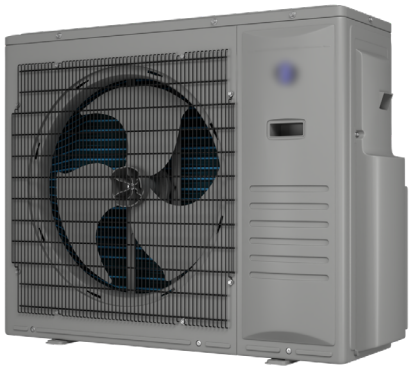
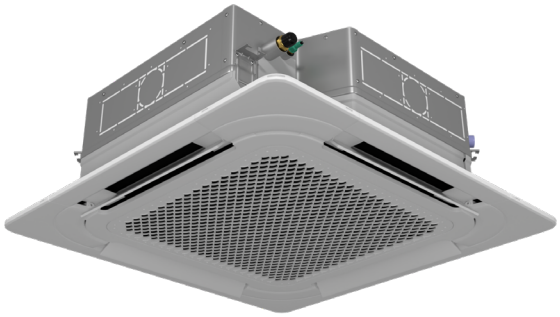
Service Manual

Ductless
Floating Air®
Multi-Zone
R-454B Refrigerant





Outdoor Unit	**230-Volt:**	FPHMR18A3D, FPHMR27A3D, FPHMR36A3D, FPHMR42A3D
Wall Mounted Unit	**230-Volt:**	FAHMW07A3D, FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D
Cassette	**230-Volt:**	FPHFC09A3D, FPHFC12A3D, FPHFC24A3D, FPHFC24A3D
Ducted	**230-Volt:**	FPHFD09A3D, FPHFD12A3D, FPHFD24A3D, FPHFD24A3D

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INTRODUCTION

Important Safety Information

The information in this manual is intended for use by a qualified technician who is familiar with the safety procedures required for installation and repair, and who is equipped with the proper tools and test instruments required to service this product.

Installation or repairs made by unqualified persons can result in subjecting the unqualified person making such repairs as well as the persons being served by the equipment to hazards resulting in injury or electrical shock which can be serious or even fatal.

Maintenance is the responsibility of the owner. Failure to properly maintain or repair equipment may result in personal injury and/or various types of property damage (fire, flood, etc.).

Safety warnings have been placed throughout this manual to alert you to potential hazards that may be encountered. If you install or perform service on equipment, it is your responsibility to read and obey these warnings to guard against any bodily injury or property damage which may result to you or others. Due to continuing research in new energy-saving technology, all information in this manual is subject to change without notice.

This service manual is designed to be used in conjunction with the installation and operation manuals provided with each air conditioning system. This service manual was written to assist the professional service technician to quickly and accurately diagnose and repair malfunctions.

Installation procedures are not given in this manual. They are given in the Installation/Operation manua.l

SAFETY IS IMPORTANT

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is a safety Alert symbol. This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what will happen if the instructions are not followed.

All safety messages will follow the safety alert symbol with the word “WARNING” or “CAUTION”. These words mean:

⚠ WARNING Indicates a hazard which, if not avoided, can result in severe personal injury or death and damage to product or other property.

⚠ CAUTION Indicates a hazard which, if not avoided, can result in personal injury and damage to product or other property.

NOTICE Indicates property damage can occur if instructions are not followed.

This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and is exposed to an external ignition source, there is a risk of fire.

This symbol indicates that the Operation Manual should be read carefully.

This symbol indicates that service personnel should be handling this equipment with reference to the installation manual.

This symbol indicates that information is available such as the Installation and Operation manual, or the Service Manual.

INTRODUCTION

Personal Injury Or Death Hazards

	⚠ WARNING	⚠ AVERTISSEMENT	⚠ ADVERTENCIA
SAFETY FIRST	Do not remove, disable or bypass this unit's safety devices. Doing so may cause fire, Doing so may cause fire, injuries, or death.	Ne pas supprime, désactiver ou contourner cette l´unité des dispositifs de sécurité, faire vous risqueriez de provoquer le feu, les blessures ou la mort.	No eliminar, desactivar o pasar por alto los dispositivos de seguridad de la unidad. Si lo hace podría producirse fuego, lesiones o muerte.

⚠ WARNING
ALWAYS USE INDUSTRY STANDARD PERSONAL PROTECTIVE EQUIPMENT (PPE)

ELECTRICAL HAZARDS:

- Unplug and/or disconnect all electrical power to the unit before performing inspections, maintenance, or service.
- Make sure to follow proper lockout/tag out procedures.
- Always work in the company of a qualified assistant if possible.
- Capacitors, even when disconnected from the electrical power source, retain an electrical charge potential capable of causing electric shock or electrocution.
- Handle, discharge, and test capacitors according to safe, established, standards, and approved procedures.
- Extreme care, proper judgment, and safety procedures must be exercised if it becomes necessary to test or troubleshoot equipment with the power on to the unit.
- Do not spray water on the air conditioning unit while the power is on.
- Electrical component malfunction caused by water could result in electric shock or other electrically unsafe conditions when the power is restored and the unit is turned on, even after the exterior is dry.
- Use air conditioner on a single dedicated circuit within the specified amperage rating.
- Use on a properly grounded outlet only.
- Do not cut or modify the power supply cord or remove the ground prong of the plug.
- Never operate the unit on an extension cord.
- Follow all safety precautions and use proper and adequate protective safety aids such as: gloves, goggles, clothing, properly insulated tools, and testing equipment etc.
- Failure to follow proper safety procedures and/or these warnings can result in serious injury or death.

INTRODUCTION

PERSONAL INJURY OR DEATH HAZARDS

- REFRIGERATION SYSTEM REPAIR HAZARDS:
- Use approved standard refrigerant recovering procedures and equipment to relieve high pressure before opening system for repair. Reference EPA regulations (40 CFR Part 82, Subpart F) Section 608.
- Do not allow liquid refrigerant to contact skin. Direct contact with liquid refrigerant can result in minor to moderate injury.
- Be extremely careful when using an oxy-acetylene torch. Direct contact with the torch's flame or hot surfaces can cause serious burns.
- Make certain to protect personal and surrounding property with fire proof materials and have a fire extinguisher at hand while using a torch.
- Provide adequate ventilation to vent off toxic fumes, and work with a qualified assistant whenever possible.
- Always use a pressure regulator when using dry nitrogen to test the sealed refrigeration system for leaks, flushing etc.
- MECHANICAL HAZARDS:
- Extreme care, proper judgment and all safety procedures must be followed when testing, troubleshooting, handling, or working around unit with moving and/or rotating parts.
- Be careful when, handling and working around exposed edges and corners of the sleeve, chassis, and other unit components especially the sharp fins of the indoor and outdoor coils.
- Use proper and adequate protective aids such as: gloves, clothing, safety glasses etc.
- Failure to follow proper safety procedures and/or these warnings can result in serious injury or death.

• PROPERTY DAMAGE HAZARDS

- FIRE DAMAGE HAZARDS:
- Read the Installation/Operation Manual for the air conditioning unit prior to operating.
- Use air conditioner on a single dedicated circuit within the specified amperage rating.
- Be extremely careful when using acetylene torch and protect surrounding property.
- Failure to follow these instructions can result in fire and minor to serious property damage.
- WATER DAMAGE HAZARDS:
- Improper installation, maintenance or servicing of the air conditioner unit can result in water damage to personal items or property.
- Ensure that the units drain has sufficient pitch to the outside to allow water to drain from the unit.
- Do not drill holes in the bottom of the drain pan or the underside of the unit.
- Failure to follow these instructions can result in damage to the unit and/or minor to serious property damage.

INTRODUCTION

Personal Injury Or Death Hazards

⚠WARNING: The manufacturer's warranty does not cover any damage or defect to the air conditioner caused by the attachment or use of any components, accessories or devices (other than those authorized by the manufacturer) into, onto or in conjunction with the air conditioner. You should be aware that the use of unauthorized components, accessories or devices may adversely affect the operation of the air conditioner and may also endanger life and property. The manufacturer disclaims any responsibility for such loss or injury resulting from the use of such unauthorized components, accessories or devices.

⚠WARNING: This appliance is not intended for use by persons (Including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

⚠WARNING: The maximum altitude for this appliance is 2,000 meters(6,562 feet).

Do not use above 2,000 meters(6,562 feet).

⚠WARNING: Electrical Shock Hazard

Disconnect all power to the unit before starting maintenance. All electrical connections and wiring MUST be installed by a qualified electrician and conform to the National Code and all local codes which have jurisdiction. Failure to do so can result in property damage, severe electrical shock or death.

⚠WARNING: Read Installation Manual

Read this manual thoroughly prior to equipment installation or operation. It is the installer's responsibility to properly apply and install the equipment. Installation must be in conformance with the NFPA 70-2023 national electric code or current edition, International Mechanic code 2021 or current edition, and any other local or national codes.

⚠WARNING: Safety First

Do not remove, disable, or bypass this unit's safety devices. Doing so may cause fire, injuries, or death.

⚠WARNING: This Product uses R-454B Refrigerant

Refrigerant Safety Group A2L

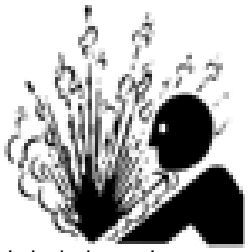
Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.

Do not pierce or burn.

Be aware that refrigerants may not contain an odor.

⚠WARNING: Refrigeration System under High pressure



Do not puncture, heat, expose to flame or incinerate. Only certified refrigeration technicians should service this equipment. R454B systems operate at higher pressures than R22 equipment. Appropriate safe service and handling practices must be used.

⚠CAUTION: Do Not Operate Equipment During Active Stages Of Construction

To ensure proper operation, Friedrich requires that all equipment is not operated during active construction phases. This includes active stages of completing framing, drywalling, spackling, sanding, painting, flooring, and moulding in the equipment's designated conditioning space. The use of this equipment during construction could result in premature failure of the components and/or system and is in violation of our standard warranty guidelines. The operation of newly installed equipment during construction will accelerate the commencement and/or termination of the warranty period.

⚠WARNING: Keep all air circulation and ventilation openings free from obstruction.

⚠WARNING: The unit should not be in contact with any equipment that will transmit vibration to the unit. Any excessive vibration or pulsation to the unit could result in damage to the refrigerant tubing.

SPECIFICATION

18-27k BTU (Outdoor Units) (Non-Ducted Configuration)

Model		Unit	FPHMR18A3D	FPHMR27A3D
Power Supply		V/ph/Hz	208-230/1/60	208/230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Performance				
Cooling	Rated Capacity at 95	Btu/h	18000	27000
	Cooling Capacity Range(MIN-MAX)	Btu/h	9000-22000	9000-31000
	Capacity at 115	Btu/h	18000	27000
	Power Input	W	1350	2100
	Current	A	6.3	9.3
	EER2 at 95	Btu/h/W	13.3	12.9
	SEER2	Btu/h/W	22.0	23.0
	Working Temperature Range		5~125	5~125
Heating	Rated Capacity at 47	Btu/h	18000	27000
	Heating Capacity Range(MIN-MAX)	Btu/h	14500-30000	20100-44000
	Power Input	W	1380	2200
	Current	A	6.4	10
	COP2 at 47	W/W	3.8	3.6
	COP @ 5F	W/W	2.0	1.8
	HSPF2(IV)	Btu/h/W	10.00	10.0
	HSPF2(V)	Btu/h/W	8.0	7.7
	Rated Capacity Heating at 17°F -8.3	Btu/h	11500	17600
	Maximum Heating Capacity @17F -8.3	Btu/h	18000	27000
	Maximum Heating Capacity @5F -15	Btu/h	18000	27000
	Maximum Heating Capacity @-5F -20.5	Btu/h	13500	20000
	Maximum Heating Capacity @-13F -25	Btu/h	13356	19177
	Working Temperature Range		-13~75	-13~75
Outdoor Airflow	Air Circulation(high) for Outdoor	ft3 CFM	1850	3356.9
	Outdoor Sound pressure	dB (A)	55	62
Outdoor Fan Motor	Model		ZWB1710L00A	ZWB4710L18A
	Qty		1	1
	Output	W	60	220
	Speed (Hi)	r/min	880	850
Electrical	Rated Current	Cooling (A)	5.8	9.3
		Heating (A)	6.1	10
	MOP(Rating of Overcurrent Protective Device	A	30.0	40.0
	MCA(Minimum Circuit Ampacity)	A	21.0	25.0
	communication wire size and type		4×14AWG	4×14AWG

Figure 201

SPECIFICATIONS

18-27k BTU (Outdoor Units) (Non-Ducted Configuration)

Model		Unit	FPHMR18A3D	FPHMR27A3D
Refrigeration	Moisture Removal	pints/hr	2.4	3.0
	Refrigerant		R454B	R454B
	Refrigerant charge volume	oz	51.1	76.2
	Compressor type		ROTARY	ROTARY
	Compressor MFG		Panasonic	Panasonic
	Compressor model #		KRD220XAA21	KKD330XAA21
	Expansion Device		EEV	EEV
	Condenser material		copper pipe+Hydrophilic aluminium	copper pipe+Hydrophilic aluminium
	Liquid Pipe	inch	1/4	1/4
	Gas Pipe	inch	3/8	3/8
	Max. Pipe Length (Total)	ft	164	230
	Max. Elevation (indoor units higher than outdoor unit)	ft	49	49
	Pre-charge Pipe Length	ft	50	75
	additional refigerant charge per foot after 25 ft	ounces/foot	0.2	0.2
DIMENSIONS & WEIGHT				
Outdoor Unit	Dimension (WxHxD)	inches 1/8ths	33-7/8×26-3/8×12-1/4	38-3/8 ×32-7/8 ×14-1/8
		mm	860×670×310	975×835×360
	Packing(LxWxH)	inches 1/8ths	39×17-3/4×-28-3/4	43-3/4×18-1/8×37-3/4
		mm	990×450×730	1111×460×960
	Net Weight	lbs	46	72.9
		kg	101.4	160.6
	Shipping Weight	lbs	51	83.1
		kg	112.4	183.2
Loading	One Set Loading Capacity (20GP/40GP/40'HQ)			
	Outdoor Unit Loading Capacity (20GP/40GP/40'HQ)		90/186/186	52/106/106
	Indoor Unit Loading Capacity (20GP/40GP/40'HQ)			
	Stack height (Stack Limit)inch		28-3/4*4	37-3/4*4

Figure 201

SPECIFICATIONS

36-42k BTU (Outdoor Units) (Non-Ducted Configuration)

Model		Unit	FPHMR36A3D	FPHMR42A3D
Power Supply		V/ph/Hz	208/230/1/60	208/230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Performance				
Cooling	Rated Capacity at 95	Btu/h	36000	42000
	Cooling Capacity Range(MIN-MAX)	Btu/h	36000	42000
	Capacity at 115	Btu/h	9000-46800	9000-54600
	Power Input	W	2802	3500
	Current	A	12.8	15.5
	EER2 at 95	Btu/h/W	12.85	12
	SEER2	Btu/h/W	22	22
	Working Temperature Range		5~125	5~125
Heating	Rated Capacity at 47	Btu/h	36000	48000
	Heating Capacity Range(MIN-MAX)	Btu/h	9000-54000	9000-58000
	Power Input	W	2700	3910
	Current	A	12.5	18.0
	COP2 at 47	W/W	3.91	3.60
	COP @ 5F	W/W	1.9	1.9
	HSPF2(IV)	Btu/h/W	10	9.5
	HSPF2(V)	Btu/h/W	7.8	7.4
	Rated Capacity Heating at 17°F -8.3	Btu/h	22600	28200
	Maximum Heating Capacity @17F -8.3	Btu/h	36000	36000
	Maximum Heating Capacity @5F -15	Btu/h	36000	36000
	Maximum Heating Capacity @-5F -20.5	Btu/h	27000	28000
	Maximum Heating Capacity @-13F -25	Btu/h	26175	27216
	Working Temperature Range		-13~75	-13~75
Outdoor Airflow	Air Circulation(high) for Outdoor	ft3 CFM	3356.9	3356.9
	Outdoor Sound pressure	dB (A)	64	64
Outdoor Fan Motor	Model		ZWB4710L18A	ZWB4710L18A
	Qty		1	1
	Output	W	220	220
	Speed (Hi)	r/min	830	830
Electrical	Rated Current	Cooling (A)	12.8	15.5
		Heating (A)	12.5	18
	MOP(Rating of Overcurrent Protective Device	A	50	60
	MCA(Minimum Circuit Ampacity)	A	32	36
	communication wire size and type		4×14AWG	4×14AWG

Figure 202

SPECIFICATIONS

36-42k BTU (Outdoor Units) (Non-Ducted Configuration)

Model		Unit	FPHMR36A3D	FPHMR42A3D
Refrigeration	Moisture Removal	pints/hr	4.3	4.4
	Refrigerant		R454B	R454B
	Refrigerant charge volume	oz	105.8	105.8
	Compressor type		ROTARY	ROTARY
	Compressor MFG		CRSS	CRSS
	Compressor model #		C-7RZ420H1CAF	C-7RZ420H1CAF
	Expansion Device		EEV	EEV
	Condenser material		copper pipe+Hydrophilic aluminium	copper pipe+Hydrophilic aluminium
	Liquid Pipe	inch	1/4	1/4
	Gas Pipe	inch	3/8	3/8
	Max. Pipe Length (Total)	ft	230	262
	Max. Elevation (indoor units higher than outdoor unit)	ft	49	49
	Pre-charge Pipe Length	ft	100	125
	additional refrigerant charge per foot after 25 ft	ounces/foot	0.2	0.2
DIMENSIONS & WEIGHT				
Outdoor Unit	Dimension (WxHxD)	inches 1/8ths	38-3/8 ×32-7/8 ×14-1/8	38-3/8 ×32-7/8 ×14-1/8
		mm	975×835×360	975×835×360
	Packing(LxWxH)	inches 1/8ths	43-3/4×18-1/8×37-3/4	43-3/4×18-1/8×37-3/4
		mm	1111×460×960	1111×460×960
	Net Weight	lbs	77	78
		kg	169.8	172
	Shipping Weight	lbs	87	88
		kg	191.8	194
Loading	One Set Loading Capacity (20GP/40GP/40'HQ)			
	Outdoor Unit Loading Capacity (20GP/40GP/40'HQ)		52/106/106	52/106/106
	Indoor Unit Loading Capacity (20GP/40GP/40'HQ)			
	Stack height (Stack Limit)inch		37-3/4*4	37-3/4*4

Figure 202

SPECIFICATIONS

7-12K Wall Mounted Units

	FAC Indoor Model		FAHMW073D	FAHFW09A3D	FAHFW12A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P		
	Energy Star Standard	Y/N	Y	Y	Y
	Energy Star -Cold Climate	Y/N	Y	Y	Y
Performance					
Indoor Air-Flow	Air Circulation(Max)	ft3 CFM	382	382	394
	Air Circulation(high)	ft3 CFM	341	341	365
	Air Circulation(medium)	ft3 CFM	294	294	312
	Air Circulation(low)	ft3 CFM	247	247	253
	Indoor Sound Pressure(Max//H/M/L/Quiet)	dB (A)	42/39/37/35/32	42/39/37/35/32	42/39/37/35/32
Indoor Fan Motor	Model		KD09060033	KD09060033	KD09060033
	Qty		1	1	1
	Output	W	25	25	25
	Capacitor	μF	/	/	/
	Speed(Hi/Med/Lo)	r/min	1101/938/800	1101/938/800	1154/992/800
DIMENSIONS & WEIGHT					
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	33 7/8 ×11 2/8 ×8 4/8	33 7/8 ×11 2/8 ×8 4/8	33 7/8 ×11 2/8 ×8 4/8
		mm	860×285×216	860×285×216	860×285×216
	Packing(LxHxW)	inches 1/8ths	36 5/8 ×15 ×11 2/8	36 5/8 ×15 ×11 2/8	36 5/8 ×15 ×11 2/8
		mm	930×380×285	930×380×285	930×380×285
	Net Weight	lbs	22.1	22.1	22.1
		kg	10	10	10
	Shipping Weight	lbs	26.5	26.5	26.5
		kg	12	12	12
Loading	One Set Loading Capacity (20GP/40GP/40'HQ)		90/185/210	90/185/210	90/185/210
	Outdoor Unit Loading Capacity (20GP/40GP/40'HQ)		108/222/296	108/222/296	108/222/296
	Indoor Unit Loading Capacity (20GP/40GP/40'HQ)		310/623/700	310/623/700	310/623/700
	Stack height (Stack Limit) Indoor Unit/Outdoor Unit		8/4	8/4	8/4
A2L Sensor		Y/N	Optional	Optional	Optional

Figure 203

SPECIFICATIONS

18-24k BTU Wall Mounted Units

	FAC Indoor Model		FAHFW18A3D	FAHFW24A3D
	Power Supply	V/ph/Hz		
	Energy Star Standard	Y/N	Y	Y
	Energy Star -Cold Climate	Y/N	Y	Y
Performance				
Indoor AirFlow	Air Circulation(Max)	ft3 CFM	647	706
	Air Circulation(high)	ft3 CFM	588	647
	Air Circulation(medium)	ft3 CFM	482	559
	Air Circulation(low)	ft3 CFM	382	441
	Indoor Sound Pressure(Max//H/M/L/ Quiet)	dB (A)	48/45/41/39/36	50/48/43/41/39
Indoor Fan Motor	Model		ZWK465A00410	K1B310497
	Qty		1	1
	Output	W	35	35
	Capacitor	μF	/	/
	Speed(Hi/Med/Lo)	r/min	1100/960/800	1200/1040/880
DIMENSIONS & WEIGHT				
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	45 2/8 ×13 2/8 ×10 1/8	45 2/8 ×13 2/8 ×10 1/8
		mm	1148×336×256	1148×336×256
	Packing(LxHxW)	inches 1/8ths	47 7/8 ×16 1/8 ×13	47 7/8 ×16 1/8 ×13
		mm	1215×410×330	1215×410×330
	Net Weight	lbs	34.2	34.2
		kg	15.5	15.5
	Shipping Weight	lbs	39.7	39.7
		kg	18	18
Loading	One Set Loading Capacity (20GP/40GP/40'HQ)		60/127/145	49/104/120
	Outdoor Unit Loading Capacity (20GP/40GP/40'HQ)		93/189/189	54/110/165
	Indoor Unit Loading Capacity (20GP/40GP/40'HQ)		173/368/406	173/368/406
	Stack height (Stack Limit)（Indoor Unit/Outdoor Unit）		8/4	8/3
A2L Sensor		Y/N	N	N

Figure 204

SPECIFICATIONS

9-12k BTU Cassette

FAC Indoor Model			FPHFC09A3D	FPHFC12A3D
Power Supply		V/ph/Hz	208-230/1/60	208-230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Indoor AirFlow	Air Circulation(Max)	ft3 CFM	341	341
	Air Circulation(high)	ft3 CFM	341	341
	Air Circulation(medium)	ft3 CFM	294	294
	Air Circulation(low)	ft3 CFM	235	235
	Indoor Sound Pressure(Max//H/M/L/ Quiet)	dB (A)	52	52
Indoor Fan Motor	Model		ZW465B500021	ZW465B500021
	Qty		1	1
	Output	W	1/13HP	1/13HP
	Capacitor	μF	NA	NA
	Speed(Hi/Med/Lo)	r/min	700/600/500	700/600/500
	communication wire size and type		4 x 14 AWG stranded THHN	4 x 14 AWG stranded THHN
	Refrigerant		R454B	R454B
	Evaporator material		Hydrophilic aluminium fin & Copper tube	Hydrophilic aluminium fin & Copper tube
	Liquid Pipe	inch	1/4	1/4
	Gas Pipe	inch	3/8	3/8
DIMENSIONS & WEIGHT				
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	22-1/2 ×8-1/2×22-1/2	22-1/2 ×8-1/2×22-1/2
		mm	570×215×570	570×215×570
	Packing(LxWxH)	inches 1/8ths	28-3/4 ×26-1/4×11-1/2	28-3/4 ×26-1/4×11-1/2
		mm	730×668×292	730×668×292
	Net Weight	lbs	34.2	34.2
		kg	15.5	15.5
	Shipping Weight	lbs	40.8	40.8
		kg	18.5	18.5
Panel (Grille)	Dimension (WxHxD)	inches 1/8ths	24-3/8×1-5/8×24-3/8	24-3/8×1-5/8×24-3/8
		mm	620×40×620	620×40×620
	Packing(LxWxH)	inches 1/8ths	27-1/8×26-3/4 ×4-1/2	27-1/8×26-3/4 ×4-1/2
		mm	690×680×115	690×680×115
	Net Weight	lbs	5.7	5.7
		kg	2.6	2.6
	Shipping Weight	lbs	9.9	9.9
		kg	4.5	4.5
A2L Sensor		Y/N	Y	Y
Max Condensate pump lift		ft	2.4	2.4

Figure 205

SPECIFICATIONS

18-24k BTU Cassette

FAC Indoor Model			FPHFC18A3D	FPHFC24A3D
Power Supply		V/ph/Hz	208-230/1/60	208-230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Indoor AirFlow	Air Circulation(Max)	ft3 CFM	643	706
	Air Circulation(high)	ft3 CFM	643	706
	Air Circulation(medium)	ft3 CFM	554	588
	Air Circulation(low)	ft3 CFM	465	494
	Indoor Sound Pressure(Max//H/ M/L/Quiet)	dB (A)	50	53
Indoor Fan Motor	Model		ZW511B500061	ZW511B500061
	Qty		1	1
	Output	W	1/10	1/10
	Capacitor	μF	NA	NA
	Speed(Hi/Med/Lo)	r/min	420/3810/320	470/400/340
	communication wire size and type		4 x 14 AWG stranded THHN	4 x 14 AWG stranded THHN
	Refrigerant		R454B	R454B
	Evaporator material		Hydrophilic aluminium fin & Copper tube	Hydrophilic aluminium fin & Copper tube
	Liquid Pipe	inch	1/4	3/8
	Gas Pipe	inch	1/2	5/8
DIMENSIONS & WEIGHT				
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	33-1/8 ×9-1/4 ×33-1/8	33-1/8 ×9-1/4 ×33-1/8
		mm	840×236×840	840×236×840
	Packing(LxWxH)	inches 1/8ths	37-3/8 ×12-5/8 ×37-3/8	37-3/8 ×12-5/8 ×37-3/8
		mm	950×320×950	950×320×950
	Net Weight	lbs	52.9	52.9
		kg	24.0	24.0
	Shipping Weight	lbs	63.9	63.9
		kg	29.0	29.0
Panel (Grille)	Dimension (WxHxD)	inches 1/8ths	37-3/8×2×37-3/8	37-3/8×2×37-3/8
		mm	950×50×950	950×50×950
	Packing(LxWxH)	inches 1/8ths	40-1/8×39-3/8×4-1/8	40-1/8×39-3/8×4-1/8
		mm	1020×1000×105	1020×1000×105
	Net Weight	lbs	14.3	14.3
		kg	6.5	6.5
	Shipping Weight	lbs	19.8	19.8
		kg	9	9
A2L Sensor		Y/N	Y	Y
Max Condensate pump lift		ft	2.4	2.4

Figure 206

SPECIFICATIONS

9-12k BTU Ducted

FAC Indoor Model			FPHFC09A3D	FPHFC12A3D
Type			Ducted	Ducted
Power Supply		V/ph/Hz	208~230/1/60	208~230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Indoor AirFlow	Air Circulation(Max)	ft3 CFM	324	324
	Air Circulation(high)	ft3 CFM	324	324
	Air Circulation(medium)	ft3 CFM	294	294
	Air Circulation(low)	ft3 CFM	235	235
	Indoor Sound Pressure(Max//H/M/L/Quiet)	dB (A)	57	57
	ESP in-H2O)	Rated with filter	0.2	0.2
		Range with filter	0-0.12	0-0.12
Indoor Fan Motor	Model		TWZ65-S01	TWZ65-S01
	Qty		1	1
	Output	W	1/20HP	1/20HP
	Capacitor	μF	NA	NA
	Speed(Hi/Med/Lo)	r/min	1110/1000/800	1110/1000/800
Communication wire size and type	No. x AWG		4 x 14 AWG Stranded THHN	4 x 14 AWG Stranded THHN
	Evaporator material		Hydrophilic aluminium fin & Copper tube	Hydrophilic aluminium fin & Copper tube
	Liquid Pipe	inch	1/4	1/4
	Gas Pipe	inch	3/8	3/8
DIMENSIONS & WEIGHT				
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	35-7/8 ×7-1/2×17-5/8	35-7/8 ×7-1/2×17-5/8
		mm	910×190×447	910×190×447
	Packing(LxWxH)	inches 1/8ths	42-1/2×22-1/4 ×11-1/4	42-1/2×22-1/4 ×11-1/4
		mm	1080×565×285	1080×565×285
	Net Weight	lbs	44.1	44.1
		kg	20.0	20.0
	Shipping Weight	lbs	51.8	51.8
		kg	23.5	23.5
A2L Sensor		Y/N	Y	Y
Max Condensate pump lift		ft	2.3	2.3

Figure 207

SPECIFICATIONS

18-24k BTU Ducted

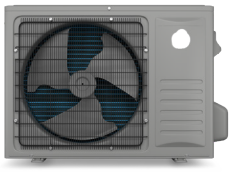
FAC Indoor Model			FPHFC18A3D	FPHFC24A3D
Type			Ducted	Ducted
Power Supply		V/ph/Hz	208~230/1/60	208~230/1/60
Energy Star Standard		Y/N	Y	Y
Energy Star -Cold Climate		Y/N	Y	Y
Indoor AirFlow	Air Circulation(Max)	ft3 CFM	530	735
	Air Circulation(high)	ft3 CFM	530	735
	Air Circulation(medium)	ft3 CFM	471	647
	Air Circulation(low)	ft3 CFM	412	559
	Indoor Sound Pressure(Max//H/M/L/Quiet)	dB (A)	60	68
	ESP in-H20)	Rated with filter	0.2	0.6
		Range with filter	0-0.56	0-0.66
Indoor Fan Motor	Model		ZWF-100H	ZWF-210H
	Qty		1	1
	Output	W	1/8HP	2/7HP
	Capacitor	μF	NA	NA
	Speed(Hi/Med/Lo)	r/min	920/820/720	1400/1250/1100
communication wire size and type	No.x AWG		4 x 14 AWG Stranded THHN	4 x 14 AWG Stranded THHN
	Evaporator material		Hydrophilic aluminium fin & Copper tube	Hydrophilic aluminium fin & Copper tube
	Liquid Pipe	inch	1/4	3/8
	Gas Pipe	inch	1/2	5/8
DIMENSIONS & WEIGHT				
Indoor Unit	Dimension (WxHxD)	inches 1/8ths	31-1/2×9-5/8×27-1/2	43-1/4×9-5/8×27-1/2
		mm	800×245×700	1100×245×700
	Packing(LxWxH)	inches 1/8ths	38-5/8×12-3/8×31-7/8	50-3/8×12-3/8×31-7/8
		mm	980×315×810	1280×315×810
	Net Weight	lbs	58.4	73.9
		kg	26.5	33.5
	Shipping Weight	lbs	58.4	73.9
		kg	31	38.5
A2L Sensor		Y/N	Y	Y
Max Condensate pump lift		ft	2.3	2.3

Figure 208

SPECIFICATIONS

Allowable Configurations 18k-36k

Choose the outdoor unit that is applicable to the number of indoor spaces you want to heat and cool. Mix-and-match flexibility lets you pick the type of indoor units best suited to the application. Choose from wall-mounted, ceiling cassette, or concealed ducted heat pumps.

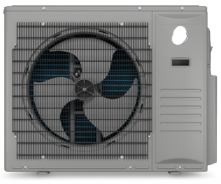


2 ZONES ONLY

18,000 BTU

24,000 Btu max. connected capacity

FPHMR18A3D		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	19
9	9	18
9	12	21
12	12	24 (max.)



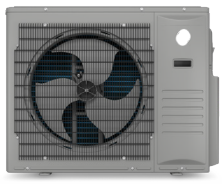
2 OR 3 ZONES

27,000 BTU

36,000 Btu max. connected capacity

FPHMR27A3D			
ZONE 1	ZONE 2	ZONE 3	TOTAL
7	7	-	14
7	9	-	16
7	12	-	19
7	18	-	25
9	9	-	18
9	12	-	21
9	18	-	27
9	24	-	33
12	12	-	24
12	18	-	30
18	18	-	36 (max.)
7	7	7	21
7	7	9	23
7	7	12	26
7	7	18	32
7	9	9	25
7	9	12	28
7	9	18	34
7	12	12	31
7	12	18	37
9	9	9	27
9	9	12	30
9	9	18	36 (max.)
9	12	12	33
12	12	12	36 (max.)

■ Floating Air™ Multi-zone allowable combinations that exceed our 100% ratio.



2, 3, OR 4 ZONES

36,000 BTU

48,000 Btu max. connected capacity

FPHMR36A3D				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18	18	-	-	36
7	7	7	-	21
7	7	9	-	23
7	7	12	-	26
7	7	18	-	32
7	7	24	-	38
7	9	9	-	25
7	9	12	-	28
7	9	18	-	34
7	9	24	-	40
7	12	12	-	31
7	12	18	-	37
7	12	24	-	43
7	18	24	-	49
9	9	9	-	27
9	9	12	-	30
9	9	18	-	36
9	9	24	-	42
9	12	12	-	33
9	12	18	-	39
9	12	24	-	45
9	18	24	-	51
12	12	12	-	36
12	12	18	-	42
12	12	24	-	48 (max.)
18	18	7	-	43
18	18	9	-	45
18	18	12	-	48 (max.)
7	7	7	7	28
7	7	7	9	30
7	7	7	12	33
7	7	7	18	39
7	7	7	24	45
7	7	9	9	32
7	7	12	12	35
7	7	9	18	41
7	7	9	24	47
7	7	12	12	38
7	7	12	18	44
7	7	12	24	50
7	9	9	9	34
7	9	9	12	37
7	9	9	18	43
7	9	9	24	49
7	9	12	12	40
7	9	12	18	46
7	9	12	24	52
7	12	12	12	43
7	12	12	18	49
9	9	9	9	36
9	9	9	12	39
9	9	9	18	45
9	9	9	24	51
9	9	12	12	42
9	9	12	18	48
9	12	12	12	45
9	12	12	18	51
12	12	12	12	48 (max.)

INDOOR UNITS

Wall-mounted

MODEL	BTU
FPHMW07A3B	7,000
FPHFW09A3B	9,000
FPHFW12A3B	12,000
FPHFW18A3B	18,000
FPHFW24A3B	24,000

Ceiling cassette

MODEL	BTU
FPHFC09A3D	9,000
FPHFC12A3D	12,000
FPHFC18A3D	18,000
FPHFC24A3D	24,000

Concealed ducted

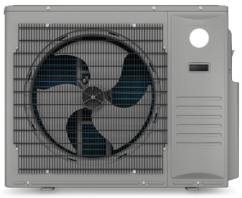
MODEL	BTU
FPHFD09A3A	9,000
FPHFD12A3A	12,000
FPHFD18A3A	18,000
FPHFD24A3A	24,000

Air handler

MODEL	BTU
FPHFA18A3D	18,000
FPHFA24A3D	24,000

SPECIFICATIONS

Allowable Configurations 42k



3, 4, OR 5 ZONES

42,000 BTU

54,000 Btu max. connected capacity

FPHMR42A3D					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	TOTAL
7	7	7	-	-	21
7	7	9	-	-	23
7	7	12	-	-	26
7	7	18	-	-	32
7	7	24	-	-	38
7	9	9	-	-	25
7	9	12	-	-	28
7	9	18	-	-	34
7	9	24	-	-	40
7	12	12	-	-	31
7	12	18	-	-	37
7	12	24	-	-	43
7	18	18	-	-	43
7	18	24	-	-	49
9	9	9	-	-	27
9	9	12	-	-	30
9	9	18	-	-	36
9	9	24	-	-	42
9	12	12	-	-	33
9	12	18	-	-	39
9	12	24	-	-	45
9	18	18	-	-	45
9	18	24	-	-	51
12	12	12	-	-	36
12	12	18	-	-	42
12	12	24	-	-	48
12	18	18	-	-	48
12	18	24	-	-	54
7	7	7	7	-	28
7	7	7	9	-	30
7	7	7	12	-	33
7	7	7	18	-	39
7	7	7	24	-	45
7	7	9	9	-	32
7	7	9	12	-	35
7	7	9	18	-	41
7	7	9	24	-	47
7	7	12	12	-	38
7	7	12	18	-	44
7	7	12	24	-	50
7	7	18	24	-	56
7	9	9	9	-	34
7	9	9	12	-	37
7	9	9	18	-	43
7	9	9	24	-	49
7	9	12	12	-	40
7	9	12	18	-	46
7	9	12	24	-	52
7	9	18	24	-	58
7	12	12	12	-	43
7	12	12	18	-	49
7	12	12	24	-	55
9	9	9	9	-	36
9	9	9	12	-	39
9	9	9	18	-	45
9	9	9	24	-	51
9	9	12	12	-	42
9	9	12	18	-	48
9	9	12	24	-	54 (max.)
9	9	18	24	-	60
9	12	12	12	-	45
9	12	12	18	-	51
9	12	12	24	-	57
12	12	12	12	-	48
12	12	12	18	-	54 (max.)

FPHMR42A3D					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	TOTAL
7	7	7	7	7	35
7	7	7	7	9	37
7	7	7	7	12	40
7	7	7	7	18	46
7	7	7	7	24	52
7	7	7	9	9	39
7	7	7	9	12	42
7	7	7	9	18	48
7	7	7	9	24	54 (max.)
7	7	7	12	12	45
7	7	7	12	18	51
7	7	9	9	9	41
7	7	9	9	12	44
7	7	9	9	18	50
7	7	9	12	12	47
7	7	12	12	12	50
7	9	9	9	9	43
7	9	9	9	12	46
7	9	9	9	18	52
7	9	9	12	12	49
7	9	12	12	12	52
9	9	9	9	9	45
9	9	9	9	12	48
9	9	9	9	18	54 (max.)
9	9	9	12	12	51
9	9	12	12	12	54 (max.)

SPECIFICATIONS

Room Size Restriction

Maximum Refrigerant Charge X[oz(g)]				
Model (Btu/h)	18k	27k	36k	42k
Maximum Refrigerant Charge	69.67 (1975)	101.34 (2873)	127 (3600)	128.33 (3638)

Figure 209

Minimum room size R-454B refrigerant is determined by total refrigerant charge in system. Use this chart to determine the minimum room size the indoor head can be installed in without an A2L Sensor. 7k, 9k, and 12k 208/230V indoor heads are capable off adding an optional accessory A2L sensor. All cassettes and Ducted units have an A2L sensor installed and are exempt from the room size restriction.
Prior to installing the unit use the formulas below to determine the total refrigerant charge for the unit. If the total charge is less than 64 oz. there is no room size restriction. If the total charge is over 64 oz. refer to the the Required Minimum Room Area chart to determine the minimum square footage of the room the indoor unit can be installed in. If rooms are connected by opening that people can walk through but with no door installed, those areas can be considered one space. If the total refrigerant charge exceeds the room area, the indoor unit shall not be installed without an A2L sensor.

⚠ WARNING

Required minimum room area Y [ft.^{2}(m^2)]

X[oz.(g)]	Ducted unit		Cassette unit		Wall-mounted unit	
	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]
<63.49(1800)	No restriction					
63.49(1800)	7.2(2.2)	60(5.5)	7.2(2.2)	60(5.5)	5.9(1.8)	73(6.8)
67.02(1900)		63(5.8)		63(5.8)		77(7.1)
70.55(2000)		66(6.1)		66(6.1)		81(7.5)
74.08(2100)		69(6.4)		69(6.4)		85(7.9)
77.60(2200)		73(6.8)		73(6.8)		90(8.3)
81.13(2300)		77(7.1)		77(7.1)		93(8.6)
84.66(2400)		80(7.4)		80(7.4)		97(9.0)
88.18(2500)		83(7.7)		83(7.7)		102(9.4)
91.71(2600)		86(8.0)		86(8.0)		106(9.8)
95.24(2700)		90(8.3)		90(8.3)		109(10.1)
98.77(2800)		93(8.6)		93(8.6)		113(10.5)
102.29(2900)		95(8.9)		95(8.9)		118(10.9)
105.82(3000)		99(9.2)		99(9.2)		122(11.3)
109.35(3100)		103(9.5)		103(9.5)		125(11.6)
112.88(3200)		106(9.8)		106(9.8)		130(12.0)
116.40(3300)		109(10.1)		109(10.1)		134(12.4)
119.93(3400)		112(10.4)		112(10.4)		138(12.8)
123.46(3500)		115(10.7)		115(10.7)		141(13.1)
126.99(3600)		120(11.1)		120(11.1)		146(13.5)
130.51(3700)		123(11.4)		123(11.4)		153(14.2)
134.04(3800)		126(11.7)		126(11.7)		162(15.0)
137.57(3900)		130(12.0)		130(12.0)		170(15.8)
141.10(4000)		133(12.3)		133(12.3)		179(16.6)
144.62(4100)		136(12.6)		136(12.6)		188(17.4)
148.15(4200)		139(12.9)		139(12.9)		197(18.3)
151.68(4300)		142(13.2)		142(13.2)		207(19.2)
155.21(4400)		146(13.5)		146(13.5)		217(20.1)
158.73(4500)		151(14.0)		151(14.0)		226(21.0)
162.26(4600)		159(14.7)		159(14.7)		236(21.9)
165.79(4700)		165(15.3)		165(15.3)		247(22.9)
169.32(4800)		173(16.0)		173(16.0)		258(23.9)
172.84(4900)		180(16.7)		180(16.7)		268(24.9)
176.37(5000)		187(17.3)		187(17.3)		279(25.9)

Figure 210

SPECIFICATIONS

Indoor Unit Clearances

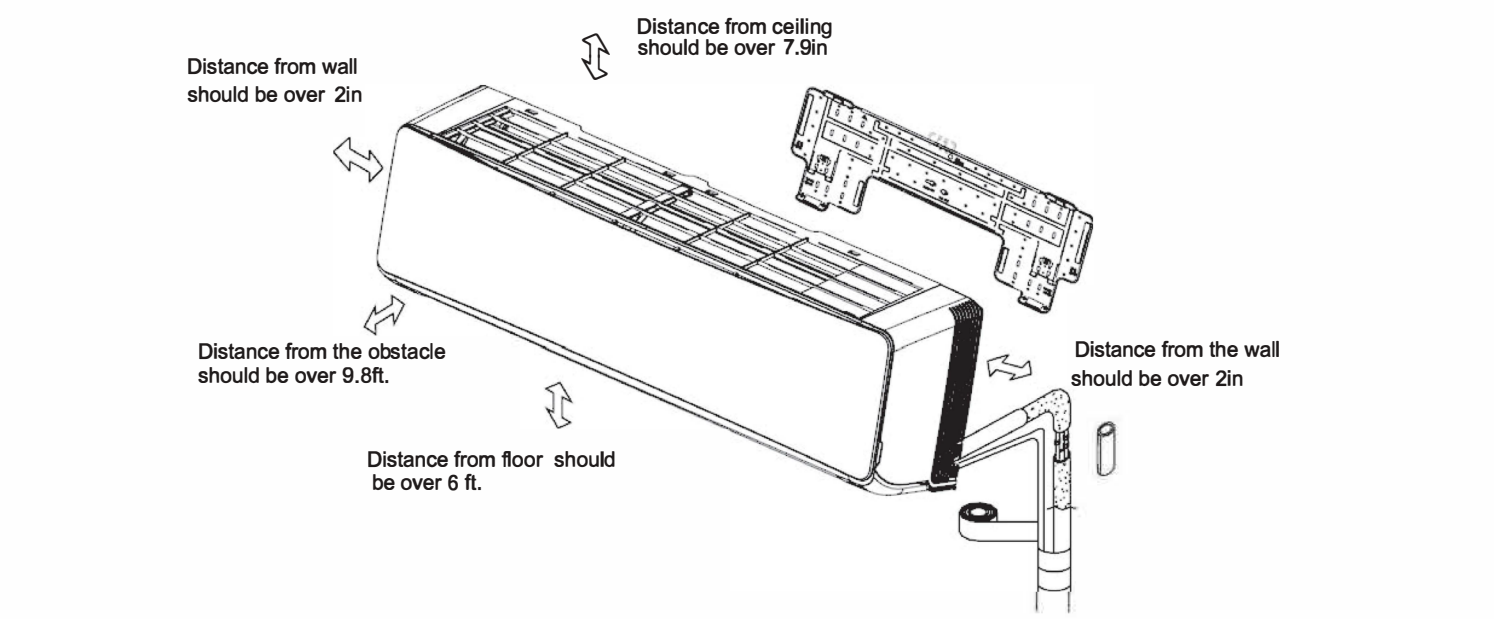


Figure 211 (Indoor Unit Clearances)

Outdoor Unit Clearances

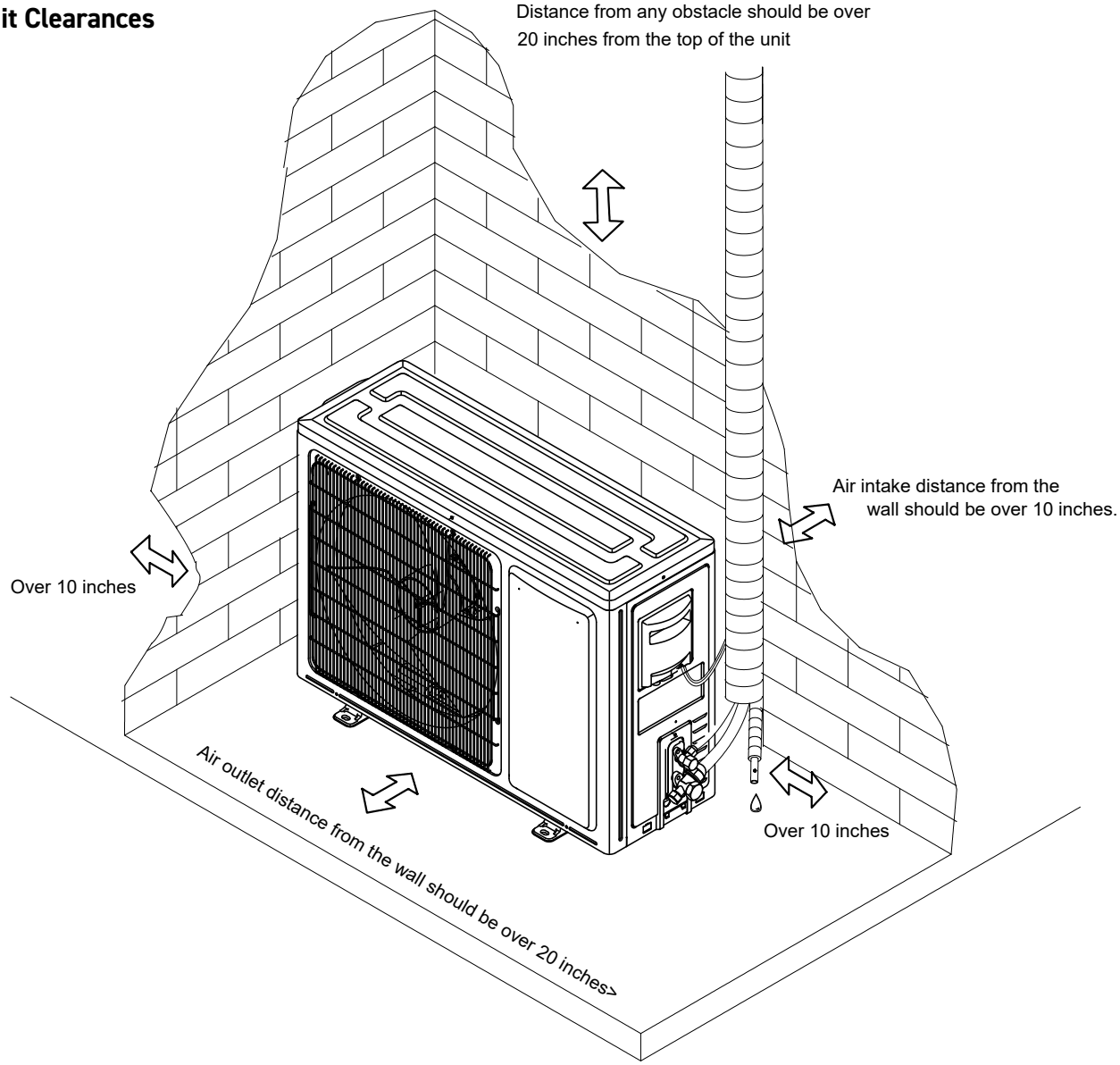


Figure 211 (Outdoor Unit Clearances)

SPECIFICATIONS

Dimensions Indoor Unit

FAHFW09A3D, FAHFW12A3D

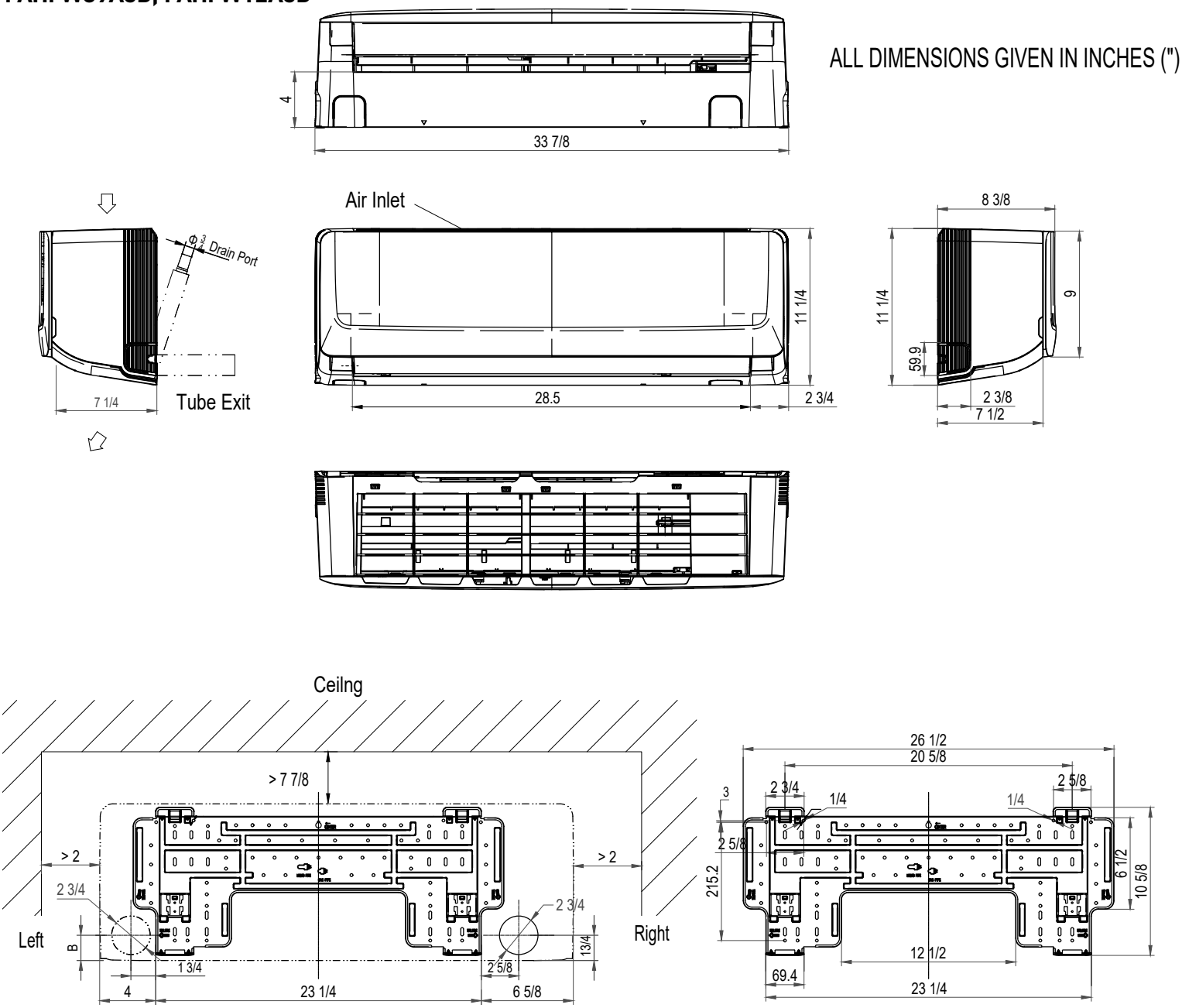
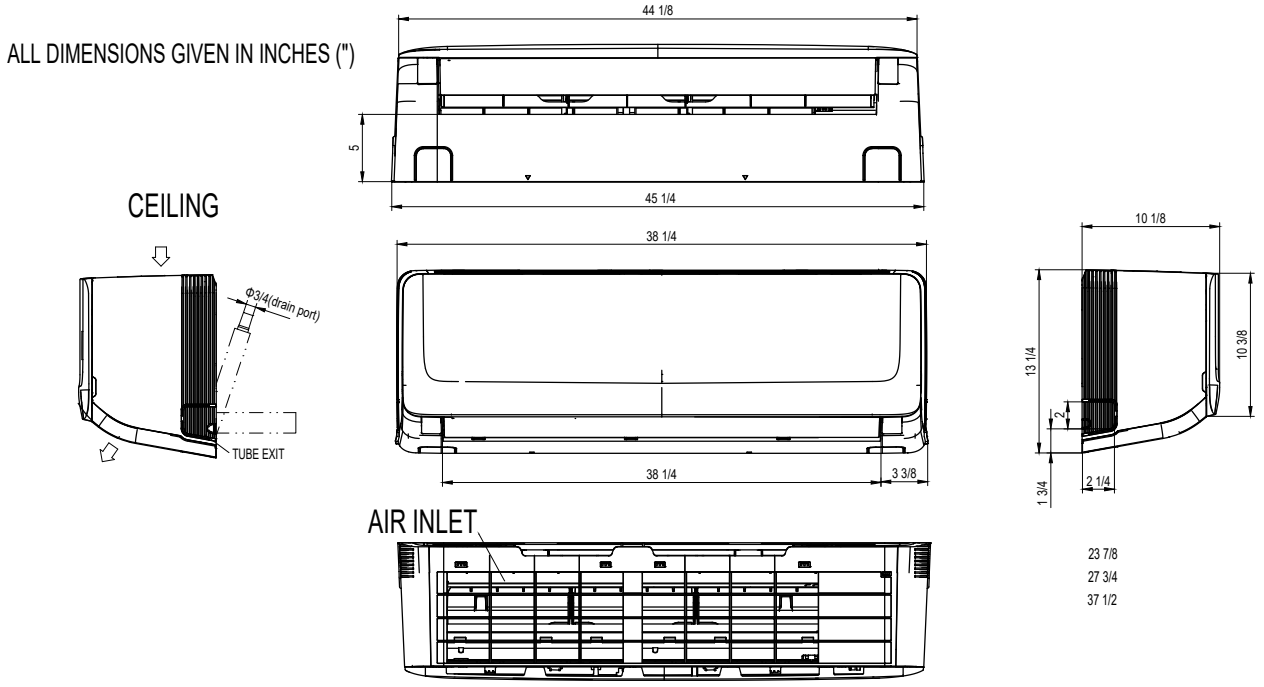


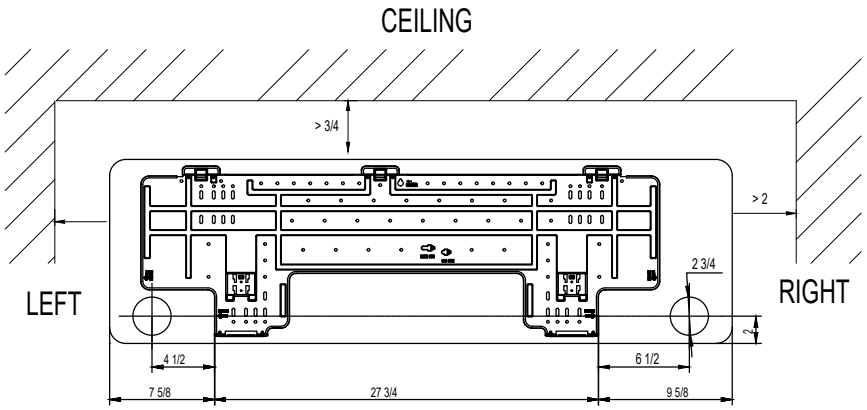
Figure 212

SPECIFICATIONS

Dimensions Indoor

Unit FAHFW18A3D, FAHFW24A3D





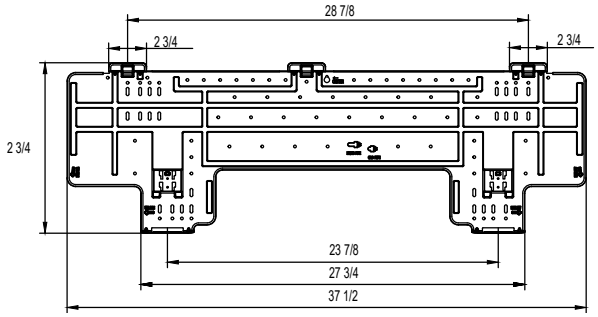


Figure 213

SPECIFICATIONS

Dimensions Outdoor Unit

FPHMR18A3D

18K

Unit: in.

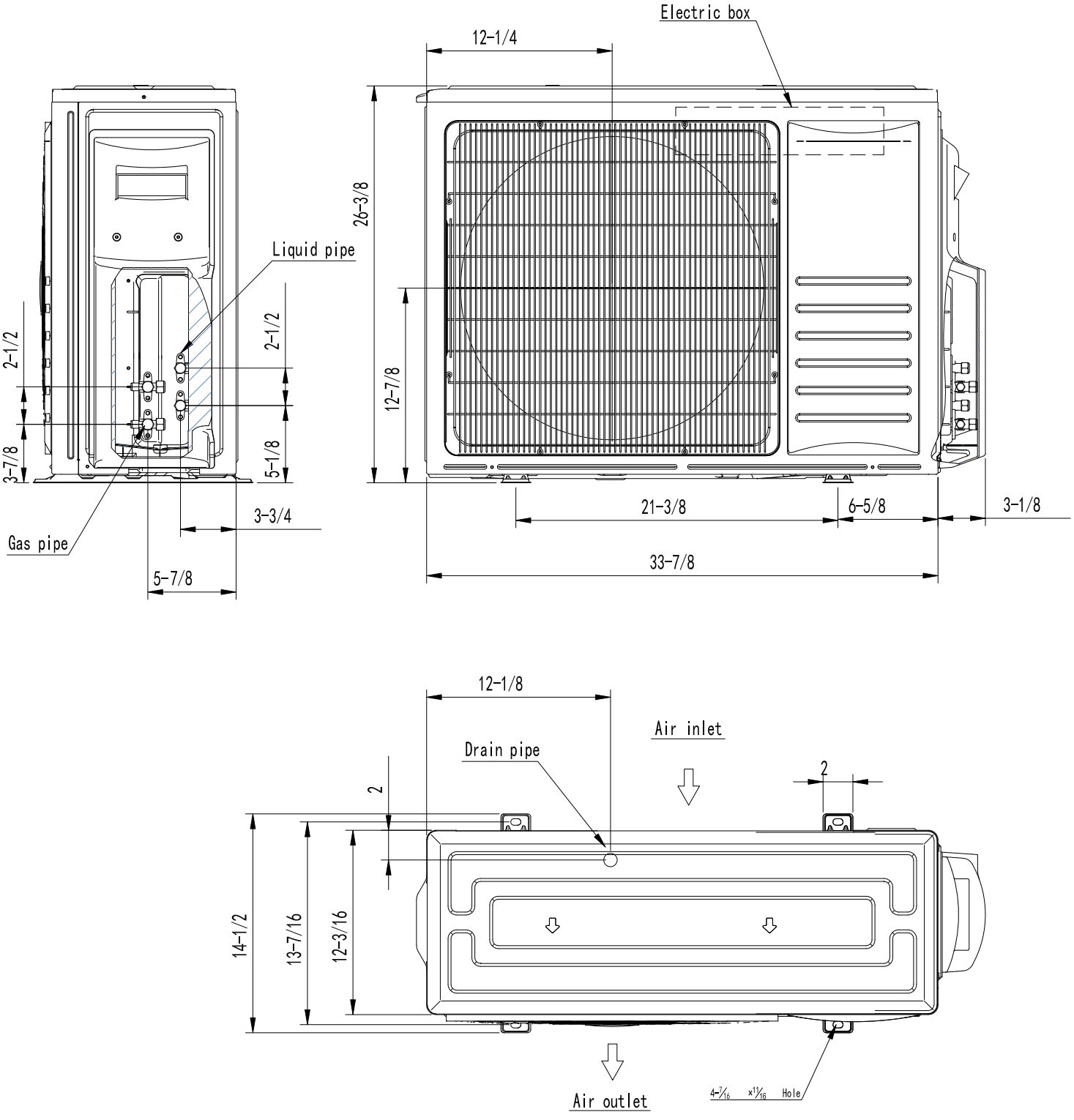


Figure 214

SPECIFICATIONS

Dimensions Outdoor Unit

FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

27K/36K/42KK

Unit: in.

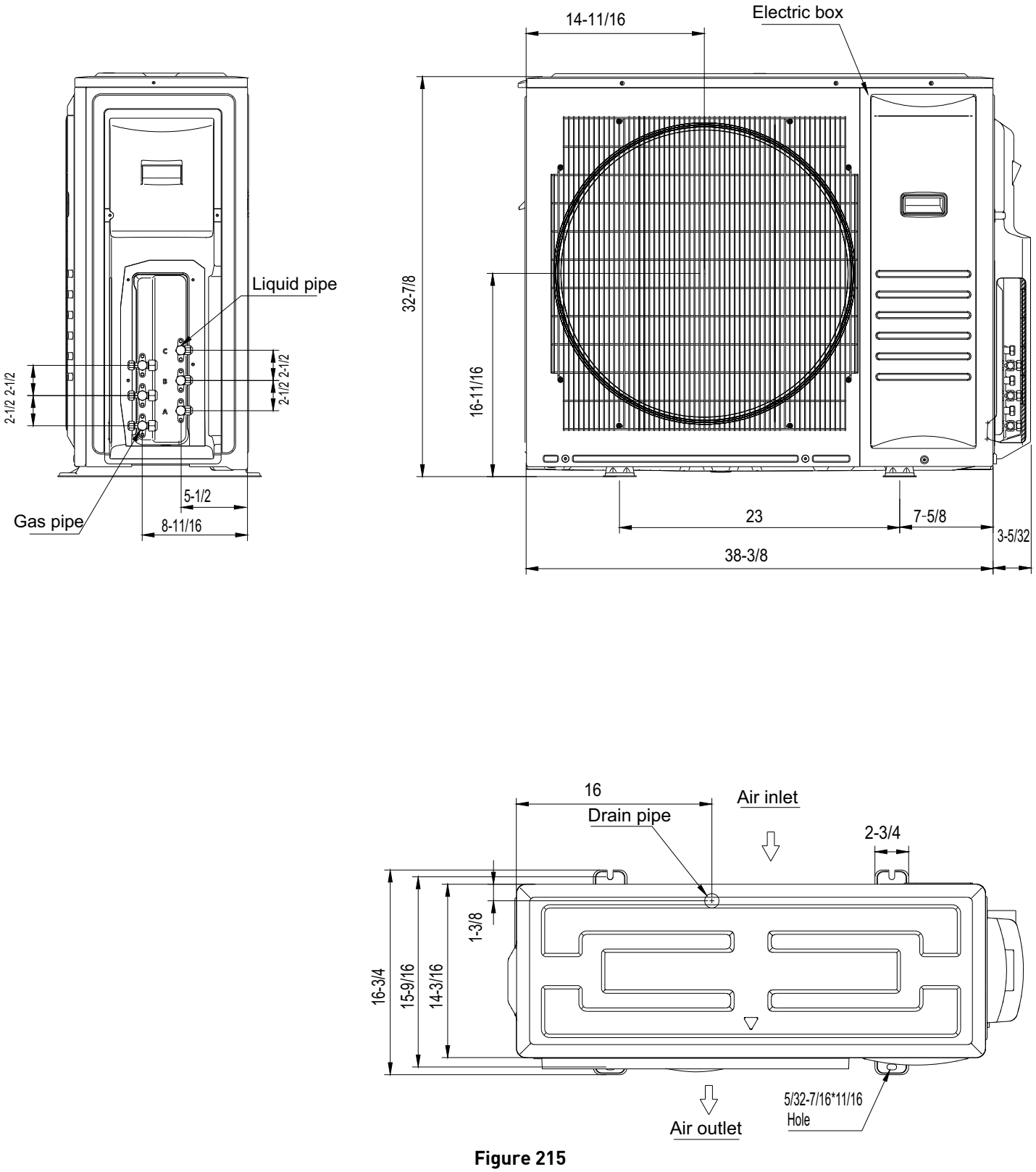


Figure 215

SPECIFICATIONS

Dimensions Cassette (9 and 12k BTU)

Unit: in.(mm)

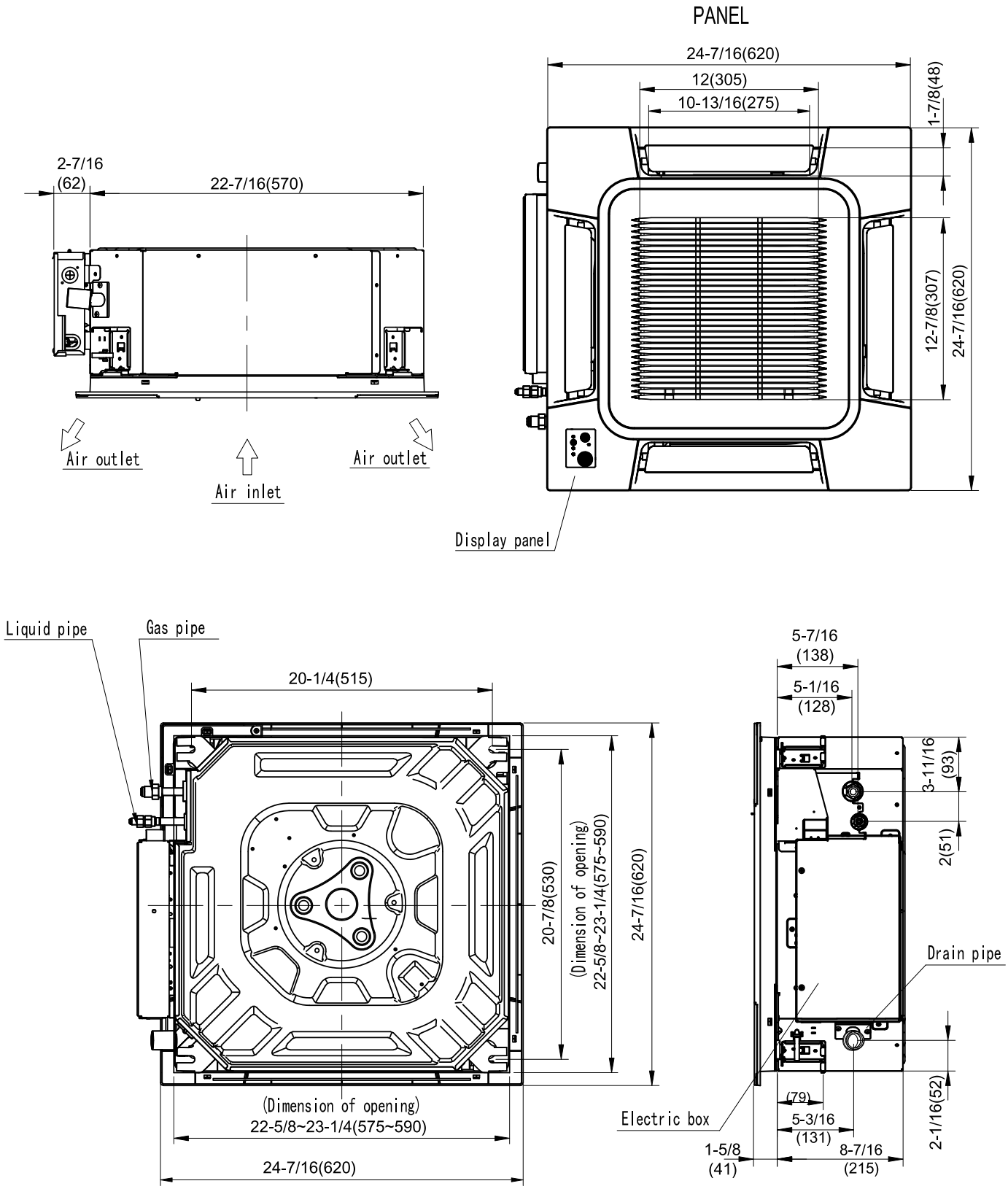
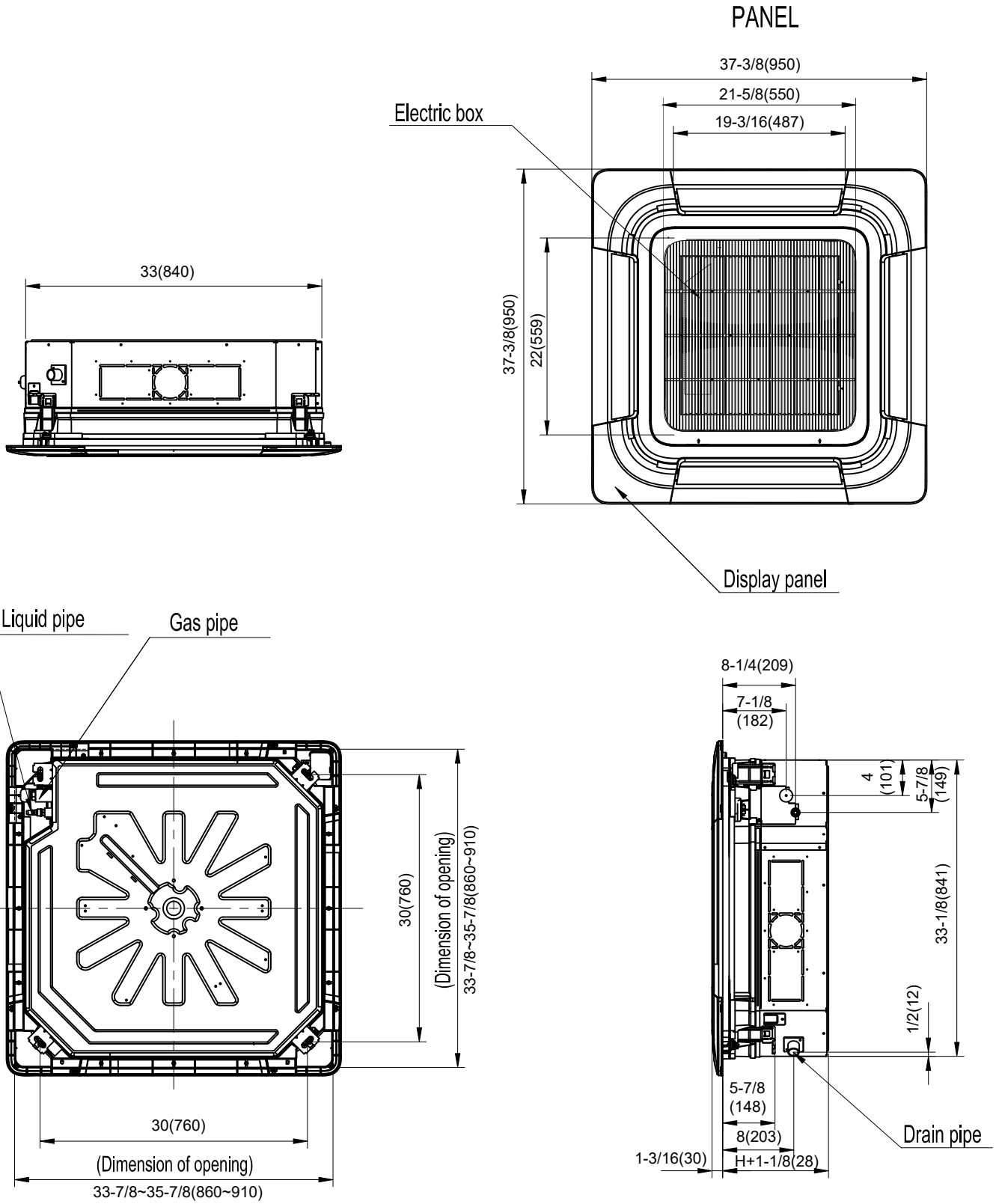


Figure 216

SPECIFICATIONS

Dimensions Cassette (18 and 24k BTU)

Unit: (mm)



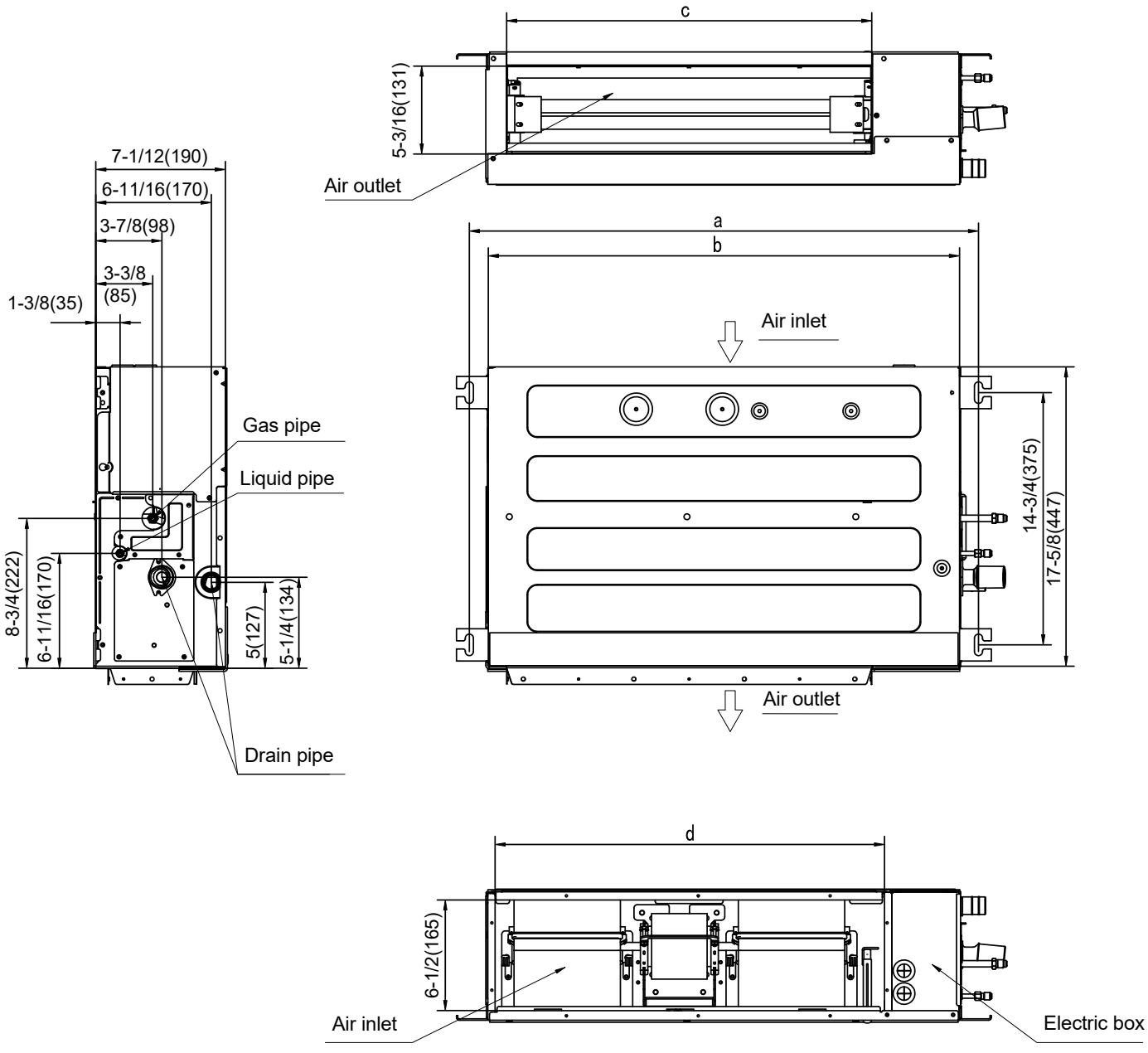
Model	H
18K/24K	236
36K	272

Figure 217

SPECIFICATIONS

Dimensions Ducted (9 and 12k BTU)

Unit : in.(mm)



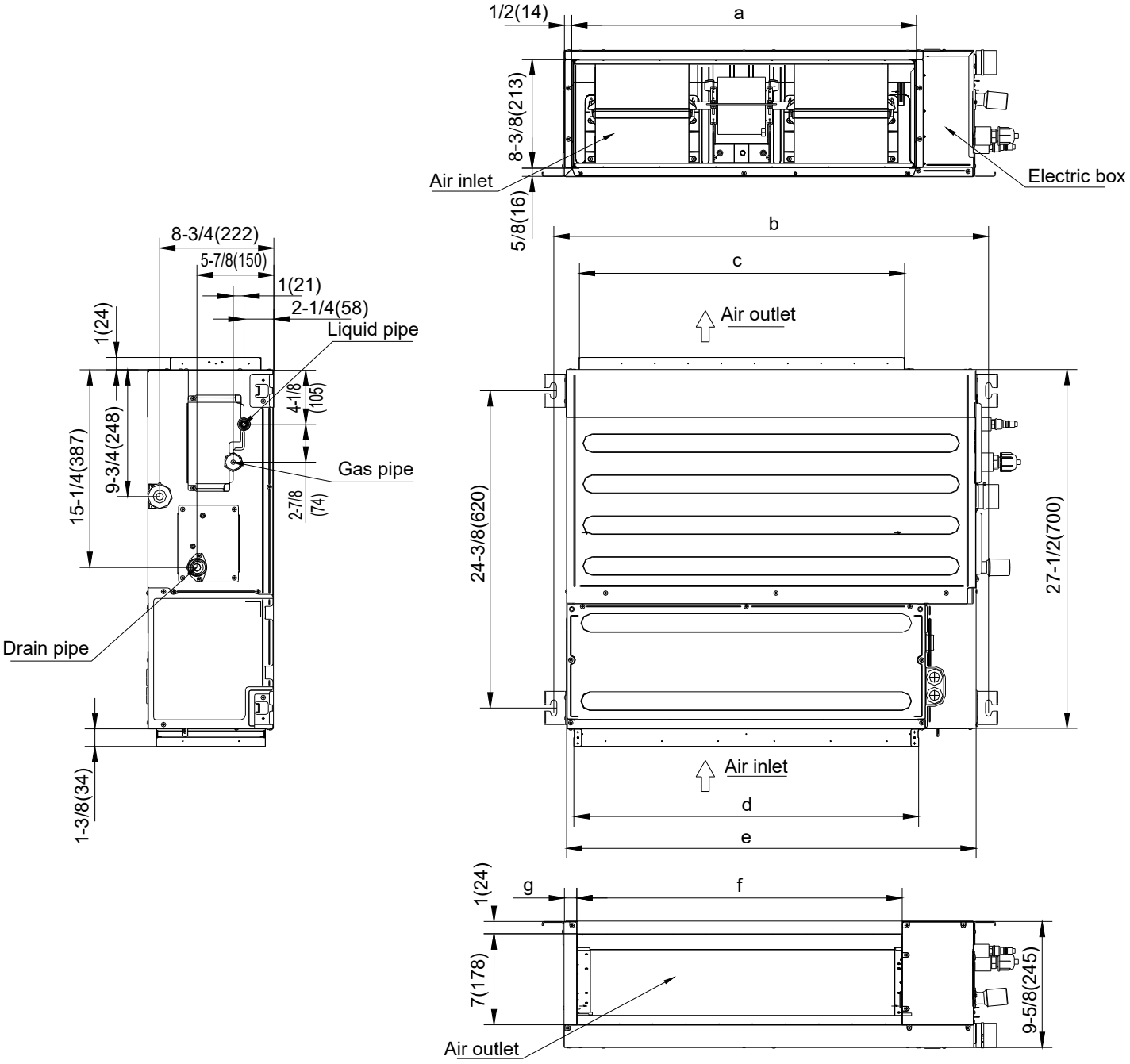
Model (Btu/h)	a	b	c	d
9K/12K	37-13/16 (961)	35-13/16 (910)	29-1/2 (749)	30 (786)

Figure 218

SPECIFICATIONS

Dimensions Ducted (18 and 24k BTU)

Unit : in.(mm)



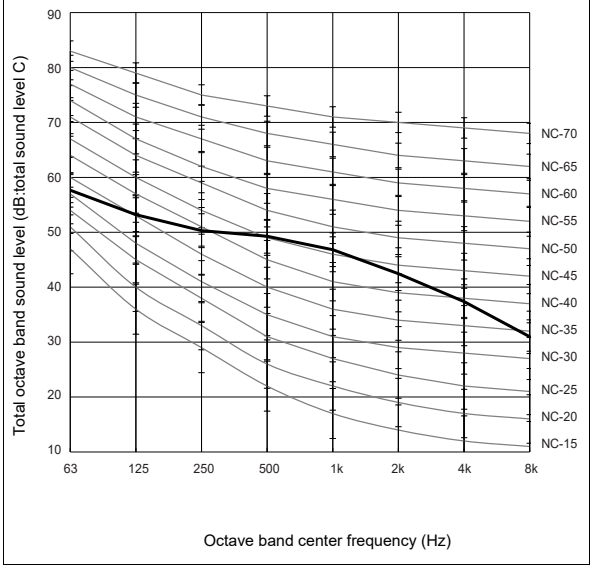
Model(Btu/h)	a	b	c	d	e	f	g
18K	26-1/2 (674)	33-1/2 (850)	25 (636)	26-1/2 (673)	31-1/2 (800)	25 (636)	1 (24)
24K	38-3/8 (974)	45-1/4 (1150)	35-7/8 (912)	38-1/4 (973)	43-1/4 (1100)	35-7/8 (912)	1-7/8 (49)

Figure 219

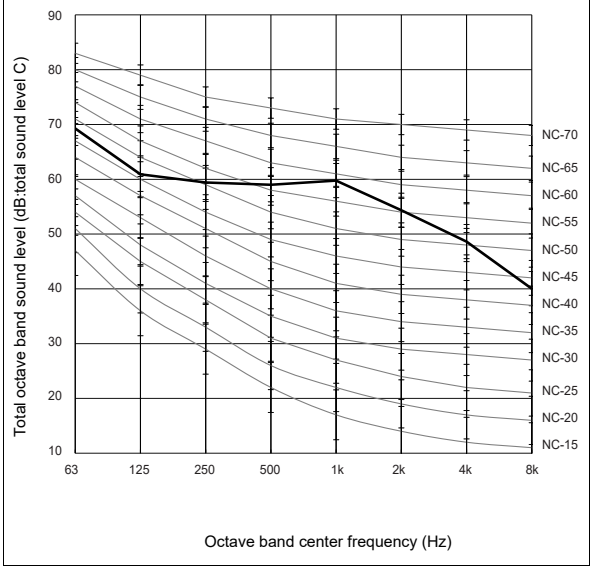
SPECIFICATIONS

Sound Pressure Data - Outdoor Units

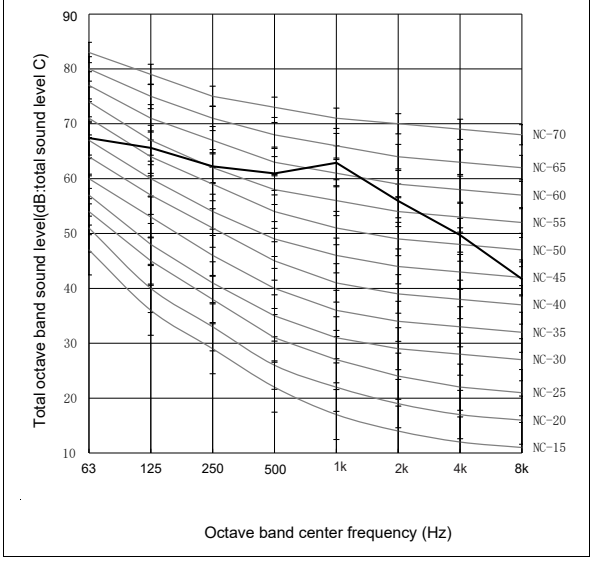
Model	18K
Test condition	3.28ft. (1.0m) ahead of the unit; 4.92ft. (1.5m) high from the bottom of the unit.



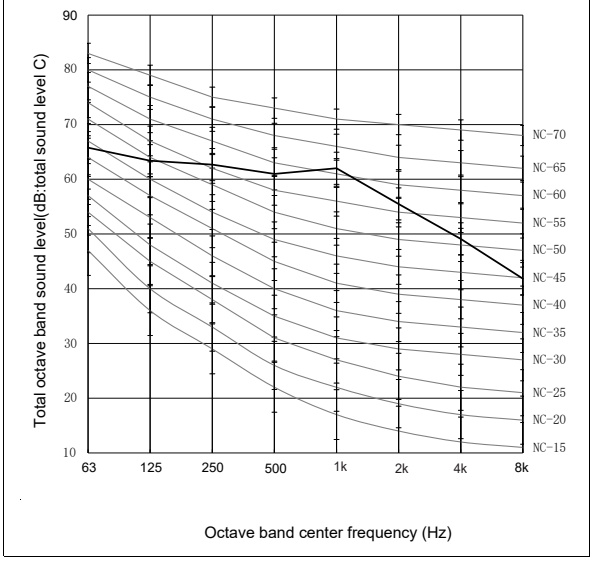
Model	27K
Test condition	3.28ft. (1.0m) ahead of the unit; 4.92ft. (1.5m) high from the bottom of the unit.



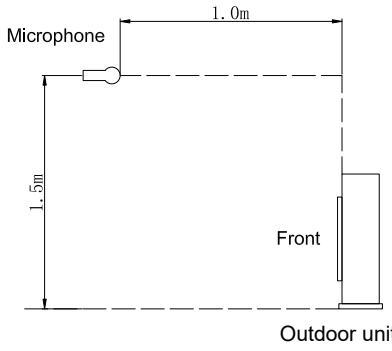
Model	36K
Test condition	3.28ft. (1.0m) ahead of the unit; 4.92ft. (1.5m) high from the bottom of the unit.



Model	42K
Test condition	3.28ft. (1.0m) ahead of the unit; 4.92ft. (1.5m) high from the bottom of the unit.



Test conditions



Notes:

1.The sound power level is dependent on the operating conditions of the unit. Sound measurements shall be carried out at the standard rating conditions。
Test method reference standard EN 12102-1.

2. Power source 230V, 50Hz.

3. The operation values were obtained in an semi-anechoic chamber (conversion values).

4. Sound levels will varies with operating and environmental conditions.

Figure 220

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts)

The following charts show the characteristics of outdoor unit capacity, which corresponds with the operating ambient temperature of outdoor unit.

Conditions:

① Pipe length / height difference : 25 ft. (7.5m) / 0 ft. (0m)

② Compressor at rated inverter frequency

③ Indoor fan speed at high fan speed

④ Capacity loss due to white frost and defrost operation is not included.

Remarks:

Q: Total Cooling Capacity (Gross) kW SHC: Sensible Heat Capacity (Gross) SHF: Sensible Heat Factor IPT: Power Input(including the compressor, evap. fan motor & cond. fan motor) W DB: Dry Bulb Temperature WB: Wet Bulb Temperature

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling Up to 2 indoor units series)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	Cooling Operation PERFORMANCE DATA																																																
			OUTDOOR DB (°F)																																																
			5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	18.47	11.27	0.61	1480	18.29	11.16	0.61	1493	18.09	11.03	0.61	1507	17.86	10.89	0.61	1519	17.68	10.78	0.61	1527	17.49	10.67	0.61	1578	17.25	10.52	0.61	1647	16.94	10.33	0.61	1759	16.54	10.09	0.61	1840	16.06	9.80	0.61	1909	14.78	9.01	0.61	2005	14.63	8.92	0.61	2025	12.07	7.36	0.61	2102
	70	68	19.23	9.42	0.49	1503	19.04	9.33	0.49	1517	18.83	9.23	0.49	1531	18.59	9.11	0.49	1543	18.41	9.02	0.49	1550	18.21	8.92	0.49	1601	17.96	8.80	0.49	1671	17.64	8.64	0.49	1782	17.23	8.44	0.49	1864	16.72	8.19	0.49	1933	15.39	7.54	0.49	2029	15.23	7.46	0.49	2049	12.57	6.16	0.49	2126
	72	64	19.04	12.38	0.65	1495	18.85	12.25	0.65	1508	18.65	12.12	0.65	1522	18.41	11.97	0.65	1535	18.23	11.85	0.65	1542	18.03	11.72	0.65	1594	17.78	11.56	0.65	1664	17.46	11.35	0.65	1776	17.06	11.09	0.65	1859	16.56	10.76	0.65	1928	15.23	9.90	0.65	2025	15.08	9.80	0.65	2046	12.44	8.09	0.65	2124
	72	68	19.62	10.40	0.53	1519	19.43	10.30	0.53	1532	19.22	10.19	0.53	1546	18.97	10.06	0.53	1558	18.78	9.96	0.53	1566	18.58	9.85	0.53	1617	18.32	9.71	0.53	1688	18.00	9.54	0.53	1800	17.58	9.32	0.53	1882	17.07	9.04	0.53	1952	15.70	8.32	0.53	2049	15.54	8.24	0.53	2069	12.82	6.80	0.53	2147
	72	72	19.96	8.18	0.41	1535	19.76	8.10	0.41	1548	19.55	8.01	0.41	1562	19.29	7.91	0.41	1574	19.10	7.83	0.41	1582	18.90	7.75	0.41	1634	18.63	7.64	0.41	1704	18.31	7.51	0.41	1816	17.88	7.33	0.41	1899	17.36	7.12	0.41	1968	15.97	6.55	0.41	2065	15.81	6.48	0.41	2086	13.04	5.35	0.41	2164
	73	64	19.43	13.41	0.69	1510	19.24	13.27	0.69	1524	19.03	13.13	0.69	1538	18.78	12.96	0.69	1550	18.60	12.83	0.69	1558	18.40	12.69	0.69	1610	18.14	12.52	0.69	1681	17.82	12.30	0.69	1794	17.40	12.01	0.69	1877	16.90	11.66	0.69	1948	15.54	10.73	0.69	2046	15.39	10.62	0.69	2066	12.70	8.76	0.69	2145
	73	68	20.03	11.41	0.57	1534	19.83	11.30	0.57	1548	19.61	11.18	0.57	1562	19.36	11.03	0.57	1574	19.17	10.93	0.57	1582	18.96	10.81	0.57	1634	18.70	10.66	0.57	1705	18.37	10.47	0.57	1818	17.94	10.22	0.57	1901	17.41	9.93	0.57	1972	16.02	9.13	0.57	2070	15.86	9.04	0.57	2090	13.08	7.46	0.57	2169
	73	72	20.37	9.16	0.45	1550	20.16	9.07	0.45	1564	19.94	8.97	0.45	1578	19.69	8.86	0.45	1590	19.49	8.77	0.45	1598	19.28	8.68	0.45	1650	19.02	8.56	0.45	1721	18.68	8.41	0.45	1835	18.24	8.21	0.45	1918	17.71	7.97	0.45	1988	16.29	7.33	0.45	2086	16.13	7.26	0.45	2107	13.31	5.99	0.45	2186
	75	64	19.83	14.47	0.73	1525	19.63	14.33	0.73	1539	19.42	14.17	0.73	1553	19.17	13.99	0.73	1566	18.98	13.85	0.73	1574	18.77	13.70	0.73	1626	18.51	13.51	0.73	1698	18.18	13.27	0.73	1812	17.76	12.96	0.73	1896	17.24	12.59	0.73	1968	15.86	11.58	0.73	2066	15.70	11.46	0.73	2087	12.96	9.46	0.73	2167
	75	68	20.43	12.46	0.61	1549	20.23	12.34	0.61	1563	20.01	12.21	0.61	1577	19.75	12.05	0.61	1590	19.56	11.93	0.61	1598	19.35	11.80	0.61	1650	19.08	11.64	0.61	1722	18.74	11.43	0.61	1837	18.30	11.16	0.61	1921	17.77	10.84	0.61	1992	16.35	9.97	0.61	2091	16.18	9.87	0.61	2111	13.35	8.14	0.61	2191
	75	72	20.78	10.18	0.49	1566	20.58	10.08	0.49	1580	20.35	9.97	0.49	1594	20.09	9.84	0.49	1606	19.89	9.75	0.49	1614	19.67	9.64	0.49	1667	19.40	9.51	0.49	1738	19.06	9.34	0.49	1853	18.61	9.12	0.49	1937	18.07	8.85	0.49	2008	16.63	8.15	0.49	2107	16.46	8.07	0.49	2128	13.58	6.65	0.49	2208
	75	75	21.07	7.80	0.37	1585	20.86	7.72	0.37	1599	20.64	7.64	0.37	1613	20.37	7.54	0.37	1626	20.17	7.46	0.37	1634	19.95	7.38	0.37	1686	19.67	7.28	0.37	1758	19.33	7.15	0.37	1873	18.87	6.98	0.37	1957	18.32	6.78	0.37	2028	16.86	6.24	0.37	2127	16.69	6.18	0.37	2147	13.77	5.09	0.37	2227
	77	64	20.44	15.74	0.77	1541	20.24	15.58	0.77	1555	20.02	15.41	0.77	1569	19.76	15.22	0.77	1582	19.56	15.06	0.77	1590	19.35	14.90	0.77	1642	19.08	14.70	0.77	1715	18.75	14.44	0.77	1831	18.31	14.10	0.77	1915	17.77	13.69	0.77	1987	16.35	12.59	0.77	2087	16.19	12.47	0.77	2108	13.36	10.28	0.77	2189
	77	68	21.07	13.69	0.65	1565	20.86	13.56	0.65	1579	20.63	13.41	0.65	1593	20.37	13.24	0.65	1606	20.16	13.11	0.65	1614	19.94	12.96	0.65	1667	19.67	12.78	0.65	1739	19.32	12.56	0.65	1855	18.87	12.26	0.65	1940	18.32	11.91	0.65	2012	16.85	10.95	0.65	2112	16.68	10.85	0.65	2133	13.76	8.95	0.65	2213
	77	72	21.42	11.35	0.53	1582	21.21	11.24	0.53	1596	20.98	11.12	0.53	1610	20.71	10.98	0.53	1623	20.51	10.87	0.53	1631	20.28	10.75	0.53	1684	20.00	10.60	0.53	1756	19.65	10.41	0.53	1872	19.19	10.17	0.53	1957	18.63	9.87	0.53	2029	17.14	9.08	0.53	2128	16.97	8.99	0.53	2149	14.00	7.42	0.53	2230
	77	75	21.72	8.91	0.41	1601	21.51	8.82	0.41	1615	21.27	8.72	0.41	1630	21.00	8.61	0.41	1642	20.79	8.53	0.41	1650	20.57	8.43	0.41	1703	20.28	8.32	0.41	1776	19.92	8.17	0.41	1892	19.46	7.98	0.41	1976	18.89	7.75	0.41	2048	17.38	7.13	0.41	2148	17.21	7.05	0.41	2169	14.19	5.82	0.41	2249
	79	64	21.07	17.07	0.81	1556	20.86	16.90	0.81	1570	20.64	16.72	0.81	1585	20.37	16.50	0.81	1598	20.17	16.34	0.81	1606	19.95	16.16	0.81	1659	19.68	15.94	0.81	1732	19.33	15.65	0.81	1849	18.87	15.29	0.81	1935	18.32	14.84	0.81	2007	16.86	13.66	0.81	2108	16.69	13.52	0.81	2130	13.77	11.15	0.81	2211
	79	68	21.72	14.98	0.69	1581	21.50	14.84	0.69	1595	21.27	14.68	0.69	1609	21.00	14.49	0.69	1622	20.79	14.34	0.69	1630	20.56	14.19	0.69	1684	20.28	13.99	0.69	1757	19.92	13.74	0.69	1874	19.45	13.42	0.69	1960	18.89	13.03	0.69	2032	17.37	11.99	0.69	2133	17.20	11.87	0.69	2154	14.19	9.79	0.69	2236
	79	72	22.09	12.59	0.57	1598	21.87	12.46	0.57	1612	21.63	12.33	0.57	1626	21.35	12.17	0.57	1639	21.14	12.05	0.57	1647	20.91	11.92	0.57	1701	20.62	11.75	0.57	1774	20.26	11.55	0.57	1891	19.78	11.28	0.57	1976	19.21	10.95	0.57	2049	17.67	10.07	0.57	2150	17.49	9.97	0.57	2171	14.43	8.23	0.57	2252
	79	75	22.40	10.08	0.45	1617	22.17	9.98	0.45	1632	21.93	9.87	0.45	1646	21.65	9.74	0.45	1659	21.44	9.65	0.45	1667	21.20	9.54	0.45	1720	20.91	9.41	0.45	1794	20.54	9.24	0.45	1911	20.06	9.03	0.45	1996	19.48	8.76	0.45	2069	17.92	8.06	0.45	2170	17.74	7.98	0.45	2191	14.63	6.59	0.45	2272
	79	79	22.75	7.51	0.33	1640	22.53	7.43	0.33	1654	22.28	7.35	0.33	1669	22.00	7.26	0.33	1682	21.78	7.19	0.33	1690	21.54	7.11	0.33	1743	21.25	7.01	0.33	1816	20.87	6.89	0.33	1933	20.38	6.73	0.33	2019	19.79	6.53	0.33	2092	18.20	6.01	0.33	2192	18.02	5.95	0.33	2214	14.87	4.91	0.33	2295
	81	64	21.50	18.28	0.85	1572	21.29	18.10	0.85	1586	21.06	17.90	0.85	1601	20.79	17.67	0.85	1614	20.58	17.49	0.85	1622	20.36	17.30	0.85	1676	20.08	17.07	0.85	1750	19.72	16.76	0.85	1868	19.26	16.37	0.85	1954	18.70	15.89	0.85	2028	17.20	14.62	0.85	2130	17.03	14.48	0.85	2151	14.05	11.94	0.85	2233
	81	66	21.94	17.33	0.79	1582	21.72	17.16	0.79	1596	21.49	16.98	0.79	1611	21.21	16.76	0.79	1624	21.00	16.59	0.79	1632	20.77	16.41	0.79	1686	20.49	16.18	0.79	1760	20.12	15.90	0.79	1878	19.65	15.53	0.79	1964	19.08	15.07	0.79	2038	17.55	13.87	0.79	2140	17.38	13.73	0.79	2161	14.34	11.33	0.79	2243
	81	68	22.16	16.18	0.73	1597	21.94	16.02	0.73	1611	21.70	15.84	0.73	1626	21.42	15.64	0.73	1639	21.21	15.48	0.73	1647	20.98	15.32	0.73	1701	20.69	15.10	0.73	1775	20.33	14.84	0.73	1893	19.85	14.49	0.73	1979	19.27	14.07	0.73	2053	17.73	12.94	0.73	2155	17.55	12.81	0.73	2176	14.48	10.57	0.73	2258
	81	72	22.54	13.75	0.61	1614	22.31	13.61	0.61	1628	22.07	13.46	0.61	1643	21.79	13.29	0.61	1656	21.57	13.16	0.61	1664	21.34	13.02	0.61	1718	21.04	12.84	0.61	1792	20.67	12.61	0.61	1910	20.19	12.31	0.61	1996	19.60	11.96	0.61	2070	18.03	11.00	0.61	2172	17.85	10.89	0.61	2193	14.73	8.98	0.61	2275
	81	75	22.85	11.20	0.49	1634	22.63	11.09	0.49	1648	22.38	10.97	0.49	1663	22.09	10.83	0.49	1676	21.87	10.72	0.49	1684	21.64	10.60	0.49	1738	21.34	10.46	0.49	1812	20.96	10.27	0.49	1930	20.47	10.03	0.49	2016	19.87	9.74	0.49	2090	18.28	8.96	0.49	2192	18.10	8.87	0.49	2213	14.93	7.32	0.49	2295
	81	79	23.22	8.59	0.37	1657	22.99	8.51	0.37	1671	22.74	8.41	0.37	1686	22.45	8.31	0.37	1699	22.22	8.22	0.37	1707	21.98	8.13	0.37	1761	21.68	8.02	0.37	1835	21.30	7.88	0.37	1953	20.80	7.69	0.37	2039	20.19	7.47	0.37	2113	18.58	6.87	0.37	2215	18.39	6.80	0.37	2236	15.17	5.61	0.37	2318
	82	64	21.72	19.33	0.89	1588	21.50	19.14	0.89	1602	21.27	18.93	0.89	1617	21.00	18.69	0.89	1630	20.79	18.50	0.89	1638	20.56	18.30	0.89	1692	20.28	18.05	0.89	1767	19.92	17.73	0.89	1887	19.45	17.31	0.89	1974	18.89	16.81	0.89	2048	17.37	15.46	0.89	2151	17.20	15.31	0.89	2173	14.19	12.63	0.89	2255
	82	68	22.16	17.06	0.77	1613	21.94	16.89	0.77	1627	21.70	16.71	0.77	1642	21.42	16.50	0.77	1655	21.21	16.33	0.77	1663	20.98	16.16	0.77	1718	20.69	15.93	0.77	1792	20.33	15.65	0.77	1912	19.85	15.28	0.77	1999	19.27	14.84	0.77	2073	17.73	13.65	0.77	2176	17.55	13.51	0.77	2198	14.48	11.15	0.77	2281
	82	72	22.38	14.55	0.65	1630	22.16	14.40	0.65	1644	21.92	14.25	0.65	1659	21.64	14.06	0.65	1672	21.42	13.93	0.65	1680	21.19	13.77	0.65	1735	20.90	13.58	0.65	1810	20.53	13.34	0.65	1929	20.05	13.03	0.65	2016	19.46	12.65	0.65	2090	17.91	11.64	0.65	2193	17.73	11.52	0.65	2215	14.63	9.51	0.65	2298
	82	75	22.76	12.06	0.53	1650	22.54	11.94	0.53	1665	22.29	11.81	0.53	1679	22.01	11.66	0.53	1692	21.79	11.55	0.53	1701	21.55	11.42	0.53	1755	21.25	11.26	0.53	1830	20.88	11.07	0.53	1949	20.39	10.81	0.53	2037	19.79	10.49	0.53	2111	18.21	9.65	0.53	2214	18.03	9.56	0.53	2235	14.87	7.88	0.53	2318
	82	79	23.08	9.46	0.41	1673	22.85	9.37	0.41	1688	22.60	9.27	0.41	1703	22.31	9.15	0.41	1716	22.09	9.06	0.41	1724	21.85	8.96	0.41	1778	21.55	8.84	0.41	1853	21.17	8.68	0.41	1972	20.67	8.48	0.41	2060	20.07	8.23	0.41	2134	18.47	7.57	0.41	2237	18.28	7.50	0.41	2258	15.08	6.18	0.41	2341
	84	64	21.93	19.96	0.91	1603	21.72	19.76	0.91	1618	21.48	19.55	0.91	1633	21.21	19.30	0.91	1646	21.00	19.11	0.91	1654	20.77	18.90	0.91	1709	20.48	18.64	0.91	1785	20.12	18.31	0.91	1906	19.65	17.88	0.91	1994	19.07	17.36	0.91	2069	17.55	15.97	0.91	2172	17.37	15.81	0.91	2194	14.33	13.04	0.91	2278
	84	68	22.38	18.13	0.81	1629	22.16	17.95	0.81	1644	21.92	17.75	0.81	1658	21.64	17.53	0.81	1672	21.42	17.35	0.81	1680	21.19	17.16	0.81	1735	20.90	16.93	0.81	1810	20.53	16.63	0.81	1931	20.05	16.24	0.81	2019	19.46	15.77	0.81	2094	17.91	14.50	0.81	2198	17.73	14.36	0.81	2220	14.63	11.85	0.81	2304
	84	72	22.83	15.75	0.69	1646	22.60	15.60	0.69	1661	22.36	15.43	0.69	1676	22.07	15.23	0.69	1689	21.85	15.08	0.69	1697	21.61	14.91	0.69	1752	21.32	14.71	0.69	1828	20.94	14.45	0.69	1948	20.45	14.11	0.69	2037	19.85	13.70	0.69	2111	18.26	12.60	0.69	2215	18.08	12.48	0.69	2237	14.92	10.29	0.69	2321
	84	75	22.99	13.10	0.57	1667	22.76	12.97	0.57	1681	22.51	12.83	0.57	1696	22.23	12.67	0.57	1709	22.01	12.54	0.57	1718	21.77	12.41	0.57	1773	21.47	12.24	0.57	1848	21.09	12.02	0.57	1969	20.59	11.74	0.57	2057	19.99	11.40	0.57	2132	18.39	10.48	0.57	2236	18.21	10.38	0.57	2258	15.02	8.56	0.57	2341
	84	79	23.31	10.49	0.45	1690	23.08	10.39	0.45	1705	22.83	10.27	0.45	1720	22.54	10.14	0.45	1733	22.31	10.04	0.45	1741	22.07	9.93	0.45	1796	21.77	9.79	0.45	1872	21.38	9.62	0.45	1992	20.88	9.40	0.45	2080	20.27	9.12	0.45	2155	18.65	8.39	0.45	2259	18.46	8.31	0.45	2281	15.23	6.85	0.45	2365
	86	64	22.15	20.16	0.91	1619	21.93	19.96	0.91	1634	21.70	19.74	0.91	1649	21.42	19.49	0.91	1663	21.21	19.30	0.91	1671	20.97	19.09	0.91	1727	20.68	18.82	0.91	1803	20.32	18.49	0.91	1925	19.84	18.06	0.91	2014	19.26	17.53	0.91	2089	17.72	16.13	0.91	2194	17.55	15.97	0.91	2216	14.48	13.17	0.91	2301
	86	68	22.61	19.21	0.85	1645	22.38	19.02	0.85	1660	22.14	18.82	0.85	1675	21.85	18.58	0.85	1688	21.64	18.39	0.85	1697	21.40	18.19	0.85	1752	21.11	17.94	0.85	1828	20.73	17.62	0.85	1950	20.25	17.21	0.85	2039	19.66	16.71	0.85	2115	18.09	15.37	0.85	2220	17.90	15.22	0.85	2242	14.77	12.56	0.85	2327
	86	72	23.06	16.83	0.73	1663	22.83	16.67	0.73	1677	22.58	16.48	0.73	1692	22.29	16.27	0.73	1706	22.07	16.11	0.73	1714	21.83	15.94	0.73	1770	21.53	15.72	0.73	1846	21.15	15.44	0.73	1968	20.65	15.08	0.73	2057	20.05	14.64	0.73	2132	18.45	13.47	0.73	2237	18.26	13.33	0.73	2259	15.07	11.00	0.73	2344
	86	75	23.22	14.16	0.61	1683	22.99	14.02	0.61	1698	22.74	13.87	0.61	1713	22.45	13.69	0.61	1726	22.23	13.56	0.61	1735	21.98	13.41	0.61	1790	21.68	13.23	0.61	1867	21.30	12.99	0.61	1988	20.80	12.69	0.61	2077	20.19	12.32	0.61	2153	18.58	11.33	0.61	2258	18.39	11.22	0.61	2280	15.17	9.26	0.61	2365
	86	79	23.55	11.54	0.49	1707	23.31	11.42	0.49	1722	23.06	11.30	0.49	1737	22.76	11.15	0.49	1750	22.54	11.04	0.49	1759	22.29	10.92	0.49	1814	21.98	10.77	0.49	1890	21.60	10.58	0.49	2012	21.09	10.33	0.49	2101	20.47	10.03	0.49	2177	18.84	9.23	0.49	2282	18.65	9.14	0.49	2304	15.39	7.54	0.49	2388
	88	64	22.38	20.36	0.91	1636	22.15	20.16	0.91	1651	21.91	19.94	0.91	1666	21.63	19.68	0.91	1679	21.42	19.49	0.91	1688	21.18	19.28	0.91	1744	20.89	19.01	0.91	1821	20.52	18.68	0.91	1944	20.04	18.24	0.91	2034	19.46	17.71	0.91	2110	17.90	16.29	0.91	2216	17.72	16.13	0.91	2238	14.62	13.30	0.91	2324
	88	68	22.83	20.32	0.89	1662	22.61	20.12	0.89	1677	22.36	19.90	0.89	1692	22.07	19.64	0.89	1705	21.85	19.45	0.89	1714	21.62	19.24	0.89	1770	21.32	18.97	0.89	1847	20.94	18.64	0.89	1970	20.45	18.20	0.89	2060	19.85	17.67	0.89	2136	18.27	16.26	0.89	2242	18.08	16.09	0.89	2264	14.92	13.28	0.89	2350
	88	72	23.29	17.93	0.77	1679	23.06	17.75	0.77	1694	22.81	17.56	0.77	1709	22.51	17.34	0.77	1723	22.29	17.16	0.77	1731	22.05	16.98	0.77	1787	21.74	16.74	0.77	1864	21.36	16.45	0.77	1988	20.86	16.06	0.77	2077	20.25	15.59	0.77	2154	18.63	14.35	0.77	2260	18.45	14.20	0.77	2282	15.22	11.72	0.77	2368
	88	75	23.45	15.24	0.65	1700	23.22	15.09	0.65	1715	22.97	14.93	0.65	1730	22.67	14.74	0.65	1744	22.45	14.59	0.65	1752	22.20	14.43	0.65	1808	21.90	14.23	0.65	1885	21.51	13.98	0.65	2008	21.01	13.65	0.65	2098	20.39	13.26	0.65	2175	18.76	12.20	0.65	2281	18.58	12.07	0.65	2303	15.32	9.96	0.65	2388
	88	79	23.78	12.60	0.53	1724	23.55	12.48	0.53	1739	23.29	12.34	0.53	1754	22.99	12.18	0.53	1768	22.76	12.06	0.53	1776	22.51	11.93	0.53	1832	22.20	11.77	0.53	1909	21.81	11.56	0.53	2032	21.30	11.29	0.53	2122	20.68	10.96	0.53	2199	19.03	10.08	0.53	2305	18.84	9.98	0.53	2327	15.54	8.24	0.53	2412
	90	64	22.60	20.57	0.91	1652	22.38	20.36	0.91	1667	22.13	20.14	0.91	1682	21.85	19.88	0.91	1696	21.63	19.68	0.91	1705	21.40	19.47	0.91	1761	21.10	19.20	0.91	1839	20.73	18.86	0.91	1963	20.24	18.42	0.91	2054	19.65	17.88	0.91	2131	18.08	16.45	0.91	2238	17.90	16.29	0.91	2261	14.77	13.44	0.91	2347
	90	68	23.06	20.98	0.91	1678	22.83	20.78	0.91	1693	22.58	20.55	0.91	1709	22.29	20.29	0.91	1722	22.07	20.09	0.91	1731	21.83	19.87	0.91	1787	21.53	19.59	0.91	1865	21.15	19.25	0.91	1990	20.65	18.80	0.91	2080	20.05	18.25	0.91	2157	18.45	16.79	0.91	2265	18.26	16.62	0.91	2287	15.07	13.71	0.91	2373
	90	72	23.52	19.05	0.81	1696	23.29	18.86	0.81	1711	23.04	18.66	0.81	1726	22.74	18.42	0.81	1740	22.51	18.24	0.81	1749	22.27	18.04	0.81	1805	21.96	17.79	0.81	1883	21.57	17.47	0.81	2007	21.07	17.07	0.81	2098	20.45	16.57	0.81	2175	18.82	15.24	0.81	2282	18.63	15.09	0.81	2305	15.37	12.45	0.81	2391
	90	75	23.69	16.34	0.69	1717	23.45	16.18	0.69	1732	23.20	16.01	0.69	1747	22.90	15.80	0.69	1761	22.67	15.64	0.69	1770	22.43	15.47	0.69	1826	22.12	15.26	0.69	1904	21.73	14.99	0.69	2028	21.22	14.64	0.69	2119	20.60	14.21	0.69	2196	18.95	13.08	0.69	2303	18.76	12.94	0.69	2326	15.48	10.68	0.69	2412
	90	79	24.02	13.69	0.57	1741	23.78	13.55	0.57	1756	23.52	13.41	0.57	1772	23.22	13.24	0.57	1785	22.99	13.10	0.57	1794	22.74	12.96	0.57	1851	22.43	12.78	0.57	1928	22.03	12.56	0.57	2053	21.51	12.26	0.57	2143	20.89	11.91	0.57	2221	19.22	10.95	0.57	2328	19.02	10.84	0.57	2350	15.69	8.95	0.57	2436

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling Up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	11.71	7.14	0.61	2117	10.42	6.36	0.61	2160	10.00	6.10	0.61	2181	9.50	5.80	0.61	2225
	70	68	12.19	5.97	0.49	2141	10.85	5.32	0.49	2183	10.41	5.10	0.49	2205	9.89	4.85	0.49	2249
	72	64	12.07	7.84	0.65	2139	10.74	6.98	0.65	2182	10.31	6.70	0.65	2204	9.80	6.37	0.65	2248
	72	68	12.44	6.59	0.53	2162	11.07	5.87	0.53	2205	10.63	5.63	0.53	2227	10.10	5.35	0.53	2272
	72	72	12.65	5.19	0.41	2179	11.26	4.62	0.41	2222	10.81	4.43	0.41	2243	10.27	4.21	0.41	2288
	73	64	12.32	8.50	0.69	2160	10.96	7.56	0.69	2204	10.52	7.26	0.69	2226	10.00	6.90	0.69	2270
	73	68	12.69	7.23	0.57	2184	11.30	6.44	0.57	2228	10.84	6.18	0.57	2250	10.30	5.87	0.57	2294
	73	72	12.91	5.81	0.45	2201	11.49	5.17	0.45	2244	11.03	4.96	0.45	2266	10.48	4.71	0.45	2311
	75	64	12.57	9.17	0.73	2182	11.18	8.16	0.73	2226	10.74	7.84	0.73	2248	10.20	7.45	0.73	2293
	75	68	12.95	7.90	0.61	2206	11.53	7.03	0.61	2250	11.07	6.75	0.61	2273	10.51	6.41	0.61	2318
	75	72	13.17	6.45	0.49	2223	11.72	5.74	0.49	2267	11.25	5.51	0.49	2289	10.69	5.24	0.49	2334
	75	75	13.36	4.94	0.37	2242	11.89	4.40	0.37	2286	11.41	4.22	0.37	2308	10.84	4.01	0.37	2354
	77	64	12.96	9.98	0.77	2204	11.53	8.88	0.77	2248	11.07	8.52	0.77	2271	10.52	8.10	0.77	2317
	77	68	13.35	8.68	0.65	2229	11.88	7.72	0.65	2273	11.41	7.42	0.65	2295	10.84	7.04	0.65	2341
	77	72	13.58	7.20	0.53	2245	12.09	6.41	0.53	2290	11.60	6.15	0.53	2312	11.02	5.84	0.53	2358
	77	75	13.77	5.65	0.41	2265	12.25	5.02	0.41	2309	11.76	4.82	0.41	2332	11.18	4.58	0.41	2377
	79	64	13.36	10.82	0.81	2226	11.89	9.63	0.81	2271	11.41	9.24	0.81	2294	10.84	8.78	0.81	2340
	79	68	13.76	9.50	0.69	2251	12.25	8.45	0.69	2296	11.76	8.11	0.69	2319	11.17	7.71	0.69	2365
	79	72	14.00	7.98	0.57	2268	12.46	7.10	0.57	2313	11.96	6.82	0.57	2335	11.36	6.48	0.57	2382
	79	75	14.19	6.39	0.45	2288	12.63	5.69	0.45	2332	12.13	5.46	0.45	2355	11.52	5.18	0.45	2401
	79	79	14.42	4.76	0.33	2311	12.84	4.24	0.33	2355	12.32	4.07	0.33	2378	11.71	3.86	0.33	2424
	81	64	13.63	11.58	0.85	2249	12.13	10.31	0.85	2294	11.64	9.90	0.85	2317	11.06	9.40	0.85	2364
	81	66	13.91	10.99	0.79	2259	12.38	9.78	0.79	2304	11.88	9.39	0.79	2327	11.29	8.92	0.79	2374
	81	68	14.05	10.25	0.73	2274	12.50	9.13	0.73	2319	12.00	8.76	0.73	2342	11.40	8.32	0.73	2389
	81	72	14.28	8.71	0.61	2291	12.71	7.76	0.61	2336	12.20	7.44	0.61	2359	11.59	7.07	0.61	2406
	81	75	14.48	7.10	0.49	2311	12.89	6.32	0.49	2356	12.38	6.06	0.49	2379	11.76	5.76	0.49	2426
	81	79	14.72	5.45	0.37	2334	13.10	4.85	0.37	2379	12.57	4.65	0.37	2402	11.94	4.42	0.37	2449
	82	64	13.76	12.25	0.89	2271	12.25	10.90	0.89	2317	11.76	10.47	0.89	2340	11.17	9.94	0.89	2387
	82	68	14.05	10.82	0.77	2297	12.50	9.63	0.77	2342	12.00	9.24	0.77	2365	11.40	8.78	0.77	2413
	82	72	14.19	9.22	0.65	2314	12.63	8.21	0.65	2359	12.12	7.88	0.65	2383	11.51	7.48	0.65	2430
	82	75	14.43	7.65	0.53	2334	12.84	6.81	0.53	2380	12.33	6.53	0.53	2403	11.71	6.21	0.53	2450
	82	79	14.63	6.00	0.41	2357	13.02	5.34	0.41	2403	12.50	5.12	0.41	2426	11.87	4.87	0.41	2473
	84	64	13.90	12.65	0.91	2294	12.37	11.26	0.91	2340	11.88	10.81	0.91	2364	11.28	10.27	0.91	2411
	84	68	14.19	11.49	0.81	2320	12.63	10.23	0.81	2366	12.12	9.82	0.81	2389	11.51	9.33	0.81	2437
	84	72	14.47	9.98	0.69	2337	12.88	8.89	0.69	2383	12.36	8.53	0.69	2406	11.75	8.10	0.69	2454
	84	75	14.57	8.31	0.57	2357	12.97	7.39	0.57	2403	12.45	7.10	0.57	2427	11.83	6.74	0.57	2474
	84	79	14.78	6.65	0.45	2381	13.15	5.92	0.45	2427	12.62	5.68	0.45	2450	11.99	5.40	0.45	2498
	86	64	14.04	12.78	0.91	2317	12.50	11.37	0.91	2364	12.00	10.92	0.91	2387	11.40	10.37	0.91	2435
	86	68	14.33	12.18	0.85	2343	12.75	10.84	0.85	2389	12.24	10.41	0.85	2413	11.63	9.89	0.85	2461
	86	72	14.61	10.67	0.73	2360	13.01	9.50	0.73	2407	12.49	9.12	0.73	2431	11.86	8.66	0.73	2479
	86	75	14.72	8.98	0.61	2381	13.10	7.99	0.61	2427	12.57	7.67	0.61	2451	11.95	7.29	0.61	2499
	86	79	14.92	7.31	0.49	2405	13.28	6.51	0.49	2451	12.75	6.25	0.49	2475	12.11	5.94	0.49	2523
	88	64	14.18	12.91	0.91	2340	12.62	11.49	0.91	2387	12.12	11.03	0.91	2411	11.51	10.48	0.91	2460
	88	68	14.47	12.88	0.89	2366	12.88	11.46	0.89	2413	12.36	11.00	0.89	2437	11.75	10.45	0.89	2486
	88	72	14.76	11.37	0.77	2384	13.14	10.12	0.77	2431	12.61	9.71	0.77	2455	11.98	9.23	0.77	2503
	88	75	14.86	9.66	0.65	2405	13.23	8.60	0.65	2452	12.70	8.26	0.65	2476	12.07	7.84	0.65	2524
	88	79	15.07	7.99	0.53	2429	13.41	7.11	0.53	2476	12.88	6.83	0.53	2500	12.23	6.48	0.53	2548
	90	64	14.32	13.03	0.91	2364	12.75	11.60	0.91	2411	12.24	11.14	0.91	2435	11.63	10.58	0.91	2484
	90	68	14.62	13.30	0.91	2390	13.01	11.84	0.91	2437	12.49	11.36	0.91	2462	11.86	10.80	0.91	2510
	90	72	14.91	12.08	0.81	2408	13.27	10.75	0.81	2455	12.74	10.32	0.81	2479	12.10	9.80	0.81	2528
	90	75	15.01	10.36	0.69	2429	13.36	9.22	0.69	2476	12.83	8.85	0.69	2500	12.19	8.41	0.69	2549
	90	79	15.22	8.68	0.57	2453	13.55	7.72	0.57	2500	13.01	7.41	0.57	2525	12.36	7.04	0.57	2574

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling up to 2 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																		
			OUTDOOR DB (°F)																																																		
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	18.30	11.16	0.61	1466	18.11	11.05	0.61	1479	17.92	10.93	0.61	1492	17.69	10.79	0.61	1505	17.51	10.68	0.61	1512	17.32	10.57	0.61	1562	17.08	10.42	0.61	1631	16.78	10.24	0.61	1742	16.39	10.00	0.61	1822	15.91	9.71	0.61	1891	14.64	8.93	0.61	1986	14.49	8.84	0.61	2006	11.96	7.29	0.61	2082
	70	68	19.05	9.33	0.49	1489	18.86	9.24	0.49	1502	18.66	9.14	0.49	1516	18.42	9.02	0.49	1528	18.23	8.94	0.49	1536	18.04	8.84	0.49	1586	17.79	8.72	0.49	1655	17.47	8.56	0.49	1765	17.06	8.36	0.49	1846	16.57	8.12	0.49	1914	15.24	7.47	0.49	2009	15.09	7.39	0.49	2029	12.45	6.10	0.49	2106
	72	64	18.86	12.26	0.65	1480	18.68	12.14	0.65	1494	18.47	12.01	0.65	1508	18.23	11.85	0.65	1520	18.05	11.74	0.65	1527	17.86	11.61	0.65	1578	17.61	11.45	0.65	1648	17.30	11.25	0.65	1759	16.89	10.98	0.65	1841	16.40	10.66	0.65	1910	15.09	9.81	0.65	2006	14.94	9.71	0.65	2026	12.32	8.01	0.65	2103
	72	68	19.44	10.30	0.53	1504	19.25	10.20	0.53	1518	19.04	10.09	0.53	1531	18.79	9.96	0.53	1544	18.61	9.86	0.53	1551	18.40	9.75	0.53	1602	18.15	9.62	0.53	1672	17.83	9.45	0.53	1783	17.41	9.23	0.53	1865	16.90	8.96	0.53	1934	15.55	8.24	0.53	2030	15.40	8.16	0.53	2050	12.70	6.73	0.53	2127
	72	72	19.77	8.11	0.41	1520	19.57	8.03	0.41	1534	19.36	7.94	0.41	1547	19.11	7.84	0.41	1560	18.92	7.76	0.41	1567	18.72	7.67	0.41	1618	18.46	7.57	0.41	1688	18.13	7.43	0.41	1799	17.71	7.26	0.41	1881	17.19	7.05	0.41	1950	15.82	6.48	0.41	2046	15.66	6.42	0.41	2066	12.92	5.30	0.41	2143
	73	64	19.25	13.28	0.69	1495	19.06	13.15	0.69	1509	18.85	13.01	0.69	1523	18.61	12.84	0.69	1535	18.42	12.71	0.69	1543	18.22	12.57	0.69	1594	17.97	12.40	0.69	1665	17.65	12.18	0.69	1777	17.24	11.90	0.69	1859	16.74	11.55	0.69	1929	15.40	10.62	0.69	2026	15.24	10.52	0.69	2046	12.58	8.68	0.69	2125
	73	68	19.84	11.31	0.57	1519	19.64	11.19	0.57	1533	19.43	11.07	0.57	1547	19.18	10.93	0.57	1559	18.99	10.82	0.57	1567	18.78	10.70	0.57	1618	18.52	10.56	0.57	1689	18.19	10.37	0.57	1801	17.77	10.13	0.57	1883	17.25	9.83	0.57	1953	15.87	9.05	0.57	2050	15.71	8.96	0.57	2070	12.96	7.39	0.57	2149
	73	72	20.17	9.08	0.45	1536	19.97	8.99	0.45	1549	19.76	8.89	0.45	1563	19.50	8.78	0.45	1575	19.31	8.69	0.45	1583	19.10	8.59	0.45	1635	18.84	8.48	0.45	1705	18.50	8.33	0.45	1817	18.07	8.13	0.45	1900	17.54	7.89	0.45	1969	16.14	7.26	0.45	2066	15.98	7.19	0.45	2087	13.18	5.93	0.45	2165
	75	64	19.64	14.34	0.73	1510	19.45	14.20	0.73	1524	19.23	14.04	0.73	1538	18.99	13.86	0.73	1551	18.80	13.72	0.73	1558	18.59	13.57	0.73	1610	18.34	13.39	0.73	1681	18.01	13.15	0.73	1795	17.59	12.84	0.73	1878	17.08	12.47	0.73	1949	15.71	11.47	0.73	2047	15.56	11.36	0.73	2067	12.83	9.37	0.73	2146
	75	68	20.24	12.35	0.61	1535	20.04	12.22	0.61	1548	19.82	12.09	0.61	1562	19.57	11.94	0.61	1575	19.37	11.82	0.61	1583	19.16	11.69	0.61	1635	18.90	11.53	0.61	1706	18.56	11.32	0.61	1819	18.13	11.06	0.61	1902	17.60	10.74	0.61	1973	16.19	9.88	0.61	2071	16.03	9.78	0.61	2091	13.23	8.07	0.61	2170
	75	72	20.59	10.09	0.49	1551	20.38	9.99	0.49	1565	20.16	9.88	0.49	1579	19.90	9.75	0.49	1591	19.70	9.65	0.49	1599	19.49	9.55	0.49	1651	19.22	9.42	0.49	1722	18.88	9.25	0.49	1836	18.44	9.03	0.49	1919	17.90	8.77	0.49	1989	16.47	8.07	0.49	2087	16.30	7.99	0.49	2108	13.45	6.59	0.49	2187
	75	75	20.87	7.72	0.37	1571	20.67	7.65	0.37	1584	20.44	7.56	0.37	1598	20.18	7.47	0.37	1611	19.98	7.39	0.37	1619	19.76	7.31	0.37	1670	19.49	7.21	0.37	1742	19.14	7.08	0.37	1855	18.70	6.92	0.37	1938	18.15	6.72	0.37	2009	16.70	6.18	0.37	2107	16.53	6.12	0.37	2127	13.64	5.05	0.37	2206
	77	64	20.25	15.59	0.77	1526	20.05	15.44	0.77	1540	19.83	15.27	0.77	1554	19.57	15.07	0.77	1566	19.38	14.92	0.77	1574	19.17	14.76	0.77	1627	18.90	14.56	0.77	1698	18.57	14.30	0.77	1813	18.14	13.96	0.77	1897	17.61	13.56	0.77	1968	16.20	12.47	0.77	2067	16.04	12.35	0.77	2088	13.23	10.19	0.77	2168
	77	68	20.87	13.56	0.65	1550	20.66	13.43	0.65	1564	20.44	13.28	0.65	1578	20.17	13.11	0.65	1591	19.97	12.98	0.65	1599	19.76	12.84	0.65	1651	19.48	12.66	0.65	1723	19.14	12.44	0.65	1838	18.69	12.15	0.65	1922	18.15	11.79	0.65	1993	16.69	10.85	0.65	2092	16.53	10.74	0.65	2112	13.64	8.86	0.65	2192
	77	72	21.22	11.25	0.53	1567	21.01	11.14	0.53	1581	20.78	11.01	0.53	1595	20.52	10.87	0.53	1607	20.31	10.77	0.53	1615	20.09	10.65	0.53	1668	19.81	10.50	0.53	1739	19.46	10.32	0.53	1854	19.01	10.07	0.53	1938	18.45	9.78	0.53	2009	16.98	9.00	0.53	2108	16.81	8.91	0.53	2129	13.87	7.35	0.53	2209
	77	75	21.52	8.82	0.41	1586	21.31	8.74	0.41	1600	21.07	8.64	0.41	1614	20.80	8.53	0.41	1627	20.60	8.44	0.41	1635	20.37	8.35	0.41	1687	20.09	8.24	0.41	1759	19.74	8.09	0.41	1874	19.27	7.90	0.41	1958	18.71	7.67	0.41	2029	17.22	7.06	0.41	2128	17.04	6.99	0.41	2149	14.06	5.77	0.41	2228
	79	64	20.87	16.91	0.81	1541	20.67	16.74	0.81	1555	20.44	16.56	0.81	1569	20.18	16.35	0.81	1582	19.98	16.18	0.81	1590	19.76	16.01	0.81	1643	19.49	15.79	0.81	1715	19.14	15.51	0.81	1831	18.70	15.14	0.81	1916	18.15	14.70	0.81	1988	16.70	13.53	0.81	2088	16.53	13.39	0.81	2109	13.64	11.05	0.81	2190
	79	68	21.51	14.84	0.69	1566	21.30	14.70	0.69	1580	21.07	14.54	0.69	1594	20.80	14.35	0.69	1607	20.59	14.21	0.69	1615	20.37	14.05	0.69	1668	20.09	13.86	0.69	1740	19.73	13.61	0.69	1856	19.27	13.30	0.69	1941	18.71	12.91	0.69	2013	17.21	11.88	0.69	2113	17.04	11.76	0.69	2134	14.06	9.70	0.69	2214
	79	72	21.88	12.47	0.57	1583	21.66	12.35	0.57	1597	21.43	12.21	0.57	1611	21.15	12.06	0.57	1624	20.94	11.94	0.57	1632	20.71	11.81	0.57	1685	20.43	11.64	0.57	1757	20.07	11.44	0.57	1873	19.60	11.17	0.57	1958	19.03	10.84	0.57	2030	17.50	9.98	0.57	2130	17.33	9.88	0.57	2151	14.30	8.15	0.57	2231
	79	75	22.18	9.98	0.45	1602	21.96	9.88	0.45	1617	21.73	9.78	0.45	1631	21.45	9.65	0.45	1644	21.23	9.56	0.45	1652	21.00	9.45	0.45	1704	20.71	9.32	0.45	1777	20.35	9.16	0.45	1893	19.87	8.94	0.45	1978	19.29	8.68	0.45	2050	17.75	7.99	0.45	2149	17.57	7.91	0.45	2170	14.50	6.52	0.45	2251
	79	79	22.54	7.44	0.33	1625	22.32	7.36	0.33	1639	22.07	7.28	0.33	1654	21.79	7.19	0.33	1666	21.57	7.12	0.33	1674	21.34	7.04	0.33	1727	21.04	6.94	0.33	1800	20.67	6.82	0.33	1916	20.19	6.66	0.33	2000	19.60	6.47	0.33	2072	18.03	5.95	0.33	2172	17.85	5.89	0.33	2193	14.73	4.86	0.33	2274
	81	64	21.30	18.10	0.85	1557	21.09	17.93	0.85	1571	20.86	17.73	0.85	1585	20.59	17.50	0.85	1598	20.39	17.33	0.85	1606	20.17	17.14	0.85	1660	19.89	16.90	0.85	1733	19.54	16.61	0.85	1850	19.08	16.22	0.85	1936	18.52	15.74	0.85	2008	17.04	14.48	0.85	2109	16.87	14.34	0.85	2130	13.92	11.83	0.85	2212
	81	66	21.73	17.17	0.79	1567	21.52	17.00	0.79	1581	21.28	16.81	0.79	1595	21.01	16.60	0.79	1608	20.80	16.43	0.79	1616	20.58	16.26	0.79	1670	20.29	16.03	0.79	1743	19.93	15.75	0.79	1860	19.47	15.38	0.79	1946	18.90	14.93	0.79	2018	17.39	13.74	0.79	2119	17.21	13.60	0.79	2140	14.20	11.22	0.79	2222
	81	68	21.95	16.02	0.73	1582	21.73	15.87	0.73	1596	21.50	15.69	0.73	1610	21.22	15.49	0.73	1623	21.01	15.34	0.73	1631	20.78	15.17	0.73	1685	20.50	14.96	0.73	1758	20.13	14.70	0.73	1875	19.66	14.35	0.73	1961	19.09	13.93	0.73	2033	17.56	12.82	0.73	2134	17.39	12.69	0.73	2155	14.34	10.47	0.73	2237
	81	72	22.32	13.62	0.61	1599	22.10	13.48	0.61	1613	21.86	13.34	0.61	1627	21.58	13.17	0.61	1640	21.37	13.03	0.61	1648	21.14	12.89	0.61	1702	20.84	12.72	0.61	1775	20.48	12.49	0.61	1892	20.00	12.20	0.61	1978	19.41	11.84	0.61	2050	17.86	10.89	0.61	2151	17.68	10.79	0.61	2172	14.59	8.90	0.61	2254
	81	75	22.64	11.09	0.49	1619	22.41	10.98	0.49	1633	22.17	10.86	0.49	1647	21.88	10.72	0.49	1660	21.67	10.62	0.49	1668	21.43	10.50	0.49	1722	21.14	10.36	0.49	1795	20.76	10.17	0.49	1912	20.28	9.94	0.49	1998	19.69	9.65	0.49	2070	18.11	8.87	0.49	2171	17.93	8.79	0.49	2192	14.79	7.25	0.49	2274
	81	79	23.00	8.51	0.37	1642	22.77	8.43	0.37	1656	22.52	8.33	0.37	1670	22.23	8.23	0.37	1683	22.01	8.15	0.37	1691	21.78	8.06	0.37	1745	21.47	7.95	0.37	1818	21.09	7.81	0.37	1935	20.60	7.62	0.37	2021	20.00	7.40	0.37	2093	18.40	6.81	0.37	2194	18.22	6.74	0.37	2215	15.03	5.56	0.37	2297
	82	64	21.51	19.15	0.89	1572	21.30	18.96	0.89	1587	21.07	18.75	0.89	1601	20.80	18.51	0.89	1614	20.59	18.33	0.89	1622	20.37	18.13	0.89	1676	20.09	17.88	0.89	1750	19.73	17.56	0.89	1868	19.27	17.15	0.89	1955	18.71	16.65	0.89	2028	17.21	15.32	0.89	2130	17.04	15.16	0.89	2152	14.06	12.51	0.89	2234
	82	68	21.95	16.90	0.77	1597	21.73	16.74	0.77	1612	21.50	16.55	0.77	1626	21.22	16.34	0.77	1639	21.01	16.18	0.77	1647	20.78	16.00	0.77	1701	20.50	15.78	0.77	1775	20.13	15.50	0.77	1894	19.66	15.14	0.77	1980	19.09	14.70	0.77	2054	17.56	13.52	0.77	2156	17.39	13.39	0.77	2177	14.34	11.04	0.77	2259
	82	72	22.17	14.41	0.65	1615	21.95	14.27	0.65	1629	21.71	14.11	0.65	1644	21.43	13.93	0.65	1657	21.22	13.79	0.65	1665	20.99	13.64	0.65	1719	20.70	13.46	0.65	1793	20.33	13.22	0.65	1911	19.86	12.91	0.65	1997	19.28	12.53	0.65	2071	17.74	11.53	0.65	2173	17.56	11.41	0.65	2194	14.49	9.42	0.65	2276
	82	75	22.55	11.95	0.53	1635	22.32	11.83	0.53	1649	22.08	11.70	0.53	1664	21.80	11.55	0.53	1677	21.58	11.44	0.53	1685	21.35	11.31	0.53	1739	21.05	11.16	0.53	1813	20.68	10.96	0.53	1931	20.20	10.70	0.53	2018	19.61	10.39	0.53	2091	18.04	9.56	0.53	2193	17.86	9.47	0.53	2214	14.73	7.81	0.53	2296
	82	79	22.86	9.37	0.41	1658	22.64	9.28	0.41	1672	22.39	9.18	0.41	1687	22.10	9.06	0.41	1700	21.88	8.97	0.41	1708	21.65	8.88	0.41	1762	21.35	8.75	0.41	1836	20.97	8.60	0.41	1954	20.48	8.40	0.41	2041	19.88	8.15	0.41	2114	18.29	7.50	0.41	2216	18.11	7.42	0.41	2238	14.94	6.13	0.41	2320
	84	64	21.73	19.77	0.91	1588	21.51	19.58	0.91	1602	21.28	19.36	0.91	1617	21.01	19.11	0.91	1630	20.80	18.93	0.91	1638	20.57	18.72	0.91	1693	20.29	18.46	0.91	1768	19.93	18.13	0.91	1887	19.46	17.71	0.91	1974	18.89	17.19	0.91	2049	17.38	15.82	0.91	2152	17.21	15.66	0.91	2173	14.20	12.92	0.91	2256
	84	68	22.17	17.96	0.81	1613	21.95	17.78	0.81	1628	21.71	17.59	0.81	1643	21.43	17.36	0.81	1656	21.22	17.19	0.81	1664	20.99	17.00	0.81	1718	20.70	16.77	0.81	1793	20.33	16.47	0.81	1913	19.86	16.09	0.81	2000	19.28	15.62	0.81	2074	17.74	14.37	0.81	2177	17.56	14.22	0.81	2199	14.49	11.73	0.81	2282
	84	72	22.61	15.60	0.69	1631	22.39	15.45	0.69	1645	22.15	15.28	0.69	1660	21.86	15.09	0.69	1673	21.65	14.94	0.69	1681	21.41	14.77	0.69	1736	21.11	14.57	0.69	1810	20.74	14.31	0.69	1930	20.26	13.98	0.69	2017	19.67	13.57	0.69	2091	18.09	12.48	0.69	2194	17.91	12.36	0.69	2216	14.78	10.20	0.69	2299
	84	75	22.77	12.98	0.57	1651	22.55	12.85	0.57	1666	22.30	12.71	0.57	1680	22.02	12.55	0.57	1693	21.80	12.42	0.57	1702	21.56	12.29	0.57	1756	21.26	12.12	0.57	1831	20.89	11.91	0.57	1950	20.40	11.63	0.57	2038	19.80	11.29	0.57	2112	18.22	10.39	0.57	2215	18.04	10.28	0.57	2236	14.88	8.48	0.57	2319
	84	79	23.09	10.39	0.45	1675	22.86	10.29	0.45	1689	22.61	10.18	0.45	1704	22.32	10.05	0.45	1717	22.10	9.95	0.45	1725	21.86	9.84	0.45	1780	21.56	9.70	0.45	1854	21.18	9.53	0.45	1974	20.68	9.31	0.45	2061	20.08	9.04	0.45	2135	18.47	8.31	0.45	2238	18.29	8.23	0.45	2260	15.09	6.79	0.45	2343
	86	64	21.94	19.97	0.91	1604	21.73	19.77	0.91	1618	21.49	19.56	0.91	1633	21.22	19.31	0.91	1647	21.01	19.11	0.91	1655	20.78	18.91	0.91	1710	20.49	18.65	0.91	1785	20.13	18.32	0.91	1906	19.66	17.89	0.91	1994	19.08	17.37	0.91	2069	17.56	15.98	0.91	2173	17.38	15.82	0.91	2195	14.34	13.05	0.91	2279
	86	68	22.39	19.03	0.85	1630	22.17	18.85	0.85	1644	21.93	18.64	0.85	1659	21.65	18.40	0.85	1672	21.43	18.22	0.85	1681	21.20	18.02	0.85	1736	20.91	17.77	0.85	1811	20.54	17.46	0.85	1932	20.06	17.05	0.85	2020	19.47	16.55	0.85	2095	17.91	15.23	0.85	2199	17.74	15.08	0.85	2221	14.63	12.44	0.85	2304
	86	72	22.84	16.67	0.73	1647	22.61	16.51	0.73	1662	22.37	16.33	0.73	1677	22.08	16.12	0.73	1690	21.86	15.96	0.73	1698	21.62	15.79	0.73	1753	21.33	15.57	0.73	1829	20.95	15.29	0.73	1949	20.46	14.93	0.73	2038	19.86	14.50	0.73	2112	18.27	13.34	0.73	2216	18.09	13.21	0.73	2238	14.92	10.89	0.73	2322
	86	75	23.00	14.03	0.61	1668	22.77	13.89	0.61	1682	22.53	13.74	0.61	1697	22.24	13.56	0.61	1710	22.02	13.43	0.61	1719	21.78	13.28	0.61	1774	21.48	13.10	0.61	1849	21.10	12.87	0.61	1970	20.60	12.57	0.61	2058	20.00	12.20	0.61	2133	18.40	11.22	0.61	2237	18.22	11.11	0.61	2259	15.03	9.17	0.61	2343
	86	79	23.32	11.43	0.49	1691	23.09	11.32	0.49	1706	22.84	11.19	0.49	1721	22.55	11.05	0.49	1734	22.32	10.94	0.49	1742	22.08	10.82	0.49	1797	21.78	10.67	0.49	1873	21.39	10.48	0.49	1994	20.89	10.24	0.49	2082	20.28	9.94	0.49	2157	18.66	9.14	0.49	2261	18.47	9.05	0.49	2282	15.24	7.47	0.49	2366
	88	64	22.16	20.17	0.91	1620	21.94	19.97	0.91	1635	21.71	19.75	0.91	1650	21.43	19.50	0.91	1663	21.22	19.31	0.91	1671	20.98	19.10	0.91	1727	20.69	18.83	0.91	1803	20.33	18.50	0.91	1925	19.85	18.07	0.91	2014	19.27	17.54	0.91	2090	17.73	16.14	0.91	2195	17.55	15.97	0.91	2217	14.48	13.18	0.91	2301
	88	68	22.62	20.13	0.89	1646	22.39	19.93	0.89	1661	22.15	19.71	0.89	1676	21.86	19.46	0.89	1689	21.65	19.27	0.89	1697	21.41	19.06	0.89	1753	21.12	18.79	0.89	1829	20.74	18.46	0.89	1951	20.26	18.03	0.89	2040	19.67	17.50	0.89	2116	18.09	16.10	0.89	2221	17.91	15.94	0.89	2243	14.78	13.15	0.89	2328
	88	72	23.07	17.76	0.77	1664	22.84	17.59	0.77	1678	22.59	17.40	0.77	1693	22.30	17.17	0.77	1707	22.08	17.00	0.77	1715	21.84	16.82	0.77	1771	21.54	16.59	0.77	1847	21.16	16.29	0.77	1969	20.66	15.91	0.77	2058	20.06	15.45	0.77	2133	18.46	14.21	0.77	2239	18.27	14.07	0.77	2261	15.07	11.61	0.77	2345
	88	75	23.23	15.10	0.65	1684	23.00	14.95	0.65	1699	22.75	14.79	0.65	1714	22.46	14.60	0.65	1728	22.24	14.45	0.65	1736	21.99	14.30	0.65	1792	21.69	14.10	0.65	1868	21.31	13.85	0.65	1990	20.81	13.53	0.65	2079	20.20	13.13	0.65	2154	18.59	12.08	0.65	2259	18.40	11.96	0.65	2281	15.18	9.87	0.65	2366
	88	79	23.56	12.48	0.53	1708	23.32	12.36	0.53	1723	23.07	12.23	0.53	1738	22.77	12.07	0.53	1751	22.55	11.95	0.53	1760	22.30	11.82	0.53	1815	21.99	11.66	0.53	1892	21.61	11.45	0.53	2014	21.10	11.18	0.53	2103	20.48	10.86	0.53	2178	18.85	9.99	0.53	2283	18.66	9.89	0.53	2305	15.39	8.16	0.53	2390
	90	64	22.39	20.37	0.91	1636	22.16	20.17	0.91	1651	21.92	19.95	0.91	1666	21.64	19.69	0.91	1680	21.43	19.50	0.91	1688	21.19	19.29	0.91	1744	20.90	19.02	0.91	1821	20.53	18.68	0.91	1944	20.05	18.25	0.91	2034	19.47	17.71	0.91	2111	17.91	16.30	0.91	2217	17.73	16.13	0.91	2239	14.63	13.31	0.91	2325
	90	68	22.84	20.79	0.91	1662	22.62	20.58	0.91	1677	22.37	20.36	0.91	1692	22.08	20.10	0.91	1706	21.86	19.90	0.91	1714	21.63	19.68	0.91	1771	21.33	19.41	0.91	1847	20.95	19.07	0.91	1971	20.46	18.62	0.91	2061	19.86	18.08	0.91	2137	18.27	16.63	0.91	2243	18.09	16.46	0.91	2265	14.93	13.58	0.91	2351
	90	72	23.30	18.87	0.81	1680	23.07	18.69	0.81	1695	22.82	18.48	0.81	1710	22.52	18.25	0.81	1724	22.30	18.06	0.81	1732	22.06	17.87	0.81	1788	21.75	17.62	0.81	1865	21.37	17.31	0.81	1988	20.87	16.90	0.81	2078	20.26	16.41	0.81	2155	18.64	15.10	0.81	2261	18.45	14.95	0.81	2283	15.22	12.33	0.81	2369
	90	75	23.46	16.19	0.69	1701	23.23	16.03	0.69	1716	22.98	15.85	0.69	1731	22.68	15.65	0.69	1745	22.46	15.50	0.69	1753	22.21	15.33	0.69	1809	21.91	15.12	0.69	1886	21.52	14.85	0.69	2010	21.02	14.50	0.69	2099	20.40	14.08	0.69	2176	18.77	12.95	0.69	2282	18.58	12.82	0.69	2304	15.33	10.58	0.69	2390
	90	79	23.79	13.56	0.57	1725	23.56	13.43	0.57	1740	23.30	13.28	0.57	1755	23.00	13.11	0.57	1769	22.77	12.98	0.57	1777	22.53	12.84	0.57	1834	22.21	12.66	0.57	1911	21.82	12.44	0.57	2034	21.31	12.15	0.57	2124	20.69	11.79	0.57	2200	19.03	10.85	0.57	2306	18.84	10.74	0.57	2328	15.55	8.86	0.57	2414

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	11.60	7.07	0.61	2097	10.32	6.30	0.61	2139	9.91	6.04	0.61	2161	9.41	5.74	0.61	2204
	70	68	12.07	5.92	0.49	2120	10.75	5.27	0.49	2163	10.32	5.06	0.49	2184	9.80	4.80	0.49	2227
	72	64	11.96	7.77	0.65	2118	10.64	6.92	0.65	2161	10.21	6.64	0.65	2182	9.70	6.31	0.65	2226
	72	68	12.32	6.53	0.53	2142	10.97	5.81	0.53	2184	10.53	5.58	0.53	2206	10.00	5.30	0.53	2250
	72	72	12.53	5.14	0.41	2158	11.15	4.57	0.41	2201	10.71	4.39	0.41	2222	10.17	4.17	0.41	2266
	73	64	12.20	8.42	0.69	2139	10.86	7.49	0.69	2182	10.42	7.19	0.69	2204	9.90	6.83	0.69	2249
	73	68	12.57	7.17	0.57	2163	11.19	6.38	0.57	2206	10.74	6.12	0.57	2228	10.20	5.82	0.57	2273
	73	72	12.79	5.75	0.45	2180	11.38	5.12	0.45	2223	10.92	4.92	0.45	2245	10.38	4.67	0.45	2289
	75	64	12.45	9.09	0.73	2161	11.08	8.09	0.73	2205	10.64	7.76	0.73	2227	10.10	7.38	0.73	2271
	75	68	12.83	7.83	0.61	2185	11.42	6.97	0.61	2229	10.96	6.69	0.61	2251	10.41	6.35	0.61	2296
	75	72	13.05	6.39	0.49	2202	11.61	5.69	0.49	2245	11.15	5.46	0.49	2267	10.59	5.19	0.49	2312
	75	75	13.23	4.90	0.37	2221	11.77	4.36	0.37	2265	11.30	4.18	0.37	2287	10.74	3.97	0.37	2332
	77	64	12.83	9.88	0.77	2183	11.42	8.79	0.77	2227	10.96	8.44	0.77	2249	10.42	8.02	0.77	2294
	77	68	13.23	8.60	0.65	2207	11.77	7.65	0.65	2251	11.30	7.35	0.65	2274	10.74	6.98	0.65	2319
	77	72	13.45	7.13	0.53	2224	11.97	6.34	0.53	2268	11.49	6.09	0.53	2290	10.92	5.79	0.53	2335
	77	75	13.64	5.59	0.41	2244	12.14	4.98	0.41	2288	11.65	4.78	0.41	2310	11.07	4.54	0.41	2355
	79	64	13.23	10.72	0.81	2205	11.77	9.54	0.81	2249	11.30	9.16	0.81	2272	10.74	8.70	0.81	2317
	79	68	13.64	9.41	0.69	2230	12.14	8.37	0.69	2274	11.65	8.04	0.69	2297	11.07	7.64	0.69	2342
	79	72	13.87	7.90	0.57	2247	12.34	7.03	0.57	2291	11.85	6.75	0.57	2313	11.26	6.42	0.57	2359
	79	75	14.06	6.33	0.45	2266	12.51	5.63	0.45	2311	12.01	5.41	0.45	2333	11.41	5.14	0.45	2379
	79	79	14.29	4.71	0.33	2289	12.71	4.20	0.33	2333	12.21	4.03	0.33	2356	11.60	3.83	0.33	2402
	81	64	13.50	11.48	0.85	2227	12.02	10.21	0.85	2272	11.53	9.80	0.85	2295	10.96	9.31	0.85	2341
	81	66	13.78	10.88	0.79	2237	12.26	9.69	0.79	2282	11.77	9.30	0.79	2305	11.18	8.83	0.79	2351
	81	68	13.91	10.16	0.73	2252	12.38	9.04	0.73	2297	11.89	8.68	0.73	2320	11.29	8.24	0.73	2366
	81	72	14.15	8.63	0.61	2269	12.59	7.68	0.61	2314	12.09	7.37	0.61	2337	11.49	7.01	0.61	2383
	81	75	14.35	7.03	0.49	2289	12.77	6.26	0.49	2334	12.26	6.01	0.49	2357	11.65	5.71	0.49	2403
	81	79	14.58	5.39	0.37	2312	12.97	4.80	0.37	2357	12.46	4.61	0.37	2380	11.83	4.38	0.37	2426
	82	64	13.64	12.14	0.89	2250	12.14	10.80	0.89	2295	11.65	10.37	0.89	2318	11.07	9.85	0.89	2364
	82	68	13.91	10.71	0.77	2275	12.38	9.53	0.77	2320	11.89	9.15	0.77	2343	11.29	8.70	0.77	2390
	82	72	14.05	9.13	0.65	2292	12.51	8.13	0.65	2337	12.01	7.80	0.65	2360	11.41	7.41	0.65	2407
	82	75	14.29	7.57	0.53	2312	12.72	6.74	0.53	2357	12.21	6.47	0.53	2380	11.60	6.15	0.53	2427
	82	79	14.49	5.94	0.41	2335	12.90	5.29	0.41	2381	12.38	5.08	0.41	2404	11.76	4.82	0.41	2450
	84	64	13.77	12.53	0.91	2272	12.26	11.15	0.91	2318	11.77	10.71	0.91	2341	11.18	10.17	0.91	2388
	84	68	14.05	11.38	0.81	2298	12.51	10.13	0.81	2343	12.01	9.73	0.81	2366	11.41	9.24	0.81	2413
	84	72	14.33	9.89	0.69	2315	12.76	8.80	0.69	2360	12.25	8.45	0.69	2384	11.63	8.03	0.69	2431
	84	75	14.43	8.23	0.57	2335	12.85	7.32	0.57	2381	12.33	7.03	0.57	2404	11.72	6.68	0.57	2451
	84	79	14.64	6.59	0.45	2359	13.03	5.86	0.45	2404	12.51	5.63	0.45	2428	11.88	5.35	0.45	2475
	86	64	13.91	12.66	0.91	2295	12.38	11.27	0.91	2341	11.88	10.81	0.91	2364	11.29	10.27	0.91	2412
	86	68	14.19	12.06	0.85	2320	12.63	10.74	0.85	2367	12.13	10.31	0.85	2390	11.52	9.79	0.85	2438
	86	72	14.48	10.57	0.73	2338	12.88	9.41	0.73	2384	12.37	9.03	0.73	2408	11.75	8.58	0.73	2455
	86	75	14.58	8.89	0.61	2359	12.97	7.91	0.61	2405	12.46	7.60	0.61	2428	11.83	7.22	0.61	2476
	86	79	14.78	7.24	0.49	2382	13.16	6.45	0.49	2428	12.63	6.19	0.49	2452	12.00	5.88	0.49	2499
	88	64	14.05	12.78	0.91	2318	12.50	11.38	0.91	2364	12.00	10.92	0.91	2388	11.40	10.38	0.91	2436
	88	68	14.33	12.76	0.89	2344	12.76	11.35	0.89	2390	12.25	10.90	0.89	2414	11.64	10.36	0.89	2462
	88	72	14.62	11.26	0.77	2361	13.01	10.02	0.77	2408	12.49	9.62	0.77	2432	11.87	9.14	0.77	2480
	88	75	14.72	9.57	0.65	2382	13.10	8.52	0.65	2429	12.58	8.18	0.65	2452	11.95	7.77	0.65	2500
	88	79	14.93	7.91	0.53	2406	13.29	7.04	0.53	2453	12.76	6.76	0.53	2476	12.12	6.42	0.53	2524
	90	64	14.19	12.91	0.91	2341	12.63	11.49	0.91	2388	12.12	11.03	0.91	2412	11.52	10.48	0.91	2460
	90	68	14.48	13.18	0.91	2367	12.89	11.73	0.91	2414	12.37	11.26	0.91	2438	11.75	10.69	0.91	2487
	90	72	14.77	11.96	0.81	2385	13.14	10.65	0.81	2432	12.62	10.22	0.81	2456	11.99	9.71	0.81	2504
	90	75	14.87	10.26	0.69	2406	13.24	9.13	0.69	2453	12.71	8.77	0.69	2477	12.07	8.33	0.69	2525
	90	79	15.08	8.60	0.57	2430	13.42	7.65	0.57	2477	12.88	7.34	0.57	2501	12.24	6.98	0.57	2550

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling up to 2 indoor units series)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	Cooling Operation PERFORMANCE DATA – OUTDOOR DB (°F): 5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	17.95	10.95	0.61	1451	17.77	10.84	0.61	1465	17.58	10.72	0.61	1478	17.35	10.58	0.61	1490	17.18	10.48	0.61	1497	16.99	10.37	0.61	1547	16.76	10.22	0.61	1616	16.46	10.04	0.61	1725	16.08	9.81	0.61	1805	15.61	9.52	0.61	1872	14.51	8.85	0.61	1966	14.37	8.77	0.61	1986	11.85	7.23	0.61	2062
	70	68	18.69	9.16	0.49	1475	18.50	9.07	0.49	1488	18.30	8.97	0.49	1501	18.07	8.85	0.49	1513	17.89	8.76	0.49	1521	17.69	8.67	0.49	1571	17.45	8.55	0.49	1639	17.14	8.40	0.49	1748	16.74	8.20	0.49	1828	16.25	7.96	0.49	1896	15.11	7.41	0.49	1990	14.96	7.33	0.49	2010	12.34	6.05	0.49	2086
	72	64	18.50	12.03	0.65	1466	18.32	11.91	0.65	1479	18.12	11.78	0.65	1493	17.89	11.63	0.65	1505	17.71	11.51	0.65	1513	17.52	11.39	0.65	1563	17.28	11.23	0.65	1632	16.97	11.03	0.65	1742	16.57	10.77	0.65	1823	16.09	10.46	0.65	1891	14.96	9.73	0.65	1986	14.81	9.63	0.65	2006	12.22	7.94	0.65	2083
	72	68	19.07	10.11	0.53	1490	18.88	10.01	0.53	1503	18.67	9.90	0.53	1517	18.44	9.77	0.53	1529	18.25	9.67	0.53	1536	18.05	9.57	0.53	1587	17.80	9.44	0.53	1656	17.49	9.27	0.53	1766	17.08	9.05	0.53	1847	16.58	8.79	0.53	1915	15.42	8.17	0.53	2010	15.27	8.09	0.53	2030	12.60	6.68	0.53	2107
	72	72	19.39	7.95	0.41	1506	19.20	7.87	0.41	1519	18.99	7.79	0.41	1533	18.75	7.69	0.41	1545	18.56	7.61	0.41	1553	18.36	7.53	0.41	1603	18.11	7.42	0.41	1672	17.79	7.29	0.41	1782	17.37	7.12	0.41	1863	16.86	6.91	0.41	1931	15.68	6.43	0.41	2026	15.53	6.37	0.41	2046	12.81	5.25	0.41	2123
	73	64	18.88	13.03	0.69	1481	18.69	12.90	0.69	1494	18.49	12.76	0.69	1508	18.25	12.59	0.69	1520	18.07	12.47	0.69	1528	17.88	12.33	0.69	1579	17.63	12.16	0.69	1648	17.32	11.95	0.69	1760	16.91	11.67	0.69	1841	16.42	11.33	0.69	1910	15.27	10.54	0.69	2006	15.12	10.43	0.69	2027	12.47	8.61	0.69	2104
	73	68	19.46	11.09	0.57	1505	19.27	10.98	0.57	1518	19.06	10.86	0.57	1532	18.81	10.72	0.57	1544	18.63	10.62	0.57	1552	18.42	10.50	0.57	1603	18.17	10.36	0.57	1672	17.85	10.17	0.57	1784	17.43	9.93	0.57	1865	16.92	9.64	0.57	1934	15.74	8.97	0.57	2030	15.58	8.88	0.57	2051	12.85	7.33	0.57	2128
	73	72	19.79	8.91	0.45	1521	19.59	8.82	0.45	1535	19.38	8.72	0.45	1548	19.13	8.61	0.45	1561	18.94	8.52	0.45	1568	18.74	8.43	0.45	1619	18.48	8.31	0.45	1689	18.15	8.17	0.45	1800	17.72	7.98	0.45	1882	17.21	7.74	0.45	1951	16.00	7.20	0.45	2047	15.84	7.13	0.45	2067	13.07	5.88	0.45	2144
	75	64	19.27	14.06	0.73	1496	19.07	13.92	0.73	1509	18.87	13.77	0.73	1523	18.63	13.60	0.73	1536	18.44	13.46	0.73	1543	18.24	13.32	0.73	1595	17.99	13.13	0.73	1665	17.67	12.90	0.73	1778	17.26	12.60	0.73	1860	16.75	12.23	0.73	1930	15.58	11.37	0.73	2027	15.42	11.26	0.73	2047	12.73	9.29	0.73	2125
	75	68	19.86	12.11	0.61	1520	19.66	11.99	0.61	1534	19.44	11.86	0.61	1547	19.20	11.71	0.61	1560	19.01	11.59	0.61	1568	18.80	11.47	0.61	1619	18.54	11.31	0.61	1689	18.21	11.11	0.61	1802	17.78	10.85	0.61	1884	17.27	10.53	0.61	1954	16.06	9.80	0.61	2051	15.90	9.70	0.61	2071	13.12	8.00	0.61	2149
	75	72	20.19	9.89	0.49	1536	19.99	9.80	0.49	1550	19.78	9.69	0.49	1564	19.52	9.57	0.49	1576	19.33	9.47	0.49	1584	19.12	9.37	0.49	1635	18.85	9.24	0.49	1706	18.52	9.08	0.49	1818	18.09	8.86	0.49	1901	17.56	8.60	0.49	1970	16.33	8.00	0.49	2067	16.17	7.92	0.49	2088	13.34	6.54	0.49	2166
	75	75	20.48	7.58	0.37	1556	20.27	7.50	0.37	1570	20.05	7.42	0.37	1583	19.79	7.32	0.37	1596	19.60	7.25	0.37	1603	19.39	7.17	0.37	1655	19.12	7.07	0.37	1725	18.78	6.95	0.37	1838	18.34	6.79	0.37	1920	17.81	6.59	0.37	1990	16.56	6.13	0.37	2087	16.39	6.07	0.37	2107	13.52	5.00	0.37	2185
	77	64	19.86	15.29	0.77	1511	19.66	15.14	0.77	1525	19.45	14.98	0.77	1539	19.20	14.78	0.77	1551	19.01	14.64	0.77	1559	18.80	14.48	0.77	1611	18.54	14.28	0.77	1682	18.22	14.03	0.77	1796	17.79	13.70	0.77	1879	17.27	13.30	0.77	1949	16.06	12.37	0.77	2047	15.90	12.24	0.77	2068	13.12	10.10	0.77	2147
	77	68	20.47	13.31	0.65	1535	20.27	13.17	0.65	1549	20.05	13.03	0.65	1563	19.79	12.86	0.65	1576	19.59	12.74	0.65	1583	19.38	12.60	0.65	1635	19.11	12.42	0.65	1706	18.77	12.20	0.65	1820	18.33	11.92	0.65	1903	17.80	11.57	0.65	1974	16.55	10.76	0.65	2072	16.39	10.65	0.65	2092	13.52	8.79	0.65	2171
	77	72	20.82	11.03	0.53	1552	20.61	10.92	0.53	1566	20.39	10.81	0.53	1580	20.13	10.67	0.53	1592	19.93	10.56	0.53	1600	19.71	10.45	0.53	1652	19.44	10.30	0.53	1723	19.09	10.12	0.53	1837	18.65	9.88	0.53	1920	18.10	9.59	0.53	1990	16.84	8.92	0.53	2088	16.67	8.83	0.53	2109	13.75	7.29	0.53	2188
	77	75	21.11	8.65	0.41	1572	20.90	8.57	0.41	1585	20.67	8.48	0.41	1599	20.41	8.37	0.41	1612	20.21	8.28	0.41	1620	19.99	8.19	0.41	1672	19.71	8.08	0.41	1743	19.36	7.94	0.41	1856	18.91	7.75	0.41	1939	18.36	7.53	0.41	2010	17.07	7.00	0.41	2108	16.90	6.93	0.41	2128	13.94	5.72	0.41	2207
	79	64	20.48	16.59	0.81	1526	20.27	16.42	0.81	1540	20.05	16.24	0.81	1554	19.80	16.03	0.81	1567	19.60	15.88	0.81	1575	19.39	15.70	0.81	1627	19.12	15.49	0.81	1699	18.78	15.21	0.81	1814	18.34	14.86	0.81	1898	17.81	14.42	0.81	1969	16.56	13.41	0.81	2068	16.39	13.28	0.81	2089	13.52	10.96	0.81	2168
	79	68	21.10	14.56	0.69	1551	20.89	14.42	0.69	1565	20.67	14.26	0.69	1579	20.40	14.08	0.69	1591	20.20	13.94	0.69	1599	19.98	13.79	0.69	1652	19.70	13.60	0.69	1724	19.36	13.35	0.69	1838	18.90	13.04	0.69	1922	18.35	12.66	0.69	1994	17.07	11.78	0.69	2093	16.90	11.66	0.69	2113	13.94	9.62	0.69	2193
	79	72	21.46	12.23	0.57	1568	21.25	12.11	0.57	1582	21.02	11.98	0.57	1596	20.75	11.83	0.57	1608	20.54	11.71	0.57	1616	20.32	11.58	0.57	1669	20.04	11.42	0.57	1740	19.68	11.22	0.57	1855	19.22	10.96	0.57	1939	18.66	10.64	0.57	2010	17.36	9.89	0.57	2109	17.18	9.79	0.57	2130	14.18	8.08	0.57	2210
	79	75	21.76	9.79	0.45	1587	21.55	9.70	0.45	1601	21.31	9.59	0.45	1616	21.04	9.47	0.45	1628	20.83	9.37	0.45	1636	20.60	9.27	0.45	1688	20.32	9.14	0.45	1760	19.96	8.98	0.45	1875	19.49	8.77	0.45	1959	18.92	8.52	0.45	2030	17.60	7.92	0.45	2129	17.42	7.84	0.45	2150	14.37	6.47	0.45	2230
	79	79	22.11	7.30	0.33	1610	21.89	7.22	0.33	1624	21.65	7.15	0.33	1638	21.37	7.05	0.33	1651	21.16	6.98	0.33	1659	20.93	6.91	0.33	1711	20.64	6.81	0.33	1783	20.28	6.69	0.33	1898	19.80	6.54	0.33	1982	19.23	6.34	0.33	2053	17.88	5.90	0.33	2152	17.70	5.84	0.33	2173	14.60	4.82	0.33	2252
	81	64	20.89	17.76	0.85	1542	20.69	17.58	0.85	1556	20.46	17.39	0.85	1570	20.20	17.17	0.85	1583	20.00	17.00	0.85	1591	19.78	16.81	0.85	1643	19.51	16.58	0.85	1716	19.16	16.29	0.85	1832	18.71	15.91	0.85	1917	18.17	15.44	0.85	1989	16.90	14.36	0.85	2089	16.73	14.22	0.85	2110	13.80	11.73	0.85	2190
	81	66	21.32	16.84	0.79	1552	21.11	16.68	0.79	1566	20.88	16.49	0.79	1580	20.61	16.28	0.79	1593	20.41	16.12	0.79	1601	20.19	15.95	0.79	1653	19.91	15.73	0.79	1726	19.55	15.45	0.79	1842	19.10	15.09	0.79	1927	18.54	14.65	0.79	1999	17.24	13.62	0.79	2099	17.07	13.49	0.79	2120	14.08	11.13	0.79	2200
	81	68	21.53	15.72	0.73	1567	21.32	15.56	0.73	1581	21.09	15.39	0.73	1595	20.82	15.20	0.73	1608	20.61	15.05	0.73	1616	20.39	14.88	0.73	1668	20.11	14.68	0.73	1741	19.75	14.42	0.73	1857	19.29	14.08	0.73	1942	18.73	13.67	0.73	2014	17.41	12.71	0.73	2114	17.24	12.59	0.73	2135	14.22	10.38	0.73	2215
	81	72	21.90	13.36	0.61	1584	21.68	13.23	0.61	1598	21.45	13.08	0.61	1612	21.17	12.91	0.61	1625	20.96	12.79	0.61	1633	20.73	12.65	0.61	1685	20.45	12.47	0.61	1758	20.09	12.25	0.61	1874	19.62	11.97	0.61	1959	19.04	11.62	0.61	2031	17.71	10.80	0.61	2131	17.53	10.70	0.61	2152	14.47	8.82	0.61	2232
	81	75	22.21	10.88	0.49	1604	21.99	10.77	0.49	1618	21.75	10.66	0.49	1632	21.47	10.52	0.49	1645	21.26	10.42	0.49	1653	21.02	10.30	0.49	1705	20.73	10.16	0.49	1778	20.37	9.98	0.49	1894	19.89	9.75	0.49	1979	19.31	9.46	0.49	2051	17.96	8.80	0.49	2151	17.78	8.71	0.49	2172	14.67	7.19	0.49	2252
	81	79	22.56	8.35	0.37	1627	22.34	8.26	0.37	1641	22.09	8.18	0.37	1655	21.81	8.07	0.37	1668	21.60	7.99	0.37	1676	21.36	7.90	0.37	1728	21.07	7.79	0.37	1801	20.69	7.66	0.37	1917	20.21	7.48	0.37	2002	19.62	7.26	0.37	2074	18.25	6.75	0.37	2174	18.06	6.68	0.37	2195	14.90	5.51	0.37	2275
	82	64	21.10	18.78	0.89	1557	20.89	18.60	0.89	1571	20.67	18.39	0.89	1586	20.40	18.16	0.89	1598	20.20	17.98	0.89	1606	19.98	17.78	0.89	1660	19.70	17.54	0.89	1733	19.36	17.23	0.89	1850	18.90	16.82	0.89	1936	18.35	16.33	0.89	2009	17.07	15.19	0.89	2110	16.90	15.04	0.89	2131	13.94	12.41	0.89	2212
	82	68	21.53	16.58	0.77	1582	21.32	16.42	0.77	1596	21.09	16.24	0.77	1611	20.82	16.03	0.77	1624	20.61	15.87	0.77	1632	20.39	15.70	0.77	1685	20.11	15.48	0.77	1758	19.75	15.21	0.77	1876	19.29	14.85	0.77	1961	18.73	14.42	0.77	2034	17.41	13.41	0.77	2135	17.24	13.28	0.77	2156	14.22	10.95	0.77	2237
	82	72	21.75	14.14	0.65	1599	21.53	14.00	0.65	1614	21.30	13.84	0.65	1628	21.03	13.67	0.65	1641	20.82	13.53	0.65	1649	20.59	13.38	0.65	1702	20.31	13.20	0.65	1776	19.95	12.97	0.65	1893	19.48	12.66	0.65	1978	18.91	12.29	0.65	2051	17.59	11.43	0.65	2152	17.41	11.32	0.65	2173	14.37	9.34	0.65	2255
	82	75	22.12	11.72	0.53	1620	21.90	11.61	0.53	1634	21.66	11.48	0.53	1648	21.38	11.33	0.53	1661	21.17	11.22	0.53	1669	20.94	11.10	0.53	1723	20.65	10.95	0.53	1796	20.29	10.75	0.53	1913	19.81	10.50	0.53	1999	19.23	10.19	0.53	2071	17.89	9.48	0.53	2172	17.71	9.39	0.53	2193	14.61	7.74	0.53	2275
	82	79	22.43	9.20	0.41	1643	22.21	9.10	0.41	1657	21.96	9.01	0.41	1671	21.68	8.89	0.41	1684	21.47	8.80	0.41	1692	21.23	8.71	0.41	1746	20.94	8.59	0.41	1819	20.57	8.43	0.41	1936	20.09	8.24	0.41	2022	19.50	8.00	0.41	2094	18.14	7.44	0.41	2195	17.96	7.36	0.41	2217	14.81	6.07	0.41	2298
	84	64	21.31	19.40	0.91	1572	21.10	19.20	0.91	1587	20.87	18.99	0.91	1601	20.61	18.75	0.91	1614	20.40	18.56	0.91	1623	20.18	18.36	0.91	1677	19.90	18.11	0.91	1750	19.55	17.79	0.91	1869	19.09	17.37	0.91	1955	18.53	16.87	0.91	2029	17.24	15.69	0.91	2131	17.06	15.53	0.91	2152	14.08	12.81	0.91	2234
	84	68	21.75	17.62	0.81	1598	21.53	17.44	0.81	1612	21.30	17.25	0.81	1627	21.03	17.03	0.81	1640	20.82	16.86	0.81	1648	20.59	16.68	0.81	1702	20.31	16.45	0.81	1776	19.95	16.16	0.81	1894	19.48	15.78	0.81	1981	18.91	15.32	0.81	2054	17.59	14.25	0.81	2156	17.41	14.10	0.81	2178	14.37	11.64	0.81	2260
	84	72	22.18	15.31	0.69	1615	21.96	15.16	0.69	1630	21.72	14.99	0.69	1644	21.45	14.80	0.69	1657	21.23	14.65	0.69	1665	21.00	14.49	0.69	1719	20.71	14.29	0.69	1793	20.35	14.04	0.69	1912	19.87	13.71	0.69	1998	19.29	13.31	0.69	2072	17.94	12.38	0.69	2174	17.76	12.26	0.69	2195	14.65	10.11	0.69	2277
	84	75	22.34	12.73	0.57	1636	22.12	12.61	0.57	1650	21.88	12.47	0.57	1665	21.60	12.31	0.57	1678	21.38	12.19	0.57	1686	21.15	12.06	0.57	1740	20.86	11.89	0.57	1814	20.49	11.68	0.57	1932	20.01	11.41	0.57	2019	19.43	11.07	0.57	2092	18.07	10.30	0.57	2194	17.89	10.20	0.57	2215	14.76	8.41	0.57	2297
	84	79	22.65	10.19	0.45	1659	22.43	10.09	0.45	1674	22.18	9.98	0.45	1688	21.90	9.85	0.45	1701	21.68	9.76	0.45	1709	21.45	9.65	0.45	1763	21.15	9.52	0.45	1837	20.78	9.35	0.45	1956	20.29	9.13	0.45	2042	19.70	8.86	0.45	2115	18.32	8.24	0.45	2217	18.14	8.16	0.45	2239	14.96	6.73	0.45	2321
	86	64	21.53	19.59	0.91	1588	21.31	19.40	0.91	1603	21.08	19.18	0.91	1617	20.81	18.94	0.91	1631	20.61	18.75	0.91	1639	20.38	18.55	0.91	1693	20.10	18.29	0.91	1768	19.74	17.97	0.91	1888	19.28	17.55	0.91	1975	18.72	17.03	0.91	2049	17.41	15.84	0.91	2152	17.24	15.68	0.91	2174	14.22	12.94	0.91	2257
	86	68	21.97	18.67	0.85	1614	21.75	18.49	0.85	1628	21.51	18.29	0.85	1643	21.24	18.05	0.85	1656	21.03	17.87	0.85	1665	20.80	17.68	0.85	1719	20.51	17.43	0.85	1794	20.15	17.12	0.85	1913	19.67	16.72	0.85	2001	19.10	16.24	0.85	2075	17.76	15.10	0.85	2178	17.59	14.95	0.85	2199	14.51	12.33	0.85	2282
	86	72	22.41	16.36	0.73	1631	22.18	16.19	0.73	1646	21.94	16.02	0.73	1661	21.66	15.81	0.73	1674	21.45	15.66	0.73	1682	21.21	15.49	0.73	1737	20.92	15.27	0.73	1811	20.55	15.00	0.73	1931	20.07	14.65	0.73	2018	19.48	14.22	0.73	2092	18.12	13.23	0.73	2195	17.94	13.10	0.73	2217	14.80	10.80	0.73	2300
	86	75	22.56	13.76	0.61	1652	22.34	13.63	0.61	1667	22.10	13.48	0.61	1681	21.81	13.31	0.61	1694	21.60	13.17	0.61	1703	21.36	13.03	0.61	1757	21.07	12.85	0.61	1832	20.69	12.62	0.61	1951	20.21	12.33	0.61	2039	19.62	11.97	0.61	2113	18.25	11.13	0.61	2216	18.06	11.02	0.61	2237	14.90	9.09	0.61	2320
	86	79	22.88	11.21	0.49	1676	22.65	11.10	0.49	1690	22.41	10.98	0.49	1705	22.12	10.84	0.49	1718	21.90	10.73	0.49	1726	21.66	10.61	0.49	1781	21.36	10.47	0.49	1856	20.98	10.28	0.49	1975	20.49	10.04	0.49	2062	19.90	9.75	0.49	2137	18.50	9.07	0.49	2240	18.32	8.98	0.49	2261	15.11	7.40	0.49	2344
	88	64	21.74	19.79	0.91	1604	21.53	19.59	0.91	1619	21.29	19.38	0.91	1634	21.02	19.13	0.91	1647	20.81	18.94	0.91	1655	20.58	18.73	0.91	1710	20.30	18.47	0.91	1786	19.94	18.15	0.91	1906	19.47	17.72	0.91	1995	18.91	17.21	0.91	2070	17.58	16.00	0.91	2173	17.41	15.84	0.91	2195	14.36	13.07	0.91	2279
	88	68	22.19	19.75	0.89	1630	21.97	19.55	0.89	1645	21.73	19.34	0.89	1660	21.45	19.09	0.89	1673	21.24	18.90	0.89	1681	21.00	18.69	0.89	1736	20.71	18.44	0.89	1812	20.35	18.11	0.89	1932	19.87	17.69	0.89	2021	19.29	17.17	0.89	2096	17.94	15.97	0.89	2200	17.76	15.81	0.89	2221	14.65	13.04	0.89	2305
	88	72	22.63	17.42	0.77	1648	22.41	17.25	0.77	1662	22.16	17.06	0.77	1677	21.88	16.85	0.77	1691	21.66	16.68	0.77	1699	21.42	16.50	0.77	1754	21.13	16.27	0.77	1829	20.76	15.98	0.77	1950	20.27	15.61	0.77	2038	19.68	15.15	0.77	2113	18.30	14.09	0.77	2217	18.12	13.95	0.77	2239	14.95	11.51	0.77	2323
	88	75	22.79	14.81	0.65	1669	22.56	14.67	0.65	1683	22.32	14.51	0.65	1698	22.03	14.32	0.65	1711	21.81	14.18	0.65	1720	21.58	14.02	0.65	1775	21.28	13.83	0.65	1850	20.90	13.59	0.65	1971	20.41	13.27	0.65	2059	19.82	12.88	0.65	2134	18.43	11.98	0.65	2238	18.25	11.86	0.65	2260	15.05	9.78	0.65	2344
	88	79	23.11	12.25	0.53	1693	22.88	12.13	0.53	1707	22.63	11.99	0.53	1722	22.34	11.84	0.53	1735	22.12	11.72	0.53	1744	21.88	11.60	0.53	1799	21.58	11.44	0.53	1874	21.19	11.23	0.53	1995	20.70	10.97	0.53	2083	20.09	10.65	0.53	2158	18.69	9.90	0.53	2262	18.50	9.81	0.53	2284	15.26	8.09	0.53	2368
	90	64	21.96	19.98	0.91	1620	21.74	19.79	0.91	1635	21.51	19.57	0.91	1650	21.23	19.32	0.91	1663	21.02	19.13	0.91	1672	20.79	18.92	0.91	1727	20.50	18.66	0.91	1804	20.14	18.33	0.91	1925	19.67	17.90	0.91	2015	19.10	17.38	0.91	2090	17.76	16.16	0.91	2195	17.58	16.00	0.91	2217	14.50	13.20	0.91	2302
	90	68	22.41	20.39	0.91	1646	22.19	20.19	0.91	1661	21.94	19.97	0.91	1676	21.66	19.71	0.91	1690	21.45	19.52	0.91	1698	21.21	19.31	0.91	1754	20.92	19.04	0.91	1830	20.55	18.70	0.91	1952	20.07	18.26	0.91	2041	19.49	17.73	0.91	2116	18.12	16.49	0.91	2222	17.94	16.33	0.91	2244	14.80	13.47	0.91	2328
	90	72	22.86	18.51	0.81	1664	22.63	18.33	0.81	1679	22.38	18.13	0.81	1694	22.10	17.90	0.81	1707	21.88	17.72	0.81	1716	21.64	17.53	0.81	1771	21.34	17.29	0.81	1848	20.96	16.98	0.81	1970	20.47	16.58	0.81	2059	19.88	16.10	0.81	2134	18.48	14.97	0.81	2239	18.30	14.82	0.81	2261	15.10	12.23	0.81	2346
	90	75	23.02	15.88	0.69	1685	22.79	15.72	0.69	1700	22.54	15.55	0.69	1715	22.25	15.35	0.69	1728	22.03	15.20	0.69	1737	21.79	15.04	0.69	1792	21.49	14.83	0.69	1869	21.11	14.57	0.69	1991	20.62	14.22	0.69	2080	20.02	13.81	0.69	2155	18.61	12.84	0.69	2260	18.43	12.72	0.69	2282	15.20	10.49	0.69	2367
	90	79	23.34	13.30	0.57	1709	23.11	13.17	0.57	1724	22.86	13.03	0.57	1739	22.56	12.86	0.57	1753	22.34	12.73	0.57	1761	22.10	12.59	0.57	1817	21.79	12.42	0.57	1893	21.41	12.20	0.57	2015	20.90	11.92	0.57	2104	20.30	11.57	0.57	2180	18.87	10.76	0.57	2285	18.69	10.65	0.57	2307	15.42	8.79	0.57	2391

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	11.50	7.01	0.61	2077	10.23	6.24	0.61	2118	9.83	5.99	0.61	2140	9.33	5.69	0.61	2183
	70	68	11.97	5.87	0.49	2100	10.66	5.22	0.49	2142	10.23	5.01	0.49	2163	9.72	4.76	0.49	2206
	72	64	11.85	7.71	0.65	2098	10.55	6.86	0.65	2140	10.13	6.58	0.65	2161	9.62	6.25	0.65	2205
	72	68	12.22	6.48	0.53	2121	10.87	5.76	0.53	2163	10.44	5.53	0.53	2185	9.92	5.26	0.53	2228
	72	72	12.43	5.09	0.41	2137	11.06	4.53	0.41	2180	10.62	4.35	0.41	2201	10.09	4.14	0.41	2245
	73	64	12.10	8.35	0.69	2119	10.77	7.43	0.69	2161	10.34	7.13	0.69	2183	9.82	6.77	0.69	2227
	73	68	12.47	7.11	0.57	2143	11.10	6.32	0.57	2185	10.65	6.07	0.57	2207	10.12	5.77	0.57	2251
	73	72	12.68	5.71	0.45	2159	11.28	5.08	0.45	2202	10.83	4.87	0.45	2223	10.29	4.63	0.45	2267
	75	64	12.34	9.01	0.73	2140	10.99	8.02	0.73	2183	10.55	7.70	0.73	2205	10.02	7.31	0.73	2249
	75	68	12.72	7.76	0.61	2164	11.32	6.91	0.61	2207	10.87	6.63	0.61	2229	10.33	6.30	0.61	2274
	75	72	12.94	6.34	0.49	2181	11.51	5.64	0.49	2224	11.05	5.42	0.49	2246	10.50	5.15	0.49	2290
	75	75	13.12	4.85	0.37	2200	11.68	4.32	0.37	2243	11.21	4.15	0.37	2265	10.65	3.94	0.37	2309
	77	64	12.73	9.80	0.77	2162	11.33	8.72	0.77	2205	10.87	8.37	0.77	2227	10.33	7.95	0.77	2272
	77	68	13.12	8.52	0.65	2186	11.67	7.59	0.65	2230	11.21	7.28	0.65	2252	10.65	6.92	0.65	2297
	77	72	13.34	7.07	0.53	2203	11.87	6.29	0.53	2246	11.40	6.04	0.53	2268	10.83	5.74	0.53	2313
	77	75	13.52	5.55	0.41	2222	12.04	4.94	0.41	2266	11.56	4.74	0.41	2288	10.98	4.50	0.41	2333
	79	64	13.12	10.63	0.81	2184	11.68	9.46	0.81	2227	11.21	9.08	0.81	2250	10.65	8.63	0.81	2295
	79	68	13.52	9.33	0.69	2208	12.03	8.30	0.69	2252	11.55	7.97	0.69	2275	10.97	7.57	0.69	2320
	79	72	13.75	7.84	0.57	2225	12.24	6.98	0.57	2269	11.75	6.70	0.57	2291	11.16	6.36	0.57	2337
	79	75	13.94	6.27	0.45	2245	12.41	5.58	0.45	2289	11.91	5.36	0.45	2311	11.32	5.09	0.45	2356
	79	79	14.17	4.67	0.33	2268	12.61	4.16	0.33	2312	12.10	3.99	0.33	2334	11.50	3.79	0.33	2379
	81	64	13.39	11.38	0.85	2206	11.91	10.13	0.85	2250	11.44	9.72	0.85	2273	10.87	9.24	0.85	2318
	81	66	13.66	10.79	0.79	2216	12.16	9.60	0.79	2260	11.67	9.22	0.79	2283	11.09	8.76	0.79	2328
	81	68	13.80	10.07	0.73	2231	12.28	8.96	0.73	2275	11.79	8.61	0.73	2298	11.20	8.17	0.73	2343
	81	72	14.03	8.56	0.61	2248	12.49	7.62	0.61	2292	11.99	7.31	0.61	2315	11.39	6.95	0.61	2360
	81	75	14.23	6.97	0.49	2268	12.66	6.20	0.49	2312	12.16	5.96	0.49	2335	11.55	5.66	0.49	2380
	81	79	14.46	5.35	0.37	2291	12.87	4.76	0.37	2335	12.35	4.57	0.37	2358	11.73	4.34	0.37	2403
	82	64	13.52	12.03	0.89	2228	12.03	10.71	0.89	2272	11.55	10.28	0.89	2295	10.97	9.77	0.89	2341
	82	68	13.80	10.62	0.77	2253	12.28	9.45	0.77	2298	11.79	9.08	0.77	2321	11.20	8.62	0.77	2367
	82	72	13.93	9.06	0.65	2270	12.40	8.06	0.65	2315	11.91	7.74	0.65	2338	11.31	7.35	0.65	2384
	82	75	14.17	7.51	0.53	2290	12.61	6.68	0.53	2335	12.11	6.42	0.53	2358	11.50	6.10	0.53	2404
	82	79	14.37	5.89	0.41	2314	12.79	5.24	0.41	2358	12.28	5.03	0.41	2381	11.66	4.78	0.41	2427
	84	64	13.66	12.43	0.91	2250	12.15	11.06	0.91	2295	11.67	10.62	0.91	2318	11.08	10.09	0.91	2365
	84	68	13.93	11.29	0.81	2275	12.40	10.05	0.81	2321	11.91	9.64	0.81	2344	11.31	9.16	0.81	2390
	84	72	14.21	9.81	0.69	2293	12.65	8.73	0.69	2338	12.14	8.38	0.69	2361	11.54	7.96	0.69	2408
	84	75	14.31	8.16	0.57	2313	12.74	7.26	0.57	2358	12.23	6.97	0.57	2381	11.62	6.62	0.57	2428
	84	79	14.51	6.53	0.45	2337	12.92	5.81	0.45	2382	12.40	5.58	0.45	2405	11.78	5.30	0.45	2451
	86	64	13.79	12.55	0.91	2272	12.28	11.17	0.91	2318	11.78	10.72	0.91	2341	11.20	10.19	0.91	2388
	86	68	14.07	11.96	0.85	2298	12.53	10.65	0.85	2344	12.02	10.22	0.85	2367	11.42	9.71	0.85	2414
	86	72	14.36	10.48	0.73	2316	12.78	9.33	0.73	2361	12.27	8.95	0.73	2385	11.65	8.51	0.73	2432
	86	75	14.46	8.82	0.61	2336	12.87	7.85	0.61	2382	12.35	7.53	0.61	2405	11.73	7.16	0.61	2452
	86	79	14.66	7.18	0.49	2360	13.05	6.39	0.49	2406	12.52	6.14	0.49	2429	11.90	5.83	0.49	2476
	88	64	13.93	12.68	0.91	2295	12.40	11.28	0.91	2341	11.90	10.83	0.91	2365	11.31	10.29	0.91	2412
	88	68	14.21	12.65	0.89	2321	12.65	11.26	0.89	2367	12.15	10.81	0.89	2391	11.54	10.27	0.89	2438
	88	72	14.50	11.16	0.77	2339	12.90	9.94	0.77	2385	12.39	9.54	0.77	2409	11.77	9.06	0.77	2456
	88	75	14.60	9.49	0.65	2360	12.99	8.45	0.65	2406	12.48	8.11	0.65	2429	11.85	7.70	0.65	2477
	88	79	14.81	7.85	0.53	2384	13.18	6.98	0.53	2430	12.65	6.70	0.53	2453	12.02	6.37	0.53	2501
	90	64	14.07	12.80	0.91	2318	12.52	11.40	0.91	2365	12.02	10.94	0.91	2388	11.42	10.39	0.91	2436
	90	68	14.36	13.06	0.91	2344	12.78	11.63	0.91	2391	12.27	11.16	0.91	2415	11.65	10.60	0.91	2463
	90	72	14.64	11.86	0.81	2362	13.03	10.56	0.81	2409	12.51	10.13	0.81	2433	11.89	9.63	0.81	2481
	90	75	14.75	10.18	0.69	2383	13.12	9.06	0.69	2430	12.60	8.69	0.69	2454	11.97	8.26	0.69	2502
	90	79	14.95	8.52	0.57	2407	13.31	7.59	0.57	2454	12.78	7.28	0.57	2478	12.14	6.92	0.57	2526

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K (Cooling up to 2 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																		
			OUTDOOR DB (°F)																																																		
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	17.42	10.63	0.61	1416	17.25	10.52	0.61	1429	17.06	10.41	0.61	1442	16.85	10.28	0.61	1453	16.68	10.17	0.61	1461	16.50	10.06	0.61	1509	16.27	9.92	0.61	1576	15.98	9.75	0.61	1683	15.61	9.52	0.61	1760	15.15	9.24	0.61	1826	14.09	8.60	0.61	1918	13.95	8.51	0.61	1938	11.51	7.02	0.61	2012
	70	68	18.14	8.89	0.49	1439	17.96	8.80	0.49	1452	17.77	8.71	0.49	1465	17.54	8.59	0.49	1477	17.37	8.51	0.49	1484	17.18	8.42	0.49	1533	16.94	8.30	0.49	1599	16.64	8.15	0.49	1706	16.25	7.96	0.49	1784	15.78	7.73	0.49	1850	14.67	7.19	0.49	1942	14.53	7.12	0.49	1961	11.98	5.87	0.49	2035
	72	64	17.96	11.68	0.65	1430	17.79	11.56	0.65	1443	17.59	11.44	0.65	1456	17.37	11.29	0.65	1468	17.19	11.18	0.65	1475	17.01	11.05	0.65	1525	16.77	10.90	0.65	1592	16.48	10.71	0.65	1700	16.09	10.46	0.65	1778	15.62	10.15	0.65	1845	14.53	9.44	0.65	1938	14.38	9.35	0.65	1957	11.87	7.71	0.65	2032
	72	68	18.51	9.81	0.53	1454	18.33	9.72	0.53	1467	18.13	9.61	0.53	1480	17.90	9.49	0.53	1492	17.72	9.39	0.53	1499	17.53	9.29	0.53	1548	17.29	9.16	0.53	1616	16.98	9.00	0.53	1723	16.58	8.79	0.53	1802	16.10	8.53	0.53	1869	14.97	7.94	0.53	1961	14.82	7.86	0.53	1981	12.23	6.48	0.53	2056
	72	72	18.83	7.72	0.41	1470	18.64	7.64	0.41	1483	18.44	7.56	0.41	1496	18.20	7.46	0.41	1508	18.02	7.39	0.41	1515	17.83	7.31	0.41	1565	17.58	7.21	0.41	1632	17.27	7.08	0.41	1739	16.86	6.91	0.41	1818	16.37	6.71	0.41	1885	15.23	6.24	0.41	1978	15.07	6.18	0.41	1997	12.44	5.10	0.41	2072
	73	64	18.33	12.65	0.69	1444	18.15	12.52	0.69	1458	17.95	12.39	0.69	1471	17.72	12.23	0.69	1483	17.55	12.11	0.69	1490	17.35	11.97	0.69	1540	17.12	11.81	0.69	1608	16.81	11.60	0.69	1717	16.42	11.33	0.69	1796	15.94	11.00	0.69	1864	14.82	10.23	0.69	1957	14.68	10.13	0.69	1977	12.11	8.35	0.69	2052
	73	68	18.89	10.77	0.57	1468	18.70	10.66	0.57	1482	18.50	10.55	0.57	1495	18.26	10.41	0.57	1507	18.08	10.31	0.57	1514	17.89	10.20	0.57	1564	17.64	10.05	0.57	1632	17.33	9.88	0.57	1741	16.92	9.64	0.57	1820	16.43	9.36	0.57	1888	15.28	8.71	0.57	1981	15.13	8.62	0.57	2001	12.48	7.11	0.57	2076
	73	72	19.21	8.65	0.45	1485	19.02	8.56	0.45	1498	18.82	8.47	0.45	1511	18.57	8.36	0.45	1523	18.39	8.28	0.45	1531	18.19	8.19	0.45	1580	17.94	8.07	0.45	1648	17.62	7.93	0.45	1757	17.21	7.74	0.45	1836	16.71	7.52	0.45	1904	15.54	6.99	0.45	1998	15.38	6.92	0.45	2017	12.69	5.71	0.45	2093
	75	64	18.70	13.65	0.73	1459	18.52	13.52	0.73	1472	18.32	13.37	0.73	1486	18.08	13.20	0.73	1498	17.90	13.07	0.73	1505	17.71	12.93	0.73	1556	17.46	12.75	0.73	1624	17.16	12.52	0.73	1734	16.75	12.23	0.73	1814	16.27	11.87	0.73	1882	15.13	11.04	0.73	1977	14.98	10.93	0.73	1997	12.35	9.02	0.73	2073
	75	68	19.28	11.76	0.61	1483	19.09	11.64	0.61	1497	18.88	11.52	0.61	1510	18.64	11.37	0.61	1522	18.45	11.26	0.61	1530	18.25	11.13	0.61	1580	18.00	10.98	0.61	1648	17.68	10.79	0.61	1758	17.27	10.53	0.61	1839	16.76	10.23	0.61	1907	15.59	9.51	0.61	2001	15.43	9.41	0.61	2021	12.73	7.77	0.61	2097
	75	72	19.60	9.61	0.49	1500	19.41	9.51	0.49	1513	19.20	9.41	0.49	1527	18.95	9.29	0.49	1539	18.77	9.20	0.49	1546	18.56	9.10	0.49	1596	18.30	8.97	0.49	1665	17.98	8.81	0.49	1775	17.56	8.60	0.49	1855	17.05	8.35	0.49	1923	15.86	7.77	0.49	2018	15.70	7.69	0.49	2038	12.95	6.35	0.49	2114
	75	75	19.88	7.36	0.37	1519	19.68	7.28	0.37	1533	19.47	7.20	0.37	1546	19.22	7.11	0.37	1558	19.03	7.04	0.37	1566	18.82	6.96	0.37	1616	18.56	6.87	0.37	1684	18.23	6.75	0.37	1794	17.81	6.59	0.37	1874	17.29	6.40	0.37	1943	16.08	5.95	0.37	2037	15.92	5.89	0.37	2057	13.13	4.86	0.37	2133
	77	64	19.28	14.85	0.77	1474	19.09	14.70	0.77	1487	18.88	14.54	0.77	1501	18.64	14.35	0.77	1513	18.46	14.21	0.77	1521	18.26	14.06	0.77	1571	18.00	13.86	0.77	1641	17.69	13.62	0.77	1752	17.27	13.30	0.77	1833	16.77	12.91	0.77	1901	15.59	12.01	0.77	1997	15.44	11.89	0.77	2017	12.74	9.81	0.77	2094
	77	68	19.87	12.92	0.65	1498	19.68	12.79	0.65	1512	19.46	12.65	0.65	1525	19.21	12.49	0.65	1538	19.02	12.36	0.65	1545	18.82	12.23	0.65	1596	18.56	12.06	0.65	1665	18.23	11.85	0.65	1776	17.80	11.57	0.65	1857	17.28	11.23	0.65	1926	16.07	10.45	0.65	2021	15.91	10.34	0.65	2042	13.13	8.53	0.65	2119
	77	72	20.21	10.71	0.53	1515	20.01	10.61	0.53	1528	19.79	10.49	0.53	1542	19.54	10.36	0.53	1554	19.35	10.25	0.53	1562	19.14	10.14	0.53	1612	18.87	10.00	0.53	1682	18.54	9.82	0.53	1793	18.10	9.59	0.53	1874	17.58	9.32	0.53	1943	16.35	8.66	0.53	2038	16.18	8.58	0.53	2058	13.35	7.08	0.53	2135
	77	75	20.49	8.40	0.41	1535	20.29	8.32	0.41	1548	20.07	8.23	0.41	1562	19.81	8.12	0.41	1574	19.62	8.04	0.41	1581	19.40	7.96	0.41	1632	19.14	7.85	0.41	1701	18.80	7.71	0.41	1812	18.36	7.53	0.41	1893	17.82	7.31	0.41	1962	16.57	6.80	0.41	2058	16.41	6.73	0.41	2078	13.54	5.55	0.41	2155
	79	64	19.88	16.10	0.81	1489	19.68	15.94	0.81	1502	19.47	15.77	0.81	1516	19.22	15.57	0.81	1528	19.03	15.41	0.81	1536	18.82	15.25	0.81	1587	18.56	15.03	0.81	1657	18.23	14.77	0.81	1769	17.81	14.42	0.81	1851	17.29	14.00	0.81	1921	16.08	13.02	0.81	2017	15.92	12.89	0.81	2037	13.13	10.64	0.81	2115
	79	68	20.49	14.14	0.69	1513	20.29	14.00	0.69	1527	20.06	13.84	0.69	1541	19.81	13.67	0.69	1553	19.61	13.53	0.69	1561	19.40	13.38	0.69	1612	19.13	13.20	0.69	1682	18.79	12.97	0.69	1794	18.35	12.66	0.69	1876	17.82	12.29	0.69	1945	16.57	11.43	0.69	2042	16.40	11.32	0.69	2062	13.53	9.34	0.69	2140
	79	72	20.84	11.88	0.57	1530	20.63	11.76	0.57	1544	20.41	11.63	0.57	1558	20.14	11.48	0.57	1570	19.94	11.37	0.57	1578	19.73	11.24	0.57	1629	19.45	11.09	0.57	1699	19.11	10.89	0.57	1811	18.66	10.64	0.57	1893	18.12	10.33	0.57	1962	16.85	9.61	0.57	2059	16.68	9.51	0.57	2079	13.76	7.84	0.57	2157
	79	75	21.13	9.51	0.45	1550	20.92	9.41	0.45	1564	20.69	9.31	0.45	1577	20.43	9.19	0.45	1590	20.22	9.10	0.45	1597	20.00	9.00	0.45	1648	19.73	8.88	0.45	1719	19.38	8.72	0.45	1831	18.92	8.52	0.45	1912	18.37	8.27	0.45	1982	17.09	7.69	0.45	2079	16.92	7.61	0.45	2099	13.96	6.28	0.45	2177
	79	79	21.47	7.08	0.33	1573	21.25	7.01	0.33	1586	21.02	6.94	0.33	1600	20.75	6.85	0.33	1612	20.55	6.78	0.33	1620	20.32	6.71	0.33	1671	20.04	6.61	0.33	1741	19.69	6.50	0.33	1853	19.23	6.34	0.33	1935	18.67	6.16	0.33	2005	17.36	5.73	0.33	2101	17.19	5.67	0.33	2122	14.18	4.68	0.33	2199
	81	64	20.29	17.24	0.85	1504	20.08	17.07	0.85	1517	19.87	16.89	0.85	1531	19.61	16.67	0.85	1544	19.42	16.50	0.85	1552	19.21	16.32	0.85	1603	18.94	16.10	0.85	1674	18.61	15.81	0.85	1787	18.17	15.44	0.85	1870	17.64	14.99	0.85	1940	16.41	13.94	0.85	2038	16.24	13.80	0.85	2058	13.40	11.39	0.85	2137
	81	66	20.70	16.35	0.79	1514	20.49	16.19	0.79	1527	20.27	16.01	0.79	1541	20.01	15.81	0.79	1554	19.81	15.65	0.79	1562	19.60	15.48	0.79	1613	19.33	15.27	0.79	1684	18.98	15.00	0.79	1797	18.54	14.65	0.79	1880	18.00	14.22	0.79	1950	16.74	13.22	0.79	2048	16.57	13.09	0.79	2068	13.67	10.80	0.79	2147
	81	68	20.91	15.26	0.73	1529	20.70	15.11	0.73	1542	20.47	14.95	0.73	1556	20.21	14.75	0.73	1569	20.01	14.61	0.73	1577	19.79	14.45	0.73	1628	19.52	14.25	0.73	1699	19.17	14.00	0.73	1812	18.73	13.67	0.73	1895	18.18	13.27	0.73	1965	16.91	12.34	0.73	2063	16.74	12.22	0.73	2083	13.81	10.08	0.73	2162
	81	72	21.26	12.97	0.61	1546	21.05	12.84	0.61	1559	20.82	12.70	0.61	1573	20.55	12.54	0.61	1586	20.35	12.41	0.61	1594	20.13	12.28	0.61	1645	19.85	12.11	0.61	1716	19.50	11.90	0.61	1829	19.04	11.62	0.61	1912	18.49	11.28	0.61	1982	17.19	10.49	0.61	2080	17.02	10.38	0.61	2100	14.04	8.57	0.61	2179
	81	75	21.56	10.56	0.49	1566	21.35	10.46	0.49	1579	21.11	10.35	0.49	1593	20.84	10.21	0.49	1606	20.64	10.11	0.49	1614	20.41	10.00	0.49	1665	20.13	9.86	0.49	1736	19.77	9.69	0.49	1849	19.31	9.46	0.49	1932	18.75	9.19	0.49	2002	17.44	8.54	0.49	2100	17.26	8.46	0.49	2120	14.24	6.98	0.49	2199
	81	79	21.90	8.10	0.37	1589	21.69	8.02	0.37	1602	21.45	7.94	0.37	1616	21.18	7.84	0.37	1629	20.97	7.76	0.37	1637	20.74	7.67	0.37	1688	20.45	7.57	0.37	1759	20.09	7.43	0.37	1872	19.62	7.26	0.37	1955	19.05	7.05	0.37	2025	17.71	6.55	0.37	2123	17.54	6.49	0.37	2143	14.47	5.35	0.37	2222
	82	64	20.49	18.23	0.89	1519	20.29	18.05	0.89	1533	20.06	17.86	0.89	1547	19.81	17.63	0.89	1559	19.61	17.45	0.89	1567	19.40	17.26	0.89	1619	19.13	17.03	0.89	1691	18.79	16.72	0.89	1805	18.35	16.33	0.89	1888	17.82	15.86	0.89	1959	16.57	14.75	0.89	2058	16.40	14.60	0.89	2079	13.53	12.04	0.89	2158
	82	68	20.91	16.10	0.77	1544	20.70	15.94	0.77	1558	20.47	15.76	0.77	1572	20.21	15.56	0.77	1584	20.01	15.41	0.77	1592	19.79	15.24	0.77	1644	19.52	15.03	0.77	1716	19.17	14.76	0.77	1830	18.73	14.42	0.77	1914	18.18	14.00	0.77	1985	16.91	13.02	0.77	2083	16.74	12.89	0.77	2104	13.81	10.63	0.77	2183
	82	72	21.12	13.72	0.65	1561	20.91	13.59	0.65	1575	20.68	13.44	0.65	1589	20.41	13.27	0.65	1602	20.21	13.14	0.65	1609	19.99	12.99	0.65	1662	19.72	12.81	0.65	1733	19.37	12.59	0.65	1847	18.91	12.29	0.65	1931	18.36	11.94	0.65	2002	17.08	11.10	0.65	2100	16.91	10.99	0.65	2121	13.95	9.07	0.65	2200
	82	75	21.47	11.38	0.53	1581	21.26	11.27	0.53	1595	21.03	11.15	0.53	1609	20.76	11.00	0.53	1622	20.55	10.89	0.53	1630	20.33	10.78	0.53	1682	20.05	10.63	0.53	1753	19.70	10.44	0.53	1868	19.23	10.19	0.53	1951	18.67	9.90	0.53	2022	17.37	9.20	0.53	2120	17.19	9.11	0.53	2141	14.18	7.52	0.53	2221
	82	79	21.77	8.93	0.41	1605	21.56	8.84	0.41	1618	21.32	8.74	0.41	1632	21.05	8.63	0.41	1645	20.84	8.55	0.41	1653	20.62	8.45	0.41	1705	20.33	8.34	0.41	1776	19.97	8.19	0.41	1891	19.50	8.00	0.41	1974	18.94	7.76	0.41	2045	17.61	7.22	0.41	2144	17.43	7.15	0.41	2164	14.38	5.90	0.41	2244
	84	64	20.69	18.83	0.91	1534	20.49	18.64	0.91	1548	20.26	18.44	0.91	1562	20.00	18.20	0.91	1575	19.81	18.02	0.91	1583	19.59	17.83	0.91	1635	19.32	17.58	0.91	1708	18.98	17.27	0.91	1823	18.53	16.87	0.91	1907	17.99	16.38	0.91	1979	16.73	15.23	0.91	2078	16.57	15.08	0.91	2099	13.67	12.44	0.91	2180
	84	68	21.12	17.10	0.81	1559	20.91	16.93	0.81	1573	20.68	16.75	0.81	1588	20.41	16.53	0.81	1600	20.21	16.37	0.81	1608	19.99	16.19	0.81	1661	19.72	15.97	0.81	1733	19.37	15.69	0.81	1849	18.91	15.32	0.81	1933	18.36	14.87	0.81	2004	17.08	13.83	0.81	2104	16.91	13.69	0.81	2125	13.95	11.30	0.81	2205
	84	72	21.54	14.86	0.69	1577	21.32	14.71	0.69	1591	21.09	14.55	0.69	1605	20.82	14.37	0.69	1618	20.62	14.22	0.69	1626	20.39	14.07	0.69	1678	20.11	13.88	0.69	1750	19.75	13.63	0.69	1866	19.29	13.31	0.69	1950	18.73	12.92	0.69	2022	17.42	12.02	0.69	2121	17.24	11.90	0.69	2142	14.23	9.82	0.69	2222
	84	75	21.69	12.36	0.57	1597	21.47	12.24	0.57	1611	21.24	12.11	0.57	1625	20.97	11.95	0.57	1638	20.76	11.83	0.57	1646	20.53	11.70	0.57	1699	20.25	11.54	0.57	1771	19.89	11.34	0.57	1886	19.43	11.07	0.57	1971	18.86	10.75	0.57	2042	17.54	10.00	0.57	2142	17.37	9.90	0.57	2163	14.33	8.17	0.57	2243
	84	79	21.99	9.90	0.45	1621	21.77	9.80	0.45	1635	21.54	9.69	0.45	1649	21.26	9.57	0.45	1661	21.05	9.47	0.45	1669	20.82	9.37	0.45	1722	20.53	9.24	0.45	1794	20.17	9.08	0.45	1910	19.70	8.86	0.45	1994	19.12	8.61	0.45	2066	17.79	8.00	0.45	2165	17.61	7.92	0.45	2186	14.53	6.54	0.45	2266
	86	64	20.90	19.02	0.91	1549	20.69	18.83	0.91	1563	20.47	18.63	0.91	1578	20.20	18.39	0.91	1590	20.00	18.20	0.91	1599	19.79	18.01	0.91	1652	19.51	17.76	0.91	1725	19.17	17.44	0.91	1841	18.72	17.03	0.91	1926	18.17	16.54	0.91	1999	16.90	15.38	0.91	2099	16.73	15.23	0.91	2120	13.80	12.56	0.91	2201
	86	68	21.33	18.13	0.85	1575	21.12	17.95	0.85	1589	20.89	17.75	0.85	1603	20.62	17.52	0.85	1616	20.41	17.35	0.85	1624	20.19	17.16	0.85	1677	19.91	16.93	0.85	1750	19.56	16.63	0.85	1867	19.10	16.24	0.85	1952	18.55	15.76	0.85	2025	17.25	14.66	0.85	2125	17.07	14.51	0.85	2146	14.09	11.97	0.85	2227
	86	72	21.75	15.88	0.73	1593	21.54	15.72	0.73	1607	21.30	15.55	0.73	1621	21.03	15.35	0.73	1634	20.82	15.20	0.73	1642	20.59	15.03	0.73	1695	20.31	14.83	0.73	1768	19.95	14.56	0.73	1885	19.48	14.22	0.73	1970	18.92	13.81	0.73	2042	17.59	12.84	0.73	2143	17.42	12.71	0.73	2164	14.37	10.49	0.73	2245
	86	75	21.91	13.36	0.61	1613	21.69	13.23	0.61	1627	21.45	13.09	0.61	1642	21.18	12.92	0.61	1654	20.97	12.79	0.61	1662	20.74	12.65	0.61	1716	20.45	12.48	0.61	1788	20.09	12.26	0.61	1905	19.62	11.97	0.61	1990	19.05	11.62	0.61	2063	17.72	10.81	0.61	2163	17.54	10.70	0.61	2184	14.47	8.83	0.61	2265
	86	79	22.21	10.88	0.49	1637	21.99	10.78	0.49	1651	21.75	10.66	0.49	1665	21.47	10.52	0.49	1678	21.26	10.42	0.49	1686	21.03	10.30	0.49	1739	20.74	10.16	0.49	1812	20.37	9.98	0.49	1929	19.90	9.75	0.49	2014	19.32	9.46	0.49	2086	17.96	8.80	0.49	2187	17.78	8.71	0.49	2208	14.67	7.19	0.49	2289
	88	64	21.11	19.21	0.91	1565	20.90	19.02	0.91	1579	20.67	18.81	0.91	1593	20.41	18.57	0.91	1606	20.20	18.39	0.91	1615	19.99	18.19	0.91	1668	19.71	17.94	0.91	1742	19.36	17.62	0.91	1860	18.91	17.21	0.91	1946	18.36	16.70	0.91	2019	17.07	15.53	0.91	2120	16.90	15.38	0.91	2142	13.94	12.69	0.91	2223
	88	68	21.54	19.17	0.89	1591	21.33	18.98	0.89	1605	21.09	18.77	0.89	1619	20.82	18.53	0.89	1632	20.62	18.35	0.89	1641	20.39	18.15	0.89	1694	20.11	17.90	0.89	1768	19.76	17.58	0.89	1886	19.29	17.17	0.89	1972	18.73	16.67	0.89	2045	17.42	15.50	0.89	2146	17.25	15.35	0.89	2168	14.23	12.66	0.89	2249
	88	72	21.97	16.92	0.77	1608	21.75	16.75	0.77	1623	21.52	16.57	0.77	1637	21.24	16.35	0.77	1650	21.03	16.19	0.77	1658	20.80	16.02	0.77	1712	20.51	15.80	0.77	1786	20.15	15.52	0.77	1903	19.68	15.15	0.77	1989	19.11	14.71	0.77	2062	17.77	13.68	0.77	2164	17.59	13.54	0.77	2185	14.51	11.17	0.77	2267
	88	75	22.12	14.38	0.65	1629	21.91	14.24	0.65	1644	21.67	14.08	0.65	1658	21.39	13.90	0.65	1671	21.18	13.77	0.65	1679	20.95	13.62	0.65	1733	20.66	13.43	0.65	1806	20.29	13.19	0.65	1924	19.82	12.88	0.65	2010	19.24	12.51	0.65	2083	17.89	11.63	0.65	2185	17.71	11.51	0.65	2206	14.61	9.50	0.65	2288
	88	79	22.43	11.89	0.53	1653	22.21	11.77	0.53	1667	21.97	11.64	0.53	1682	21.69	11.50	0.53	1695	21.47	11.38	0.53	1703	21.24	11.26	0.53	1757	20.95	11.10	0.53	1830	20.58	10.91	0.53	1948	20.09	10.65	0.53	2034	19.51	10.34	0.53	2107	18.14	9.62	0.53	2209	17.96	9.52	0.53	2230	14.82	7.85	0.53	2312
	90	64	21.32	19.40	0.91	1580	21.11	19.21	0.91	1595	20.88	19.00	0.91	1609	20.61	18.76	0.91	1622	20.41	18.57	0.91	1631	20.18	18.37	0.91	1685	19.91	18.11	0.91	1759	19.55	17.79	0.91	1878	19.10	17.38	0.91	1965	18.54	16.87	0.91	2039	17.24	15.69	0.91	2141	17.07	15.53	0.91	2163	14.08	12.82	0.91	2246
	90	68	21.75	19.80	0.91	1607	21.54	19.60	0.91	1621	21.31	19.39	0.91	1636	21.03	19.14	0.91	1649	20.82	18.95	0.91	1657	20.60	18.74	0.91	1711	20.31	18.48	0.91	1786	19.95	18.16	0.91	1905	19.49	17.73	0.91	1991	18.92	17.22	0.91	2065	17.59	16.01	0.91	2168	17.42	15.85	0.91	2189	14.37	13.08	0.91	2272
	90	72	22.19	17.97	0.81	1625	21.97	17.80	0.81	1639	21.73	17.60	0.81	1654	21.45	17.38	0.81	1667	21.24	17.20	0.81	1675	21.01	17.02	0.81	1729	20.72	16.78	0.81	1803	20.35	16.49	0.81	1922	19.88	16.10	0.81	2009	19.30	15.63	0.81	2083	17.95	14.54	0.81	2186	17.77	14.39	0.81	2207	14.66	11.87	0.81	2290
	90	75	22.35	15.42	0.69	1646	22.12	15.27	0.69	1660	21.88	15.10	0.69	1675	21.60	14.91	0.69	1688	21.39	14.76	0.69	1696	21.16	14.60	0.69	1750	20.86	14.40	0.69	1824	20.50	14.14	0.69	1943	20.02	13.81	0.69	2030	19.43	13.41	0.69	2104	18.07	12.47	0.69	2207	17.89	12.34	0.69	2228	14.76	10.18	0.69	2311
	90	79	22.66	12.92	0.57	1670	22.43	12.79	0.57	1684	22.19	12.65	0.57	1699	21.91	12.49	0.57	1712	21.69	12.36	0.57	1720	21.45	12.23	0.57	1774	21.16	12.06	0.57	1849	20.78	11.85	0.57	1968	20.30	11.57	0.57	2055	19.70	11.23	0.57	2128	18.32	10.45	0.57	2231	18.14	10.34	0.57	2252	14.97	8.53	0.57	2335

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	11.16	6.81	0.61	2026	9.94	6.06	0.61	2066	9.54	5.82	0.61	2087	9.06	5.53	0.61	2129
	70	68	11.62	5.70	0.49	2049	10.35	5.07	0.49	2090	9.93	4.87	0.49	2111	9.44	4.62	0.49	2153
	72	64	11.51	7.48	0.65	2046	10.24	6.66	0.65	2087	9.83	6.39	0.65	2108	9.34	6.07	0.65	2151
	72	68	11.86	6.29	0.53	2070	10.56	5.60	0.53	2111	10.13	5.37	0.53	2132	9.63	5.10	0.53	2174
	72	72	12.06	4.95	0.41	2086	10.74	4.40	0.41	2127	10.31	4.23	0.41	2148	9.79	4.01	0.41	2191
	73	64	11.74	8.10	0.69	2067	10.45	7.21	0.69	2108	10.03	6.92	0.69	2130	9.53	6.58	0.69	2172
	73	68	12.10	6.90	0.57	2091	10.77	6.14	0.57	2132	10.34	5.89	0.57	2154	9.82	5.60	0.57	2196
	73	72	12.31	5.54	0.45	2107	10.96	4.93	0.45	2149	10.52	4.73	0.45	2170	9.99	4.50	0.45	2213
	75	64	11.98	8.75	0.73	2088	10.67	7.79	0.73	2130	10.24	7.47	0.73	2151	9.73	7.10	0.73	2194
	75	68	12.35	7.53	0.61	2112	10.99	6.71	0.61	2154	10.55	6.44	0.61	2175	10.03	6.12	0.61	2218
	75	72	12.56	6.15	0.49	2128	11.18	5.48	0.49	2170	10.73	5.26	0.49	2192	10.20	5.00	0.49	2235
	75	75	12.74	4.71	0.37	2148	11.34	4.19	0.37	2190	10.88	4.03	0.37	2211	10.34	3.83	0.37	2254
	77	64	12.35	9.51	0.77	2109	11.00	8.47	0.77	2151	10.56	8.13	0.77	2173	10.03	7.72	0.77	2216
	77	68	12.73	8.28	0.65	2133	11.33	7.37	0.65	2176	10.88	7.07	0.65	2197	10.34	6.72	0.65	2241
	77	72	12.95	6.86	0.53	2150	11.53	6.11	0.53	2192	11.06	5.86	0.53	2214	10.51	5.57	0.53	2258
	77	75	13.13	5.38	0.41	2170	11.69	4.79	0.41	2212	11.22	4.60	0.41	2234	10.66	4.37	0.41	2277
	79	64	12.74	10.32	0.81	2130	11.34	9.18	0.81	2173	10.88	8.81	0.81	2195	10.34	8.37	0.81	2239
	79	68	13.13	9.06	0.69	2155	11.68	8.06	0.69	2198	11.22	7.74	0.69	2219	10.65	7.35	0.69	2264
	79	72	13.35	7.61	0.57	2172	11.88	6.77	0.57	2214	11.41	6.50	0.57	2236	10.84	6.18	0.57	2280
	79	75	13.54	6.09	0.45	2191	12.05	5.42	0.45	2234	11.57	5.20	0.45	2256	10.99	4.94	0.45	2300
	79	79	13.75	4.54	0.33	2214	12.24	4.04	0.33	2257	11.75	3.88	0.33	2279	11.16	3.68	0.33	2323
	81	64	13.00	11.05	0.85	2152	11.57	9.83	0.85	2195	11.10	9.44	0.85	2217	10.55	8.97	0.85	2261
	81	66	13.26	10.48	0.79	2162	11.80	9.32	0.79	2205	11.33	8.95	0.79	2227	10.76	8.50	0.79	2271
	81	68	13.39	9.78	0.73	2177	11.92	8.70	0.73	2220	11.44	8.35	0.73	2242	10.87	7.94	0.73	2286
	81	72	13.62	8.31	0.61	2194	12.12	7.40	0.61	2237	11.64	7.10	0.61	2259	11.06	6.74	0.61	2303
	81	75	13.81	6.77	0.49	2214	12.29	6.02	0.49	2257	11.80	5.78	0.49	2279	11.21	5.49	0.49	2323
	81	79	14.03	5.19	0.37	2237	12.49	4.62	0.37	2280	11.99	4.44	0.37	2302	11.39	4.21	0.37	2346
	82	64	13.13	11.68	0.89	2173	11.68	10.40	0.89	2217	11.22	9.98	0.89	2239	10.65	9.48	0.89	2284
	82	68	13.39	10.31	0.77	2198	11.92	9.18	0.77	2242	11.44	8.81	0.77	2264	10.87	8.37	0.77	2309
	82	72	13.53	8.79	0.65	2216	12.04	7.83	0.65	2259	11.56	7.51	0.65	2281	10.98	7.14	0.65	2326
	82	75	13.76	7.29	0.53	2236	12.25	6.49	0.53	2279	11.76	6.23	0.53	2302	11.17	5.92	0.53	2347
	82	79	13.95	5.72	0.41	2259	12.42	5.09	0.41	2303	11.92	4.89	0.41	2325	11.32	4.64	0.41	2370
	84	64	13.26	12.06	0.91	2195	11.80	10.74	0.91	2239	11.33	10.31	0.91	2261	10.76	9.79	0.91	2307
	84	68	13.53	10.96	0.81	2220	12.04	9.75	0.81	2264	11.56	9.36	0.81	2287	10.98	8.89	0.81	2332
	84	72	13.80	9.52	0.69	2238	12.28	8.47	0.69	2282	11.79	8.14	0.69	2304	11.20	7.73	0.69	2350
	84	75	13.90	7.92	0.57	2258	12.37	7.05	0.57	2302	11.87	6.77	0.57	2325	11.28	6.43	0.57	2370
	84	79	14.09	6.34	0.45	2282	12.54	5.64	0.45	2326	12.04	5.42	0.45	2348	11.44	5.15	0.45	2394
	86	64	13.39	12.19	0.91	2217	11.92	10.85	0.91	2261	11.44	10.41	0.91	2284	10.87	9.89	0.91	2330
	86	68	13.66	11.61	0.85	2243	12.16	10.34	0.85	2287	11.67	9.92	0.85	2310	11.09	9.43	0.85	2356
	86	72	13.94	10.17	0.73	2260	12.40	9.06	0.73	2305	11.91	8.69	0.73	2327	11.31	8.26	0.73	2373
	86	75	14.04	8.56	0.61	2281	12.49	7.62	0.61	2325	11.99	7.31	0.61	2348	11.39	6.95	0.61	2394
	86	79	14.23	6.97	0.49	2304	12.67	6.21	0.49	2349	12.16	5.96	0.49	2372	11.55	5.66	0.49	2417
	88	64	13.52	12.31	0.91	2239	12.04	10.95	0.91	2284	11.56	10.52	0.91	2307	10.98	9.99	0.91	2353
	88	68	13.80	12.28	0.89	2265	12.28	10.93	0.89	2310	11.79	10.49	0.89	2333	11.20	9.97	0.89	2379
	88	72	14.08	10.84	0.77	2283	12.53	9.65	0.77	2328	12.03	9.26	0.77	2351	11.43	8.80	0.77	2397
	88	75	14.18	9.21	0.65	2303	12.62	8.20	0.65	2348	12.11	7.87	0.65	2371	11.51	7.48	0.65	2418
	88	79	14.37	7.62	0.53	2327	12.79	6.78	0.53	2372	12.28	6.51	0.53	2395	11.67	6.18	0.53	2442
	90	64	13.66	12.43	0.91	2261	12.16	11.06	0.91	2307	11.67	10.62	0.91	2330	11.09	10.09	0.91	2377
	90	68	13.94	12.68	0.91	2288	12.41	11.29	0.91	2333	11.91	10.84	0.91	2356	11.31	10.30	0.91	2403
	90	72	14.22	11.52	0.81	2305	12.65	10.25	0.81	2351	12.15	9.84	0.81	2374	11.54	9.35	0.81	2421
	90	75	14.32	9.88	0.69	2326	12.74	8.79	0.69	2372	12.23	8.44	0.69	2395	11.62	8.02	0.69	2442
	90	79	14.52	8.28	0.57	2351	12.92	7.36	0.57	2396	12.40	7.07	0.57	2419	11.78	6.72	0.57	2466

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																																																	
	OUTDOOR DB (°F)																																																	
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	17.08	10.42	0.61	1401	16.91	10.31	0.61	1414	16.72	10.20	0.61	1427	16.51	10.07	0.61	1439	16.35	9.97	0.61	1446	16.17	9.86	0.61	1494	15.94	9.73	0.61	1560	15.66	9.55	0.61	1666	15.30	9.33	0.61	1743	14.85	9.06	0.61	1808	13.81	8.42	0.61	1899	13.67	8.34	0.61	1918	11.28	6.88	0.61	1991
	70	68	17.78	8.71	0.49	1425	17.60	8.63	0.49	1438	17.41	8.53	0.49	1451	17.19	8.42	0.49	1462	17.02	8.34	0.49	1470	16.83	8.25	0.49	1518	16.60	8.13	0.49	1584	16.31	7.99	0.49	1689	15.93	7.80	0.49	1766	15.46	7.58	0.49	1832	14.38	7.05	0.49	1923	14.24	6.98	0.49	1942	11.74	5.75	0.49	2015
	72	64	17.60	11.44	0.65	1416	17.43	11.33	0.65	1429	17.24	11.21	0.65	1442	17.02	11.06	0.65	1453	16.85	10.95	0.65	1461	16.67	10.83	0.65	1509	16.44	10.68	0.65	1576	16.15	10.50	0.65	1682	15.77	10.25	0.65	1760	15.31	9.95	0.65	1826	14.24	9.25	0.65	1918	14.09	9.16	0.65	1937	11.63	7.56	0.65	2011
	72	68	18.14	9.62	0.53	1439	17.96	9.52	0.53	1452	17.77	9.42	0.53	1465	17.54	9.30	0.53	1477	17.37	9.20	0.53	1484	17.18	9.10	0.53	1533	16.94	8.98	0.53	1600	16.64	8.82	0.53	1706	16.25	8.61	0.53	1784	15.78	8.36	0.53	1850	14.67	7.78	0.53	1942	14.53	7.70	0.53	1961	11.98	6.35	0.53	2035
	72	72	18.45	7.57	0.41	1456	18.27	7.49	0.41	1468	18.07	7.41	0.41	1482	17.84	7.31	0.41	1493	17.66	7.24	0.41	1501	17.47	7.16	0.41	1549	17.23	7.06	0.41	1616	16.92	6.94	0.41	1722	16.53	6.78	0.41	1800	16.05	6.58	0.41	1866	14.92	6.12	0.41	1958	14.77	6.06	0.41	1977	12.19	5.00	0.41	2051
	73	64	17.96	12.40	0.69	1430	17.79	12.27	0.69	1443	17.59	12.14	0.69	1456	17.37	11.98	0.69	1468	17.19	11.86	0.69	1475	17.01	11.74	0.69	1524	16.77	11.57	0.69	1592	16.48	11.37	0.69	1699	16.09	11.10	0.69	1778	15.62	10.78	0.69	1845	14.53	10.02	0.69	1938	14.38	9.92	0.69	1957	11.87	8.19	0.69	2032
	73	68	18.51	10.55	0.57	1454	18.33	10.45	0.57	1467	18.13	10.33	0.57	1480	17.90	10.20	0.57	1492	17.72	10.10	0.57	1499	17.53	9.99	0.57	1548	17.29	9.85	0.57	1616	16.98	9.68	0.57	1723	16.58	9.45	0.57	1802	16.10	9.18	0.57	1869	14.97	8.53	0.57	1962	14.82	8.45	0.57	1981	12.23	6.97	0.57	2056
	73	72	18.83	8.47	0.45	1470	18.64	8.39	0.45	1483	18.44	8.30	0.45	1496	18.20	8.19	0.45	1508	18.02	8.11	0.45	1516	17.83	8.02	0.45	1565	17.58	7.91	0.45	1632	17.27	7.77	0.45	1740	16.86	7.59	0.45	1818	16.37	7.37	0.45	1885	15.23	6.85	0.45	1978	15.07	6.78	0.45	1997	12.44	5.60	0.45	2072
	75	64	18.33	13.38	0.73	1444	18.15	13.25	0.73	1458	17.95	13.10	0.73	1471	17.72	12.94	0.73	1483	17.55	12.81	0.73	1490	17.35	12.67	0.73	1540	17.12	12.49	0.73	1608	16.81	12.27	0.73	1717	16.42	11.99	0.73	1796	15.94	11.64	0.73	1863	14.82	10.82	0.73	1957	14.68	10.71	0.73	1977	12.11	8.84	0.73	2052
	75	68	18.89	11.52	0.61	1469	18.70	11.41	0.61	1482	18.50	11.29	0.61	1495	18.26	11.14	0.61	1507	18.08	11.03	0.61	1515	17.89	10.91	0.61	1564	17.64	10.76	0.61	1632	17.33	10.57	0.61	1741	16.92	10.32	0.61	1820	16.43	10.02	0.61	1888	15.28	9.32	0.61	1981	15.13	9.23	0.61	2001	12.48	7.61	0.61	2077
	75	72	19.21	9.41	0.49	1485	19.02	9.32	0.49	1498	18.82	9.22	0.49	1512	18.57	9.10	0.49	1524	18.39	9.01	0.49	1531	18.19	8.91	0.49	1581	17.94	8.79	0.49	1649	17.62	8.63	0.49	1757	17.21	8.43	0.49	1837	16.71	8.19	0.49	1904	15.54	7.61	0.49	1998	15.38	7.54	0.49	2018	12.69	6.22	0.49	2093
	75	75	19.48	7.21	0.37	1504	19.29	7.14	0.37	1518	19.08	7.06	0.37	1531	18.83	6.97	0.37	1543	18.65	6.90	0.37	1550	18.44	6.82	0.37	1600	18.19	6.73	0.37	1668	17.87	6.61	0.37	1777	17.45	6.46	0.37	1856	16.94	6.27	0.37	1924	15.76	5.83	0.37	2017	15.60	5.77	0.37	2037	12.87	4.76	0.37	2112
	77	64	18.90	14.55	0.77	1459	18.71	14.41	0.77	1472	18.51	14.25	0.77	1486	18.27	14.07	0.77	1498	18.09	13.93	0.77	1505	17.89	13.78	0.77	1555	17.64	13.59	0.77	1624	17.33	13.35	0.77	1734	16.93	13.03	0.77	1814	16.43	12.65	0.77	1882	15.28	11.77	0.77	1977	15.13	11.65	0.77	1997	12.48	9.61	0.77	2073
	77	68	19.48	12.66	0.65	1483	19.28	12.53	0.65	1497	19.07	12.40	0.65	1510	18.83	12.24	0.65	1522	18.64	12.12	0.65	1530	18.44	11.99	0.65	1580	18.18	11.82	0.65	1649	17.86	11.61	0.65	1758	17.44	11.34	0.65	1839	16.94	11.01	0.65	1907	15.75	10.24	0.65	2001	15.59	10.14	0.65	2021	12.86	8.36	0.65	2098
	77	72	19.81	10.50	0.53	1500	19.61	10.39	0.53	1513	19.40	10.28	0.53	1527	19.15	10.15	0.53	1539	18.96	10.05	0.53	1547	18.75	9.94	0.53	1597	18.49	9.80	0.53	1665	18.17	9.63	0.53	1775	17.74	9.40	0.53	1855	17.22	9.13	0.53	1923	16.02	8.49	0.53	2018	15.86	8.40	0.53	2038	13.08	6.93	0.53	2114
	77	75	20.08	8.23	0.41	1520	19.89	8.15	0.41	1533	19.67	8.06	0.41	1546	19.42	7.96	0.41	1559	19.22	7.88	0.41	1566	19.02	7.80	0.41	1616	18.75	7.69	0.41	1685	18.42	7.55	0.41	1795	17.99	7.38	0.41	1875	17.47	7.16	0.41	1943	16.24	6.66	0.41	2038	16.08	6.59	0.41	2058	13.27	5.44	0.41	2134
	79	64	19.48	15.78	0.81	1474	19.29	15.62	0.81	1487	19.08	15.45	0.81	1501	18.83	15.26	0.81	1513	18.65	15.10	0.81	1521	18.44	14.94	0.81	1571	18.19	14.73	0.81	1640	17.87	14.47	0.81	1751	17.45	14.13	0.81	1832	16.94	13.72	0.81	1901	15.76	12.76	0.81	1997	15.60	12.63	0.81	2017	12.87	10.42	0.81	2094
	79	68	20.08	13.85	0.69	1498	19.88	13.72	0.69	1512	19.66	13.57	0.69	1525	19.41	13.39	0.69	1538	19.22	13.26	0.69	1545	19.01	13.12	0.69	1596	18.75	12.94	0.69	1665	18.42	12.71	0.69	1776	17.98	12.41	0.69	1857	17.46	12.05	0.69	1926	16.24	11.20	0.69	2022	16.08	11.09	0.69	2042	13.26	9.15	0.69	2119
	79	72	20.42	11.64	0.57	1515	20.22	11.52	0.57	1529	20.00	11.40	0.57	1542	19.74	11.25	0.57	1554	19.55	11.14	0.57	1562	19.33	11.02	0.57	1613	19.07	10.87	0.57	1682	18.73	10.68	0.57	1793	18.29	10.43	0.57	1874	17.76	10.12	0.57	1943	16.51	9.41	0.57	2038	16.35	9.32	0.57	2059	13.49	7.69	0.57	2136
	79	75	20.71	9.32	0.45	1535	20.50	9.23	0.45	1549	20.28	9.12	0.45	1562	20.02	9.01	0.45	1574	19.82	8.92	0.45	1582	19.60	8.82	0.45	1633	19.33	8.70	0.45	1702	18.99	8.55	0.45	1813	18.55	8.35	0.45	1894	18.01	8.10	0.45	1963	16.75	7.54	0.45	2058	16.58	7.46	0.45	2078	13.68	6.15	0.45	2155
	79	79	21.04	6.94	0.33	1558	20.83	6.87	0.33	1571	20.60	6.80	0.33	1585	20.34	6.71	0.33	1597	20.14	6.64	0.33	1605	19.92	6.57	0.33	1655	19.64	6.48	0.33	1725	19.29	6.37	0.33	1836	18.84	6.22	0.33	1917	18.29	6.04	0.33	1985	17.01	5.61	0.33	2081	16.84	5.56	0.33	2101	13.90	4.59	0.33	2178
	81	64	19.88	16.90	0.85	1489	19.68	16.73	0.85	1502	19.47	16.55	0.85	1516	19.22	16.34	0.85	1528	19.03	16.17	0.85	1536	18.82	16.00	0.85	1587	18.56	15.78	0.85	1657	18.23	15.50	0.85	1769	17.81	15.13	0.85	1851	17.29	14.69	0.85	1921	16.08	13.67	0.85	2017	15.92	13.53	0.85	2037	13.13	11.16	0.85	2115
	81	66	20.29	16.03	0.79	1499	20.08	15.87	0.79	1512	19.87	15.69	0.79	1526	19.61	15.49	0.79	1538	19.42	15.34	0.79	1546	19.21	15.17	0.79	1597	18.94	14.96	0.79	1667	18.61	14.70	0.79	1779	18.17	14.35	0.79	1861	17.64	13.94	0.79	1931	16.41	12.96	0.79	2027	16.24	12.83	0.79	2047	13.40	10.59	0.79	2125
	81	68	20.49	14.96	0.73	1514	20.29	14.81	0.73	1527	20.06	14.65	0.73	1541	19.81	14.46	0.73	1553	19.61	14.32	0.73	1561	19.40	14.16	0.73	1612	19.13	13.96	0.73	1682	18.79	13.72	0.73	1794	18.35	13.40	0.73	1876	17.82	13.01	0.73	1946	16.57	12.10	0.73	2042	16.40	11.97	0.73	2062	13.53	9.88	0.73	2140
	81	72	20.84	12.71	0.61	1531	20.63	12.58	0.61	1544	20.41	12.45	0.61	1558	20.14	12.29	0.61	1570	19.94	12.17	0.61	1578	19.73	12.03	0.61	1629	19.45	11.87	0.61	1699	19.11	11.66	0.61	1811	18.66	11.38	0.61	1893	18.12	11.05	0.61	1963	16.85	10.28	0.61	2059	16.68	10.18	0.61	2079	13.76	8.40	0.61	2157
	81	75	21.13	10.35	0.49	1551	20.92	10.25	0.49	1564	20.69	10.14	0.49	1578	20.43	10.01	0.49	1590	20.22	9.91	0.49	1598	20.00	9.80	0.49	1649	19.73	9.67	0.49	1719	19.38	9.50	0.49	1831	18.92	9.27	0.49	1913	18.37	9.00	0.49	1983	17.09	8.37	0.49	2079	16.92	8.29	0.49	2099	13.96	6.84	0.49	2177
	81	79	21.47	7.94	0.37	1574	21.25	7.86	0.37	1587	21.02	7.78	0.37	1601	20.75	7.68	0.37	1613	20.55	7.60	0.37	1621	20.32	7.52	0.37	1672	20.04	7.42	0.37	1742	19.69	7.28	0.37	1854	19.23	7.11	0.37	1936	18.67	6.91	0.37	2006	17.36	6.42	0.37	2102	17.19	6.36	0.37	2122	14.18	5.25	0.37	2200
	82	64	20.08	17.87	0.89	1503	19.88	17.69	0.89	1517	19.66	17.50	0.89	1531	19.41	17.28	0.89	1543	19.22	17.10	0.89	1551	19.01	16.92	0.89	1603	18.75	16.68	0.89	1674	18.42	16.39	0.89	1787	17.98	16.01	0.89	1870	17.46	15.54	0.89	1940	16.24	14.45	0.89	2037	16.08	14.31	0.89	2058	13.26	11.80	0.89	2136
	82	68	20.49	15.78	0.77	1529	20.29	15.62	0.77	1542	20.06	15.45	0.77	1556	19.81	15.25	0.77	1569	19.61	15.10	0.77	1577	19.40	14.94	0.77	1628	19.13	14.73	0.77	1699	18.79	14.47	0.77	1812	18.35	14.13	0.77	1895	17.82	13.72	0.77	1965	16.57	12.76	0.77	2062	16.40	12.63	0.77	2083	13.53	10.42	0.77	2161
	82	72	20.69	13.45	0.65	1546	20.49	13.32	0.65	1560	20.26	13.17	0.65	1573	20.00	13.00	0.65	1586	19.81	12.87	0.65	1594	19.59	12.73	0.65	1645	19.32	12.56	0.65	1716	18.98	12.34	0.65	1829	18.53	12.05	0.65	1912	17.99	11.70	0.65	1982	16.73	10.88	0.65	2080	16.57	10.77	0.65	2100	13.67	8.88	0.65	2179
	82	75	21.04	11.15	0.53	1566	20.84	11.04	0.53	1580	20.61	10.92	0.53	1594	20.35	10.78	0.53	1606	20.14	10.68	0.53	1614	19.92	10.56	0.53	1666	19.65	10.41	0.53	1736	19.30	10.23	0.53	1849	18.85	9.99	0.53	1932	18.30	9.70	0.53	2002	17.02	9.02	0.53	2100	16.85	8.93	0.53	2120	13.90	7.37	0.53	2199
	82	79	21.34	8.75	0.41	1589	21.13	8.66	0.41	1603	20.90	8.57	0.41	1617	20.63	8.46	0.41	1629	20.43	8.37	0.41	1637	20.20	8.28	0.41	1689	19.92	8.17	0.41	1759	19.57	8.02	0.41	1873	19.11	7.84	0.41	1955	18.56	7.61	0.41	2026	17.26	7.08	0.41	2123	17.09	7.00	0.41	2144	14.10	5.78	0.41	2222
	84	64	20.28	18.45	0.91	1518	20.08	18.27	0.91	1532	19.86	18.07	0.91	1546	19.60	17.84	0.91	1559	19.41	17.66	0.91	1567	19.20	17.47	0.91	1619	18.93	17.23	0.91	1690	18.60	16.93	0.91	1805	18.16	16.53	0.91	1888	17.63	16.05	0.91	1959	16.40	14.92	0.91	2058	16.24	14.77	0.91	2078	13.39	12.19	0.91	2158
	84	68	20.69	16.76	0.81	1544	20.49	16.60	0.81	1558	20.26	16.41	0.81	1572	20.00	16.20	0.81	1584	19.81	16.04	0.81	1592	19.59	15.87	0.81	1644	19.32	15.65	0.81	1716	18.98	15.37	0.81	1830	18.53	15.01	0.81	1914	17.99	14.58	0.81	1985	16.73	13.56	0.81	2083	16.57	13.42	0.81	2104	13.67	11.07	0.81	2183
	84	72	21.11	14.56	0.69	1561	20.90	14.42	0.69	1575	20.67	14.26	0.69	1589	20.41	14.08	0.69	1602	20.20	13.94	0.69	1610	19.98	13.79	0.69	1662	19.71	13.60	0.69	1733	19.36	13.36	0.69	1848	18.91	13.04	0.69	1931	18.35	12.66	0.69	2002	17.07	11.78	0.69	2100	16.90	11.66	0.69	2121	13.94	9.62	0.69	2200
	84	75	21.25	12.12	0.57	1582	21.04	12.00	0.57	1596	20.82	11.86	0.57	1610	20.55	11.71	0.57	1622	20.35	11.60	0.57	1630	20.12	11.47	0.57	1682	19.85	11.31	0.57	1754	19.49	11.11	0.57	1868	19.04	10.85	0.57	1951	18.48	10.54	0.57	2022	17.19	9.80	0.57	2121	17.02	9.70	0.57	2141	14.04	8.00	0.57	2221
	84	79	21.55	9.70	0.45	1605	21.34	9.60	0.45	1619	21.11	9.50	0.45	1633	20.84	9.38	0.45	1646	20.63	9.28	0.45	1653	20.41	9.18	0.45	1706	20.12	9.06	0.45	1777	19.77	8.90	0.45	1891	19.30	8.69	0.45	1975	18.74	8.43	0.45	2046	17.43	7.84	0.45	2144	17.26	7.77	0.45	2165	14.24	6.41	0.45	2244
	86	64	20.48	18.64	0.91	1534	20.28	18.45	0.91	1548	20.06	18.25	0.91	1562	19.80	18.02	0.91	1574	19.60	17.84	0.91	1582	19.39	17.65	0.91	1635	19.12	17.40	0.91	1707	18.79	17.09	0.91	1823	18.35	16.69	0.91	1907	17.81	16.21	0.91	1979	16.56	15.07	0.91	2078	16.40	14.92	0.91	2099	13.53	12.31	0.91	2179
	86	68	20.90	17.76	0.85	1559	20.69	17.59	0.85	1573	20.47	17.40	0.85	1588	20.20	17.17	0.85	1600	20.00	17.00	0.85	1608	19.79	16.82	0.85	1661	19.51	16.59	0.85	1733	19.17	16.29	0.85	1848	18.72	15.91	0.85	1933	18.17	15.45	0.85	2004	16.90	14.37	0.85	2104	16.73	14.22	0.85	2125	13.80	11.73	0.85	2205
	86	72	21.32	15.56	0.73	1577	21.11	15.41	0.73	1591	20.88	15.24	0.73	1605	20.61	15.04	0.73	1618	20.41	14.90	0.73	1626	20.18	14.73	0.73	1678	19.90	14.53	0.73	1751	19.55	14.27	0.73	1866	19.09	13.94	0.73	1950	18.54	13.53	0.73	2022	17.24	12.59	0.73	2121	17.07	12.46	0.73	2142	14.08	10.28	0.73	2222
	86	75	21.47	13.10	0.61	1598	21.25	12.97	0.61	1612	21.02	12.82	0.61	1626	20.75	12.66	0.61	1638	20.55	12.53	0.61	1646	20.32	12.40	0.61	1699	20.04	12.23	0.61	1771	19.69	12.01	0.61	1887	19.23	11.73	0.61	1971	18.67	11.39	0.61	2043	17.36	10.59	0.61	2142	17.19	10.48	0.61	2163	14.18	8.65	0.61	2243
	86	79	21.77	10.67	0.49	1621	21.55	10.56	0.49	1635	21.32	10.45	0.49	1649	21.04	10.31	0.49	1662	20.84	10.21	0.49	1670	20.61	10.10	0.49	1723	20.32	9.96	0.49	1795	19.97	9.78	0.49	1910	19.50	9.55	0.49	1995	18.93	9.28	0.49	2066	17.60	8.63	0.49	2166	17.43	8.54	0.49	2187	14.38	7.05	0.49	2267
	88	64	20.69	18.82	0.91	1549	20.48	18.64	0.91	1563	20.26	18.44	0.91	1577	20.00	18.20	0.91	1590	19.80	18.02	0.91	1598	19.59	17.82	0.91	1651	19.32	17.58	0.91	1724	18.97	17.27	0.91	1841	18.53	16.86	0.91	1926	17.99	16.37	0.91	1998	16.73	15.22	0.91	2099	16.56	15.07	0.91	2120	13.66	12.43	0.91	2201
	88	68	21.11	18.79	0.89	1575	20.90	18.60	0.89	1589	20.67	18.40	0.89	1603	20.41	18.16	0.89	1616	20.20	17.98	0.89	1624	19.99	17.79	0.89	1677	19.71	17.54	0.89	1750	19.36	17.23	0.89	1867	18.91	16.83	0.89	1952	18.36	16.34	0.89	2024	17.07	15.19	0.89	2125	16.90	15.04	0.89	2146	13.94	12.41	0.89	2227
	88	72	21.53	16.58	0.77	1593	21.32	16.41	0.77	1607	21.09	16.24	0.77	1621	20.82	16.03	0.77	1634	20.61	15.87	0.77	1642	20.38	15.70	0.77	1695	20.10	15.48	0.77	1768	19.75	15.21	0.77	1885	19.29	14.85	0.77	1970	18.72	14.42	0.77	2042	17.41	13.41	0.77	2143	17.24	13.27	0.77	2164	14.22	10.95	0.77	2245
	88	75	21.68	14.09	0.65	1613	21.47	13.95	0.65	1628	21.23	13.80	0.65	1642	20.96	13.62	0.65	1655	20.75	13.49	0.65	1663	20.53	13.34	0.65	1716	20.24	13.16	0.65	1789	19.89	12.93	0.65	1905	19.42	12.62	0.65	1991	18.85	12.26	0.65	2063	17.54	11.40	0.65	2163	17.36	11.28	0.65	2185	14.32	9.31	0.65	2265
	88	79	21.99	11.65	0.53	1637	21.77	11.54	0.53	1652	21.53	11.41	0.53	1666	21.25	11.27	0.53	1679	21.04	11.15	0.53	1687	20.82	11.03	0.53	1740	20.53	10.88	0.53	1813	20.17	10.69	0.53	1929	19.69	10.44	0.53	2015	19.12	10.13	0.53	2087	17.78	9.42	0.53	2187	17.60	9.33	0.53	2208	14.52	7.70	0.53	2289
	90	64	20.89	19.01	0.91	1564	20.69	18.82	0.91	1579	20.46	18.62	0.91	1593	20.20	18.38	0.91	1606	20.00	18.20	0.91	1614	19.78	18.00	0.91	1668	19.51	17.75	0.91	1742	19.16	17.44	0.91	1859	18.71	17.03	0.91	1945	18.17	16.53	0.91	2018	16.90	15.38	0.91	2120	16.73	15.22	0.91	2141	13.80	12.56	0.91	2223
	90	68	21.32	19.40	0.91	1591	21.11	19.21	0.91	1605	20.88	19.00	0.91	1619	20.61	18.76	0.91	1632	20.41	18.57	0.91	1641	20.18	18.37	0.91	1694	19.91	18.11	0.91	1768	19.55	17.79	0.91	1886	19.10	17.38	0.91	1972	18.54	16.87	0.91	2045	17.24	15.69	0.91	2146	17.07	15.53	0.91	2167	14.08	12.82	0.91	2249
	90	72	21.75	17.61	0.81	1609	21.53	17.44	0.81	1623	21.30	17.25	0.81	1637	21.02	17.03	0.81	1650	20.82	16.86	0.81	1658	20.59	16.68	0.81	1712	20.30	16.45	0.81	1786	19.95	16.16	0.81	1904	19.48	15.78	0.81	1990	18.91	15.32	0.81	2063	17.59	14.25	0.81	2164	17.41	14.10	0.81	2185	14.36	11.63	0.81	2267
	90	75	21.90	15.11	0.69	1630	21.68	14.96	0.69	1644	21.45	14.80	0.69	1658	21.17	14.61	0.69	1671	20.96	14.46	0.69	1679	20.73	14.31	0.69	1733	20.45	14.11	0.69	1807	20.09	13.86	0.69	1925	19.61	13.53	0.69	2011	19.04	13.14	0.69	2084	17.71	12.22	0.69	2185	17.53	12.10	0.69	2206	14.47	9.98	0.69	2288
	90	79	22.21	12.66	0.57	1654	21.99	12.53	0.57	1668	21.75	12.40	0.57	1683	21.47	12.24	0.57	1695	21.25	12.12	0.57	1704	21.02	11.98	0.57	1757	20.73	11.82	0.57	1831	20.37	11.61	0.57	1949	19.89	11.34	0.57	2035	19.31	11.01	0.57	2108	17.96	10.24	0.57	2209	17.78	10.13	0.57	2231	14.67	8.36	0.57	2312

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	10.94	6.67	0.61	2005	9.74	5.94	0.61	2046	9.35	5.70	0.61	2066	8.88	5.42	0.61	2108
	70	68	11.39	5.58	0.49	2029	10.14	4.97	0.49	2069	9.73	4.77	0.49	2090	9.25	4.53	0.49	2131
	72	64	11.28	7.33	0.65	2026	10.04	6.53	0.65	2066	9.64	6.26	0.65	2087	9.16	5.95	0.65	2129
	72	68	11.62	6.16	0.53	2049	10.35	5.48	0.53	2090	9.93	5.26	0.53	2111	9.44	5.00	0.53	2153
	72	72	11.82	4.85	0.41	2066	10.52	4.31	0.41	2106	10.10	4.14	0.41	2127	9.60	3.93	0.41	2169
	73	64	11.51	7.94	0.69	2046	10.24	7.07	0.69	2087	9.83	6.79	0.69	2108	9.34	6.45	0.69	2150
	73	68	11.86	6.76	0.57	2070	10.56	6.02	0.57	2111	10.13	5.78	0.57	2132	9.63	5.49	0.57	2174
	73	72	12.06	5.43	0.45	2086	10.74	4.83	0.45	2127	10.31	4.64	0.45	2148	9.79	4.41	0.45	2191
	75	64	11.74	8.57	0.73	2067	10.45	7.63	0.73	2108	10.03	7.33	0.73	2129	9.53	6.96	0.73	2172
	75	68	12.10	7.38	0.61	2091	10.77	6.57	0.61	2132	10.34	6.31	0.61	2154	9.82	5.99	0.61	2196
	75	72	12.31	6.03	0.49	2107	10.96	5.37	0.49	2149	10.52	5.15	0.49	2170	9.99	4.90	0.49	2213
	75	75	12.48	4.62	0.37	2127	11.11	4.11	0.37	2168	10.66	3.95	0.37	2190	10.13	3.75	0.37	2232
	77	64	12.11	9.32	0.77	2088	10.78	8.30	0.77	2130	10.34	7.97	0.77	2151	9.83	7.57	0.77	2194
	77	68	12.48	8.11	0.65	2112	11.11	7.22	0.65	2154	10.66	6.93	0.65	2175	10.13	6.58	0.65	2219
	77	72	12.69	6.73	0.53	2129	11.29	5.99	0.53	2171	10.84	5.75	0.53	2192	10.30	5.46	0.53	2235
	77	75	12.87	5.28	0.41	2148	11.45	4.70	0.41	2190	10.99	4.51	0.41	2212	10.44	4.28	0.41	2255
	79	64	12.48	10.11	0.81	2109	11.11	9.00	0.81	2151	10.66	8.64	0.81	2173	10.13	8.21	0.81	2216
	79	68	12.86	8.88	0.69	2133	11.45	7.90	0.69	2176	10.99	7.58	0.69	2197	10.44	7.20	0.69	2241
	79	72	13.08	7.46	0.57	2150	11.64	6.64	0.57	2193	11.18	6.37	0.57	2214	10.62	6.05	0.57	2258
	79	75	13.27	5.97	0.45	2170	11.81	5.31	0.45	2212	11.33	5.10	0.45	2234	10.77	4.85	0.45	2278
	79	79	13.48	4.45	0.33	2193	12.00	3.96	0.33	2235	11.52	3.80	0.33	2257	10.94	3.61	0.33	2300
	81	64	12.74	10.83	0.85	2130	11.34	9.64	0.85	2173	10.88	9.25	0.85	2195	10.34	8.79	0.85	2239
	81	66	13.00	10.27	0.79	2140	11.57	9.14	0.79	2183	11.10	8.77	0.79	2205	10.55	8.33	0.79	2249
	81	68	13.13	9.58	0.73	2155	11.68	8.53	0.73	2198	11.22	8.19	0.73	2220	10.65	7.78	0.73	2264
	81	72	13.35	8.14	0.61	2172	11.88	7.25	0.61	2215	11.41	6.96	0.61	2237	10.84	6.61	0.61	2281
	81	75	13.54	6.63	0.49	2192	12.05	5.90	0.49	2235	11.57	5.67	0.49	2257	10.99	5.38	0.49	2301
	81	79	13.75	5.09	0.37	2215	12.24	4.53	0.37	2258	11.75	4.35	0.37	2280	11.16	4.13	0.37	2324
	82	64	12.86	11.45	0.89	2151	11.45	10.19	0.89	2194	10.99	9.78	0.89	2217	10.44	9.29	0.89	2261
	82	68	13.13	10.11	0.77	2177	11.68	9.00	0.77	2220	11.22	8.64	0.77	2242	10.65	8.20	0.77	2286
	82	72	13.26	8.62	0.65	2194	11.80	7.67	0.65	2237	11.33	7.36	0.65	2259	10.76	6.99	0.65	2303
	82	75	13.48	7.15	0.53	2214	12.00	6.36	0.53	2257	11.52	6.11	0.53	2279	10.94	5.80	0.53	2324
	82	79	13.67	5.61	0.41	2237	12.17	4.99	0.41	2280	11.68	4.79	0.41	2302	11.10	4.55	0.41	2347
	84	64	12.99	11.82	0.91	2173	11.56	10.52	0.91	2216	11.10	10.10	0.91	2239	10.55	9.60	0.91	2284
	84	68	13.26	10.74	0.81	2198	11.80	9.56	0.81	2242	11.33	9.18	0.81	2264	10.76	8.72	0.81	2309
	84	72	13.52	9.33	0.69	2216	12.04	8.30	0.69	2259	11.55	7.97	0.69	2282	10.98	7.57	0.69	2327
	84	75	13.62	7.76	0.57	2236	12.12	6.91	0.57	2280	11.64	6.63	0.57	2302	11.05	6.30	0.57	2347
	84	79	13.81	6.21	0.45	2259	12.29	5.53	0.45	2303	11.80	5.31	0.45	2325	11.21	5.04	0.45	2370
	86	64	13.12	11.94	0.91	2195	11.68	10.63	0.91	2239	11.21	10.20	0.91	2261	10.65	9.69	0.91	2307
	86	68	13.39	11.38	0.85	2220	11.92	10.13	0.85	2264	11.44	9.72	0.85	2287	10.87	9.24	0.85	2332
	86	72	13.66	9.97	0.73	2238	12.16	8.87	0.73	2282	11.67	8.52	0.73	2304	11.09	8.09	0.73	2350
	86	75	13.75	8.39	0.61	2258	12.24	7.47	0.61	2302	11.75	7.17	0.61	2325	11.16	6.81	0.61	2370
	86	79	13.95	6.83	0.49	2282	12.41	6.08	0.49	2326	11.92	5.84	0.49	2349	11.32	5.55	0.49	2394
	88	64	13.25	12.06	0.91	2216	11.80	10.73	0.91	2261	11.32	10.31	0.91	2284	10.76	9.79	0.91	2330
	88	68	13.52	12.04	0.89	2242	12.04	10.71	0.89	2287	11.56	10.28	0.89	2310	10.98	9.77	0.89	2356
	88	72	13.80	10.62	0.77	2260	12.28	9.45	0.77	2305	11.79	9.08	0.77	2327	11.20	8.62	0.77	2373
	88	75	13.89	9.03	0.65	2281	12.36	8.04	0.65	2326	11.87	7.72	0.65	2348	11.28	7.33	0.65	2394
	88	79	14.09	7.47	0.53	2305	12.54	6.64	0.53	2349	12.04	6.38	0.53	2372	11.43	6.06	0.53	2418
	90	64	13.39	12.18	0.91	2239	11.91	10.84	0.91	2284	11.44	10.41	0.91	2307	10.87	9.89	0.91	2353
	90	68	13.66	12.43	0.91	2265	12.16	11.06	0.91	2310	11.67	10.62	0.91	2333	11.09	10.09	0.91	2379
	90	72	13.93	11.29	0.81	2283	12.40	10.04	0.81	2328	11.90	9.64	0.81	2351	11.31	9.16	0.81	2397
	90	75	14.03	9.68	0.69	2304	12.49	8.62	0.69	2349	11.99	8.27	0.69	2372	11.39	7.86	0.69	2418
	90	79	14.23	8.11	0.57	2328	12.66	7.22	0.57	2373	12.16	6.93	0.57	2396	11.55	6.58	0.57	2442

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Cooling up to 2 indoor units series)

Cooling Operation PERFORMANCE DATA

OUTDOOR DB (°F)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
	70	64	16.55	10.10	0.61	1387	16.39	10.00	0.61	1400	16.21	9.89	0.61	1413	16.00	9.76	0.61	1424
	70	68	17.24	8.45	0.49	1411	17.07	8.36	0.49	1423	16.88	8.27	0.49	1436	16.66	8.17	0.49	1448
	72	64	17.07	11.09	0.65	1401	16.90	10.98	0.65	1414	16.71	10.86	0.65	1427	16.50	10.72	0.65	1439
	72	68	17.59	9.32	0.53	1425	17.41	9.23	0.53	1438	17.22	9.13	0.53	1451	17.00	9.01	0.53	1462
	72	72	17.89	7.33	0.41	1441	17.71	7.26	0.41	1454	17.52	7.18	0.41	1467	17.29	7.09	0.41	1478
	73	64	17.41	12.02	0.69	1415	17.24	11.90	0.69	1428	17.05	11.77	0.69	1441	16.84	11.62	0.69	1453
	73	68	17.95	10.23	0.57	1439	17.77	10.13	0.57	1452	17.58	10.02	0.57	1465	17.35	9.89	0.57	1477
	73	72	18.25	8.21	0.45	1456	18.07	8.13	0.45	1469	17.87	8.04	0.45	1482	17.65	7.94	0.45	1493
	75	64	17.77	12.97	0.73	1430	17.59	12.84	0.73	1443	17.40	12.70	0.73	1456	17.18	12.54	0.73	1468
	75	68	18.31	11.17	0.61	1454	18.13	11.06	0.61	1467	17.93	10.94	0.61	1480	17.70	10.80	0.61	1492
	75	72	18.62	9.13	0.49	1470	18.44	9.04	0.49	1483	18.24	8.94	0.49	1497	18.01	8.82	0.49	1508
	75	75	18.89	6.99	0.37	1490	18.70	6.92	0.37	1503	18.49	6.84	0.37	1516	18.26	6.76	0.37	1528
	77	64	18.32	14.11	0.77	1444	18.14	13.97	0.77	1457	17.94	13.81	0.77	1471	17.71	13.64	0.77	1483
	77	68	18.88	12.27	0.65	1469	18.69	12.15	0.65	1482	18.49	12.02	0.65	1495	18.25	11.86	0.65	1507
	77	72	19.20	10.18	0.53	1485	19.01	10.08	0.53	1498	18.80	9.97	0.53	1512	18.56	9.84	0.53	1524
	77	75	19.47	7.98	0.41	1505	19.28	7.90	0.41	1518	19.07	7.82	0.41	1531	18.82	7.72	0.41	1543
	79	64	18.89	15.30	0.81	1459	18.70	15.15	0.81	1472	18.49	14.98	0.81	1485	18.26	14.79	0.81	1498
	79	68	19.46	13.43	0.69	1483	19.27	13.30	0.69	1497	19.06	13.15	0.69	1510	18.82	12.98	0.69	1522
	79	72	19.79	11.28	0.57	1500	19.60	11.17	0.57	1514	19.39	11.05	0.57	1527	19.14	10.91	0.57	1539
	79	75	20.07	9.03	0.45	1520	19.87	8.94	0.45	1533	19.66	8.85	0.45	1547	19.40	8.73	0.45	1559
	79	79	20.39	6.73	0.33	1543	20.19	6.66	0.33	1556	19.97	6.59	0.33	1570	19.71	6.51	0.33	1582
	81	64	19.27	16.38	0.85	1473	19.08	16.22	0.85	1487	18.87	16.04	0.85	1500	18.63	15.84	0.85	1513
	81	66	19.66	15.53	0.79	1483	19.47	15.38	0.79	1497	19.26	15.21	0.79	1510	19.01	15.02	0.79	1523
	81	68	19.86	14.50	0.73	1498	19.66	14.35	0.73	1512	19.45	14.20	0.73	1525	19.20	14.02	0.73	1538
	81	72	20.20	12.32	0.61	1515	20.00	12.20	0.61	1529	19.78	12.07	0.61	1542	19.53	11.91	0.61	1555
	81	75	20.48	10.04	0.49	1535	20.28	9.94	0.49	1549	20.06	9.83	0.49	1562	19.80	9.70	0.49	1575
80%	81	79	20.81	7.70	0.37	1558	20.60	7.62	0.37	1572	20.38	7.54	0.37	1585	20.12	7.44	0.37	1598
	82	64	19.46	17.32	0.89	1488	19.27	17.15	0.89	1502	19.06	16.96	0.89	1515	18.82	16.75	0.89	1528
	82	68	19.86	15.29	0.77	1513	19.66	15.14	0.77	1527	19.45	14.98	0.77	1541	19.20	14.78	0.77	1553
	82	72	20.06	13.04	0.65	1531	19.86	12.91	0.65	1544	19.64	12.77	0.65	1558	19.39	12.61	0.65	1570
	82	75	20.40	10.81	0.53	1551	20.20	10.71	0.53	1564	19.98	10.59	0.53	1578	19.72	10.45	0.53	1590
	82	79	20.69	8.48	0.41	1574	20.48	8.40	0.41	1588	20.26	8.31	0.41	1601	20.00	8.20	0.41	1614
	84	64	19.66	17.89	0.91	1503	19.46	17.71	0.91	1517	19.25	17.52	0.91	1531	19.00	17.29	0.91	1543
	84	68	20.06	16.25	0.81	1529	19.86	16.09	0.81	1542	19.64	15.91	0.81	1556	19.39	15.71	0.81	1569
	84	72	20.46	14.12	0.69	1546	20.26	13.98	0.69	1560	20.04	13.83	0.69	1573	19.78	13.65	0.69	1586
	84	75	20.60	11.74	0.57	1566	20.40	11.63	0.57	1580	20.18	11.50	0.57	1594	19.92	11.35	0.57	1606
	84	79	20.89	9.40	0.45	1590	20.69	9.31	0.45	1603	20.46	9.21	0.45	1617	20.20	9.09	0.45	1630
	86	64	19.85	18.07	0.91	1518	19.66	17.89	0.91	1532	19.44	17.69	0.91	1546	19.19	17.47	0.91	1558
	86	68	20.26	17.22	0.85	1544	20.06	17.05	0.85	1558	19.84	16.86	0.85	1572	19.59	16.65	0.85	1584
	86	72	20.67	15.09	0.73	1561	20.46	14.94	0.73	1575	20.24	14.77	0.73	1589	19.98	14.58	0.73	1602
	86	75	20.81	12.69	0.61	1582	20.60	12.57	0.61	1596	20.38	12.43	0.61	1610	20.12	12.27	0.61	1622
	86	79	21.10	10.34	0.49	1606	20.89	10.24	0.49	1620	20.67	10.13	0.49	1634	20.40	10.00	0.49	1646
	88	64	20.05	18.25	0.91	1533	19.85	18.07	0.91	1547	19.64	17.87	0.91	1561	19.39	17.64	0.91	1574
	88	68	20.46	18.21	0.89	1559	20.26	18.03	0.89	1573	20.04	17.84	0.89	1587	19.78	17.61	0.89	1600
	88	72	20.87	16.07	0.77	1577	20.67	15.91	0.77	1591	20.44	15.74	0.77	1605	20.18	15.54	0.77	1618
	88	75	21.02	13.66	0.65	1598	20.81	13.53	0.65	1612	20.58	13.38	0.65	1626	20.32	13.21	0.65	1639
	88	79	21.31	11.30	0.53	1622	21.10	11.18	0.53	1636	20.87	11.06	0.53	1650	20.60	10.92	0.53	1663
	90	64	20.25	18.43	0.91	1549	20.05	18.25	0.91	1563	19.84	18.05	0.91	1577	19.58	17.82	0.91	1590
	90	68	20.67	18.81	0.91	1575	20.46	18.62	0.91	1589	20.24	18.42	0.91	1603	19.98	18.18	0.91	1616
	90	72	21.08	17.08	0.81	1593	20.87	16.91	0.81	1607	20.64	16.72	0.81	1621	20.38	16.51	0.81	1634
	90	75	21.23	14.65	0.69	1614	21.02	14.50	0.69	1628	20.79	14.34	0.69	1642	20.52	14.16	0.69	1655
	90	79	21.53	12.27	0.57	1638	21.31	12.15	0.57	1652	21.08	12.02	0.57	1666	20.81	11.86	0.57	1679

COMBINATION (%)	IDDB (°F)	ID WB (°F)	59				70				77				81			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
	70	64	15.84	9.67	0.61	1431	15.67	9.56	0.61	1479	15.46	9.43	0.61	1544	15.18	9.26	0.61	1649
	70	68	16.50	8.08	0.49	1455	16.32	8.00	0.49	1502	16.09	7.89	0.49	1568	15.81	7.75	0.49	1672
	72	64	16.33	10.62	0.65	1446	16.16	10.50	0.65	1494	15.93	10.36	0.65	1560	15.65	10.17	0.65	1665
	72	68	16.84	8.92	0.53	1470	16.65	8.83	0.53	1518	16.42	8.70	0.53	1584	16.13	8.55	0.53	1689
	72	72	17.12	7.02	0.41	1486	16.93	6.94	0.41	1534	16.70	6.85	0.41	1600	16.41	6.73	0.41	1705
	73	64	16.67	11.50	0.69	1460	16.49	11.38	0.69	1509	16.26	11.22	0.69	1576	15.97	11.02	0.69	1682
	73	68	17.18	9.79	0.57	1484	16.99	9.69	0.57	1533	16.76	9.55	0.57	1600	16.46	9.38	0.57	1706
	73	72	17.47	7.86	0.45	1501	17.28	7.78	0.45	1549	17.04	7.67	0.45	1616	16.74	7.53	0.45	1722
	75	64	17.01	12.42	0.73	1475	16.82	12.28	0.73	1524	16.59	12.11	0.73	1591	16.30	11.90	0.73	1699
	75	68	17.53	10.69	0.61	1499	17.34	10.58	0.61	1548	17.10	10.43	0.61	1616	16.80	10.25	0.61	1723
	75	72	17.83	8.74	0.49	1516	17.63	8.64	0.49	1565	17.39	8.52	0.49	1632	17.08	8.37	0.49	1740
	75	75	18.08	6.69	0.37	1535	17.88	6.62	0.37	1584	17.63	6.52	0.37	1652	17.32	6.41	0.37	1759
	77	64	17.53	13.50	0.77	1490	17.34	13.35	0.77	1540	17.10	13.17	0.77	1608	16.80	12.94	0.77	1716
	77	68	18.07	11.75	0.65	1515	17.87	11.62	0.65	1564	17.63	11.46	0.65	1632	17.32	11.26	0.65	1741
	77	72	18.38	9.74	0.53	1531	18.18	9.63	0.53	1581	17.93	9.50	0.53	1649	17.61	9.33	0.53	1757
	77	75	18.64	7.64	0.41	1551	18.43	7.56	0.41	1600	18.18	7.45	0.41	1668	17.86	7.32	0.41	1777
	79	64	18.08	14.64	0.81	1505	17.88	14.48	0.81	1555	17.63	14.28	0.81	1624	17.32	14.03	0.81	1734
	79	68	18.63	12.85	0.69	1530	18.43	12.71	0.69	1580	18.17	12.54	0.69	1649	17.85	12.32	0.69	1758
	79	72	18.95	10.80	0.57	1547	18.74	10.68	0.57	1597	18.48	10.53	0.57	1665	18.16	10.35	0.57	1775
	79	75	19.21	8.65	0.45	1566	19.00	8.55	0.45	1617	18.74	8.43	0.45	1685	18.41	8.28	0.45	1795
	79	79	19.52	6.44	0.33	1589	19.31	6.37	0.33	1639	19.04	6.28	0.33	1708	18.70	6.17	0.33	1818
	81	64	18.45	15.68	0.85	1520	18.25	15.51	0.85	1571	17.99	15.29	0.85	1640	17.67	15.02	0.85	1751
	81	66	18.82	14.87	0.79	1530	18.62	14.71	0.79	1581	18.36	14.50	0.79	1650	18.04	14.25	0.79	1761
	81	68	19.01	13.88	0.73	1545	18.80	13.73	0.73	1596	18.54	13.54	0.73	1665	18.22	13.30	0.73	1776
	81	72	19.33	11.79	0.61	1562	19.12	11.67	0.61	1613	18.86	11.50	0.61	1682	18.53	11.30	0.61	1793
	81	75	19.60	9.61	0.49	1582	19.39	9.50	0.49	1633	19.12	9.37	0.49	1702	18.79	9.20	0.49	1813
80%	81	79	19.92	7.37	0.37	1605	19.70	7.29	0.37	1656	19.43	7.19	0.37	1725	19.09	7.06	0.37	1836
	82	64	18.63	16.58	0.89	1536	18.43	16.40	0.89	1587	18.17	16.17	0.89	1657	17.85	15.89	0.89	1769
	82	68	19.01	14.64	0.77	1561	18.80	14.48	0.77	1612	18.54	14.28	0.77	1682	18.22	14.03	0.77	1794
	82	72	19.20	12.48	0.65	1578	18.99	12.34	0.65	1629	18.73	12.17	0.65	1699	18.40	11.96	0.65	1811
	82	75	19.53	10.35	0.53	1598	19.31	10.24	0.53	1649	19.05	10.10	0.53	1719	18.71	9.92	0.53	1831
	82	79	19.80	8.12	0.41	1621	19.58	8.03	0.41	1672	19.31	7.92	0.41	1742	18.97	7.78	0.41	1855
	84	64	18.82	17.12	0.91	1551	18.61	16.94	0.91	1602	18.35	16.70	0.91	1673	18.03	16.41	0.91	1786
	84	68	19.20	15.55	0.81	1576	18.99	15.38	0.81	1628	18.73	15.17	0.81	1699	18.40	14.90	0.81	1812
	84	72	19.58	13.51	0.69	1594	19.37	13.37	0.69	1645	19.10	13.18	0.69	1716	18.77	12.95	0.69	1829
	84	75	19.72	11.24	0.57	1614	19.51	11.12	0.57	1666	19.24	10.97	0.57	1736	18.90	10.77	0.57	1850
	84	79	20.00	9.00	0.45	1638	19.78	8.90	0.45	1689	19.51	8.78	0.45	1760	19.16	8.62	0.45	1873
	86	64	19.00	17.29	0.91	1566	18.80	17.11	0.91	1618	18.54	16.87	0.91	1690	18.21	16.57	0.91	1804
	86	68	19.39	16.48	0.85	1592	19.18	16.30	0.85	1644	18.92	16.08	0.85	1716	18.58	15.79	0.85	1830
	86	72	19.78	14.44	0.73	1610	19.57	14.28	0.73	1662	19.30	14.09	0.73	1733	18.95	13.84	0.73	1847
	86	75	19.92	12.15	0.61	1630	19.70	12.02	0.61	1682	19.43	11.85	0.61	1754	19.09	11.64	0.61	1868
	86	79	20.20	9.90	0.49	1654	19.98	9.79	0.49	1706	19.70	9.65	0.49	1777	19.35	9.48	0.49	1892
	88	64	19.19	17.47	0.91	1582	18.99	17.28	0.91	1635	18.72	17.04	0.91	1707	18.39	16.74	0.91	1822
	88	68	19.59	17.43	0.89	1608	19.37	17.24	0.89	1661	19.11	17.00	0.89	1733	18.77	16.70	0.89	1848
	88	72	19.98	15.38	0.77	1626	19.76	15.22	0.77	1678	19.49	15.01	0.77	1750	19.14	14.74	0.77	1866
	88	75	20.12	13.08	0.65	1647	19.90	12.93	0.65	1699	19.62	12.76	0.65	1771	19.28	12.53	0.65	1887
	88	79	20.40	10.81	0.53	1670	20.18	10.69	0.53	1723	19.90	10.55	0.53	1795	19.55	10.36	0.53	1911
	90	64	19.39	17.64	0.91	1598	19.18	17.45	0.91	1651	18.91	17.21	0.91	1724	18.58	16.90	0.91	1840
	90	68	19.78	18.00	0.91	1624	19.57	17.81	0.91	1677	19.30	17.56	0.91	1750	18.96	17.25	0.91	1867
	90	72	20.18	16.34	0.81	1642	19.96	16.17	0.81	1695	19.68	15.94	0.81	1768	19.33	15.66	0.81	1885
	90	75	20.32	14.02	0.69	1663	20.10	13.87	0.69	1716	19.82	13.68	0.69	1789	19.47	13.43	0.69	1906
	90	79	20.60	11.74	0.57	1687	20.38	11.62	0.57	1740	20.10	11.46	0.57	1813	19.74	11.25	0.57	1930

COMBINATION (%)	IDDB (°F)	ID WB (°F)	86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
	70	64	14.83	9.04	0.61	1725	14.40	8.78	0.61	1790	13.39	8.17	0.61	1880	13.25	8.08	0.61	1899	10.93	6.67	0.61	1971
	70	68	15.44	7.56	0.49	1749	14.99	7.34	0.49	1813	13.94	6.83	0.49	1903	13.80	6.76	0.49	1922	11.39	5.58	0.49	1995
	72	64	15.29	9.94	0.65	1742	14.84	9.65	0.65	1808	13.80	8.97	0.65	1899	13.66	8.88	0.65	1918	11.27	7.33	0.65	1991
	72	68	15.75	8.35	0.53	1766	15.29	8.11	0.53	1832	14.22	7.54	0.53	1922	14.08	7.46	0.53	1942	11.62	6.16	0.53	2015
	72	72	16.02	6.57	0.41	1782	15.55	6.38	0.41	1848	14.47	5.93	0.41	1939	14.32	5.87	0.41	1958	11.81	4.84	0.41	2031
	73	64	15.60	10.76	0.69	1760	15.14	10.45	0.69	1826	14.08	9.72	0.69	1918	13.94	9.62	0.69	1937	11.50	7.94	0.69	2011
	73	68	16.07	9.16	0.57	1784	15.61	8.90	0.57	1850	14.51	8.27	0.57	1942	14.37	8.19	0.57	1961	11.85	6.76	0.57	2035
	73	72	16.35	7.36	0.45	1800	15.87	7.14	0.45	1866	14.76	6.64	0.45	1958	14.61	6.58	0.45	1977	12.06	5.43	0.45	2051
	75	64	15.92	11.62	0.73	1778	15.45	11.28	0.73	1845	14.37	10.49	0.73	1937	14.23	10.39	0.73	1957	11.74	8.57	0.73	2031
	75	68	16.40	10.01	0.61	1802	15.93	9.71	0.61	1869	14.81	9.03	0.61	1962	14.66	8.94	0.61	1981	12.10	7.38	0.61	2056
	75	72	16.68	8.17	0.49	1819	16.20	7.94	0.49	1885	15.06	7.38	0.49	1978	14.91	7.31	0.49	1997	12.30	6.03	0.49	2072
	75	75	16.92	6.26	0.37	1838	16.42	6.08	0.37	1905	15.27	5.65	0.37	1997	15.12	5.59	0.37	2017	12.47	4.62	0.37	2092
	77	64	16.41	12.63	0.77	1796	15.93	12.27	0.77	1863	14.82	11.41	0.77	1957	14.67	11.29	0.77	1976	12.10	9.32	0.77	2052
	77	68	16.91	10.99	0.65	1820	16.42	10.67	0.65	1888	15.27	9.92	0.65	1981	15.12	9.83	0.65	2001	12.47	8.11	0.65	2076
	77	72	17.20	9.11	0.53	1837	16.70	8.85	0.53	1904	15.53	8.23	0.53	1998	15.37	8.15	0.53	2018	12.68	6.72	0.53	2093
	77	75	17.44	7.15	0.41	1857	16.93	6.94	0.41	1924	15.75	6.46	0.41	2018	15.59	6.39	0.41	2037	12.86	5.27	0.41	2113
	79	64	16.92	13.70	0.81	1814	16.42	13.30	0.81	1882	15.27	12.37	0.81	1977	15.12	12.25	0.81	1996	12.47	10.10	0.81	2073
	79	68	17.43	12.03	0.69	1839	16.93	11.68	0.69	1907	15.74	10.86	0.69	2001	15.58	10.75	0.69	2021	12.86	8.87	0.69	2097
	79	72	17.73	10.11	0.57	1855	17.21	9.81	0.57	1924	16.01	9.12	0.57	2018	15.85	9.03	0.57	2038	13.07	7.45	0.57	2114
	79	75	17.98	8.09	0.45	1875	17.45	7.85	0.45	1943	16.23	7.30	0.45	2038	16.07	7.23	0.45	2058	13.26	5.97	0.45	2134
	79	79	18.27	6.03	0.33	1898	17.73	5.85	0.33	1966	16.49	5.44	0.33	2061	16.33	5.39	0.33	2081	13.47	4.45	0.33	2157
	81	64	17.26	14.67	0.85	1832	16.76	14.24	0.85	1901	15.58	13.25	0.85	1997	15.43	13.11	0.85	2017	12.73	10.82	0.85	2094
	81	66	17.61	13.91	0.79	1842	17.10	13.51	0.79	1911	15.90	12.56	0.79	2007	15.74	12.44	0.79	2027	12.99	10.26	0.79	2104
	81	68	17.79	12.99	0.73	1857	17.27	12.61	0.73	1926	16.06	11.73	0.73	2022	15.90	11.61	0.73	2042	13.12	9.58	0.73	2119
	81	72	18.09	11.04	0.61	1874	17.56	10.71	0.61	1943	16.34	9.96	0.61	2039	16.17	9.86	0.61	2059	13.34	8.14	0.61	2136
	81	75	18.34	8.99	0.49	1894	17.81	8.73	0.49	1963	16.56	8.12	0.49	2059	16.40	8.04	0.49	2079	13.53	6.63	0.49	2156
80%	81	79	18.64	6.90	0.37	1917	18.10	6.70	0.37	1986	16.83	6.23	0.37	2082	16.66	6.16	0.37	2102	13.74	5.09	0.37	2179
	82	64	17.43	15.52	0.89	1851	16.93	15.06	0.89	1920	15.74	14.01	0.89	2017	15.58	13.87	0.89	2037	12.86	11.44	0.89	2115
	82	68	17.79	13.70	0.77	1876	17.27	13.30	0.77	1945	16.06	12.37	0.77	2042	15.90	12.24	0.77	2062	13.12	10.10	0.77	2140
	82	72	17.97	11.68	0.65	1893	17.44	11.34	0.65	1962	16.22	10.54	0.65	2059	16.06	10.44	0.65	2079	13.25	8.61	0.65	2157
	82	75	18.27	9.68	0.53	1913	17.74	9.40	0.53	1983	16.50	8.74	0.53	2079	16.33	8.66	0.53	2099	13.48	7.14	0.53	2177
	82	79	18.53	7.60	0.41	1936	17.99	7.38	0.41	2006	16.73	6.86	0.41	2102	16.56	6.79	0.41	2123	13.66	5.60	0.41	2200
	84	64	17.61	16.02	0.91	1869	17.09	15.56	0.91	1939	15.90	14.47	0.91	2037	15.74	14.32	0.91	2057	12.98	11.82	0.91	2136
	84	68	17.97	14.55	0.81	1895	17.44	14.13	0.81	1965	16.22	13.14	0.81	2062	16.06	13.01	0.81	2083	13.25	10.73	0.81	2161
	84	72	18.33	12.65	0.69	1912	17.79	12.28	0.69	1982	16.55	11.42	0.69	2080	16.38	11.30	0.69	2100	13.51	9.33	0.69	2179
	84	75	18.46	10.52	0.57	1932	17.92	10.21	0.57	2002	16.66	9.50	0.57	2100	16.50	9.40	0.57	2120	13.61	7.76	0.57	2199
	84	79	18.71	8.42	0.45	1956	18.17	8.18	0.45	2026	16.90	7.60	0.45	2123	16.73	7.53	0.45	2144	13.80	6.21	0.45	2222
	86	64	17.78	16.18	0.91	1888	17.27	15.71	0.91	1959	16.06	14.61	0.91	2057	15.90	14.47	0.91	2078	13.11	11.93	0.91	2157
	86	68	18.15	15.42	0.85	1913	17.62	14.98	0.85	1984	16.38	13.93	0.85	2083	16.22	13.79	0.85	2103	13.38	11.37	0.85	2183
	86	72	18.51	13.51	0.73	1931	17.97	13.12	0.73	2002	16.71	12.20	0.73	2100	16.55	12.08	0.73	2121	13.65	9.96	0.73	2200
	86	75	18.64	11.37	0.61	1952	18.10	11.04	0.61	2022	16.83	10.27	0.61	2121	16.66	10.16	0.61	2142	13.75	8.39	0.61	2221
	86	79	18.90	9.26	0.49	1975	18.35	8.99	0.49	2046	17.07	8.36	0.49	2145	16.90	8.28	0.49	2165	13.94	6.83	0.49	2245
	88	64	17.96	16.35	0.91	1907	17.44	15.87	0.91	1978	16.22	14.76	0.91	2078	16.06	14.61	0.91	2098	13.25	12.05	0.91	2179
	88	68	18.33	16.31	0.89	1933	17.79	15.84	0.89	2004	16.55	14.73	0.89	2104	16.38	14.58	0.89	2125	13.52	12.03	0.89	2205
	88	72	18.69	14.39	0.77	1950	18.15	13.98	0.77	2022	16.88	13.00	0.77	2121	16.71	12.87	0.77	2142	13.79	10.62	0.77	2222
	88	75	18.83	12.24	0.65	1971	18.28	11.88	0.65	2043	17.00	11.05	0.65	2142	16.83	10.94	0.65	2163	13.88	9.02	0.65	2243
	88	79	19.09	10.12	0.53	1995	18.53	9.82	0.53	2067	17.24	9.14	0.53	2166	17.06	9.04	0.53	2187	14.08	7.46	0.53	2267
	90	64	18.14	16.51	0.91	1926	17.61	16.03	0.91	1998	16.38	14.91	0.91	2098	16.22	14.76	0.91	2119	13.38	12.17	0.91	2200
	90	68	18.51	16.85	0.91	1952	17.97	16.35	0.91	2024	16.71	15.21	0.91	2125	16.55	15.06	0.91	2146	13.65	12.42	0.91	2227
	90	72	18.88	15.29	0.81	1970	18.33	14.85	0.81	2042	17.05	13.81	0.81	2143	16.88	13.67	0.81	2164	13.92	11.28	0.81	2245
	90	75	19.01	13.12	0.69	1991	18.46	12.74	0.69	2063	17.17	11.85	0.69	2164	17.00	11.73	0.69	2185	14.02	9.68	0.69	2266
	90	79	19.28	10.99	0.57	2015	18.72	10.67	0.57	2087	17.41	9.92	0.57	2188	17.23	9.82	0.57	2209	14.22	8.10	0.57	2290

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Cooling up to 2 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	10.61	6.47	0.61	1985	9.44	5.76	0.61	2025	9.06	5.53	0.61	2045	8.61	5.25	0.61	2086
	70	68	11.04	5.41	0.49	2009	9.83	4.82	0.49	2048	9.44	4.62	0.49	2069	8.96	4.39	0.49	2110
	72	64	10.93	7.11	0.65	2005	9.73	6.33	0.65	2045	9.34	6.07	0.65	2066	8.88	5.77	0.65	2107
	72	68	11.27	5.97	0.53	2029	10.03	5.32	0.53	2069	9.63	5.10	0.53	2090	9.15	4.85	0.53	2131
	72	72	11.46	4.70	0.41	2045	10.20	4.18	0.41	2085	9.79	4.01	0.41	2106	9.30	3.81	0.41	2147
	73	64	11.16	7.70	0.69	2025	9.93	6.85	0.69	2066	9.53	6.58	0.69	2087	9.06	6.25	0.69	2129
	73	68	11.50	6.55	0.57	2049	10.23	5.83	0.57	2090	9.82	5.60	0.57	2111	9.33	5.32	0.57	2153
	73	72	11.69	5.26	0.45	2066	10.41	4.68	0.45	2106	9.99	4.50	0.45	2127	9.49	4.27	0.45	2169
	75	64	11.39	8.31	0.73	2046	10.13	7.40	0.73	2087	9.73	7.10	0.73	2108	9.24	6.75	0.73	2150
	75	68	11.73	7.16	0.61	2070	10.44	6.37	0.61	2111	10.03	6.12	0.61	2132	9.52	5.81	0.61	2174
	75	72	11.93	5.85	0.49	2086	10.62	5.20	0.49	2128	10.20	5.00	0.49	2149	9.69	4.75	0.49	2191
	75	75	12.10	4.48	0.37	2106	10.77	3.98	0.37	2147	10.34	3.83	0.37	2168	9.82	3.63	0.37	2210
	77	64	11.74	9.04	0.77	2066	10.45	8.04	0.77	2108	10.03	7.72	0.77	2129	9.53	7.34	0.77	2172
	77	68	12.10	7.86	0.65	2091	10.77	7.00	0.65	2132	10.34	6.72	0.65	2154	9.82	6.38	0.65	2196
	77	72	12.30	6.52	0.53	2108	10.95	5.80	0.53	2149	10.51	5.57	0.53	2170	9.99	5.29	0.53	2213
	77	75	12.47	5.11	0.41	2127	11.10	4.55	0.41	2169	10.66	4.37	0.41	2190	10.13	4.15	0.41	2233
	79	64	12.10	9.80	0.81	2087	10.77	8.72	0.81	2129	10.34	8.37	0.81	2151	9.82	7.96	0.81	2194
	79	68	12.47	8.60	0.69	2112	11.10	7.66	0.69	2154	10.65	7.35	0.69	2175	10.12	6.98	0.69	2219
	79	72	12.68	7.23	0.57	2129	11.29	6.43	0.57	2171	10.84	6.18	0.57	2192	10.29	5.87	0.57	2235
	79	75	12.86	5.79	0.45	2149	11.45	5.15	0.45	2191	10.99	4.94	0.45	2212	10.44	4.70	0.45	2255
	79	79	13.07	4.31	0.33	2171	11.63	3.84	0.33	2213	11.16	3.68	0.33	2235	10.61	3.50	0.33	2278
	81	64	12.35	10.50	0.85	2108	10.99	9.34	0.85	2151	10.55	8.97	0.85	2172	10.02	8.52	0.85	2216
	81	66	12.60	9.95	0.79	2118	11.21	8.86	0.79	2161	10.76	8.50	0.79	2182	10.23	8.08	0.79	2226
	81	68	12.73	9.29	0.73	2133	11.33	8.27	0.73	2176	10.87	7.94	0.73	2197	10.33	7.54	0.73	2241
	81	72	12.94	7.89	0.61	2150	11.52	7.03	0.61	2193	11.06	6.74	0.61	2214	10.50	6.41	0.61	2258
	81	75	13.12	6.43	0.49	2170	11.68	5.72	0.49	2213	11.21	5.49	0.49	2234	10.65	5.22	0.49	2278
	81	79	13.33	4.93	0.37	2193	11.87	4.39	0.37	2236	11.39	4.21	0.37	2257	10.82	4.00	0.37	2301
	82	64	12.47	11.10	0.89	2129	11.10	9.88	0.89	2172	10.65	9.48	0.89	2194	10.12	9.01	0.89	2238
	82	68	12.73	9.80	0.77	2155	11.33	8.72	0.77	2197	10.87	8.37	0.77	2219	10.33	7.95	0.77	2263
	82	72	12.85	8.35	0.65	2172	11.44	7.44	0.65	2215	10.98	7.14	0.65	2236	10.43	6.78	0.65	2281
	82	75	13.07	6.93	0.53	2192	11.63	6.17	0.53	2235	11.17	5.92	0.53	2257	10.61	5.62	0.53	2301
	82	79	13.25	5.43	0.41	2215	11.80	4.84	0.41	2258	11.32	4.64	0.41	2280	10.76	4.41	0.41	2324
	84	64	12.60	11.46	0.91	2151	11.21	10.20	0.91	2194	10.76	9.79	0.91	2216	10.22	9.30	0.91	2261
	84	68	12.85	10.41	0.81	2176	11.44	9.27	0.81	2219	10.98	8.89	0.81	2241	10.43	8.45	0.81	2286
	84	72	13.11	9.05	0.69	2194	11.67	8.05	0.69	2237	11.20	7.73	0.69	2259	10.64	7.34	0.69	2303
	84	75	13.20	7.52	0.57	2214	11.75	6.70	0.57	2257	11.28	6.43	0.57	2279	10.72	6.11	0.57	2324
	84	79	13.39	6.02	0.45	2237	11.91	5.36	0.45	2281	11.44	5.15	0.45	2303	10.87	4.89	0.45	2347
	86	64	12.72	11.58	0.91	2172	11.32	10.30	0.91	2216	10.87	9.89	0.91	2238	10.33	9.40	0.91	2283
	86	68	12.98	11.03	0.85	2198	11.55	9.82	0.85	2242	11.09	9.43	0.85	2264	10.54	8.96	0.85	2309
	86	72	13.24	9.67	0.73	2216	11.78	8.60	0.73	2259	11.31	8.26	0.73	2281	10.75	7.85	0.73	2326
	86	75	13.33	8.13	0.61	2236	11.87	7.24	0.61	2280	11.39	6.95	0.61	2302	10.82	6.60	0.61	2347
	86	79	13.52	6.62	0.49	2260	12.03	5.90	0.49	2303	11.55	5.66	0.49	2326	10.97	5.38	0.49	2371
	88	64	12.85	11.69	0.91	2194	11.44	10.41	0.91	2238	10.98	9.99	0.91	2261	10.43	9.49	0.91	2306
	88	68	13.11	11.67	0.89	2220	11.67	10.38	0.89	2264	11.20	9.97	0.89	2287	10.64	9.47	0.89	2332
	88	72	13.37	10.30	0.77	2238	11.90	9.16	0.77	2282	11.43	8.80	0.77	2304	10.85	8.36	0.77	2350
	88	75	13.47	8.75	0.65	2258	11.99	7.79	0.65	2303	11.51	7.48	0.65	2325	10.93	7.11	0.65	2370
	88	79	13.66	7.24	0.53	2282	12.15	6.44	0.53	2326	11.67	6.18	0.53	2349	11.08	5.87	0.53	2394
	90	64	12.98	11.81	0.91	2216	11.55	10.51	0.91	2260	11.09	10.09	0.91	2283	10.53	9.59	0.91	2329
	90	68	13.24	12.05	0.91	2242	11.79	10.72	0.91	2287	11.31	10.30	0.91	2309	10.75	9.78	0.91	2355
	90	72	13.51	10.94	0.81	2260	12.02	9.74	0.81	2305	11.54	9.35	0.81	2327	10.96	8.88	0.81	2373
	90	75	13.60	9.39	0.69	2281	12.11	8.35	0.69	2326	11.62	8.02	0.69	2348	11.04	7.62	0.69	2394
	90	79	13.79	7.86	0.57	2305	12.27	7.00	0.57	2350	11.78	6.72	0.57	2372	11.19	6.38	0.57	2418

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Heating up to 2 indoor units series)

HEATING PERFORMANCE DATA

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	15.00	2343	17.25	2566	19.17	2701	20.84	2756	14.54	2436	16.16	2460	17.01	2485	18.69	2536
	61	14.82	2362	17.05	2587	18.94	2723	20.59	2779	14.37	2455	15.97	2480	16.81	2505	18.47	2556
	63	14.65	2381	16.85	2608	18.72	2745	20.35	2801	14.20	2475	15.78	2500	16.61	2525	18.25	2577
	64	14.47	2400	16.65	2629	18.50	2767	20.10	2824	14.03	2495	15.59	2520	16.41	2546	18.03	2598
	66	14.30	2419	16.45	2650	18.28	2789	19.87	2846	13.86	2515	15.41	2540	16.22	2566	17.82	2619
	68	14.16	2439	16.29	2671	18.10	2812	19.67	2869	13.73	2535	15.25	2561	16.06	2587	17.64	2640
	70	13.99	2466	16.09	2701	17.88	2843	19.43	2901	13.56	2563	15.07	2589	15.86	2615	17.43	2669
	72	13.82	2493	15.90	2730	17.66	2874	19.20	2933	13.40	2591	14.89	2618	15.67	2644	17.22	2698
	73	13.66	2520	15.71	2760	17.45	2906	18.97	2965	13.24	2620	14.71	2646	15.48	2673	17.02	2728
	75	13.49	2548	15.52	2791	17.24	2938	18.74	2998	13.08	2649	14.53	2676	15.30	2703	16.81	2758
	77	13.33	2576	15.33	2821	17.04	2970	18.52	3031	12.92	2678	14.36	2705	15.11	2732	16.61	2788
	79	13.17	2604	15.15	2852	16.83	3003	18.29	3064	12.77	2707	14.19	2735	14.93	2762	16.41	2819
	81	13.01	2633	14.97	2884	16.63	3036	18.08	3098	12.61	2737	14.02	2765	14.75	2793	16.21	2850
	82	12.86	2662	14.79	2916	16.43	3069	17.86	3132	12.46	2767	13.85	2795	14.58	2823	16.02	2881
	84	12.70	2691	14.61	2948	16.23	3103	17.64	3166	12.31	2798	13.68	2826	14.40	2854	15.83	2913
	86	12.55	2721	14.43	2980	16.04	3137	17.43	3201	12.17	2828	13.52	2857	14.23	2886	15.64	2945

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	20.32	2669	20.84	2702	21.94	2803	23.04	2887	23.73	2944	24.44	3003
	61	20.07	2691	20.59	2724	21.68	2825	22.76	2910	23.45	2968	24.15	3028
	63	19.84	2712	20.35	2746	21.42	2848	22.49	2933	23.17	2992	23.86	3052
	64	19.60	2734	20.10	2768	21.17	2871	22.23	2957	22.90	3016	23.58	3077
	66	19.37	2756	19.87	2790	20.92	2894	21.96	2981	22.62	3041	23.30	3101
	68	19.18	2779	19.67	2813	20.71	2917	21.75	3005	22.40	3065	23.07	3126
	70	18.95	2809	19.43	2844	20.46	2950	21.49	3038	22.13	3099	22.79	3161
	72	18.72	2840	19.20	2875	20.22	2982	21.23	3071	21.87	3133	22.52	3196
	73	18.50	2871	18.97	2907	19.97	3015	20.97	3105	21.60	3167	22.25	3231
	75	18.27	2903	18.74	2939	19.74	3048	20.72	3139	21.34	3202	21.98	3266
	77	18.05	2935	18.52	2971	19.50	3082	20.47	3174	21.09	3237	21.72	3302
	79	17.84	2967	18.29	3004	19.26	3115	20.23	3209	20.83	3273	21.46	3339
	81	17.62	3000	18.08	3037	19.03	3150	19.98	3244	20.58	3309	21.20	3375
	82	17.41	3033	17.86	3070	18.80	3184	19.75	3280	20.34	3345	20.95	3412
	84	17.20	3066	17.64	3104	18.58	3219	19.51	3316	20.09	3382	20.70	3450
	86	17.00	3100	17.43	3138	18.36	3255	19.27	3352	19.85	3419	20.45	3488

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	59	14.57	2231	16.75	2444	18.61	2573	20.23	2625	14.12	2320	15.69	2343	16.51	2367	18.15	2415
	61	14.39	2249	16.55	2464	18.39	2593	19.99	2646	13.95	2338	15.50	2362	16.32	2386	17.93	2434
	63	14.22	2267	16.36	2483	18.17	2614	19.75	2668	13.79	2357	15.32	2381	16.12	2405	17.72	2454
	64	14.05	2286	16.16	2504	17.96	2635	19.52	2689	13.62	2376	15.14	2400	15.93	2424	17.51	2474
	66	13.89	2304	15.97	2524	17.74	2657	19.29	2711	13.46	2395	14.96	2419	15.74	2444	17.30	2494
	68	13.75	2323	15.81	2544	17.57	2678	19.10	2733	13.33	2415	14.81	2439	15.59	2464	17.13	2514
	70	13.58	2348	15.62	2572	17.36	2707	18.87	2763	13.17	2441	14.63	2466	15.40	2491	16.92	2542
	72	13.42	2374	15.43	2600	17.15	2737	18.64	2793	13.01	2468	14.46	2493	15.22	2518	16.72	2570
	73	13.26	2400	15.25	2629	16.94	2767	18.42	2824	12.85	2495	14.28	2520	15.03	2546	16.52	2598
	75	13.10	2427	15.07	2658	16.74	2798	18.20	2855	12.70	2523	14.11	2548	14.85	2574	16.32	2626
	77	12.94	2453	14.89	2687	16.54	2829	17.98	2886	12.55	2550	13.94	2576	14.67	2602	16.13	2655
	79	12.79	2480	14.71	2717	16.34	2860	17.76	2918	12.40	2578	13.77	2604	14.50	2631	15.93	2684
	81	12.64	2508	14.53	2747	16.14	2891	17.55	2950	12.25	2607	13.61	2633	14.32	2660	15.74	2714
	82	12.48	2535	14.36	2777	15.95	2923	17.34	2983	12.10	2635	13.44	2662	14.15	2689	15.55	2744
	84	12.33	2563	14.18	2807	15.76	2955	17.13	3015	11.96	2664	13.28	2691	13.98	2719	15.37	2774
	86	12.19	2591	14.01	2838	15.57	2988	16.92	3049	11.81	2694	13.12	2721	13.81	2748	15.18	2805

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Heating up to 2 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
120%	59	19.72	2542	20.23	2574	21.30	2669	22.37	2749	23.04	2804	23.73	2860
	61	19.49	2563	19.99	2594	21.05	2691	22.10	2771	22.76	2827	23.45	2883
	63	19.26	2583	19.75	2615	20.80	2712	21.84	2794	22.49	2850	23.17	2907
	64	19.03	2604	19.52	2636	20.55	2734	21.58	2816	22.23	2873	22.90	2930
	66	18.80	2625	19.29	2658	20.31	2756	21.32	2839	21.96	2896	22.62	2954
	68	18.62	2646	19.10	2679	20.11	2779	21.11	2862	21.75	2919	22.40	2978
	70	18.40	2675	18.87	2708	19.87	2809	20.86	2893	21.49	2951	22.13	3010
	72	18.17	2705	18.64	2738	19.63	2840	20.61	2925	21.23	2984	21.87	3043
	73	17.96	2735	18.42	2768	19.39	2871	20.36	2957	20.97	3017	21.60	3077
	75	17.74	2765	18.20	2799	19.16	2903	20.12	2990	20.72	3050	21.34	3111
	77	17.53	2795	17.98	2830	18.93	2935	19.88	3023	20.47	3083	21.09	3145
	79	17.32	2826	17.76	2861	18.70	2967	19.64	3056	20.23	3117	20.83	3180
	81	17.11	2857	17.55	2892	18.48	3000	19.40	3090	19.98	3151	20.58	3215
	82	16.90	2888	17.34	2924	18.26	3033	19.17	3124	19.75	3186	20.34	3250
	84	16.70	2920	17.13	2956	18.04	3066	18.94	3158	19.51	3221	20.09	3286
	86	16.50	2952	16.92	2989	17.82	3100	18.71	3193	19.27	3257	19.85	3322

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	59	14.14	2188	15.91	2323	17.68	2445	19.64	2574	13.71	2274	15.23	2297	16.03	2320	17.62	2368
	61	13.97	2205	15.72	2341	17.47	2465	19.41	2594	13.54	2292	15.05	2316	15.84	2339	17.41	2387
	63	13.81	2223	15.53	2360	17.26	2484	19.18	2615	13.38	2311	14.87	2334	15.65	2358	17.20	2406
	64	13.64	2241	15.35	2379	17.06	2505	18.95	2636	13.23	2330	14.69	2353	15.47	2377	17.00	2425
	66	13.48	2259	15.17	2398	16.85	2525	18.73	2658	13.07	2348	14.52	2372	15.28	2396	16.80	2445
	68	13.35	2277	15.02	2418	16.69	2545	18.54	2679	12.94	2367	14.38	2391	15.13	2415	16.63	2465
	70	13.19	2302	14.84	2444	16.49	2573	18.32	2708	12.78	2393	14.20	2417	14.95	2442	16.43	2492
	72	13.03	2328	14.66	2471	16.29	2601	18.10	2738	12.63	2420	14.03	2444	14.77	2469	16.23	2519
	73	12.87	2353	14.48	2498	16.09	2630	17.88	2768	12.48	2446	13.87	2471	14.60	2496	16.04	2547
	75	12.72	2379	14.31	2526	15.90	2659	17.67	2799	12.33	2473	13.70	2498	14.42	2523	15.85	2575
	77	12.57	2405	14.14	2554	15.71	2688	17.45	2830	12.18	2500	13.53	2526	14.25	2551	15.66	2603
	79	12.42	2432	13.97	2582	15.52	2718	17.24	2861	12.04	2528	13.37	2553	14.08	2579	15.47	2632
	81	12.27	2458	13.80	2610	15.33	2748	17.04	2892	11.89	2556	13.21	2581	13.91	2608	15.28	2661
	82	12.12	2485	13.63	2639	15.15	2778	16.83	2924	11.75	2584	13.05	2610	13.74	2636	15.10	2690
	84	11.97	2513	13.47	2668	14.97	2808	16.63	2956	11.61	2612	12.90	2639	13.58	2665	14.92	2720
	86	11.83	2540	13.31	2697	14.79	2839	16.43	2989	11.47	2641	12.74	2668	13.41	2695	14.74	2750

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
110%	59	19.15	2492	19.64	2523	20.68	2617	21.72	2695	22.37	2749	23.04	2804
	61	18.92	2512	19.41	2543	20.44	2638	21.46	2717	22.10	2771	22.76	2827
	63	18.70	2533	19.18	2564	20.19	2659	21.20	2739	21.84	2794	22.49	2850
	64	18.48	2553	18.95	2585	19.95	2681	20.95	2761	21.58	2816	22.23	2873
	66	18.26	2574	18.73	2605	19.72	2702	20.70	2783	21.32	2839	21.96	2896
	68	18.08	2594	18.54	2627	19.52	2724	20.50	2806	21.11	2862	21.75	2919
	70	17.86	2623	18.32	2655	19.29	2754	20.25	2837	20.86	2893	21.49	2951
	72	17.65	2652	18.10	2685	19.06	2784	20.01	2868	20.61	2925	21.23	2984
	73	17.43	2681	17.88	2714	18.83	2815	19.77	2899	20.36	2957	20.97	3017
	75	17.22	2710	17.67	2744	18.60	2846	19.53	2931	20.12	2990	20.72	3050
	77	17.02	2740	17.45	2774	18.38	2877	19.30	2964	19.88	3023	20.47	3083
	79	16.81	2770	17.24	2805	18.16	2909	19.07	2996	19.64	3056	20.23	3117
	81	16.61	2801	17.04	2836	17.94	2941	18.84	3029	19.40	3090	19.98	3151
	82	16.41	2832	16.83	2867	17.73	2973	18.61	3062	19.17	3124	19.75	3186
	84	16.22	2863	16.63	2898	17.51	3006	18.39	3096	18.94	3158	19.51	3221
	86	16.02	2894	16.43	2930	17.30	3039	18.17	3130	18.71	3193	19.27	3257

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Heating up to 2 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	13.73	2124	15.45	2255	17.16	2374	19.07	2499	13.31	2208	14.79	2230	15.57	2253	17.10	2299
	61	13.57	2141	15.26	2273	16.96	2393	18.84	2519	13.15	2226	14.61	2248	15.38	2271	16.90	2317
	63	13.41	2158	15.08	2292	16.76	2412	18.62	2539	12.99	2244	14.44	2266	15.20	2289	16.70	2336
	64	13.25	2176	14.90	2310	16.56	2432	18.40	2560	12.84	2262	14.27	2285	15.02	2308	16.50	2355
	66	13.09	2193	14.73	2329	16.36	2451	18.18	2580	12.69	2280	14.10	2303	14.84	2326	16.31	2374
	68	12.96	2211	14.58	2347	16.20	2471	18.00	2601	12.56	2298	13.96	2322	14.69	2345	16.15	2393
	70	12.80	2235	14.41	2373	16.01	2498	17.78	2630	12.41	2324	13.79	2347	14.52	2371	15.95	2419
	72	12.65	2260	14.23	2399	15.81	2526	17.57	2659	12.26	2349	13.63	2373	14.34	2397	15.76	2446
	73	12.50	2285	14.06	2426	15.62	2553	17.36	2688	12.12	2375	13.46	2399	14.17	2423	15.57	2473
	75	12.35	2310	13.89	2452	15.44	2581	17.15	2717	11.97	2401	13.30	2425	14.00	2450	15.38	2500
	77	12.20	2335	13.73	2479	15.25	2610	16.95	2747	11.83	2428	13.14	2452	13.83	2477	15.20	2527
	79	12.05	2361	13.56	2507	15.07	2639	16.74	2777	11.68	2454	12.98	2479	13.67	2504	15.02	2555
	81	11.91	2387	13.40	2534	14.89	2668	16.54	2808	11.54	2481	12.83	2506	13.50	2532	14.84	2583
	82	11.77	2413	13.24	2562	14.71	2697	16.34	2839	11.41	2509	12.67	2534	13.34	2559	14.66	2612
	84	11.63	2440	13.08	2590	14.53	2727	16.15	2870	11.27	2536	12.52	2562	13.18	2588	14.48	2640
	86	11.49	2466	12.92	2619	14.36	2757	15.95	2902	11.13	2564	12.37	2590	13.02	2616	14.31	2669

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	18.59	2420	19.07	2450	20.08	2541	21.08	2617	21.72	2669	22.37	2723
	61	18.37	2439	18.84	2469	19.84	2561	20.83	2638	21.46	2691	22.10	2745
	63	18.15	2459	18.62	2489	19.61	2582	20.59	2659	21.20	2712	21.84	2767
	64	17.94	2479	18.40	2509	19.37	2603	20.34	2681	20.95	2734	21.58	2789
	66	17.73	2499	18.18	2530	19.14	2624	20.10	2702	20.70	2756	21.32	2811
	68	17.55	2519	18.00	2550	18.95	2645	19.90	2724	20.50	2779	21.11	2834
	70	17.34	2546	17.78	2578	18.73	2674	19.66	2754	20.25	2809	20.86	2865
	72	17.13	2575	17.57	2606	18.50	2703	19.43	2784	20.01	2840	20.61	2897
	73	16.93	2603	17.36	2635	18.28	2733	19.19	2815	19.77	2871	20.36	2929
	75	16.72	2631	17.15	2664	18.06	2763	18.96	2846	19.53	2903	20.12	2961
	77	16.52	2660	16.95	2693	17.84	2793	18.74	2877	19.30	2935	19.88	2993
	79	16.32	2690	16.74	2723	17.63	2824	18.51	2909	19.07	2967	19.64	3026
	81	16.13	2719	16.54	2753	17.42	2855	18.29	2941	18.84	3000	19.40	3060
	82	15.93	2749	16.34	2783	17.21	2887	18.07	2973	18.61	3033	19.17	3093
	84	15.74	2779	16.15	2814	17.00	2918	17.85	3006	18.39	3066	18.94	3127
	86	15.55	2810	15.95	2845	16.80	2950	17.64	3039	18.17	3100	18.71	3162

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	13.25	2086	14.90	2214	16.56	2331	18.40	2454	12.84	2168	14.27	2190	15.02	2212	16.51	2257
	61	13.09	2102	14.73	2232	16.36	2350	18.18	2473	12.69	2186	14.10	2208	14.84	2230	16.31	2275
	63	12.94	2119	14.55	2250	16.17	2369	17.97	2493	12.54	2203	13.93	2225	14.67	2248	16.12	2294
	64	12.78	2136	14.38	2268	15.98	2388	17.75	2513	12.39	2221	13.77	2243	14.49	2266	15.93	2312
	66	12.63	2154	14.21	2287	15.79	2407	17.54	2534	12.24	2239	13.60	2262	14.32	2284	15.74	2331
	68	12.51	2171	14.07	2305	15.63	2426	17.37	2554	12.12	2257	13.47	2280	14.18	2303	15.58	2350
	70	12.36	2195	13.90	2331	15.45	2453	17.16	2582	11.98	2282	13.31	2305	14.01	2328	15.39	2376
	72	12.21	2219	13.73	2356	15.26	2480	16.96	2611	11.83	2307	13.15	2330	13.84	2354	15.21	2402
	73	12.06	2243	13.57	2382	15.08	2507	16.75	2639	11.69	2332	12.99	2356	13.67	2380	15.03	2428
	75	11.92	2268	13.41	2408	14.90	2535	16.55	2668	11.55	2358	12.83	2382	13.51	2406	14.85	2455
	77	11.77	2293	13.25	2435	14.72	2563	16.35	2698	11.41	2384	12.68	2408	13.35	2432	14.67	2482
	79	11.63	2318	13.09	2462	14.54	2591	16.16	2727	11.28	2410	12.53	2434	13.19	2459	14.49	2509
	81	11.49	2344	12.93	2489	14.37	2620	15.96	2757	11.14	2437	12.38	2461	13.03	2486	14.32	2537
	82	11.36	2370	12.77	2516	14.19	2648	15.77	2788	11.01	2463	12.23	2488	12.87	2513	14.15	2565
	84	11.22	2396	12.62	2544	14.02	2678	15.58	2818	10.87	2490	12.08	2516	12.72	2541	13.98	2593
	86	11.08	2422	12.47	2572	13.86	2707	15.39	2849	10.74	2518	11.94	2543	12.57	2569	13.81	2621

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 18K(Heating up to 2 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	17.94	2376	18.40	2406	19.38	2495	20.35	2570	20.96	2621	21.58	2674
	61	17.73	2395	18.18	2425	19.15	2515	20.10	2590	20.71	2642	21.33	2695
	63	17.52	2415	17.97	2444	18.92	2535	19.87	2611	20.46	2664	21.08	2717
	64	17.31	2434	17.75	2464	18.70	2556	19.63	2632	20.22	2685	20.83	2739
	66	17.11	2454	17.54	2484	18.47	2576	19.40	2654	19.98	2707	20.58	2761
	68	16.94	2473	17.37	2504	18.29	2597	19.21	2675	19.78	2729	20.37	2783
	70	16.73	2501	17.16	2532	18.07	2626	18.97	2704	19.54	2759	20.13	2814
	72	16.53	2528	16.96	2559	17.85	2655	18.75	2734	19.31	2789	19.89	2845
	73	16.33	2556	16.75	2588	17.64	2684	18.52	2764	19.08	2820	19.65	2876
	75	16.14	2584	16.55	2616	17.43	2713	18.30	2795	18.85	2851	19.41	2908
	77	15.94	2613	16.35	2645	17.22	2743	18.08	2825	18.62	2882	19.18	2940
	79	15.75	2641	16.16	2674	17.01	2773	17.86	2857	18.40	2914	18.95	2972
	81	15.56	2670	15.96	2703	16.81	2804	17.65	2888	18.18	2946	18.72	3005
	82	15.38	2700	15.77	2733	16.61	2835	17.44	2920	17.96	2978	18.50	3038
	84	15.19	2729	15.58	2763	16.41	2866	17.23	2952	17.74	3011	18.28	3071
	86	15.01	2759	15.39	2794	16.21	2897	17.02	2984	17.53	3044	18.06	3105

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	12.85	2065	14.46	2192	16.06	2308	17.85	2429	12.46	2146	13.84	2168	14.57	2190	16.01	2235
	61	12.70	2081	14.29	2210	15.87	2326	17.64	2449	12.31	2164	13.68	2186	14.40	2208	15.82	2253
	63	12.55	2098	14.12	2228	15.69	2345	17.43	2468	12.16	2181	13.51	2203	14.23	2225	15.63	2271
	64	12.40	2115	13.95	2246	15.50	2364	17.22	2488	12.02	2199	13.35	2221	14.06	2243	15.45	2289
	66	12.25	2132	13.78	2264	15.32	2383	17.02	2508	11.88	2217	13.20	2239	13.89	2262	15.26	2308
	68	12.13	2149	13.65	2282	15.16	2402	16.85	2529	11.76	2234	13.07	2257	13.75	2280	15.11	2326
	70	11.99	2173	13.48	2307	14.98	2429	16.65	2556	11.62	2259	12.91	2282	13.59	2305	14.93	2352
	72	11.84	2197	13.32	2333	14.80	2455	16.45	2585	11.48	2284	12.75	2307	13.43	2330	14.75	2378
	73	11.70	2221	13.16	2358	14.62	2482	16.25	2613	11.34	2309	12.60	2332	13.26	2356	14.58	2404
	75	11.56	2245	13.00	2384	14.45	2510	16.05	2642	11.20	2334	12.45	2358	13.10	2382	14.40	2430
	77	11.42	2270	12.85	2410	14.28	2537	15.86	2671	11.07	2360	12.30	2384	12.95	2408	14.23	2457
	79	11.28	2295	12.69	2437	14.10	2565	15.67	2700	10.94	2386	12.15	2410	12.79	2434	14.06	2484
	81	11.15	2320	12.54	2464	13.94	2593	15.48	2730	10.81	2412	12.01	2437	12.64	2461	13.89	2511
	82	11.01	2346	12.39	2491	13.77	2622	15.30	2760	10.68	2439	11.86	2463	12.49	2488	13.72	2539
	84	10.88	2372	12.24	2518	13.60	2651	15.11	2790	10.55	2466	11.72	2490	12.34	2516	13.56	2567
	86	10.75	2398	12.10	2546	13.44	2680	14.93	2821	10.42	2493	11.58	2518	12.19	2543	13.39	2595

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	17.40	2352	17.85	2381	18.80	2470	19.73	2544	20.33	2595	20.94	2647
	61	17.20	2371	17.64	2401	18.57	2490	19.50	2565	20.09	2616	20.69	2668
	63	16.99	2390	17.43	2420	18.35	2510	19.27	2585	19.85	2637	20.44	2690
	64	16.79	2410	17.22	2440	18.13	2530	19.04	2606	19.61	2658	20.20	2711
	66	16.59	2429	17.02	2459	17.92	2551	18.82	2627	19.38	2680	19.96	2733
	68	16.43	2449	16.85	2479	17.74	2571	18.63	2648	19.19	2701	19.76	2755
	70	16.23	2476	16.65	2506	17.53	2599	18.41	2677	18.96	2731	19.53	2786
	72	16.04	2503	16.45	2534	17.32	2628	18.18	2707	18.73	2761	19.29	2816
	73	15.84	2530	16.25	2562	17.11	2657	17.97	2737	18.51	2791	19.06	2847
	75	15.65	2558	16.05	2590	16.91	2686	17.75	2767	18.28	2822	18.83	2879
	77	15.47	2586	15.86	2618	16.70	2716	17.54	2797	18.06	2853	18.61	2910
	79	15.28	2615	15.67	2647	16.50	2746	17.33	2828	17.85	2885	18.38	2942
	81	15.10	2644	15.48	2676	16.30	2776	17.12	2859	17.63	2916	18.16	2975
	82	14.92	2673	15.30	2706	16.11	2806	16.91	2891	17.42	2948	17.94	3007
	84	14.74	2702	15.11	2736	15.92	2837	16.71	2922	17.21	2981	17.73	3040
	86	14.56	2732	14.93	2766	15.72	2868	16.51	2954	17.01	3014	17.52	3074

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	Cooling Operation PERFORMANCE DATA																																																	
			OUTDOOR DB (°F)																																																	
			5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
	70	64	27.71	16.90	0.61	2129	27.43	16.73	0.61	2148	27.13	16.55	0.61	2168	26.78	16.34	0.61	2186	26.52	16.18	0.61	2197	26.23	16.00	0.61	2269	25.87	15.78	0.61	2369	25.41	15.50	0.61	2529	24.82	15.14	0.61	2646	24.09	14.70	0.61	2745	22.17	13.52	0.61	2883	21.94	13.39	0.61	2912	18.10	11.04	0.61	3023
	70	68	28.85	14.14	0.49	2152	28.56	14.00	0.49	2172	28.25	13.84	0.49	2192	27.89	13.67	0.49	2209	27.61	13.53	0.49	2220	27.31	13.38	0.49	2293	26.94	13.20	0.49	2393	26.46	12.96	0.49	2553	25.84	12.66	0.49	2670	25.09	12.29	0.49	2769	23.08	11.31	0.49	2907	22.85	11.20	0.49	2936	18.85	9.24	0.49	3047
	72	64	28.56	18.57	0.65	2150	28.28	18.38	0.65	2170	27.97	18.18	0.65	2190	27.61	17.95	0.65	2208	27.34	17.77	0.65	2219	27.04	17.58	0.65	2292	26.67	17.33	0.65	2393	26.20	17.03	0.65	2555	25.58	16.63	0.65	2673	24.84	16.14	0.65	2773	22.85	14.85	0.65	2912	22.62	14.70	0.65	2941	18.66	12.13	0.65	3054
	72	68	29.44	15.60	0.53	2174	29.15	15.45	0.53	2194	28.83	15.28	0.53	2214	28.46	15.08	0.53	2231	28.18	14.93	0.53	2243	27.87	14.77	0.53	2316	27.49	14.57	0.53	2417	27.00	14.31	0.53	2579	26.37	13.97	0.53	2697	25.60	13.57	0.53	2797	23.55	12.48	0.53	2936	23.32	12.36	0.53	2965	19.23	10.19	0.53	3077
	72	72	29.94	12.27	0.41	2190	29.64	12.15	0.41	2210	29.32	12.02	0.41	2230	28.94	11.87	0.41	2248	28.66	11.75	0.41	2259	28.34	11.62	0.41	2332	27.95	11.46	0.41	2433	27.46	11.26	0.41	2595	26.81	10.99	0.41	2713	26.03	10.67	0.41	2813	23.95	9.82	0.41	2952	23.71	9.72	0.41	2981	19.56	8.02	0.41	3094
	73	64	29.15	20.11	0.69	2172	28.86	19.91	0.69	2192	28.54	19.69	0.69	2212	28.18	19.44	0.69	2230	27.90	19.25	0.69	2241	27.59	19.04	0.69	2316	27.21	18.78	0.69	2418	26.73	18.44	0.69	2581	26.11	18.01	0.69	2700	25.34	17.49	0.69	2801	23.32	16.09	0.69	2942	23.08	15.93	0.69	2971	19.04	13.14	0.69	3084
	73	68	30.04	17.12	0.57	2196	29.74	16.95	0.57	2216	29.42	16.77	0.57	2236	29.04	16.55	0.57	2254	28.75	16.39	0.57	2265	28.44	16.21	0.57	2340	28.05	15.99	0.57	2442	27.55	15.70	0.57	2605	26.90	15.34	0.57	2724	26.12	14.89	0.57	2825	24.03	13.70	0.57	2966	23.79	13.56	0.57	2995	19.63	11.19	0.57	3108
	73	72	30.55	13.75	0.45	2213	30.25	13.61	0.45	2232	29.92	13.46	0.45	2252	29.53	13.29	0.45	2270	29.24	13.16	0.45	2282	28.92	13.01	0.45	2356	28.52	12.84	0.45	2458	28.02	12.61	0.45	2621	27.36	12.31	0.45	2740	26.56	11.95	0.45	2841	24.44	11.00	0.45	2982	24.20	10.89	0.45	3011	19.96	8.98	0.45	3125
	75	64	29.74	21.71	0.73	2194	29.45	21.50	0.73	2214	29.13	21.26	0.73	2234	28.75	20.99	0.73	2252	28.47	20.78	0.73	2264	28.16	20.55	0.73	2339	27.77	20.27	0.73	2442	27.28	19.91	0.73	2607	26.64	19.45	0.73	2727	25.86	18.88	0.73	2829	23.79	17.37	0.73	2971	23.56	17.20	0.73	3001	19.43	14.19	0.73	3116
	75	68	30.65	18.70	0.61	2218	30.35	18.51	0.61	2238	30.02	18.31	0.61	2259	29.63	18.08	0.61	2277	29.34	17.90	0.61	2288	29.02	17.70	0.61	2363	28.62	17.46	0.61	2466	28.11	17.15	0.61	2631	27.45	16.75	0.61	2751	26.65	16.26	0.61	2854	24.52	14.96	0.61	2996	24.28	14.81	0.61	3025	20.03	12.22	0.61	3140
	75	72	31.17	15.27	0.49	2235	30.86	15.12	0.49	2255	30.53	14.96	0.49	2275	30.14	14.77	0.49	2293	29.84	14.62	0.49	2305	29.51	14.46	0.49	2380	29.10	14.26	0.49	2483	28.59	14.01	0.49	2648	27.92	13.68	0.49	2768	27.11	13.28	0.49	2870	24.94	12.22	0.49	3012	24.69	12.10	0.49	3042	20.37	9.98	0.49	3156
	75	75	31.61	11.69	0.37	2254	31.30	11.58	0.37	2274	30.95	11.45	0.37	2294	30.56	11.31	0.37	2313	30.25	11.19	0.37	2324	29.93	11.07	0.37	2399	29.51	10.92	0.37	2502	28.99	10.73	0.37	2667	28.31	10.48	0.37	2787	27.49	10.17	0.37	2890	25.29	9.36	0.37	3032	25.03	9.26	0.37	3061	20.65	7.64	0.37	3176
	77	64	30.66	23.61	0.77	2216	30.36	23.37	0.77	2237	30.03	23.12	0.77	2257	29.64	22.82	0.77	2275	29.35	22.60	0.77	2287	29.03	22.35	0.77	2363	28.63	22.04	0.77	2467	28.12	21.65	0.77	2633	27.46	21.15	0.77	2755	26.66	20.53	0.77	2858	24.53	18.89	0.77	3001	24.28	18.70	0.77	3031	20.03	15.43	0.77	3147
	77	68	31.60	20.54	0.65	2241	31.29	20.34	0.65	2261	30.95	20.11	0.65	2281	30.55	19.86	0.65	2300	30.25	19.66	0.65	2311	29.92	19.45	0.65	2387	29.50	19.18	0.65	2491	28.98	18.84	0.65	2658	28.30	18.40	0.65	2779	27.48	17.86	0.65	2882	25.28	16.43	0.65	3026	25.03	16.27	0.65	3056	20.65	13.42	0.65	3172
	77	72	32.14	17.03	0.53	2257	31.82	16.86	0.53	2278	31.47	16.68	0.53	2298	31.07	16.47	0.53	2316	30.76	16.30	0.53	2328	30.43	16.13	0.53	2404	30.01	15.90	0.53	2508	29.47	15.62	0.53	2674	28.78	15.26	0.53	2796	27.95	14.81	0.53	2899	25.71	13.63	0.53	3043	25.45	13.49	0.53	3073	21.00	11.13	0.53	3188
	77	75	32.59	13.36	0.41	2277	32.26	13.23	0.41	2297	31.91	13.08	0.41	2318	31.50	12.92	0.41	2336	31.19	12.79	0.41	2347	30.85	12.65	0.41	2423	30.43	12.47	0.41	2527	29.89	12.25	0.41	2694	29.19	11.97	0.41	2815	28.34	11.62	0.41	2919	26.07	10.69	0.41	3062	25.81	10.58	0.41	3092	21.29	8.73	0.41	3208
	79	64	31.61	25.60	0.81	2239	31.30	25.35	0.81	2259	30.95	25.07	0.81	2280	30.56	24.75	0.81	2298	30.25	24.51	0.81	2310	29.93	24.24	0.81	2386	29.51	23.91	0.81	2492	28.99	23.48	0.81	2660	28.31	22.93	0.81	2783	27.49	22.26	0.81	2887	25.29	20.48	0.81	3032	25.03	20.28	0.81	3062	20.65	16.73	0.81	3179
	79	68	32.58	22.48	0.69	2263	32.25	22.25	0.69	2284	31.90	22.01	0.69	2304	31.49	21.73	0.69	2323	31.18	21.51	0.69	2335	30.84	21.28	0.69	2411	30.42	20.99	0.69	2516	29.88	20.62	0.69	2684	29.18	20.13	0.69	2807	28.33	19.55	0.69	2912	26.06	17.98	0.69	3056	25.80	17.80	0.69	3087	21.29	14.69	0.69	3204
	79	72	33.13	18.88	0.57	2280	32.80	18.70	0.57	2301	32.44	18.49	0.57	2321	32.03	18.26	0.57	2340	31.71	18.08	0.57	2351	31.37	17.88	0.57	2428	30.93	17.63	0.57	2533	30.39	17.32	0.57	2701	29.67	16.91	0.57	2824	28.81	16.42	0.57	2928	26.50	15.11	0.57	3073	26.24	14.96	0.57	3104	21.65	12.34	0.57	3220
	79	75	33.59	15.12	0.45	2300	33.26	14.97	0.45	2320	32.90	14.80	0.45	2341	32.48	14.61	0.45	2360	32.16	14.47	0.45	2371	31.81	14.31	0.45	2448	31.37	14.11	0.45	2553	30.81	13.87	0.45	2721	30.09	13.54	0.45	2844	29.21	13.15	0.45	2948	26.88	12.09	0.45	3093	26.61	11.97	0.45	3123	21.95	9.88	0.45	3240
	79	79	34.13	11.26	0.33	2323	33.79	11.15	0.33	2343	33.43	11.03	0.33	2364	33.00	10.89	0.33	2382	32.67	10.78	0.33	2394	32.31	10.66	0.33	2471	31.87	10.52	0.33	2576	31.30	10.33	0.33	2744	30.57	10.09	0.33	2867	29.68	9.79	0.33	2971	27.31	9.01	0.33	3116	27.03	8.92	0.33	3146	22.30	7.36	0.33	3263
	81	64	32.25	27.42	0.85	2261	31.93	27.14	0.85	2282	31.59	26.85	0.85	2303	31.18	26.50	0.85	2321	30.87	26.24	0.85	2333	30.54	25.96	0.85	2411	30.11	25.60	0.85	2517	29.58	25.15	0.85	2687	28.89	24.56	0.85	2811	28.05	23.84	0.85	2916	25.80	21.93	0.85	3062	25.55	21.71	0.85	3093	21.08	17.91	0.85	3211
	81	66	32.91	26.00	0.79	2271	32.59	25.74	0.79	2292	32.23	25.46	0.79	2313	31.82	25.14	0.79	2331	31.50	24.89	0.79	2343	31.16	24.62	0.79	2421	30.73	24.28	0.79	2527	30.19	23.85	0.79	2697	29.48	23.29	0.79	2821	28.62	22.61	0.79	2926	26.33	20.80	0.79	3072	26.07	20.59	0.79	3103	21.51	16.99	0.79	3221
	81	68	33.24	24.27	0.73	2286	32.91	24.03	0.73	2307	32.55	23.76	0.73	2328	32.14	23.46	0.73	2346	31.82	23.23	0.73	2358	31.47	22.97	0.73	2436	31.04	22.66	0.73	2542	30.49	22.26	0.73	2712	29.77	21.73	0.73	2836	28.91	21.10	0.73	2941	26.59	19.41	0.73	3087	26.33	19.22	0.73	3118	21.72	15.86	0.73	3236
	81	72	33.81	20.62	0.61	2303	33.47	20.42	0.61	2324	33.11	20.20	0.61	2345	32.68	19.94	0.61	2363	32.36	19.74	0.61	2375	32.01	19.52	0.61	2453	31.56	19.25	0.61	2559	31.01	18.91	0.61	2729	30.28	18.47	0.61	2853	29.40	17.93	0.61	2958	27.05	16.50	0.61	3104	26.78	16.33	0.61	3135	22.09	13.47	0.61	3253
	81	75	34.28	16.80	0.49	2323	33.94	16.63	0.49	2344	33.57	16.45	0.49	2365	33.14	16.24	0.49	2383	32.81	16.08	0.49	2395	32.45	15.90	0.49	2473	32.01	15.68	0.49	2579	31.44	15.41	0.49	2749	30.70	15.04	0.49	2873	29.81	14.61	0.49	2978	27.42	13.44	0.49	3124	27.15	13.30	0.49	3155	22.40	10.98	0.49	3273
130%	81	79	34.83	12.89	0.37	2346	34.48	12.76	0.37	2367	34.11	12.62	0.37	2388	33.67	12.46	0.37	2406	33.34	12.33	0.37	2418	32.97	12.20	0.37	2496	32.52	12.03	0.37	2602	31.94	11.82	0.37	2772	31.19	11.54	0.37	2896	30.29	11.21	0.37	3001	27.86	10.31	0.37	3147	27.58	10.21	0.37	3178	22.76	8.42	0.37	3296
	82	64	32.58	28.99	0.89	2284	32.25	28.71	0.89	2305	31.90	28.39	0.89	2326	31.49	28.03	0.89	2345	31.18	27.75	0.89	2356	30.84	27.45	0.89	2435	30.42	27.07	0.89	2542	29.88	26.59	0.89	2713	29.18	25.97	0.89	2839	28.33	25.21	0.89	2945	26.06	23.20	0.89	3093	25.80	22.96	0.89	3124	21.29	18.94	0.89	3243
	82	68	33.24	25.60	0.77	2309	32.91	25.34	0.77	2330	32.55	25.07	0.77	2351	32.14	24.74	0.77	2370	31.82	24.50	0.77	2382	31.47	24.23	0.77	2460	31.04	23.90	0.77	2567	30.49	23.48	0.77	2739	29.77	22.93	0.77	2864	28.91	22.26	0.77	2970	26.59	20.48	0.77	3118	26.33	20.27	0.77	3149	21.72	16.72	0.77	3268
	82	72	33.57	21.82	0.65	2326	33.24	21.61	0.65	2347	32.88	21.37	0.65	2368	32.46	21.10	0.65	2387	32.14	20.89	0.65	2399	31.79	20.66	0.65	2477	31.35	20.38	0.65	2584	30.79	20.02	0.65	2756	30.07	19.55	0.65	2881	29.20	18.98	0.65	2988	26.86	17.46	0.65	3135	26.59	17.28	0.65	3166	21.94	14.26	0.65	3285
	82	75	34.14	18.10	0.53	2347	33.81	17.92	0.53	2367	33.44	17.72	0.53	2388	33.01	17.49	0.53	2407	32.68	17.32	0.53	2419	32.33	17.13	0.53	2497	31.88	16.90	0.53	2604	31.32	16.60	0.53	2776	30.58	16.21	0.53	2901	29.69	15.74	0.53	3008	27.32	14.48	0.53	3156	27.04	14.33	0.53	3187	22.31	11.82	0.53	3306
	82	79	34.62	14.19	0.41	2370	34.28	14.05	0.41	2391	33.91	13.90	0.41	2412	33.47	13.72	0.41	2430	33.14	13.59	0.41	2442	32.78	13.44	0.41	2521	32.33	13.25	0.41	2628	31.75	13.02	0.41	2799	31.01	12.71	0.41	2925	30.11	12.34	0.41	3031	27.70	11.36	0.41	3179	27.42	11.24	0.41	3210	22.62	9.28	0.41	3329
	84	64	32.90	29.94	0.91	2307	32.58	29.64	0.91	2328	32.22	29.32	0.91	2349	31.81	28.95	0.91	2368	31.49	28.66	0.91	2380	31.15	28.35	0.91	2459	30.72	27.96	0.91	2567	30.18	27.46	0.91	2741	29.47	26.82	0.91	2867	28.61	26.04	0.91	2975	26.32	23.95	0.91	3124	26.06	23.71	0.91	3155	21.50	19.56	0.91	3275
	84	68	33.57	27.19	0.81	2332	33.24	26.92	0.81	2353	32.88	26.63	0.81	2375	32.46	26.29	0.81	2394	32.14	26.03	0.81	2405	31.79	25.75	0.81	2485	31.35	25.39	0.81	2593	30.79	24.94	0.81	2766	30.07	24.36	0.81	2893	29.20	23.65	0.81	3000	26.86	21.76	0.81	3149	26.59	21.54	0.81	3181	21.94	17.77	0.81	3301
	84	72	34.24	23.63	0.69	2350	33.91	23.39	0.69	2371	33.54	23.14	0.69	2392	33.11	22.84	0.69	2411	32.78	22.62	0.69	2423	32.42	22.37	0.69	2502	31.97	22.06	0.69	2610	31.41	21.67	0.69	2783	30.67	21.16	0.69	2910	29.78	20.55	0.69	3017	27.40	18.90	0.69	3167	27.12	18.71	0.69	3198	22.38	15.44	0.69	3318
	84	75	34.49	19.66	0.57	2370	34.14	19.46	0.57	2391	33.77	19.25	0.57	2412	33.34	19.00	0.57	2431	33.01	18.81	0.57	2443	32.65	18.61	0.57	2522	32.20	18.35	0.57	2631	31.63	18.03	0.57	2804	30.89	17.61	0.57	2930	29.99	17.09	0.57	3038	27.59	15.73	0.57	3187	27.31	15.57	0.57	3218	22.53	12.84	0.57	3339
	84	79	34.97	15.74	0.45	2393	34.62	15.58	0.45	2414	34.25	15.41	0.45	2436	33.81	15.21	0.45	2455	33.47	15.06	0.45	2467	33.11	14.90	0.45	2546	32.65	14.69	0.45	2654	32.07	14.43	0.45	2827	31.32	14.09	0.45	2954	30.41	13.68	0.45	3061	27.98	12.59	0.45	3211	27.70	12.46	0.45	3242	22.85	10.28	0.45	3362
	86	64	33.23	30.24	0.91	2330	32.90	29.94	0.91	2351	32.54	29.61	0.91	2373	32.13	29.23	0.91	2392	31.81	28.95	0.91	2404	31.46	28.63	0.91	2484	31.03	28.23	0.91	2593	30.48	27.74	0.91	2768	29.76	27.09	0.91	2896	28.90	26.30	0.91	3004	26.59	24.19	0.91	3155	26.32	23.95	0.91	3187	21.71	19.76	0.91	3308
	86	68	33.91	28.82	0.85	2356	33.57	28.54	0.85	2377	33.21	28.23	0.85	2398	32.78	27.86	0.85	2417	32.46	27.59	0.85	2430	32.10	27.29	0.85	2509	31.66	26.91	0.85	2619	31.10	26.44	0.85	2794	30.37	25.82	0.85	2922	29.49	25.06	0.85	3030	27.13	23.06	0.85	3181	26.86	22.83	0.85	3213	22.16	18.83	0.85	3334
	86	72	34.59	25.25	0.73	2373	34.24	25.00	0.73	2394	33.87	24.73	0.73	2416	33.44	24.41	0.73	2435	33.11	24.17	0.73	2447	32.75	23.90	0.73	2527	32.29	23.57	0.73	2636	31.72	23.16	0.73	2811	30.98	22.61	0.73	2939	30.08	21.96	0.73	3048	27.67	20.20	0.73	3198	27.39	20.00	0.73	3230	22.60	16.50	0.73	3352
	86	75	34.83	21.25	0.61	2394	34.49	21.04	0.61	2415	34.11	20.81	0.61	2436	33.67	20.54	0.61	2456	33.34	20.34	0.61	2468	32.98	20.12	0.61	2547	32.52	19.84	0.61	2657	31.95	19.49	0.61	2832	31.20	19.03	0.61	2960	30.29	18.48	0.61	3068	27.87	17.00	0.61	3219	27.59	16.83	0.61	3251	22.76	13.88	0.61	3372
	86	79	35.32	17.31	0.49	2417	34.97	17.13	0.49	2439	34.59	16.95	0.49	2460	34.14	16.73	0.49	2479	33.81	16.56	0.49	2491	33.44	16.38	0.49	2571	32.98	16.16	0.49	2681	32.39	15.87	0.49	2856	31.63	15.50	0.49	2983	30.71	15.05	0.49	3092	28.26	13.85	0.49	3243	27.97	13.71	0.49	3274	23.08	11.31	0.49	3396
	88	64	33.56	30.54	0.91	2353	33.23	30.24	0.91	2375	32.87	29.91	0.91	2396	32.45	29.53	0.91	2416	32.13	29.23	0.91	2428	31.78	28.92	0.91	2508	31.34	28.52	0.91	2619	30.78	28.01	0.91	2796	30.06	27.36	0.91	2925	29.19	26.56	0.91	3034	26.85	24.43	0.91	3187	26.58	24.19	0.91	3219	21.93	19.96	0.91	3341
	88	68	34.25	30.48	0.89	2379	33.91	30.18	0.89	2401	33.54	29.85	0.89	2422	33.11	29.47	0.89	2442	32.78	29.18	0.89	2454	32.42	28.86	0.89	2534	31.98	28.46	0.89	2645	31.41	27.96	0.89	2822	30.68	27.30	0.89	2951	29.78	26.51	0.89	3060	27.40	24.39	0.89	3213	27.13	24.14	0.89	3245	22.38	19.92	0.89	3367
	88	72	34.93	26.90	0.77	2397	34.59	26.63	0.77	2418	34.21	26.34	0.77	2440	33.77	26.00	0.77	2459	33.44	25.75	0.77	2472	33.07	25.47	0.77	2552	32.62	25.11	0.77	2663	32.04	24.67	0.77	2839	31.29	24.09	0.77	2968	30.38	23.39	0.77	3078	27.95	21.52	0.77	3230	27.67	21.30	0.77	3262	22.83	17.58	0.77	3385
	88	75	35.18	22.87	0.65	2418	34.83	22.64	0.65	2439	34.45	22.39	0.65	2461	34.01	22.11	0.65	2480	33.67	21.89	0.65	2492	33.31	21.65	0.65	2573	32.85	21.35	0.65	2683	32.27	20.97	0.65	2860	31.51	20.48	0.65	2989	30.59	19.88	0.65	3099	28.14	18.29	0.65	3251	27.86	18.11	0.65	3283	22.99	14.94	0.65	3406
	88	79	35.67	18.91	0.53	2442	35.32	18.72	0.53	2463	34.93	18.51	0.53	2485	34.49	18.28	0.53	2504	34.14	18.10	0.53	2516	33.77	17.90	0.53	2597	33.31	17.65	0.53	2707	32.72	17.34	0.53	2884	31.95	16.93	0.53	3013	31.02	16.44	0.53	3123	28.54	15.13	0.53	3275	28.25	14.97	0.53	3307	23.31	12.35	0.53	3430
	90	64	33.90	30.85	0.91	2377	33.56	30.54	0.91	2398	33.20	30.21	0.91	2420	32.77	29.82	0.91	2440	32.45	29.53	0.91	2452	32.09	29.21	0.91	2534	31.65	28.80	0.91	2645	31.09	28.29	0.91	2824	30.36	27.63	0.91	2954	29.48	26.83	0.91	3065	27.12	24.68	0.91	3219	26.85	24.43	0.91	3251	22.15	20.16	0.91	3375
	90	68	34.59	31.48	0.91	2403	34.25	31.17	0.91	2425	33.88	30.83	0.91	2446	33.44	30.43	0.91	2466	33.11	30.13	0.91	2478	32.75	29.80	0.91	2560	32.30	29.39	0.91	2671	31.73	28.87	0.91	2850	30.98	28.19	0.91	2980	30.08	27.37	0.91	3091	27.67	25.18	0.91	3245	27.40	24.93	0.91	3277	22.60	20.57	0.91	3401
	90	72	35.28	28.58	0.81	2421	34.93	28.30	0.81	2442	34.55	27.99	0.81	2464	34.11	27.63	0.81	2484	33.77	27.35	0.81	2496	33.40	27.06	0.81	2578	32.94	26.68	0.81	2689	32.36	26.21	0.81	2868	31.60	25.60	0.81	2998	30.68	24.85	0.81	3109	28.23	22.86	0.81	3263	27.94	22.64	0.81	3295	23.05	18.67	0.81	3419
	90	75	35.53	24.52	0.69	2442	35.18	24.27	0.69	2463	34.80	24.01	0.69	2485	34.35	23.70	0.69	2505	34.01	23.47	0.69	2517	33.64	23.21	0.69	2599	33.17	22.89	0.69	2710	32.59	22.49	0.69	2889	31.82	21.96	0.69	3019	30.90	21.32	0.69	3130	28.43	19.61	0.69	3284	28.14	19.42	0.69	3316	23.22	16.02	0.69	3440
	90	79	36.03	20.54	0.57	2466	35.67	20.33	0.57	2488	35.28	20.11	0.57	2510	34.83	19.85	0.57	2529	34.49	19.66	0.57	2541	34.11	19.44	0.57	2623	33.64	19.17	0.57	2734	33.04	18.84	0.57	2913	32.27	18.39	0.57	3043	31.33	17.86	0.57	3154	28.82	16.43	0.57	3308	28.54	16.27	0.57	3340	23.54	13.42	0.57	3464

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	17.56	10.71	0.61	3044	15.63	9.53	0.61	3105	15.00	9.15	0.61	3136	14.25	8.69	0.61	3199
	70	68	18.28	8.96	0.49	3068	16.27	7.97	0.49	3129	15.62	7.65	0.49	3160	14.84	7.27	0.49	3223
	72	64	18.10	11.77	0.65	3075	16.11	10.47	0.65	3137	15.47	10.05	0.65	3168	14.69	9.55	0.65	3232
	72	68	18.66	9.89	0.53	3099	16.61	8.80	0.53	3160	15.94	8.45	0.53	3192	15.14	8.03	0.53	3255
	72	72	18.98	7.78	0.41	3115	16.89	6.92	0.41	3177	16.21	6.65	0.41	3208	15.40	6.31	0.41	3272
	73	64	18.47	12.75	0.69	3106	16.44	11.34	0.69	3168	15.78	10.89	0.69	3200	14.99	10.35	0.69	3264
	73	68	19.04	10.85	0.57	3130	16.94	9.66	0.57	3192	16.27	9.27	0.57	3224	15.45	8.81	0.57	3288
	73	72	19.36	8.71	0.45	3146	17.23	7.75	0.45	3209	16.54	7.44	0.45	3241	15.72	7.07	0.45	3305
	75	64	18.85	13.76	0.73	3137	16.78	12.25	0.73	3200	16.11	11.76	0.73	3232	15.30	11.17	0.73	3297
	75	68	19.43	11.85	0.61	3162	17.29	10.55	0.61	3225	16.60	10.13	0.61	3257	15.77	9.62	0.61	3322
	75	72	19.76	9.68	0.49	3178	17.58	8.62	0.49	3241	16.88	8.27	0.49	3273	16.04	7.86	0.49	3338
	75	75	20.03	7.41	0.37	3198	17.83	6.60	0.37	3261	17.12	6.33	0.37	3293	16.26	6.02	0.37	3357
	77	64	19.43	14.96	0.77	3169	17.30	13.32	0.77	3233	16.60	12.78	0.77	3265	15.77	12.15	0.77	3331
	77	68	20.03	13.02	0.65	3194	17.82	11.59	0.65	3257	17.11	11.12	0.65	3290	16.26	10.57	0.65	3355
	77	72	20.37	10.80	0.53	3210	18.13	9.61	0.53	3274	17.40	9.22	0.53	3306	16.53	8.76	0.53	3372
	77	75	20.65	8.47	0.41	3230	18.38	7.54	0.41	3293	17.65	7.24	0.41	3326	16.76	6.87	0.41	3391
	79	64	20.03	16.23	0.81	3201	17.83	14.44	0.81	3265	17.12	13.86	0.81	3298	16.26	13.17	0.81	3364
	79	68	20.65	14.25	0.69	3226	18.38	12.68	0.69	3290	17.64	12.17	0.69	3323	16.76	11.56	0.69	3389
	79	72	21.00	11.97	0.57	3243	18.69	10.65	0.57	3307	17.94	10.23	0.57	3340	17.04	9.72	0.57	3406
	79	75	21.29	9.58	0.45	3263	18.95	8.53	0.45	3327	18.19	8.19	0.45	3360	17.28	7.78	0.45	3426
	79	79	21.63	7.14	0.33	3285	19.25	6.35	0.33	3350	18.48	6.10	0.33	3382	17.56	5.79	0.33	3448
	81	64	20.44	17.38	0.85	3233	18.19	15.47	0.85	3298	17.47	14.85	0.85	3331	16.59	14.10	0.85	3398
	81	66	20.86	16.48	0.79	3243	18.57	14.67	0.79	3308	17.82	14.08	0.79	3341	16.93	13.38	0.79	3408
	81	68	21.07	15.38	0.73	3258	18.75	13.69	0.73	3323	18.00	13.14	0.73	3356	17.10	12.48	0.73	3423
	81	72	21.43	13.07	0.61	3275	19.07	11.63	0.61	3340	18.31	11.17	0.61	3373	17.39	10.61	0.61	3440
	81	75	21.73	10.65	0.49	3295	19.34	9.48	0.49	3360	18.56	9.10	0.49	3393	17.64	8.64	0.49	3460
	81	79	22.07	8.17	0.37	3318	19.65	7.27	0.37	3383	18.86	6.98	0.37	3416	17.92	6.63	0.37	3483
	82	64	20.65	18.38	0.89	3266	18.38	16.35	0.89	3331	17.64	15.70	0.89	3365	16.76	14.92	0.89	3432
	82	68	21.07	16.22	0.77	3291	18.75	14.44	0.77	3357	18.00	13.86	0.77	3390	17.10	13.17	0.77	3457
	82	72	21.28	13.83	0.65	3308	18.94	12.31	0.65	3374	18.18	11.82	0.65	3407	17.27	11.23	0.65	3475
	82	75	21.64	11.47	0.53	3328	19.26	10.21	0.53	3394	18.49	9.80	0.53	3427	17.57	9.31	0.53	3495
	82	79	21.94	9.00	0.41	3352	19.53	8.01	0.41	3417	18.75	7.69	0.41	3451	17.81	7.30	0.41	3518
	84	64	20.85	18.98	0.91	3298	18.56	16.89	0.91	3365	17.82	16.21	0.91	3398	16.93	15.40	0.91	3467
	84	68	21.28	17.24	0.81	3324	18.94	15.34	0.81	3390	18.18	14.73	0.81	3424	17.27	13.99	0.81	3492
	84	72	21.71	14.98	0.69	3341	19.32	13.33	0.69	3407	18.54	12.80	0.69	3441	17.62	12.16	0.69	3509
	84	75	21.86	12.46	0.57	3362	19.45	11.09	0.57	3428	18.68	10.64	0.57	3462	17.74	10.11	0.57	3530
	84	79	22.16	9.97	0.45	3385	19.73	8.88	0.45	3451	18.94	8.52	0.45	3485	17.99	8.10	0.45	3553
	86	64	21.06	19.17	0.91	3331	18.75	17.06	0.91	3398	18.00	16.38	0.91	3432	17.10	15.56	0.91	3501
	86	68	21.49	18.27	0.85	3357	19.13	16.26	0.85	3424	18.36	15.61	0.85	3458	17.44	14.83	0.85	3527
	86	72	21.92	16.00	0.73	3375	19.51	14.24	0.73	3442	18.73	13.67	0.73	3476	17.79	12.99	0.73	3545
	86	75	22.08	13.47	0.61	3395	19.65	11.99	0.61	3462	18.86	11.51	0.61	3496	17.92	10.93	0.61	3565
	86	79	22.39	10.97	0.49	3419	19.92	9.76	0.49	3486	19.13	9.37	0.49	3520	18.17	8.90	0.49	3589
	88	64	21.27	19.36	0.91	3365	18.93	17.23	0.91	3432	18.18	16.54	0.91	3467	17.27	15.71	0.91	3536
	88	68	21.71	19.32	0.89	3391	19.32	17.19	0.89	3458	18.55	16.51	0.89	3493	17.62	15.68	0.89	3562
	88	72	22.14	17.05	0.77	3408	19.71	15.17	0.77	3476	18.92	14.57	0.77	3510	17.97	13.84	0.77	3580
	88	75	22.30	14.49	0.65	3429	19.84	12.90	0.65	3497	19.05	12.38	0.65	3531	18.10	11.76	0.65	3601
	88	79	22.61	11.98	0.53	3453	20.12	10.66	0.53	3521	19.32	10.24	0.53	3555	18.35	9.73	0.53	3625
	90	64	21.49	19.55	0.91	3398	19.12	17.40	0.91	3467	18.36	16.71	0.91	3501	17.44	15.87	0.91	3572
	90	68	21.92	19.95	0.91	3425	19.51	17.76	0.91	3493	18.73	17.05	0.91	3528	17.80	16.19	0.91	3598
	90	72	22.36	18.11	0.81	3443	19.90	16.12	0.81	3511	19.11	15.48	0.81	3546	18.15	14.70	0.81	3616
	90	75	22.52	15.54	0.69	3464	20.04	13.83	0.69	3532	19.24	13.28	0.69	3567	18.28	12.61	0.69	3637
	90	79	22.84	13.02	0.57	3488	20.32	11.58	0.57	3556	19.51	11.12	0.57	3591	18.53	10.56	0.57	3661

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

			Cooling Operation PERFORMANCE DATA																																											
			OUTDOOR DB (°F)																																											
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	27.44	16.74	0.61	2108	27.17	16.58	0.61	2128	26.88	16.39	0.61	2147	26.53	16.18	0.61	2165	26.27	16.02	0.61	2175	25.98	15.85	0.61	2248	25.62	15.63	0.61	2347	25.17	15.35	0.61	2505	24.58	14.99	0.61	2621	23.87	14.56	0.61	2719	21.96	13.39	0.61	2855	21.74	13.26	0.61	2884	17.93	10.94	0.61	2994
	70	68	28.58	14.00	0.49	2132	28.29	13.86	0.49	2151	27.99	13.71	0.49	2171	27.63	13.54	0.49	2188	27.35	13.40	0.49	2199	27.05	13.26	0.49	2271	26.68	13.07	0.49	2370	26.21	12.84	0.49	2529	25.60	12.54	0.49	2644	24.85	12.18	0.49	2743	22.86	11.20	0.49	2879	22.63	11.09	0.49	2908	18.67	9.15	0.49	3018
	72	64	28.29	18.39	0.65	2130	28.01	18.21	0.65	2149	27.71	18.01	0.65	2169	27.35	17.78	0.65	2186	27.08	17.60	0.65	2197	26.79	17.41	0.65	2270	26.42	17.17	0.65	2370	25.95	16.87	0.65	2530	25.34	16.47	0.65	2647	24.60	15.99	0.65	2746	22.64	14.71	0.65	2884	22.41	14.57	0.65	2913	18.49	12.02	0.65	3024
	72	68	29.16	15.45	0.53	2154	28.87	15.30	0.53	2173	28.56	15.13	0.53	2193	28.19	14.94	0.53	2210	27.91	14.79	0.53	2221	27.61	14.63	0.53	2294	27.23	14.43	0.53	2394	26.74	14.17	0.53	2554	26.12	13.84	0.53	2671	25.36	13.44	0.53	2770	23.33	12.36	0.53	2908	23.10	12.24	0.53	2937	19.05	10.10	0.53	3048
	72	72	29.65	12.16	0.41	2170	29.36	12.04	0.41	2189	29.04	11.91	0.41	2209	28.67	11.75	0.41	2226	28.39	11.64	0.41	2237	28.08	11.51	0.41	2310	27.69	11.35	0.41	2410	27.20	11.15	0.41	2570	26.56	10.89	0.41	2687	25.79	10.57	0.41	2786	23.72	9.73	0.41	2924	23.49	9.63	0.41	2953	19.38	7.94	0.41	3064
	73	64	28.87	19.92	0.69	2151	28.58	19.72	0.69	2171	28.27	19.51	0.69	2191	27.91	19.26	0.69	2208	27.63	19.07	0.69	2220	27.33	18.86	0.69	2293	26.96	18.60	0.69	2394	26.48	18.27	0.69	2556	25.86	17.84	0.69	2674	25.11	17.32	0.69	2774	23.10	15.94	0.69	2913	22.87	15.78	0.69	2943	18.86	13.02	0.69	3055
	73	68	29.75	16.96	0.57	2175	29.46	16.79	0.57	2195	29.14	16.61	0.57	2215	28.77	16.40	0.57	2232	28.48	16.23	0.57	2244	28.17	16.06	0.57	2317	27.78	15.84	0.57	2418	27.29	15.56	0.57	2580	26.65	15.19	0.57	2698	25.87	14.75	0.57	2798	23.80	13.57	0.57	2937	23.57	13.43	0.57	2967	19.44	11.08	0.57	3079
	73	72	30.26	13.62	0.45	2192	29.96	13.48	0.45	2211	29.63	13.34	0.45	2231	29.25	13.16	0.45	2249	28.96	13.03	0.45	2260	28.65	12.89	0.45	2334	28.25	12.71	0.45	2435	27.75	12.49	0.45	2596	27.10	12.20	0.45	2714	26.31	11.84	0.45	2815	24.21	10.89	0.45	2954	23.97	10.79	0.45	2983	19.77	8.90	0.45	3095
	75	64	29.46	21.51	0.73	2173	29.17	21.29	0.73	2193	28.85	21.06	0.73	2213	28.48	20.79	0.73	2231	28.20	20.58	0.73	2242	27.89	20.36	0.73	2316	27.51	20.08	0.73	2418	27.02	19.72	0.73	2582	26.39	19.26	0.73	2701	25.62	18.70	0.73	2802	23.57	17.21	0.73	2943	23.33	17.03	0.73	2972	19.25	14.05	0.73	3086
	75	68	30.36	18.52	0.61	2197	30.06	18.34	0.61	2217	29.73	18.14	0.61	2237	29.35	17.90	0.61	2255	29.06	17.73	0.61	2266	28.75	17.53	0.61	2341	28.35	17.29	0.61	2443	27.85	16.99	0.61	2606	27.19	16.59	0.61	2725	26.40	16.11	0.61	2826	24.29	14.82	0.61	2967	24.05	14.67	0.61	2997	19.84	12.10	0.61	3110
	75	72	30.88	15.13	0.49	2214	30.57	14.98	0.49	2234	30.24	14.82	0.49	2254	29.85	14.63	0.49	2272	29.56	14.48	0.49	2283	29.23	14.32	0.49	2357	28.83	14.13	0.49	2459	28.32	13.88	0.49	2622	27.66	13.55	0.49	2742	26.85	13.16	0.49	2843	24.70	12.10	0.49	2984	24.46	11.98	0.49	3013	20.18	9.89	0.49	3126
	75	75	31.31	11.58	0.37	2233	31.00	11.47	0.37	2253	30.66	11.35	0.37	2273	30.27	11.20	0.37	2291	29.97	11.09	0.37	2302	29.64	10.97	0.37	2377	29.23	10.82	0.37	2479	28.72	10.63	0.37	2642	28.04	10.38	0.37	2761	27.23	10.07	0.37	2862	25.05	9.27	0.37	3003	24.80	9.18	0.37	3033	20.46	7.57	0.37	3146
	77	64	30.37	23.39	0.77	2195	30.07	23.15	0.77	2215	29.74	22.90	0.77	2235	29.36	22.61	0.77	2253	29.07	22.38	0.77	2265	28.75	22.14	0.77	2340	28.36	21.83	0.77	2443	27.86	21.45	0.77	2608	27.20	20.95	0.77	2728	26.41	20.34	0.77	2831	24.30	18.71	0.77	2973	24.05	18.52	0.77	3002	19.85	15.28	0.77	3117
	77	68	31.30	20.35	0.65	2219	30.99	20.14	0.65	2240	30.65	19.92	0.65	2260	30.26	19.67	0.65	2278	29.96	19.47	0.65	2289	29.63	19.26	0.65	2364	29.23	19.00	0.65	2467	28.71	18.66	0.65	2632	28.04	18.22	0.65	2753	27.22	17.69	0.65	2855	25.04	16.28	0.65	2997	24.79	16.11	0.65	3027	20.45	13.29	0.65	3141
	77	72	31.83	16.87	0.53	2236	31.52	16.70	0.53	2256	31.17	16.52	0.53	2276	30.77	16.31	0.53	2294	30.47	16.15	0.53	2306	30.14	15.97	0.53	2381	29.72	15.75	0.53	2484	29.20	15.47	0.53	2649	28.51	15.11	0.53	2769	27.68	14.67	0.53	2872	25.47	13.50	0.53	3014	25.21	13.36	0.53	3044	20.80	11.02	0.53	3158
	77	75	32.28	13.23	0.41	2256	31.96	13.10	0.41	2276	31.61	12.96	0.41	2296	31.21	12.79	0.41	2314	30.90	12.67	0.41	2325	30.56	12.53	0.41	2401	30.14	12.36	0.41	2504	29.61	12.14	0.41	2669	28.91	11.85	0.41	2789	28.07	11.51	0.41	2891	25.82	10.59	0.41	3033	25.57	10.48	0.41	3063	21.09	8.65	0.41	3178
	79	64	31.31	25.36	0.81	2217	31.00	25.11	0.81	2237	30.66	24.84	0.81	2258	30.27	24.52	0.81	2276	29.97	24.28	0.81	2288	29.64	24.01	0.81	2364	29.23	23.68	0.81	2468	28.72	23.26	0.81	2634	28.04	22.72	0.81	2756	27.23	22.05	0.81	2859	25.05	20.29	0.81	3003	24.80	20.09	0.81	3033	20.46	16.57	0.81	3148
	79	68	32.27	22.27	0.69	2242	31.95	22.04	0.69	2262	31.60	21.80	0.69	2283	31.20	21.53	0.69	2301	30.89	21.31	0.69	2312	30.55	21.08	0.69	2388	30.13	20.79	0.69	2492	29.60	20.42	0.69	2659	28.90	19.94	0.69	2781	28.06	19.36	0.69	2884	25.82	17.81	0.69	3027	25.56	17.63	0.69	3057	21.09	14.55	0.69	3173
	79	72	32.82	18.71	0.57	2259	32.49	18.52	0.57	2279	32.14	18.32	0.57	2299	31.73	18.08	0.57	2318	31.41	17.90	0.57	2329	31.07	17.71	0.57	2405	30.64	17.47	0.57	2509	30.10	17.16	0.57	2676	29.39	16.75	0.57	2797	28.54	16.27	0.57	2901	26.25	14.97	0.57	3044	25.99	14.82	0.57	3074	21.44	12.22	0.57	3190
	79	75	33.28	14.97	0.45	2279	32.95	14.83	0.45	2299	32.59	14.66	0.45	2319	32.17	14.48	0.45	2337	31.85	14.33	0.45	2349	31.51	14.18	0.45	2425	31.07	13.98	0.45	2529	30.52	13.73	0.45	2696	29.81	13.41	0.45	2817	28.94	13.02	0.45	2921	26.62	11.98	0.45	3064	26.36	11.86	0.45	3094	21.74	9.78	0.45	3210
	79	79	33.81	11.16	0.33	2301	33.47	11.05	0.33	2322	33.11	10.93	0.33	2342	32.69	10.79	0.33	2360	32.36	10.68	0.33	2372	32.01	10.56	0.33	2448	31.57	10.42	0.33	2552	31.01	10.23	0.33	2718	30.28	9.99	0.33	2840	29.40	9.70	0.33	2943	27.05	8.93	0.33	3087	26.78	8.84	0.33	3117	22.09	7.29	0.33	3232
	81	64	31.95	27.16	0.85	2240	31.63	26.89	0.85	2260	31.29	26.60	0.85	2281	30.89	26.25	0.85	2299	30.58	25.99	0.85	2311	30.25	25.71	0.85	2387	29.83	25.36	0.85	2492	29.30	24.91	0.85	2661	28.62	24.32	0.85	2784	27.78	23.62	0.85	2888	25.56	21.73	0.85	3033	25.30	21.51	0.85	3063	20.88	17.74	0.85	3180
	81	66	32.60	25.75	0.79	2250	32.28	25.50	0.79	2270	31.93	25.22	0.79	2291	31.52	24.90	0.79	2309	31.21	24.65	0.79	2321	30.87	24.38	0.79	2397	30.44	24.05	0.79	2502	29.90	23.62	0.79	2671	29.20	23.07	0.79	2794	28.35	22.40	0.79	2898	26.08	20.60	0.79	3043	25.82	20.40	0.79	3073	21.30	16.83	0.79	3190
	81	68	32.93	24.04	0.73	2265	32.60	23.80	0.73	2285	32.25	23.54	0.73	2306	31.83	23.24	0.73	2324	31.52	23.01	0.73	2336	31.17	22.76	0.73	2412	30.74	22.44	0.73	2517	30.20	22.05	0.73	2686	29.49	21.53	0.73	2809	28.63	20.90	0.73	2913	26.34	19.23	0.73	3058	26.08	19.04	0.73	3088	21.52	15.71	0.73	3205
	81	72	33.49	20.43	0.61	2282	33.16	20.22	0.61	2302	32.79	20.00	0.61	2323	32.37	19.75	0.61	2341	32.05	19.55	0.61	2353	31.70	19.34	0.61	2429	31.27	19.07	0.61	2534	30.71	18.74	0.61	2703	29.99	18.30	0.61	2826	29.12	17.76	0.61	2930	26.79	16.34	0.61	3075	26.52	16.18	0.61	3105	21.88	13.35	0.61	3222
	81	75	33.96	16.64	0.49	2302	33.62	16.47	0.49	2322	33.25	16.29	0.49	2343	32.83	16.09	0.49	2361	32.50	15.93	0.49	2373	32.15	15.75	0.49	2449	31.70	15.54	0.49	2554	31.14	15.26	0.49	2723	30.41	14.90	0.49	2846	29.53	14.47	0.49	2950	27.17	13.31	0.49	3095	26.89	13.18	0.49	3125	22.19	10.87	0.49	3242
	81	79	34.50	12.76	0.37	2325	34.16	12.64	0.37	2345	33.79	12.50	0.37	2366	33.35	12.34	0.37	2384	33.02	12.22	0.37	2396	32.66	12.09	0.37	2472	32.21	11.92	0.37	2577	31.64	11.71	0.37	2746	30.90	11.43	0.37	2869	30.00	11.10	0.37	2973	27.60	10.21	0.37	3118	27.32	10.11	0.37	3148	22.54	8.34	0.37	3265
	82	64	32.27	28.72	0.89	2262	31.95	28.43	0.89	2283	31.60	28.13	0.89	2303	31.20	27.76	0.89	2322	30.89	27.49	0.89	2334	30.55	27.19	0.89	2411	30.13	26.81	0.89	2517	29.60	26.34	0.89	2687	28.90	25.72	0.89	2812	28.06	24.97	0.89	2917	25.82	22.98	0.89	3063	25.56	22.75	0.89	3094	21.09	18.77	0.89	3212
	82	68	32.93	25.35	0.77	2287	32.60	25.10	0.77	2308	32.25	24.83	0.77	2329	31.83	24.51	0.77	2347	31.52	24.27	0.77	2359	31.17	24.00	0.77	2437	30.74	23.67	0.77	2543	30.20	23.25	0.77	2713	29.49	22.71	0.77	2837	28.63	22.05	0.77	2942	26.34	20.28	0.77	3088	26.08	20.08	0.77	3119	21.52	16.57	0.77	3237
	82	72	33.26	21.62	0.65	2304	32.93	21.40	0.65	2325	32.57	21.17	0.65	2346	32.15	20.90	0.65	2364	31.83	20.69	0.65	2376	31.49	20.47	0.65	2454	31.05	20.18	0.65	2560	30.50	19.83	0.65	2730	29.79	19.36	0.65	2854	28.92	18.80	0.65	2959	26.61	17.29	0.65	3106	26.34	17.12	0.65	3136	21.73	14.12	0.65	3254
	82	75	33.82	17.93	0.53	2325	33.49	17.75	0.53	2345	33.12	17.55	0.53	2366	32.70	17.33	0.53	2385	32.37	17.16	0.53	2396	32.02	16.97	0.53	2474	31.58	16.74	0.53	2580	31.02	16.44	0.53	2750	30.29	16.06	0.53	2874	29.41	15.59	0.53	2980	27.06	14.34	0.53	3126	26.79	14.20	0.53	3157	22.10	11.71	0.53	3275
	82	79	34.30	14.06	0.41	2348	33.96	13.92	0.41	2368	33.59	13.77	0.41	2389	33.16	13.59	0.41	2408	32.83	13.46	0.41	2420	32.47	13.31	0.41	2497	32.02	13.13	0.41	2603	31.46	12.90	0.41	2773	30.72	12.59	0.41	2897	29.82	12.23	0.41	3003	27.44	11.25	0.41	3149	27.16	11.14	0.41	3180	22.41	9.19	0.41	3298
	84	64	32.59	29.66	0.91	2285	32.27	29.36	0.91	2305	31.92	29.04	0.91	2326	31.51	28.67	0.91	2345	31.20	28.39	0.91	2357	30.86	28.08	0.91	2435	30.43	27.69	0.91	2543	29.89	27.20	0.91	2714	29.19	26.56	0.91	2840	28.34	25.79	0.91	2946	26.07	23.73	0.91	3094	25.81	23.49	0.91	3125	21.30	19.38	0.91	3244
	84	68	33.26	26.94	0.81	2310	32.93	26.67	0.81	2331	32.57	26.38	0.81	2352	32.15	26.04	0.81	2371	31.83	25.78	0.81	2383	31.49	25.50	0.81	2461	31.05	25.15	0.81	2568	30.50	24.71	0.81	2740	29.79	24.13	0.81	2865	28.92	23.43	0.81	2972	26.61	21.55	0.81	3119	26.34	21.34	0.81	3150	21.73	17.60	0.81	3270
	84	72	33.92	23.41	0.69	2327	33.59	23.17	0.69	2348	33.22	22.92	0.69	2369	32.79	22.63	0.69	2388	32.47	22.40	0.69	2400	32.12	22.16	0.69	2478	31.67	21.85	0.69	2585	31.11	21.47	0.69	2757	30.38	20.96	0.69	2882	29.50	20.35	0.69	2989	27.14	18.73	0.69	3137	26.87	18.54	0.69	3168	22.17	15.29	0.69	3287
	84	75	34.16	19.47	0.57	2348	33.82	19.28	0.57	2369	33.45	19.07	0.57	2390	33.02	18.82	0.57	2409	32.70	18.64	0.57	2420	32.34	18.43	0.57	2499	31.90	18.18	0.57	2606	31.33	17.86	0.57	2777	30.60	17.44	0.57	2903	29.71	16.93	0.57	3009	27.33	15.58	0.57	3157	27.06	15.42	0.57	3188	22.32	12.72	0.57	3307
	84	79	34.64	15.59	0.45	2371	34.30	15.43	0.45	2392	33.92	15.26	0.45	2413	33.49	15.07	0.45	2432	33.16	14.92	0.45	2444	32.79	14.76	0.45	2522	32.34	14.55	0.45	2629	31.77	14.30	0.45	2801	31.03	13.96	0.45	2926	30.12	13.55	0.45	3033	27.71	12.47	0.45	3181	27.43	12.35	0.45	3212	22.63	10.19	0.45	3331
	86	64	32.92	29.95	0.91	2307	32.59	29.66	0.91	2328	32.24	29.34	0.91	2350	31.82	28.96	0.91	2369	31.51	28.67	0.91	2381	31.16	28.36	0.91	2460	30.73	27.97	0.91	2568	30.19	27.47	0.91	2741	29.48	26.83	0.91	2868	28.62	26.05	0.91	2976	26.33	23.96	0.91	3125	26.07	23.73	0.91	3156	21.51	19.57	0.91	3276
	86	68	33.59	28.55	0.85	2333	33.26	28.27	0.85	2354	32.89	27.96	0.85	2375	32.47	27.60	0.85	2394	32.15	27.33	0.85	2406	31.80	27.03	0.85	2485	31.36	26.66	0.85	2594	30.81	26.19	0.85	2767	30.09	25.57	0.85	2894	29.21	24.83	0.85	3001	26.87	22.84	0.85	3151	26.60	22.61	0.85	3182	21.95	18.66	0.85	3302
	86	72	34.26	25.01	0.73	2351	33.92	24.76	0.73	2372	33.55	24.49	0.73	2393	33.12	24.18	0.73	2412	32.79	23.94	0.73	2424	32.44	23.68	0.73	2503	31.99	23.35	0.73	2611	31.42	22.94	0.73	2785	30.69	22.40	0.73	2911	29.79	21.75	0.73	3019	27.41	20.01	0.73	3168	27.14	19.81	0.73	3199	22.39	16.34	0.73	3320
	86	75	34.50	21.05	0.61	2371	34.16	20.84	0.61	2392	33.79	20.61	0.61	2414	33.35	20.35	0.61	2433	33.02	20.14	0.61	2445	32.66	19.93	0.61	2524	32.21	19.65	0.61	2632	31.64	19.30	0.61	2805	30.90	18.85	0.61	2932	30.00	18.30	0.61	3039	27.60	16.84	0.61	3189	27.33	16.67	0.61	3220	22.54	13.75	0.61	3340
	86	79	34.98	17.14	0.49	2395	34.64	16.97	0.49	2416	34.26	16.79	0.49	2437	33.82	16.57	0.49	2456	33.49	16.41	0.49	2468	33.12	16.23	0.49	2547	32.66	16.01	0.49	2656	32.09	15.72	0.49	2829	31.34	15.35	0.49	2956	30.42	14.91	0.49	3063	27.99	13.71	0.49	3212	27.71	13.58	0.49	3244	22.86	11.20	0.49	3364
	88	64	33.25	30.25	0.91	2330	32.92	29.95	0.91	2352	32.56	29.63	0.91	2373	32.14	29.25	0.91	2392	31.82	28.96	0.91	2404	31.48	28.64	0.91	2484	31.04	28.25	0.91	2594	30.49	27.75	0.91	2769	29.78	27.10	0.91	2897	28.91	26.31	0.91	3005	26.60	24.20	0.91	3156	26.33	23.96	0.91	3188	21.72	19.77	0.91	3309
	88	68	33.92	30.19	0.89	2357	33.59	29.89	0.89	2378	33.22	29.57	0.89	2399	32.80	29.19	0.89	2418	32.47	28.90	0.89	2431	32.12	28.59	0.89	2510	31.68	28.19	0.89	2620	31.12	27.69	0.89	2795	30.39	27.04	0.89	2923	29.50	26.26	0.89	3031	27.14	24.16	0.89	3182	26.87	23.91	0.89	3214	22.17	19.73	0.89	3335
	88	72	34.60	26.64	0.77	2374	34.26	26.38	0.77	2395	33.89	26.09	0.77	2417	33.45	25.76	0.77	2436	33.12	25.50	0.77	2448	32.76	25.23	0.77	2528	32.31	24.88	0.77	2637	31.74	24.44	0.77	2812	30.99	23.87	0.77	2940	30.09	23.17	0.77	3049	27.68	21.32	0.77	3200	27.41	21.10	0.77	3231	22.61	17.41	0.77	3353
	88	75	34.85	22.65	0.65	2395	34.50	22.43	0.65	2416	34.13	22.18	0.65	2438	33.69	21.90	0.65	2457	33.35	21.68	0.65	2469	32.99	21.44	0.65	2549	32.54	21.15	0.65	2658	31.96	20.77	0.65	2833	31.21	20.29	0.65	2961	30.30	19.70	0.65	3070	27.88	18.12	0.65	3221	27.60	17.94	0.65	3252	22.77	14.80	0.65	3374
	88	79	35.33	18.73	0.53	2419	34.98	18.54	0.53	2440	34.60	18.34	0.53	2462	34.16	18.10	0.53	2481	33.82	17.93	0.53	2493	33.45	17.73	0.53	2573	32.99	17.49	0.53	2682	32.41	17.18	0.53	2857	31.65	16.77	0.53	2985	30.73	16.29	0.53	3094	28.27	14.98	0.53	3244	27.99	14.83	0.53	3276	23.09	12.24	0.53	3398
	90	64	33.58	30.56	0.91	2354	33.25	30.25	0.91	2375	32.88	29.92	0.91	2397	32.46	29.54	0.91	2416	32.14	29.25	0.91	2429	31.79	28.93	0.91	2509	31.35	28.53	0.91	2620	30.80	28.03	0.91	2796	30.08	27.37	0.91	2926	29.20	26.57	0.91	3035	26.86	24.45	0.91	3188	26.60	24.20	0.91	3220	21.94	19.97	0.91	3342
	90	68	34.26	31.18	0.91	2380	33.92	30.87	0.91	2402	33.56	30.54	0.91	2423	33.12	30.14	0.91	2443	32.80	29.85	0.91	2455	32.44	29.52	0.91	2535	31.99	29.11	0.91	2646	31.43	28.60	0.91	2823	30.69	27.93	0.91	2952	29.80	27.11	0.91	3062	27.41	24.95	0.91	3214	27.14	24.70	0.91	3246	22.39	20.37	0.91	3369
	90	72	34.95	28.31	0.81	2398	34.60	28.03	0.81	2419	34.23	27.72	0.81	2441	33.79	27.37	0.81	2460	33.45	27.10	0.81	2473	33.09	26.80	0.81	2553	32.63	26.43	0.81	2664	32.06	25.96	0.81	2841	31.30	25.36	0.81	2970	30.39	24.62	0.81	3079	27.96	22.65	0.81	3232	27.68	22.42	0.81	3264	22.84	18.50	0.81	3386
	90	75	35.19	24.28	0.69	2419	34.85	24.04	0.69	2440	34.47	23.78	0.69	2462	34.02	23.48	0.69	2482	33.69	23.24	0.69	2494	33.32	22.99	0.69	2574	32.86	22.67	0.69	2685	32.28	22.27	0.69	2862	31.52	21.75	0.69	2991	30.61	21.12	0.69	3100	28.16	19.43	0.69	3253	27.88	19.23	0.69	3285	23.00	15.87	0.69	3407
	90	79	35.69	20.34	0.57	2443	35.33	20.14	0.57	2465	34.95	19.92	0.57	2486	34.50	19.67	0.57	2506	34.16	19.47	0.57	2518	33.79	19.26	0.57	2599	33.32	18.99	0.57	2709	32.73	18.66	0.57	2886	31.97	18.22	0.57	3015	31.03	17.69	0.57	3125	28.55	16.27	0.57	3277	28.27	16.11	0.57	3309	23.32	13.29	0.57	3432

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	17.39	10.61	0.61	3015	15.48	9.44	0.61	3076	14.86	9.07	0.61	3106	14.12	8.61	0.61	3169
	70	68	18.11	8.87	0.49	3039	16.12	7.90	0.49	3099	15.48	7.58	0.49	3130	14.70	7.20	0.49	3192
	72	64	17.93	11.66	0.65	3045	15.96	10.37	0.65	3107	15.32	9.96	0.65	3138	14.56	9.46	0.65	3201
	72	68	18.48	9.80	0.53	3069	16.45	8.72	0.53	3130	15.79	8.37	0.53	3162	15.00	7.95	0.53	3224
	72	72	18.80	7.71	0.41	3085	16.73	6.86	0.41	3147	16.06	6.58	0.41	3178	15.26	6.26	0.41	3241
	73	64	18.30	12.63	0.69	3076	16.29	11.24	0.69	3138	15.63	10.79	0.69	3169	14.85	10.25	0.69	3233
	73	68	18.86	10.75	0.57	3100	16.78	9.57	0.57	3162	16.11	9.18	0.57	3193	15.31	8.73	0.57	3257
	73	72	19.18	8.63	0.45	3117	17.07	7.68	0.45	3178	16.39	7.37	0.45	3210	15.57	7.01	0.45	3273
	75	64	18.67	13.63	0.73	3107	16.62	12.13	0.73	3170	15.95	11.65	0.73	3201	15.16	11.06	0.73	3266
	75	68	19.24	11.74	0.61	3132	17.13	10.45	0.61	3194	16.44	10.03	0.61	3226	15.62	9.53	0.61	3290
	75	72	19.57	9.59	0.49	3148	17.42	8.53	0.49	3210	16.72	8.19	0.49	3242	15.89	7.78	0.49	3306
	75	75	19.85	7.34	0.37	3167	17.66	6.53	0.37	3230	16.96	6.27	0.37	3262	16.11	5.96	0.37	3326
	77	64	19.25	14.82	0.77	3139	17.13	13.19	0.77	3202	16.45	12.66	0.77	3234	15.62	12.03	0.77	3299
	77	68	19.84	12.90	0.65	3163	17.66	11.48	0.65	3226	16.95	11.02	0.65	3258	16.10	10.47	0.65	3323
	77	72	20.18	10.69	0.53	3180	17.96	9.52	0.53	3243	17.24	9.14	0.53	3275	16.38	8.68	0.53	3340
	77	75	20.46	8.39	0.41	3199	18.21	7.47	0.41	3262	17.48	7.17	0.41	3295	16.61	6.81	0.41	3359
	79	64	19.85	16.07	0.81	3170	17.66	14.31	0.81	3234	16.96	13.73	0.81	3266	16.11	13.05	0.81	3332
	79	68	20.45	14.11	0.69	3195	18.20	12.56	0.69	3259	17.47	12.06	0.69	3291	16.60	11.45	0.69	3357
	79	72	20.80	11.86	0.57	3212	18.51	10.55	0.57	3276	17.77	10.13	0.57	3308	16.88	9.62	0.57	3374
	79	75	21.09	9.49	0.45	3232	18.77	8.45	0.45	3295	18.02	8.11	0.45	3328	17.12	7.70	0.45	3393
	79	79	21.43	7.07	0.33	3255	19.07	6.29	0.33	3318	18.31	6.04	0.33	3351	17.39	5.74	0.33	3416
	81	64	20.25	17.21	0.85	3202	18.02	15.32	0.85	3267	17.30	14.71	0.85	3299	16.44	13.97	0.85	3366
	81	66	20.66	16.32	0.79	3212	18.39	14.53	0.79	3277	17.65	13.95	0.79	3309	16.77	13.25	0.79	3376
	81	68	20.87	15.24	0.73	3227	18.57	13.56	0.73	3292	17.83	13.02	0.73	3324	16.94	12.37	0.73	3391
	81	72	21.22	12.95	0.61	3244	18.89	11.52	0.61	3309	18.13	11.06	0.61	3341	17.23	10.51	0.61	3408
	81	75	21.52	10.55	0.49	3264	19.15	9.39	0.49	3329	18.39	9.01	0.49	3361	17.47	8.56	0.49	3428
	81	79	21.87	8.09	0.37	3287	19.46	7.20	0.37	3352	18.68	6.91	0.37	3384	17.75	6.57	0.37	3451
	82	64	20.45	18.20	0.89	3234	18.20	16.20	0.89	3299	17.47	15.55	0.89	3332	16.60	14.77	0.89	3399
	82	68	20.87	16.07	0.77	3260	18.57	14.30	0.77	3325	17.83	13.73	0.77	3358	16.94	13.04	0.77	3425
	82	72	21.08	13.70	0.65	3277	18.76	12.19	0.65	3342	18.01	11.71	0.65	3375	17.11	11.12	0.65	3442
	82	75	21.44	11.36	0.53	3297	19.08	10.11	0.53	3362	18.32	9.71	0.53	3395	17.40	9.22	0.53	3462
	82	79	21.74	8.91	0.41	3320	19.35	7.93	0.41	3385	18.57	7.61	0.41	3418	17.64	7.23	0.41	3485
	84	64	20.66	18.80	0.91	3267	18.38	16.73	0.91	3332	17.65	16.06	0.91	3366	16.77	15.26	0.91	3433
	84	68	21.08	17.07	0.81	3292	18.76	15.20	0.81	3358	18.01	14.59	0.81	3391	17.11	13.86	0.81	3459
	84	72	21.50	14.84	0.69	3310	19.14	13.20	0.69	3375	18.37	12.68	0.69	3409	17.45	12.04	0.69	3476
	84	75	21.65	12.34	0.57	3330	19.27	10.98	0.57	3396	18.50	10.54	0.57	3429	17.57	10.02	0.57	3497
	84	79	21.95	9.88	0.45	3354	19.54	8.79	0.45	3419	18.76	8.44	0.45	3452	17.82	8.02	0.45	3520
	86	64	20.86	18.99	0.91	3299	18.57	16.90	0.91	3366	17.83	16.22	0.91	3399	16.93	15.41	0.91	3468
	86	68	21.29	18.10	0.85	3325	18.95	16.11	0.85	3391	18.19	15.46	0.85	3425	17.28	14.69	0.85	3493
	86	72	21.72	15.85	0.73	3343	19.33	14.11	0.73	3409	18.55	13.54	0.73	3443	17.63	12.87	0.73	3511
	86	75	21.87	13.34	0.61	3363	19.46	11.87	0.61	3430	18.68	11.40	0.61	3463	17.75	10.83	0.61	3532
	86	79	22.17	10.87	0.49	3387	19.73	9.67	0.49	3453	18.95	9.28	0.49	3487	18.00	8.82	0.49	3555
	88	64	21.07	19.18	0.91	3332	18.75	17.07	0.91	3399	18.00	16.38	0.91	3433	17.10	15.56	0.91	3502
	88	68	21.50	19.14	0.89	3358	19.14	17.03	0.89	3425	18.37	16.35	0.89	3459	17.45	15.53	0.89	3528
	88	72	21.93	16.89	0.77	3376	19.52	15.03	0.77	3443	18.74	14.43	0.77	3477	17.80	13.71	0.77	3546
	88	75	22.09	14.36	0.65	3397	19.66	12.78	0.65	3464	18.87	12.27	0.65	3498	17.93	11.65	0.65	3567
	88	79	22.40	11.87	0.53	3421	19.93	10.56	0.53	3488	19.14	10.14	0.53	3522	18.18	9.63	0.53	3591
	90	64	21.28	19.37	0.91	3366	18.94	17.24	0.91	3433	18.18	16.55	0.91	3468	17.28	15.72	0.91	3537
	90	68	21.72	19.76	0.91	3392	19.33	17.59	0.91	3460	18.56	16.89	0.91	3494	17.63	16.04	0.91	3564
	90	72	22.15	17.94	0.81	3410	19.72	15.97	0.81	3477	18.93	15.33	0.81	3512	17.98	14.56	0.81	3581
	90	75	22.31	15.39	0.69	3431	19.85	13.70	0.69	3498	19.06	13.15	0.69	3533	18.11	12.49	0.69	3602
	90	79	22.62	12.89	0.57	3455	20.13	11.48	0.57	3523	19.33	11.02	0.57	3557	18.36	10.47	0.57	3627

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																		
			5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	26.92	16.42	0.61	2088	26.65	16.26	0.61	2107	26.36	16.08	0.61	2126	26.03	15.88	0.61	2144	25.77	15.72	0.61	2154	25.49	15.55	0.61	2226	25.14	15.33	0.61	2324	24.69	15.06	0.61	2481	24.11	14.71	0.61	2595	23.41	14.28	0.61	2693	21.77	13.28	0.61	2828	21.55	13.15	0.61	2856	17.78	10.85	0.61	2965
	70	68	28.03	13.74	0.49	2112	27.75	13.60	0.49	2131	27.45	13.45	0.49	2150	27.10	13.28	0.49	2167	26.83	13.15	0.49	2178	26.54	13.00	0.49	2249	26.17	12.82	0.49	2347	25.71	12.60	0.49	2504	25.11	12.30	0.49	2619	24.38	11.94	0.49	2716	22.67	11.11	0.49	2851	22.44	11.00	0.49	2880	18.52	9.07	0.49	2989
	72	64	27.75	18.04	0.65	2109	27.48	17.86	0.65	2128	27.18	17.67	0.65	2148	26.83	17.44	0.65	2165	26.57	17.27	0.65	2176	26.28	17.08	0.65	2248	25.91	16.84	0.65	2347	25.46	16.55	0.65	2506	24.86	16.16	0.65	2622	24.14	15.69	0.65	2720	22.45	14.59	0.65	2856	22.22	14.44	0.65	2885	18.33	11.92	0.65	2995
	72	68	28.60	15.16	0.53	2133	28.32	15.01	0.53	2152	28.01	14.85	0.53	2172	27.65	14.66	0.53	2189	27.38	14.51	0.53	2200	27.08	14.35	0.53	2272	26.71	14.15	0.53	2371	26.24	13.90	0.53	2530	25.62	13.58	0.53	2645	24.87	13.18	0.53	2744	23.13	12.26	0.53	2880	22.90	12.14	0.53	2909	18.89	10.01	0.53	3019
	72	72	29.09	11.93	0.41	2149	28.80	11.81	0.41	2168	28.49	11.68	0.41	2188	28.12	11.53	0.41	2205	27.84	11.42	0.41	2216	27.54	11.29	0.41	2288	27.16	11.14	0.41	2387	26.68	10.94	0.41	2546	26.06	10.68	0.41	2662	25.30	10.37	0.41	2760	23.53	9.65	0.41	2896	23.29	9.55	0.41	2925	19.21	7.88	0.41	3035
	73	64	28.32	19.54	0.69	2130	28.04	19.35	0.69	2150	27.73	19.14	0.69	2169	27.38	18.89	0.69	2187	27.11	18.70	0.69	2198	26.81	18.50	0.69	2271	26.44	18.25	0.69	2371	25.98	17.92	0.69	2531	25.37	17.50	0.69	2648	24.63	16.99	0.69	2747	22.90	15.80	0.69	2885	22.67	15.65	0.69	2914	18.71	12.91	0.69	3025
	73	68	29.19	16.64	0.57	2154	28.90	16.47	0.57	2174	28.58	16.29	0.57	2193	28.22	16.08	0.57	2211	27.94	15.92	0.57	2222	27.63	15.75	0.57	2295	27.25	15.53	0.57	2395	26.77	15.26	0.57	2555	26.14	14.90	0.57	2672	25.38	14.47	0.57	2771	23.60	13.45	0.57	2909	23.37	13.32	0.57	2938	19.28	10.99	0.57	3049
	73	72	29.68	13.36	0.45	2171	29.39	13.23	0.45	2190	29.07	13.08	0.45	2210	28.70	12.91	0.45	2227	28.41	12.79	0.45	2238	28.10	12.65	0.45	2311	27.72	12.47	0.45	2411	27.23	12.25	0.45	2571	26.59	11.96	0.45	2688	25.81	11.62	0.45	2788	24.01	10.80	0.45	2925	23.77	10.69	0.45	2954	19.61	8.82	0.45	3066
	75	64	28.90	21.10	0.73	2152	28.61	20.89	0.73	2172	28.30	20.66	0.73	2191	27.94	20.39	0.73	2209	27.66	20.19	0.73	2220	27.36	19.97	0.73	2294	26.98	19.70	0.73	2395	26.51	19.35	0.73	2557	25.88	18.90	0.73	2675	25.13	18.35	0.73	2775	23.37	17.06	0.73	2914	23.14	16.89	0.73	2944	19.09	13.93	0.73	3056
	75	68	29.78	18.17	0.61	2176	29.49	17.99	0.61	2196	29.17	17.79	0.61	2216	28.79	17.56	0.61	2233	28.51	17.39	0.61	2245	28.20	17.20	0.61	2318	27.81	16.96	0.61	2419	27.32	16.66	0.61	2581	26.68	16.27	0.61	2699	25.90	15.80	0.61	2799	24.09	14.69	0.61	2939	23.85	14.55	0.61	2968	19.67	12.00	0.61	3080
	75	72	30.29	14.84	0.49	2193	29.99	14.69	0.49	2212	29.66	14.53	0.49	2232	29.28	14.35	0.49	2250	28.99	14.21	0.49	2261	28.68	14.05	0.49	2335	28.28	13.86	0.49	2436	27.78	13.61	0.49	2597	27.13	13.29	0.49	2716	26.34	12.91	0.49	2816	24.50	12.00	0.49	2955	24.25	11.88	0.49	2984	20.01	9.80	0.49	3097
	75	75	30.71	11.36	0.37	2212	30.41	11.25	0.37	2232	30.08	11.13	0.37	2252	29.69	10.99	0.37	2269	29.40	10.88	0.37	2280	29.08	10.76	0.37	2354	28.68	10.61	0.37	2455	28.17	10.42	0.37	2617	27.51	10.18	0.37	2735	26.71	9.88	0.37	2835	24.84	9.19	0.37	2974	24.59	9.10	0.37	3004	20.29	7.51	0.37	3116
	77	64	29.79	22.94	0.77	2174	29.50	22.71	0.77	2194	29.18	22.47	0.77	2214	28.80	22.18	0.77	2231	28.52	21.96	0.77	2243	28.21	21.72	0.77	2317	27.82	21.42	0.77	2419	27.33	21.04	0.77	2583	26.68	20.55	0.77	2702	25.91	19.95	0.77	2803	24.09	18.55	0.77	2944	23.85	18.37	0.77	2973	19.68	15.15	0.77	3087
	77	68	30.70	19.96	0.65	2198	30.40	19.76	0.65	2218	30.07	19.55	0.65	2238	29.68	19.29	0.65	2256	29.39	19.10	0.65	2267	29.07	18.90	0.65	2342	28.67	18.63	0.65	2444	28.16	18.31	0.65	2607	27.50	17.88	0.65	2726	26.70	17.36	0.65	2828	24.83	16.14	0.65	2968	24.58	15.98	0.65	2998	20.28	13.18	0.65	3111
	77	72	31.23	16.55	0.53	2215	30.92	16.39	0.53	2235	30.58	16.21	0.53	2255	30.19	16.00	0.53	2273	29.89	15.84	0.53	2284	29.56	15.67	0.53	2358	29.16	15.45	0.53	2460	28.64	15.18	0.53	2624	27.97	14.82	0.53	2743	27.15	14.39	0.53	2844	25.25	13.38	0.53	2985	25.00	13.25	0.53	3014	20.63	10.93	0.53	3128
	77	75	31.66	12.98	0.41	2234	31.35	12.85	0.41	2254	31.01	12.71	0.41	2274	30.61	12.55	0.41	2292	30.31	12.43	0.41	2303	29.98	12.29	0.41	2378	29.56	12.12	0.41	2480	29.04	11.91	0.41	2643	28.36	11.63	0.41	2763	27.53	11.29	0.41	2864	25.61	10.50	0.41	3004	25.35	10.39	0.41	3034	20.91	8.58	0.41	3147
	79	64	30.71	24.88	0.81	2196	30.41	24.63	0.81	2216	30.08	24.36	0.81	2236	29.69	24.05	0.81	2254	29.40	23.81	0.81	2265	29.08	23.55	0.81	2341	28.68	23.23	0.81	2444	28.17	22.82	0.81	2609	27.51	22.28	0.81	2729	26.71	21.63	0.81	2831	24.84	20.12	0.81	2973	24.59	19.92	0.81	3003	20.29	16.43	0.81	3118
	79	68	31.65	21.84	0.69	2220	31.34	21.62	0.69	2240	31.00	21.39	0.69	2261	30.60	21.12	0.69	2279	30.30	20.91	0.69	2290	29.97	20.68	0.69	2365	29.56	20.39	0.69	2468	29.03	20.03	0.69	2633	28.35	19.56	0.69	2754	27.53	18.99	0.69	2856	25.60	17.66	0.69	2998	25.34	17.49	0.69	3028	20.91	14.43	0.69	3143
	79	72	32.19	18.35	0.57	2237	31.87	18.17	0.57	2257	31.53	17.97	0.57	2277	31.12	17.74	0.57	2296	30.81	17.56	0.57	2307	30.48	17.37	0.57	2382	30.06	17.13	0.57	2485	29.53	16.83	0.57	2650	28.83	16.44	0.57	2771	27.99	15.96	0.57	2873	26.03	14.84	0.57	3015	25.77	14.69	0.57	3045	21.26	12.12	0.57	3159
	79	75	32.64	14.69	0.45	2257	32.32	14.54	0.45	2277	31.97	14.39	0.45	2297	31.56	14.20	0.45	2315	31.25	14.06	0.45	2327	30.91	13.91	0.45	2402	30.48	13.72	0.45	2505	29.94	13.47	0.45	2670	29.24	13.16	0.45	2790	28.39	12.77	0.45	2893	26.40	11.88	0.45	3035	26.14	11.76	0.45	3065	21.56	9.70	0.45	3179
	79	79	33.16	10.94	0.33	2280	32.84	10.84	0.33	2300	32.48	10.72	0.33	2320	32.06	10.58	0.33	2338	31.74	10.48	0.33	2350	31.40	10.36	0.33	2425	30.97	10.22	0.33	2528	30.42	10.04	0.33	2693	29.71	9.80	0.33	2813	28.84	9.52	0.33	2916	26.82	8.85	0.33	3058	26.55	8.76	0.33	3087	21.91	7.23	0.33	3202
	81	64	31.34	26.64	0.85	2218	31.03	26.38	0.85	2238	30.69	26.09	0.85	2258	30.30	25.75	0.85	2277	30.00	25.50	0.85	2288	29.67	25.22	0.85	2364	29.26	24.87	0.85	2468	28.75	24.43	0.85	2635	28.07	23.86	0.85	2757	27.25	23.17	0.85	2860	25.35	21.54	0.85	3004	25.09	21.33	0.85	3034	20.70	17.60	0.85	3149
	81	66	31.98	25.26	0.79	2228	31.66	25.01	0.79	2248	31.32	24.74	0.79	2268	30.92	24.42	0.79	2287	30.61	24.18	0.79	2298	30.28	23.92	0.79	2374	29.86	23.59	0.79	2478	29.33	23.17	0.79	2645	28.64	22.63	0.79	2767	27.81	21.97	0.79	2870	25.86	20.43	0.79	3014	25.60	20.23	0.79	3044	21.12	16.69	0.79	3159
	81	68	32.30	23.58	0.73	2243	31.98	23.35	0.73	2263	31.63	23.09	0.73	2283	31.23	22.80	0.73	2302	30.92	22.57	0.73	2313	30.58	22.32	0.73	2389	30.16	22.02	0.73	2493	29.63	21.63	0.73	2660	28.93	21.12	0.73	2782	28.09	20.50	0.73	2885	26.12	19.07	0.73	3029	25.86	18.88	0.73	3059	21.34	15.57	0.73	3174
	81	72	32.85	20.04	0.61	2260	32.52	19.84	0.61	2280	32.17	19.62	0.61	2300	31.76	19.37	0.61	2319	31.44	19.18	0.61	2330	31.10	18.97	0.61	2406	30.67	18.71	0.61	2510	30.13	18.38	0.61	2677	29.42	17.95	0.61	2799	28.57	17.43	0.61	2902	26.57	16.21	0.61	3046	26.30	16.04	0.61	3076	21.70	13.24	0.61	3191
	81	75	33.31	16.32	0.49	2280	32.98	16.16	0.49	2300	32.62	15.98	0.49	2320	32.20	15.78	0.49	2339	31.88	15.62	0.49	2350	31.54	15.45	0.49	2426	31.10	15.24	0.49	2530	30.55	14.97	0.49	2697	29.83	14.62	0.49	2819	28.97	14.19	0.49	2922	26.94	13.20	0.49	3066	26.67	13.07	0.49	3096	22.00	10.78	0.49	3211
	81	79	33.84	12.52	0.37	2303	33.51	12.40	0.37	2323	33.14	12.26	0.37	2343	32.72	12.11	0.37	2362	32.39	11.99	0.37	2373	32.04	11.85	0.37	2449	31.60	11.69	0.37	2553	31.04	11.48	0.37	2720	30.31	11.22	0.37	2842	29.43	10.89	0.37	2945	27.37	10.13	0.37	3089	27.10	10.03	0.37	3119	22.35	8.27	0.37	3234
	82	64	31.65	28.17	0.89	2240	31.34	27.89	0.89	2260	31.00	27.59	0.89	2281	30.60	27.24	0.89	2300	30.30	26.97	0.89	2311	29.97	26.67	0.89	2388	29.56	26.30	0.89	2493	29.03	25.84	0.89	2661	28.35	25.23	0.89	2784	27.53	24.50	0.89	2889	25.60	22.78	0.89	3034	25.34	22.56	0.89	3064	20.91	18.61	0.89	3181
	82	68	32.30	24.87	0.77	2265	31.98	24.62	0.77	2286	31.63	24.36	0.77	2306	31.23	24.04	0.77	2325	30.92	23.81	0.77	2336	30.58	23.55	0.77	2413	30.16	23.22	0.77	2518	29.63	22.81	0.77	2687	28.93	22.28	0.77	2809	28.09	21.63	0.77	2914	26.12	20.11	0.77	3059	25.86	19.91	0.77	3089	21.34	16.43	0.77	3206
	82	72	32.62	21.20	0.65	2282	32.30	20.99	0.65	2303	31.95	20.77	0.65	2323	31.54	20.50	0.65	2342	31.23	20.30	0.65	2354	30.89	20.08	0.65	2430	30.46	19.80	0.65	2535	29.92	19.45	0.65	2704	29.22	18.99	0.65	2827	28.37	18.44	0.65	2931	26.38	17.15	0.65	3076	26.12	16.98	0.65	3106	21.55	14.01	0.65	3223
	82	75	33.18	17.58	0.53	2303	32.85	17.41	0.53	2323	32.49	17.22	0.53	2344	32.07	17.00	0.53	2362	31.76	16.83	0.53	2374	31.41	16.65	0.53	2450	30.98	16.42	0.53	2556	30.43	16.13	0.53	2724	29.72	15.75	0.53	2847	28.85	15.29	0.53	2951	26.83	14.22	0.53	3096	26.56	14.08	0.53	3127	21.91	11.61	0.53	3243
	82	79	33.64	13.79	0.41	2326	33.31	13.66	0.41	2346	32.95	13.51	0.41	2367	32.52	13.33	0.41	2385	32.20	13.20	0.41	2397	31.85	13.06	0.41	2474	31.41	12.88	0.41	2579	30.86	12.65	0.41	2747	30.13	12.35	0.41	2870	29.26	11.99	0.41	2974	27.21	11.15	0.41	3119	26.94	11.04	0.41	3150	22.22	9.11	0.41	3267
	84	64	31.97	29.09	0.91	2262	31.65	28.80	0.91	2283	31.31	28.49	0.91	2304	30.91	28.13	0.91	2323	30.60	27.85	0.91	2334	30.27	27.54	0.91	2412	29.85	27.16	0.91	2518	29.32	26.68	0.91	2688	28.64	26.06	0.91	2812	27.80	25.30	0.91	2917	25.86	23.53	0.91	3064	25.60	23.29	0.91	3095	21.12	19.22	0.91	3213
	84	68	32.62	26.42	0.81	2288	32.30	26.16	0.81	2309	31.95	25.88	0.81	2329	31.54	25.55	0.81	2348	31.23	25.29	0.81	2360	30.89	25.02	0.81	2437	30.46	24.67	0.81	2543	29.92	24.24	0.81	2713	29.22	23.67	0.81	2838	28.37	22.98	0.81	2943	26.38	21.37	0.81	3089	26.12	21.16	0.81	3120	21.55	17.45	0.81	3238
	84	72	33.28	22.96	0.69	2305	32.95	22.73	0.69	2326	32.59	22.49	0.69	2347	32.17	22.20	0.69	2365	31.85	21.98	0.69	2377	31.50	21.74	0.69	2455	31.07	21.44	0.69	2561	30.52	21.06	0.69	2731	29.80	20.57	0.69	2855	28.94	19.97	0.69	2960	26.91	18.57	0.69	3107	26.64	18.38	0.69	3137	21.98	15.17	0.69	3255
	84	75	33.51	19.10	0.57	2326	33.18	18.91	0.57	2346	32.82	18.71	0.57	2367	32.40	18.47	0.57	2386	32.07	18.28	0.57	2397	31.73	18.08	0.57	2475	31.29	17.83	0.57	2581	30.73	17.52	0.57	2751	30.01	17.11	0.57	2875	29.14	16.61	0.57	2981	27.10	15.45	0.57	3127	26.83	15.29	0.57	3158	22.13	12.62	0.57	3276
	84	79	33.98	15.29	0.45	2349	33.64	15.14	0.45	2370	33.28	14.97	0.45	2391	32.85	14.78	0.45	2409	32.52	14.64	0.45	2421	32.17	14.48	0.45	2498	31.73	14.28	0.45	2605	31.16	14.02	0.45	2775	30.43	13.70	0.45	2899	29.55	13.30	0.45	3004	27.48	12.37	0.45	3151	27.20	12.24	0.45	3181	22.44	10.10	0.45	3299
	86	64	32.29	29.38	0.91	2285	31.97	29.09	0.91	2306	31.62	28.78	0.91	2327	31.22	28.41	0.91	2346	30.91	28.13	0.91	2358	30.57	27.82	0.91	2436	30.15	27.44	0.91	2543	29.62	26.95	0.91	2715	28.92	26.32	0.91	2840	28.08	25.55	0.91	2947	26.11	23.76	0.91	3095	25.85	23.53	0.91	3126	21.33	19.41	0.91	3245
	86	68	32.95	28.01	0.85	2311	32.62	27.73	0.85	2332	32.27	27.43	0.85	2353	31.85	27.08	0.85	2372	31.54	26.81	0.85	2383	31.20	26.52	0.85	2462	30.76	26.15	0.85	2569	30.22	25.69	0.85	2741	29.51	25.09	0.85	2866	28.65	24.35	0.85	2972	26.65	22.65	0.85	3120	26.38	22.42	0.85	3151	21.76	18.50	0.85	3270
	86	72	33.61	24.53	0.73	2328	33.28	24.29	0.73	2349	32.91	24.03	0.73	2370	32.49	23.72	0.73	2389	32.17	23.48	0.73	2401	31.82	23.23	0.73	2479	31.38	22.91	0.73	2586	30.82	22.50	0.73	2758	30.10	21.97	0.73	2883	29.23	21.33	0.73	2990	27.18	19.84	0.73	3138	26.91	19.64	0.73	3169	22.20	16.21	0.73	3288
	86	75	33.84	20.64	0.61	2349	33.51	20.44	0.61	2370	33.14	20.22	0.61	2391	32.72	19.96	0.61	2410	32.40	19.76	0.61	2421	32.04	19.55	0.61	2500	31.60	19.28	0.61	2607	31.04	18.94	0.61	2779	30.31	18.49	0.61	2904	29.43	17.95	0.61	3011	27.37	16.70	0.61	3158	27.10	16.53	0.61	3189	22.36	13.64	0.61	3309
	86	79	34.32	16.82	0.49	2373	33.98	16.65	0.49	2393	33.61	16.47	0.49	2414	33.18	16.26	0.49	2433	32.85	16.10	0.49	2445	32.49	15.92	0.49	2523	32.04	15.70	0.49	2631	31.48	15.42	0.49	2802	30.74	15.06	0.49	2928	29.84	14.62	0.49	3034	27.75	13.60	0.49	3182	27.48	13.46	0.49	3213	22.67	11.11	0.49	3332
	88	64	32.61	29.68	0.91	2308	32.29	29.38	0.91	2329	31.94	29.06	0.91	2350	31.53	28.69	0.91	2369	31.22	28.41	0.91	2381	30.88	28.10	0.91	2460	30.45	27.71	0.91	2569	29.91	27.22	0.91	2742	29.21	26.58	0.91	2869	28.36	25.81	0.91	2976	26.38	24.00	0.91	3125	26.11	23.76	0.91	3157	21.54	19.60	0.91	3277
	88	68	33.28	29.62	0.89	2334	32.95	29.32	0.89	2355	32.59	29.01	0.89	2376	32.17	28.63	0.89	2395	31.85	28.35	0.89	2407	31.51	28.04	0.89	2486	31.07	27.65	0.89	2595	30.52	27.17	0.89	2768	29.81	26.53	0.89	2895	28.94	25.76	0.89	3002	26.91	23.95	0.89	3151	26.64	23.71	0.89	3183	21.98	19.56	0.89	3303
	88	72	33.94	26.14	0.77	2352	33.61	25.88	0.77	2373	33.24	25.60	0.77	2394	32.82	25.27	0.77	2413	32.49	25.02	0.77	2425	32.14	24.75	0.77	2504	31.69	24.40	0.77	2612	31.13	23.97	0.77	2786	30.40	23.41	0.77	2912	29.52	22.73	0.77	3020	27.45	21.14	0.77	3169	27.18	20.93	0.77	3201	22.42	17.26	0.77	3321
	88	75	34.18	22.22	0.65	2372	33.84	22.00	0.65	2393	33.48	21.76	0.65	2415	33.05	21.48	0.65	2434	32.72	21.27	0.65	2446	32.36	21.04	0.65	2525	31.92	20.75	0.65	2633	31.35	20.38	0.65	2806	30.62	19.90	0.65	2933	29.73	19.32	0.65	3041	27.64	17.97	0.65	3190	27.37	17.79	0.65	3221	22.58	14.68	0.65	3342
	88	79	34.66	18.37	0.53	2396	34.32	18.19	0.53	2417	33.94	17.99	0.53	2439	33.51	17.76	0.53	2458	33.18	17.58	0.53	2470	32.82	17.39	0.53	2549	32.36	17.15	0.53	2657	31.79	16.85	0.53	2830	31.05	16.45	0.53	2957	30.14	15.98	0.53	3065	28.03	14.86	0.53	3214	27.75	14.71	0.53	3245	22.89	12.13	0.53	3366
	90	64	32.94	29.97	0.91	2331	32.61	29.68	0.91	2352	32.26	29.35	0.91	2374	31.84	28.98	0.91	2393	31.53	28.69	0.91	2405	31.19	28.38	0.91	2485	30.76	27.99	0.91	2594	30.21	27.49	0.91	2769	29.50	26.85	0.91	2897	28.64	26.07	0.91	3006	26.64	24.24	0.91	3157	26.37	24.00	0.91	3188	21.76	19.80	0.91	3310
	90	68	33.61	30.59	0.91	2357	33.28	30.28	0.91	2378	32.92	29.95	0.91	2400	32.49	29.57	0.91	2419	32.17	29.28	0.91	2431	31.82	28.96	0.91	2511	31.38	28.56	0.91	2620	30.83	28.05	0.91	2796	30.11	27.40	0.91	2924	29.23	26.60	0.91	3032	27.18	24.74	0.91	3183	26.91	24.49	0.91	3215	22.20	20.20	0.91	3336
	90	72	34.28	27.77	0.81	2375	33.94	27.49	0.81	2396	33.57	27.20	0.81	2418	33.14	26.85	0.81	2437	32.82	26.58	0.81	2449	32.46	26.29	0.81	2529	32.01	25.93	0.81	2638	31.44	25.47	0.81	2813	30.71	24.87	0.81	2941	29.81	24.15	0.81	3050	27.73	22.46	0.81	3201	27.45	22.23	0.81	3233	22.65	18.34	0.81	3354
	90	75	34.52	23.82	0.69	2396	34.18	23.59	0.69	2417	33.81	23.33	0.69	2439	33.38	23.03	0.69	2458	33.05	22.80	0.69	2470	32.69	22.55	0.69	2550	32.24	22.24	0.69	2659	31.67	21.85	0.69	2835	30.92	21.34	0.69	2962	30.02	20.72	0.69	3071	27.92	19.27	0.69	3222	27.64	19.07	0.69	3254	22.80	15.74	0.69	3375
	90	79	35.01	19.95	0.57	2420	34.66	19.76	0.57	2442	34.28	19.54	0.57	2463	33.84	19.29	0.57	2482	33.51	19.10	0.57	2494	33.14	18.89	0.57	2574	32.69	18.63	0.57	2684	32.11	18.30	0.57	2859	31.36	17.87	0.57	2987	30.44	17.35	0.57	3095	28.31	16.14	0.57	3246	28.03	15.98	0.57	3278	23.12	13.18	0.57	3399

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	17.25	10.52	0.61	2986	15.35	9.36	0.61	3046	14.74	8.99	0.61	3076	14.00	8.54	0.61	3138
	70	68	17.96	8.80	0.49	3009	15.98	7.83	0.49	3069	15.35	7.52	0.49	3100	14.58	7.14	0.49	3162
	72	64	17.78	11.56	0.65	3016	15.83	10.29	0.65	3076	15.19	9.88	0.65	3107	14.43	9.38	0.65	3170
	72	68	18.33	9.71	0.53	3040	16.31	8.64	0.53	3100	15.66	8.30	0.53	3131	14.88	7.88	0.53	3193
	72	72	18.64	7.64	0.41	3056	16.59	6.80	0.41	3116	15.92	6.53	0.41	3147	15.13	6.20	0.41	3210
	73	64	18.15	12.52	0.69	3046	16.15	11.14	0.69	3108	15.50	10.70	0.69	3139	14.73	10.16	0.69	3202
	73	68	18.70	10.66	0.57	3070	16.64	9.49	0.57	3132	15.98	9.11	0.57	3163	15.18	8.65	0.57	3226
	73	72	19.02	8.56	0.45	3087	16.93	7.62	0.45	3148	16.25	7.31	0.45	3179	15.44	6.95	0.45	3242
	75	64	18.52	13.52	0.73	3077	16.48	12.03	0.73	3139	15.82	11.55	0.73	3170	15.03	10.97	0.73	3234
	75	68	19.08	11.64	0.61	3101	16.98	10.36	0.61	3163	16.30	9.95	0.61	3195	15.49	9.45	0.61	3258
	75	72	19.41	9.51	0.49	3118	17.27	8.46	0.49	3180	16.58	8.12	0.49	3211	15.75	7.72	0.49	3275
	75	75	19.68	7.28	0.37	3137	17.51	6.48	0.37	3199	16.81	6.22	0.37	3231	15.97	5.91	0.37	3294
	77	64	19.09	14.70	0.77	3108	16.99	13.08	0.77	3171	16.31	12.56	0.77	3202	15.49	11.93	0.77	3267
	77	68	19.67	12.79	0.65	3133	17.51	11.38	0.65	3195	16.81	10.93	0.65	3227	15.97	10.38	0.65	3291
	77	72	20.01	10.60	0.53	3149	17.81	9.44	0.53	3212	17.09	9.06	0.53	3244	16.24	8.61	0.53	3308
	77	75	20.29	8.32	0.41	3169	18.06	7.40	0.41	3231	17.33	7.11	0.41	3263	16.47	6.75	0.41	3327
	79	64	19.68	15.94	0.81	3140	17.51	14.19	0.81	3203	16.81	13.62	0.81	3235	15.97	12.94	0.81	3300
	79	68	20.28	13.99	0.69	3164	18.05	12.45	0.69	3227	17.33	11.96	0.69	3260	16.46	11.36	0.69	3324
	79	72	20.63	11.76	0.57	3181	18.36	10.46	0.57	3244	17.62	10.04	0.57	3276	16.74	9.54	0.57	3341
	79	75	20.91	9.41	0.45	3201	18.61	8.38	0.45	3264	17.87	8.04	0.45	3296	16.98	7.64	0.45	3361
	79	79	21.25	7.01	0.33	3224	18.91	6.24	0.33	3287	18.16	5.99	0.33	3319	17.25	5.69	0.33	3384
	81	64	20.08	17.07	0.85	3171	17.87	15.19	0.85	3235	17.16	14.58	0.85	3267	16.30	13.85	0.85	3333
	81	66	20.49	16.19	0.79	3181	18.24	14.41	0.79	3245	17.51	13.83	0.79	3277	16.63	13.14	0.79	3343
	81	68	20.70	15.11	0.73	3196	18.42	13.45	0.73	3260	17.68	12.91	0.73	3292	16.80	12.26	0.73	3358
	81	72	21.05	12.84	0.61	3213	18.73	11.43	0.61	3277	17.98	10.97	0.61	3309	17.08	10.42	0.61	3375
	81	75	21.34	10.46	0.49	3233	18.99	9.31	0.49	3297	18.23	8.93	0.49	3329	17.32	8.49	0.49	3395
	81	79	21.68	8.02	0.37	3256	19.30	7.14	0.37	3320	18.53	6.85	0.37	3352	17.60	6.51	0.37	3418
	82	64	20.28	18.05	0.89	3203	18.05	16.06	0.89	3267	17.33	15.42	0.89	3300	16.46	14.65	0.89	3366
	82	68	20.70	15.94	0.77	3228	18.42	14.18	0.77	3293	17.68	13.62	0.77	3325	16.80	12.93	0.77	3392
	82	72	20.90	13.59	0.65	3246	18.60	12.09	0.65	3310	17.86	11.61	0.65	3343	16.97	11.03	0.65	3409
	82	75	21.26	11.27	0.53	3266	18.92	10.03	0.53	3330	18.16	9.63	0.53	3363	17.25	9.14	0.53	3429
	82	79	21.55	8.84	0.41	3289	19.18	7.87	0.41	3353	18.42	7.55	0.41	3386	17.50	7.17	0.41	3452
	84	64	20.48	18.64	0.91	3235	18.23	16.59	0.91	3300	17.50	15.93	0.91	3333	16.63	15.13	0.91	3400
	84	68	20.90	16.93	0.81	3261	18.60	15.07	0.81	3326	17.86	14.47	0.81	3359	16.97	13.74	0.81	3426
	84	72	21.32	14.71	0.69	3278	18.97	13.09	0.69	3343	18.22	12.57	0.69	3376	17.31	11.94	0.69	3443
	84	75	21.47	12.24	0.57	3298	19.11	10.89	0.57	3363	18.34	10.46	0.57	3396	17.43	9.93	0.57	3463
	84	79	21.77	9.80	0.45	3322	19.38	8.72	0.45	3387	18.60	8.37	0.45	3420	17.67	7.95	0.45	3487
	86	64	20.69	18.83	0.91	3268	18.41	16.76	0.91	3333	17.68	16.09	0.91	3366	16.79	15.28	0.91	3434
	86	68	21.11	17.94	0.85	3293	18.79	15.97	0.85	3359	18.04	15.33	0.85	3392	17.14	14.57	0.85	3460
	86	72	21.53	15.72	0.73	3311	19.16	13.99	0.73	3376	18.40	13.43	0.73	3410	17.48	12.76	0.73	3477
	86	75	21.68	13.23	0.61	3331	19.30	11.77	0.61	3397	18.53	11.30	0.61	3430	17.60	10.74	0.61	3498
	86	79	21.99	10.77	0.49	3355	19.57	9.59	0.49	3421	18.79	9.21	0.49	3454	17.85	8.75	0.49	3522
	88	64	20.90	19.02	0.91	3300	18.60	16.92	0.91	3366	17.85	16.25	0.91	3400	16.96	15.43	0.91	3468
	88	68	21.32	18.98	0.89	3326	18.98	16.89	0.89	3392	18.22	16.21	0.89	3426	17.31	15.40	0.89	3494
	88	72	21.75	16.75	0.77	3344	19.36	14.90	0.77	3410	18.58	14.31	0.77	3444	17.65	13.59	0.77	3512
	88	75	21.90	14.24	0.65	3365	19.49	12.67	0.65	3431	18.71	12.16	0.65	3465	17.78	11.56	0.65	3533
	88	79	22.21	11.77	0.53	3389	19.77	10.48	0.53	3455	18.97	10.06	0.53	3489	18.03	9.55	0.53	3557
	90	64	21.10	19.21	0.91	3333	18.78	17.09	0.91	3400	18.03	16.41	0.91	3434	17.13	15.59	0.91	3503
	90	68	21.54	19.60	0.91	3359	19.17	17.44	0.91	3426	18.40	16.74	0.91	3460	17.48	15.91	0.91	3529
	90	72	21.97	17.79	0.81	3377	19.55	15.84	0.81	3444	18.77	15.20	0.81	3478	17.83	14.44	0.81	3547
	90	75	22.12	15.26	0.69	3398	19.69	13.58	0.69	3465	18.90	13.04	0.69	3499	17.95	12.39	0.69	3568
	90	79	22.43	12.79	0.57	3423	19.96	11.38	0.57	3489	19.16	10.92	0.57	3523	18.21	10.38	0.57	3592

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																		
			OUTDOOR DB (°F)																																																		
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	26.14	15.94	0.61	2037	25.88	15.79	0.61	2055	25.60	15.61	0.61	2074	25.27	15.41	0.61	2091	25.02	15.26	0.61	2102	24.75	15.10	0.61	2171	24.40	14.89	0.61	2267	23.97	14.62	0.61	2420	23.41	14.28	0.61	2532	22.73	13.86	0.61	2627	21.14	12.89	0.61	2759	20.93	12.77	0.61	2786	17.26	10.53	0.61	2892
	70	68	27.22	13.34	0.49	2060	26.95	13.20	0.49	2079	26.65	13.06	0.49	2098	26.31	12.89	0.49	2115	26.05	12.76	0.49	2125	25.77	12.63	0.49	2195	25.41	12.45	0.49	2290	24.96	12.23	0.49	2444	24.38	11.94	0.49	2555	23.67	11.60	0.49	2650	22.01	10.78	0.49	2782	21.79	10.68	0.49	2810	17.98	8.81	0.49	2916
	72	64	26.95	17.51	0.65	2057	26.68	17.34	0.65	2076	26.39	17.15	0.65	2095	26.05	16.93	0.65	2112	25.79	16.76	0.65	2123	25.51	16.58	0.65	2193	25.16	16.35	0.65	2290	24.71	16.06	0.65	2444	24.14	15.69	0.65	2557	23.43	15.23	0.65	2653	21.79	14.16	0.65	2786	21.57	14.02	0.65	2814	17.80	11.57	0.65	2922
	72	68	27.77	14.72	0.53	2081	27.50	14.57	0.53	2100	27.20	14.41	0.53	2119	26.85	14.23	0.53	2136	26.58	14.09	0.53	2147	26.29	13.93	0.53	2217	25.93	13.74	0.53	2314	25.47	13.50	0.53	2468	24.87	13.18	0.53	2581	24.15	12.80	0.53	2677	22.46	11.90	0.53	2810	22.23	11.78	0.53	2838	18.34	9.72	0.53	2945
	72	72	28.24	11.58	0.41	2097	27.96	11.46	0.41	2116	27.66	11.34	0.41	2135	27.30	11.19	0.41	2152	27.03	11.08	0.41	2163	26.74	10.96	0.41	2233	26.37	10.81	0.41	2330	25.90	10.62	0.41	2484	25.30	10.37	0.41	2597	24.56	10.07	0.41	2693	22.84	9.36	0.41	2826	22.61	9.27	0.41	2854	18.66	7.65	0.41	2962
	73	64	27.50	18.97	0.69	2078	27.22	18.78	0.69	2097	26.93	18.58	0.69	2116	26.58	18.34	0.69	2133	26.32	18.16	0.69	2144	26.03	17.96	0.69	2215	25.67	17.71	0.69	2313	25.22	17.40	0.69	2469	24.63	16.99	0.69	2583	23.91	16.50	0.69	2680	22.24	15.34	0.69	2815	22.01	15.19	0.69	2843	18.16	12.53	0.69	2951
	73	68	28.34	16.15	0.57	2102	28.06	15.99	0.57	2121	27.75	15.82	0.57	2140	27.40	15.62	0.57	2157	27.12	15.46	0.57	2168	26.83	15.29	0.57	2239	26.46	15.08	0.57	2337	25.99	14.81	0.57	2493	25.38	14.47	0.57	2607	24.64	14.05	0.57	2704	22.92	13.06	0.57	2839	22.69	12.93	0.57	2867	18.72	10.67	0.57	2975
	73	72	28.82	12.97	0.45	2119	28.53	12.84	0.45	2138	28.22	12.70	0.45	2157	27.86	12.54	0.45	2174	27.59	12.41	0.45	2185	27.29	12.28	0.45	2256	26.91	12.11	0.45	2353	26.43	11.89	0.45	2509	25.81	11.62	0.45	2624	25.06	11.28	0.45	2720	23.31	10.49	0.45	2855	23.07	10.38	0.45	2883	19.04	8.57	0.45	2992
	75	64	28.06	20.48	0.73	2099	27.78	20.28	0.73	2118	27.48	20.06	0.73	2138	27.12	19.80	0.73	2155	26.86	19.60	0.73	2166	26.56	19.39	0.73	2238	26.20	19.12	0.73	2336	25.73	18.79	0.73	2494	25.13	18.35	0.73	2609	24.40	17.81	0.73	2707	22.69	16.56	0.73	2843	22.46	16.40	0.73	2872	18.53	13.53	0.73	2981
	75	68	28.92	17.64	0.61	2123	28.63	17.46	0.61	2143	28.32	17.27	0.61	2162	27.95	17.05	0.61	2179	27.68	16.88	0.61	2190	27.38	16.70	0.61	2262	27.00	16.47	0.61	2361	26.52	16.18	0.61	2518	25.90	15.80	0.61	2634	25.15	15.34	0.61	2731	23.39	14.26	0.61	2867	23.15	14.12	0.61	2896	19.10	11.65	0.61	3005
	75	72	29.41	14.41	0.49	2140	29.12	14.27	0.49	2159	28.80	14.11	0.49	2178	28.43	13.93	0.49	2196	28.15	13.79	0.49	2207	27.84	13.64	0.49	2279	27.46	13.45	0.49	2377	26.97	13.22	0.49	2535	26.34	12.91	0.49	2650	25.57	12.53	0.49	2748	23.78	11.65	0.49	2884	23.54	11.54	0.49	2912	19.42	9.52	0.49	3022
	75	75	29.82	11.03	0.37	2159	29.52	10.92	0.37	2179	29.20	10.80	0.37	2198	28.83	10.67	0.37	2215	28.54	10.56	0.37	2226	28.23	10.45	0.37	2298	27.84	10.30	0.37	2397	27.35	10.12	0.37	2554	26.71	9.88	0.37	2669	25.93	9.59	0.37	2767	24.12	8.92	0.37	2903	23.87	8.83	0.37	2932	19.70	7.29	0.37	3041
	77	64	28.92	22.27	0.77	2120	28.64	22.05	0.77	2140	28.33	21.81	0.77	2159	27.96	21.53	0.77	2177	27.69	21.32	0.77	2188	27.38	21.09	0.77	2260	27.01	20.80	0.77	2360	26.53	20.43	0.77	2519	25.91	19.95	0.77	2636	25.15	19.37	0.77	2734	23.39	18.01	0.77	2872	23.16	17.83	0.77	2901	19.11	14.71	0.77	3011
	77	68	29.81	19.38	0.65	2145	29.51	19.18	0.65	2164	29.19	18.98	0.65	2184	28.82	18.73	0.65	2201	28.53	18.55	0.65	2212	28.22	18.35	0.65	2285	27.83	18.09	0.65	2384	27.34	17.77	0.65	2544	26.70	17.36	0.65	2660	25.92	16.85	0.65	2759	24.11	15.67	0.65	2896	23.87	15.51	0.65	2925	19.69	12.80	0.65	3036
	77	72	30.32	16.07	0.53	2162	30.02	15.91	0.53	2181	29.69	15.74	0.53	2200	29.31	15.53	0.53	2218	29.02	15.38	0.53	2229	28.70	15.21	0.53	2302	28.31	15.00	0.53	2401	27.81	14.74	0.53	2560	27.15	14.39	0.53	2677	26.36	13.97	0.53	2776	24.52	12.99	0.53	2913	24.27	12.86	0.53	2942	20.03	10.61	0.53	3052
	77	75	30.74	12.60	0.41	2181	30.44	12.48	0.41	2201	30.11	12.34	0.41	2220	29.72	12.18	0.41	2238	29.42	12.06	0.41	2249	29.10	11.93	0.41	2321	28.70	11.77	0.41	2421	28.20	11.56	0.41	2580	27.53	11.29	0.41	2696	26.73	10.96	0.41	2795	24.86	10.19	0.41	2932	24.61	10.09	0.41	2961	20.31	8.33	0.41	3072
	79	64	29.82	24.15	0.81	2142	29.52	23.91	0.81	2161	29.20	23.65	0.81	2181	28.83	23.35	0.81	2199	28.54	23.12	0.81	2210	28.23	22.87	0.81	2283	27.84	22.55	0.81	2384	27.35	22.15	0.81	2545	26.71	21.63	0.81	2662	25.93	21.00	0.81	2762	24.12	19.53	0.81	2901	23.87	19.34	0.81	2930	19.70	15.95	0.81	3042
	79	68	30.73	21.20	0.69	2167	30.43	21.00	0.69	2186	30.10	20.77	0.69	2206	29.71	20.50	0.69	2224	29.42	20.30	0.69	2235	29.10	20.08	0.69	2308	28.69	19.80	0.69	2409	28.19	19.45	0.69	2569	27.53	18.99	0.69	2687	26.72	18.44	0.69	2787	24.85	17.15	0.69	2925	24.61	16.98	0.69	2955	20.30	14.01	0.69	3066
	79	72	31.25	17.81	0.57	2183	30.94	17.64	0.57	2203	30.61	17.45	0.57	2223	30.22	17.22	0.57	2240	29.92	17.05	0.57	2251	29.59	16.87	0.57	2325	29.18	16.63	0.57	2425	28.67	16.34	0.57	2586	27.99	15.96	0.57	2704	27.18	15.49	0.57	2804	25.28	14.41	0.57	2942	25.02	14.26	0.57	2971	20.64	11.77	0.57	3083
	79	75	31.69	14.26	0.45	2203	31.38	14.12	0.45	2223	31.04	13.97	0.45	2242	30.64	13.79	0.45	2260	30.34	13.65	0.45	2271	30.00	13.50	0.45	2345	29.59	13.32	0.45	2445	29.07	13.08	0.45	2606	28.39	12.77	0.45	2724	27.56	12.40	0.45	2823	25.63	11.53	0.45	2962	25.37	11.42	0.45	2991	20.93	9.42	0.45	3103
	79	79	32.20	10.63	0.33	2226	31.88	10.52	0.33	2246	31.53	10.41	0.33	2265	31.13	10.27	0.33	2283	30.82	10.17	0.33	2294	30.49	10.06	0.33	2367	30.06	9.92	0.33	2468	29.53	9.75	0.33	2629	28.84	9.52	0.33	2746	28.00	9.24	0.33	2846	26.04	8.59	0.33	2985	25.78	8.51	0.33	3014	21.27	7.02	0.33	3126
	81	64	30.43	25.86	0.85	2163	30.13	25.61	0.85	2183	29.80	25.33	0.85	2203	29.42	25.00	0.85	2221	29.12	24.76	0.85	2232	28.81	24.49	0.85	2306	28.41	24.15	0.85	2408	27.91	23.72	0.85	2570	27.25	23.17	0.85	2689	26.46	22.49	0.85	2790	24.61	20.92	0.85	2930	24.36	20.71	0.85	2959	20.10	17.08	0.85	3072
	81	66	31.05	24.53	0.79	2173	30.74	24.29	0.79	2193	30.41	24.02	0.79	2213	30.02	23.71	0.79	2231	29.72	23.48	0.79	2242	29.40	23.22	0.79	2316	28.99	22.90	0.79	2418	28.48	22.50	0.79	2580	27.81	21.97	0.79	2699	27.00	21.33	0.79	2800	25.11	19.84	0.79	2940	24.86	19.64	0.79	2969	20.51	16.20	0.79	3082
	81	68	31.36	22.89	0.73	2188	31.05	22.67	0.73	2208	30.71	22.42	0.73	2228	30.32	22.13	0.73	2246	30.02	21.91	0.73	2257	29.69	21.67	0.73	2331	29.28	21.37	0.73	2433	28.76	21.00	0.73	2595	28.09	20.50	0.73	2714	27.27	19.91	0.73	2815	25.36	18.51	0.73	2955	25.11	18.33	0.73	2984	20.71	15.12	0.73	3097
	81	72	31.89	19.45	0.61	2205	31.58	19.26	0.61	2225	31.23	19.05	0.61	2245	30.83	18.81	0.61	2263	30.53	18.62	0.61	2274	30.19	18.42	0.61	2348	29.78	18.16	0.61	2450	29.25	17.84	0.61	2612	28.57	17.43	0.61	2731	27.73	16.92	0.61	2832	25.79	15.73	0.61	2972	25.53	15.58	0.61	3001	21.07	12.85	0.61	3114
	81	75	32.34	15.85	0.49	2225	32.02	15.69	0.49	2245	31.67	15.52	0.49	2265	31.26	15.32	0.49	2283	30.95	15.17	0.49	2294	30.62	15.00	0.49	2368	30.19	14.80	0.49	2470	29.66	14.53	0.49	2632	28.97	14.19	0.49	2751	28.12	13.78	0.49	2852	26.15	12.82	0.49	2992	25.89	12.69	0.49	3021	21.36	10.47	0.49	3134
	81	79	32.86	12.16	0.37	2248	32.53	12.04	0.37	2268	32.18	11.91	0.37	2288	31.76	11.75	0.37	2306	31.45	11.64	0.37	2317	31.11	11.51	0.37	2391	30.68	11.35	0.37	2493	30.14	11.15	0.37	2655	29.43	10.89	0.37	2774	28.57	10.57	0.37	2875	26.57	9.83	0.37	3015	26.31	9.73	0.37	3044	21.70	8.03	0.37	3157
	82	64	30.73	27.35	0.89	2185	30.43	27.08	0.89	2205	30.10	26.79	0.89	2225	29.71	26.44	0.89	2243	29.42	26.18	0.89	2255	29.10	25.90	0.89	2329	28.69	25.54	0.89	2432	28.19	25.09	0.89	2596	27.53	24.50	0.89	2716	26.72	23.78	0.89	2818	24.85	22.12	0.89	2959	24.61	21.90	0.89	2989	20.30	18.07	0.89	3103
	82	68	31.36	24.15	0.77	2210	31.05	23.91	0.77	2230	30.71	23.65	0.77	2250	30.32	23.34	0.77	2268	30.02	23.11	0.77	2280	29.69	22.86	0.77	2355	29.28	22.55	0.77	2457	28.76	22.15	0.77	2621	28.09	21.63	0.77	2741	27.27	21.00	0.77	2843	25.36	19.53	0.77	2985	25.11	19.33	0.77	3014	20.71	15.95	0.77	3128
	82	72	31.67	20.59	0.65	2228	31.36	20.38	0.65	2247	31.02	20.16	0.65	2268	30.62	19.90	0.65	2286	30.32	19.71	0.65	2297	29.99	19.49	0.65	2372	29.57	19.22	0.65	2474	29.05	18.88	0.65	2639	28.37	18.44	0.65	2759	27.54	17.90	0.65	2860	25.61	16.65	0.65	3002	25.36	16.48	0.65	3031	20.92	13.60	0.65	3145
	82	75	32.21	17.07	0.53	2248	31.89	16.90	0.53	2268	31.55	16.72	0.53	2288	31.14	16.50	0.53	2306	30.83	16.34	0.53	2317	30.50	16.16	0.53	2392	30.08	15.94	0.53	2495	29.54	15.66	0.53	2659	28.85	15.29	0.53	2779	28.01	14.85	0.53	2881	26.05	13.81	0.53	3022	25.79	13.67	0.53	3052	21.28	11.28	0.53	3166
	82	79	32.66	13.39	0.41	2271	32.34	13.26	0.41	2291	31.99	13.11	0.41	2311	31.58	12.95	0.41	2329	31.26	12.82	0.41	2340	30.92	12.68	0.41	2415	30.50	12.50	0.41	2518	29.96	12.28	0.41	2682	29.26	11.99	0.41	2802	28.40	11.65	0.41	2904	26.41	10.83	0.41	3045	26.15	10.72	0.41	3075	21.57	8.85	0.41	3189
	84	64	31.04	28.25	0.91	2207	30.73	27.97	0.91	2227	30.40	27.66	0.91	2247	30.01	27.31	0.91	2266	29.71	27.04	0.91	2277	29.39	26.74	0.91	2353	28.98	26.37	0.91	2456	28.47	25.91	0.91	2622	27.80	25.30	0.91	2743	26.99	24.56	0.91	2846	25.10	22.84	0.91	2989	24.85	22.61	0.91	3019	20.50	18.66	0.91	3134
	84	68	31.67	25.65	0.81	2232	31.36	25.40	0.81	2253	31.02	25.12	0.81	2273	30.62	24.80	0.81	2291	30.32	24.56	0.81	2303	29.99	24.29	0.81	2378	29.57	23.95	0.81	2482	29.05	23.53	0.81	2648	28.37	22.98	0.81	2769	27.54	22.31	0.81	2872	25.61	20.75	0.81	3014	25.36	20.54	0.81	3044	20.92	16.95	0.81	3159
	84	72	32.31	22.29	0.69	2250	31.99	22.07	0.69	2270	31.64	21.83	0.69	2290	31.23	21.55	0.69	2308	30.92	21.34	0.69	2320	30.59	21.10	0.69	2396	30.16	20.81	0.69	2499	29.63	20.45	0.69	2665	28.94	19.97	0.69	2786	28.09	19.38	0.69	2889	26.13	18.03	0.69	3032	25.87	17.85	0.69	3062	21.34	14.72	0.69	3177
	84	75	32.53	18.54	0.57	2270	32.21	18.36	0.57	2290	31.86	18.16	0.57	2311	31.45	17.93	0.57	2329	31.14	17.75	0.57	2340	30.80	17.56	0.57	2416	30.38	17.31	0.57	2520	29.84	17.01	0.57	2685	29.14	16.61	0.57	2806	28.29	16.13	0.57	2909	26.31	15.00	0.57	3052	26.05	14.85	0.57	3082	21.49	12.25	0.57	3197
	84	79	32.99	14.84	0.45	2294	32.66	14.70	0.45	2314	32.31	14.54	0.45	2334	31.89	14.35	0.45	2352	31.58	14.21	0.45	2364	31.23	14.05	0.45	2439	30.80	13.86	0.45	2543	30.26	13.62	0.45	2709	29.55	13.30	0.45	2830	28.69	12.91	0.45	2933	26.68	12.01	0.45	3076	26.41	11.89	0.45	3106	21.79	9.81	0.45	3221
	86	64	31.35	28.53	0.91	2229	31.04	28.25	0.91	2249	30.70	27.94	0.91	2270	30.31	27.58	0.91	2288	30.01	27.31	0.91	2300	29.68	27.01	0.91	2376	29.27	26.64	0.91	2481	28.75	26.17	0.91	2648	28.08	25.55	0.91	2771	27.26	24.81	0.91	2875	25.35	23.07	0.91	3019	25.10	22.84	0.91	3049	20.71	18.84	0.91	3165
	86	68	31.99	27.19	0.85	2255	31.67	26.92	0.85	2275	31.33	26.63	0.85	2296	30.93	26.29	0.85	2314	30.62	26.03	0.85	2326	30.29	25.74	0.85	2402	29.87	25.39	0.85	2507	29.34	24.94	0.85	2674	28.65	24.35	0.85	2796	27.82	23.65	0.85	2900	25.87	21.99	0.85	3045	25.61	21.77	0.85	3075	21.13	17.96	0.85	3191
	86	72	32.63	23.82	0.73	2272	32.31	23.58	0.73	2293	31.95	23.33	0.73	2313	31.54	23.03	0.73	2332	31.23	22.80	0.73	2343	30.89	22.55	0.73	2419	30.47	22.24	0.73	2524	29.93	21.85	0.73	2692	29.23	21.33	0.73	2814	28.37	20.71	0.73	2918	26.39	19.26	0.73	3062	26.12	19.07	0.73	3092	21.55	15.73	0.73	3209
	86	75	32.86	20.04	0.61	2293	32.53	19.85	0.61	2313	32.18	19.63	0.61	2334	31.77	19.38	0.61	2352	31.45	19.19	0.61	2364	31.11	18.98	0.61	2440	30.68	18.71	0.61	2545	30.14	18.38	0.61	2712	29.43	17.95	0.61	2835	28.57	17.43	0.61	2938	26.57	16.21	0.61	3083	26.31	16.05	0.61	3113	21.70	13.24	0.61	3229
	86	79	33.32	16.33	0.49	2317	32.99	16.16	0.49	2337	32.63	15.99	0.49	2357	32.21	15.78	0.49	2376	31.89	15.63	0.49	2387	31.55	15.46	0.49	2464	31.11	15.24	0.49	2568	30.56	14.97	0.49	2736	29.84	14.62	0.49	2858	28.97	14.20	0.49	2962	26.95	13.20	0.49	3106	26.68	13.07	0.49	3137	22.01	10.78	0.49	3253
	88	64	31.66	28.81	0.91	2251	31.35	28.53	0.91	2272	31.01	28.22	0.91	2293	30.61	27.86	0.91	2311	30.31	27.58	0.91	2323	29.98	27.28	0.91	2400	29.56	26.90	0.91	2506	29.04	26.43	0.91	2675	28.36	25.81	0.91	2798	27.53	25.06	0.91	2903	25.61	23.30	0.91	3049	25.35	23.07	0.91	3080	20.91	19.03	0.91	3197
	88	68	32.31	28.76	0.89	2277	31.99	28.47	0.89	2298	31.64	28.16	0.89	2319	31.24	27.80	0.89	2337	30.93	27.52	0.89	2349	30.59	27.22	0.89	2426	30.17	26.85	0.89	2532	29.63	26.37	0.89	2701	28.94	25.76	0.89	2824	28.10	25.01	0.89	2929	26.13	23.26	0.89	3075	25.87	23.02	0.89	3106	21.34	18.99	0.89	3223
	88	72	32.96	25.38	0.77	2295	32.63	25.12	0.77	2316	32.27	24.85	0.77	2336	31.86	24.53	0.77	2355	31.54	24.29	0.77	2367	31.20	24.02	0.77	2444	30.77	23.69	0.77	2549	30.23	23.27	0.77	2719	29.52	22.73	0.77	2842	28.66	22.07	0.77	2947	26.65	20.52	0.77	3093	26.39	20.32	0.77	3123	21.77	16.76	0.77	3241
	88	75	33.19	21.57	0.65	2316	32.86	21.36	0.65	2336	32.50	21.13	0.65	2357	32.08	20.85	0.65	2376	31.77	20.65	0.65	2387	31.42	20.42	0.65	2464	30.99	20.14	0.65	2570	30.44	19.79	0.65	2739	29.73	19.32	0.65	2863	28.86	18.76	0.65	2968	26.84	17.45	0.65	3113	26.57	17.27	0.65	3144	21.92	14.25	0.65	3261
	88	79	33.65	17.84	0.53	2340	33.32	17.66	0.53	2360	32.96	17.47	0.53	2381	32.53	17.24	0.53	2400	32.21	17.07	0.53	2411	31.86	16.89	0.53	2488	31.42	16.65	0.53	2594	30.87	16.36	0.53	2763	30.14	15.98	0.53	2887	29.26	15.51	0.53	2992	27.22	14.42	0.53	3137	26.94	14.28	0.53	3168	22.23	11.78	0.53	3285
	90	64	31.98	29.10	0.91	2274	31.66	28.81	0.91	2295	31.32	28.50	0.91	2316	30.92	28.13	0.91	2334	30.61	27.86	0.91	2346	30.28	27.55	0.91	2424	29.86	27.17	0.91	2531	29.33	26.69	0.91	2702	28.64	26.07	0.91	2826	27.81	25.31	0.91	2932	25.86	23.54	0.91	3079	25.60	23.30	0.91	3110	21.12	19.22	0.91	3229
	90	68	32.63	29.70	0.91	2300	32.31	29.40	0.91	2321	31.96	29.08	0.91	2342	31.55	28.71	0.91	2361	31.24	28.42	0.91	2372	30.90	28.11	0.91	2450	30.47	27.73	0.91	2557	29.93	27.24	0.91	2728	29.23	26.60	0.91	2853	28.38	25.82	0.91	2959	26.39	24.02	0.91	3106	26.13	23.78	0.91	3137	21.55	19.61	0.91	3255
	90	72	33.28	26.96	0.81	2318	32.96	26.69	0.81	2339	32.60	26.40	0.81	2360	32.18	26.06	0.81	2378	31.86	25.81	0.81	2390	31.51	25.53	0.81	2468	31.08	25.17	0.81	2575	30.53	24.73	0.81	2746	29.81	24.15	0.81	2871	28.94	23.45	0.81	2976	26.92	21.80	0.81	3124	26.65	21.59	0.81	3155	21.99	17.81	0.81	3273
	90	75	33.52	23.13	0.69	2339	33.19	22.90	0.69	2360	32.83	22.65	0.69	2381	32.40	22.36	0.69	2399	32.08	22.14	0.69	2411	31.73	21.90	0.69	2489	31.30	21.59	0.69	2596	30.74	21.21	0.69	2767	30.02	20.72	0.69	2892	29.15	20.11	0.69	2997	27.11	18.70	0.69	3145	26.84	18.52	0.69	3176	22.14	15.28	0.69	3294
	90	79	33.99	19.37	0.57	2363	33.65	19.18	0.57	2384	33.29	18.97	0.57	2405	32.86	18.73	0.57	2424	32.53	18.54	0.57	2435	32.18	18.34	0.57	2513	31.73	18.09	0.57	2620	31.17	17.77	0.57	2791	30.44	17.35	0.57	2916	29.56	16.85	0.57	3022	27.49	15.67	0.57	3169	27.21	15.51	0.57	3200	22.45	12.80	0.57	3318

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	16.75	10.22	0.61	2913	14.90	9.09	0.61	2971	14.31	8.73	0.61	3001	13.59	8.29	0.61	3061
	70	68	17.44	8.54	0.49	2936	15.52	7.60	0.49	2995	14.90	7.30	0.49	3025	14.15	6.94	0.49	3085
	72	64	17.26	11.22	0.65	2942	15.37	9.99	0.65	3001	14.75	9.59	0.65	3031	14.01	9.11	0.65	3092
	72	68	17.79	9.43	0.53	2966	15.84	8.39	0.53	3025	15.20	8.06	0.53	3055	14.44	7.65	0.53	3116
	72	72	18.10	7.42	0.41	2982	16.11	6.60	0.41	3041	15.46	6.34	0.41	3071	14.69	6.02	0.41	3132
	73	64	17.62	12.16	0.69	2972	15.68	10.82	0.69	3032	15.05	10.39	0.69	3062	14.30	9.87	0.69	3123
	73	68	18.16	10.35	0.57	2996	16.16	9.21	0.57	3056	15.51	8.84	0.57	3086	14.74	8.40	0.57	3147
	73	72	18.46	8.31	0.45	3012	16.43	7.40	0.45	3072	15.78	7.10	0.45	3102	14.99	6.74	0.45	3164
	75	64	17.98	13.12	0.73	3002	16.00	11.68	0.73	3062	15.36	11.21	0.73	3093	14.59	10.65	0.73	3155
	75	68	18.53	11.30	0.61	3026	16.49	10.06	0.61	3086	15.83	9.66	0.61	3117	15.04	9.17	0.61	3179
	75	72	18.84	9.23	0.49	3043	16.77	8.22	0.49	3103	16.10	7.89	0.49	3134	15.29	7.49	0.49	3196
	75	75	19.11	7.07	0.37	3062	17.00	6.29	0.37	3122	16.32	6.04	0.37	3153	15.51	5.74	0.37	3215
	77	64	18.53	14.27	0.77	3032	16.49	12.70	0.77	3093	15.83	12.19	0.77	3124	15.04	11.58	0.77	3187
	77	68	19.10	12.41	0.65	3057	17.00	11.05	0.65	3118	16.32	10.61	0.65	3149	15.50	10.08	0.65	3211
	77	72	19.42	10.29	0.53	3073	17.29	9.16	0.53	3134	16.60	8.80	0.53	3165	15.77	8.36	0.53	3228
	77	75	19.70	8.08	0.41	3093	17.53	7.19	0.41	3154	16.83	6.90	0.41	3185	15.99	6.55	0.41	3248
	79	64	19.11	15.48	0.81	3063	17.00	13.77	0.81	3124	16.32	13.22	0.81	3156	15.51	12.56	0.81	3219
	79	68	19.69	13.59	0.69	3088	17.52	12.09	0.69	3149	16.82	11.61	0.69	3180	15.98	11.03	0.69	3244
	79	72	20.03	11.41	0.57	3104	17.82	10.16	0.57	3166	17.11	9.75	0.57	3197	16.25	9.26	0.57	3261
	79	75	20.31	9.14	0.45	3124	18.07	8.13	0.45	3186	17.35	7.81	0.45	3217	16.48	7.42	0.45	3280
	79	79	20.63	6.81	0.33	3147	18.36	6.06	0.33	3208	17.63	5.82	0.33	3240	16.75	5.53	0.33	3303
	81	64	19.50	16.57	0.85	3094	17.35	14.75	0.85	3156	16.66	14.16	0.85	3188	15.82	13.45	0.85	3251
	81	66	19.89	15.72	0.79	3104	17.71	13.99	0.79	3166	17.00	13.43	0.79	3198	16.15	12.76	0.79	3261
	81	68	20.09	14.67	0.73	3119	17.88	13.05	0.73	3181	17.17	12.53	0.73	3213	16.31	11.91	0.73	3276
	81	72	20.43	12.46	0.61	3136	18.19	11.09	0.61	3198	17.46	10.65	0.61	3230	16.59	10.12	0.61	3293
	81	75	20.72	10.15	0.49	3156	18.44	9.04	0.49	3218	17.70	8.67	0.49	3250	16.82	8.24	0.49	3313
	81	79	21.05	7.79	0.37	3179	18.74	6.93	0.37	3241	17.99	6.65	0.37	3273	17.09	6.32	0.37	3336
	82	64	19.69	17.52	0.89	3125	17.52	15.60	0.89	3187	16.82	14.97	0.89	3219	15.98	14.22	0.89	3284
	82	68	20.09	15.47	0.77	3150	17.88	13.77	0.77	3213	17.17	13.22	0.77	3245	16.31	12.56	0.77	3309
	82	72	20.29	13.19	0.65	3167	18.06	11.74	0.65	3230	17.34	11.27	0.65	3262	16.47	10.71	0.65	3326
	82	75	20.64	10.94	0.53	3187	18.37	9.74	0.53	3250	17.63	9.35	0.53	3282	16.75	8.88	0.53	3347
	82	79	20.93	8.58	0.41	3211	18.63	7.64	0.41	3273	17.88	7.33	0.41	3305	16.99	6.96	0.41	3370
	84	64	19.89	18.10	0.91	3156	17.70	16.11	0.91	3219	16.99	15.46	0.91	3252	16.14	14.69	0.91	3317
	84	68	20.29	16.44	0.81	3182	18.06	14.63	0.81	3245	17.34	14.04	0.81	3277	16.47	13.34	0.81	3342
	84	72	20.70	14.28	0.69	3199	18.42	12.71	0.69	3262	17.69	12.20	0.69	3294	16.80	11.59	0.69	3360
	84	75	20.84	11.88	0.57	3219	18.55	10.57	0.57	3283	17.81	10.15	0.57	3315	16.92	9.64	0.57	3380
	84	79	21.14	9.51	0.45	3243	18.81	8.47	0.45	3306	18.06	8.13	0.45	3338	17.16	7.72	0.45	3404
	86	64	20.09	18.28	0.91	3188	17.88	16.27	0.91	3252	17.16	15.62	0.91	3284	16.30	14.84	0.91	3350
	86	68	20.50	17.42	0.85	3213	18.24	15.51	0.85	3277	17.51	14.89	0.85	3310	16.64	14.14	0.85	3376
	86	72	20.91	15.26	0.73	3231	18.61	13.58	0.73	3295	17.86	13.04	0.73	3327	16.97	12.39	0.73	3393
	86	75	21.05	12.84	0.61	3251	18.74	11.43	0.61	3315	17.99	10.97	0.61	3348	17.09	10.42	0.61	3414
	86	79	21.35	10.46	0.49	3275	19.00	9.31	0.49	3339	18.24	8.94	0.49	3372	17.33	8.49	0.49	3438
	88	64	20.29	18.46	0.91	3219	18.06	16.43	0.91	3284	17.33	15.77	0.91	3317	16.47	14.98	0.91	3384
	88	68	20.70	18.42	0.89	3245	18.42	16.40	0.89	3310	17.69	15.74	0.89	3343	16.80	14.95	0.89	3410
	88	72	21.12	16.26	0.77	3263	18.79	14.47	0.77	3328	18.04	13.89	0.77	3361	17.14	13.20	0.77	3427
	88	75	21.26	13.82	0.65	3284	18.92	12.30	0.65	3349	18.17	11.81	0.65	3381	17.26	11.22	0.65	3448
	88	79	21.56	11.43	0.53	3308	19.19	10.17	0.53	3372	18.42	9.76	0.53	3405	17.50	9.28	0.53	3472
	90	64	20.49	18.65	0.91	3252	18.24	16.59	0.91	3317	17.51	15.93	0.91	3350	16.63	15.13	0.91	3417
	90	68	20.91	19.03	0.91	3278	18.61	16.93	0.91	3343	17.86	16.26	0.91	3376	16.97	15.44	0.91	3444
	90	72	21.33	17.27	0.81	3296	18.98	15.37	0.81	3361	18.22	14.76	0.81	3394	17.31	14.02	0.81	3462
	90	75	21.48	14.82	0.69	3317	19.11	13.19	0.69	3382	18.35	12.66	0.69	3415	17.43	12.03	0.69	3483
	90	79	21.78	12.41	0.57	3341	19.38	11.05	0.57	3406	18.61	10.61	0.57	3439	17.68	10.08	0.57	3507

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																		
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	25.61	15.62	0.61	2016	25.36	15.47	0.61	2035	25.09	15.30	0.61	2053	24.76	15.11	0.61	2070	24.52	14.96	0.61	2080	24.25	14.79	0.61	2150	23.92	14.59	0.61	2244	23.49	14.33	0.61	2396	22.94	14.00	0.61	2506	22.27	13.59	0.61	2600	20.72	12.64	0.61	2731	20.51	12.51	0.61	2758	16.92	10.32	0.61	2863
	70	68	26.67	13.07	0.49	2040	26.41	12.94	0.49	2058	26.12	12.80	0.49	2077	25.78	12.63	0.49	2094	25.53	12.51	0.49	2104	25.25	12.37	0.49	2173	24.90	12.20	0.49	2268	24.46	11.99	0.49	2419	23.89	11.71	0.49	2530	23.19	11.36	0.49	2624	21.57	10.57	0.49	2754	21.35	10.46	0.49	2782	17.62	8.63	0.49	2887
	72	64	26.41	17.16	0.65	2037	26.15	16.99	0.65	2055	25.86	16.81	0.65	2074	25.53	16.59	0.65	2091	25.28	16.43	0.65	2101	25.00	16.25	0.65	2171	24.66	16.03	0.65	2267	24.22	15.74	0.65	2420	23.65	15.37	0.65	2532	22.96	14.93	0.65	2627	21.36	13.88	0.65	2758	21.14	13.74	0.65	2786	17.44	11.34	0.65	2892
	72	68	27.22	14.42	0.53	2061	26.95	14.28	0.53	2079	26.65	14.13	0.53	2098	26.31	13.94	0.53	2115	26.05	13.81	0.53	2125	25.77	13.66	0.53	2195	25.41	13.47	0.53	2291	24.96	13.23	0.53	2444	24.38	12.92	0.53	2556	23.67	12.54	0.53	2650	22.01	11.67	0.53	2782	21.79	11.55	0.53	2810	17.98	9.53	0.53	2916
	72	72	27.68	11.35	0.41	2077	27.40	11.24	0.41	2095	27.11	11.11	0.41	2114	26.76	10.97	0.41	2131	26.49	10.86	0.41	2141	26.20	10.74	0.41	2211	25.84	10.60	0.41	2307	25.39	10.41	0.41	2460	24.79	10.16	0.41	2572	24.07	9.87	0.41	2667	22.38	9.18	0.41	2798	22.16	9.09	0.41	2826	18.28	7.50	0.41	2932
	73	64	26.95	18.59	0.69	2057	26.68	18.41	0.69	2076	26.39	18.21	0.69	2095	26.05	17.97	0.69	2112	25.79	17.80	0.69	2123	25.51	17.60	0.69	2193	25.16	17.36	0.69	2290	24.71	17.05	0.69	2444	24.14	16.65	0.69	2557	23.43	16.17	0.69	2653	21.79	15.04	0.69	2786	21.57	14.89	0.69	2814	17.80	12.28	0.69	2922
	73	68	27.77	15.83	0.57	2081	27.50	15.67	0.57	2100	27.20	15.50	0.57	2119	26.85	15.30	0.57	2136	26.58	15.15	0.57	2147	26.29	14.99	0.57	2217	25.93	14.78	0.57	2314	25.47	14.52	0.57	2468	24.87	14.18	0.57	2581	24.15	13.77	0.57	2677	22.46	12.80	0.57	2810	22.23	12.67	0.57	2838	18.34	10.46	0.57	2946
	73	72	28.24	12.71	0.45	2098	27.96	12.58	0.45	2116	27.66	12.45	0.45	2135	27.30	12.29	0.45	2152	27.03	12.17	0.45	2163	26.74	12.03	0.45	2234	26.37	11.87	0.45	2330	25.90	11.66	0.45	2485	25.30	11.38	0.45	2598	24.56	11.05	0.45	2694	22.84	10.28	0.45	2827	22.61	10.18	0.45	2855	18.66	8.39	0.45	2962
	75	64	27.50	20.07	0.73	2078	27.22	19.87	0.73	2097	26.93	19.66	0.73	2116	26.58	19.40	0.73	2133	26.32	19.21	0.73	2144	26.03	19.00	0.73	2215	25.67	18.74	0.73	2313	25.22	18.41	0.73	2469	24.63	17.98	0.73	2583	23.91	17.45	0.73	2680	22.24	16.23	0.73	2814	22.01	16.07	0.73	2843	18.16	13.26	0.73	2951
	75	68	28.34	17.29	0.61	2102	28.06	17.11	0.61	2121	27.75	16.93	0.61	2140	27.40	16.71	0.61	2158	27.12	16.55	0.61	2168	26.83	16.37	0.61	2240	26.46	16.14	0.61	2337	25.99	15.85	0.61	2493	25.38	15.48	0.61	2607	24.64	15.03	0.61	2704	22.92	13.98	0.61	2839	22.69	13.84	0.61	2867	18.72	11.42	0.61	2975
	75	72	28.82	14.12	0.49	2119	28.53	13.98	0.49	2138	28.22	13.83	0.49	2157	27.86	13.65	0.49	2174	27.59	13.52	0.49	2185	27.29	13.37	0.49	2256	26.91	13.19	0.49	2354	26.43	12.95	0.49	2510	25.81	12.65	0.49	2624	25.06	12.28	0.49	2721	23.31	11.42	0.49	2855	23.07	11.31	0.49	2883	19.04	9.33	0.49	2992
	75	75	29.22	10.81	0.37	2138	28.93	10.71	0.37	2157	28.62	10.59	0.37	2176	28.25	10.45	0.37	2194	27.97	10.35	0.37	2204	27.67	10.24	0.37	2276	27.29	10.10	0.37	2373	26.80	9.92	0.37	2529	26.17	9.68	0.37	2643	25.41	9.40	0.37	2740	23.63	8.74	0.37	2875	23.40	8.66	0.37	2903	19.30	7.14	0.37	3011
	77	64	28.35	21.83	0.77	2099	28.07	21.61	0.77	2118	27.76	21.38	0.77	2138	27.40	21.10	0.77	2155	27.13	20.89	0.77	2166	26.84	20.66	0.77	2238	26.47	20.38	0.77	2336	26.00	20.02	0.77	2494	25.39	19.55	0.77	2609	24.65	18.98	0.77	2707	22.92	17.65	0.77	2843	22.70	17.48	0.77	2871	18.72	14.42	0.77	2981
	77	68	29.21	18.99	0.65	2124	28.92	18.80	0.65	2143	28.61	18.60	0.65	2162	28.24	18.36	0.65	2179	27.96	18.18	0.65	2190	27.66	17.98	0.65	2262	27.28	17.73	0.65	2361	26.79	17.42	0.65	2518	26.17	17.01	0.65	2634	25.40	16.51	0.65	2732	23.63	15.36	0.65	2867	23.39	15.20	0.65	2896	19.30	12.54	0.65	3005
	77	72	29.71	15.75	0.53	2140	29.42	15.59	0.53	2159	29.10	15.42	0.53	2179	28.72	15.22	0.53	2196	28.44	15.07	0.53	2207	28.13	14.91	0.53	2279	27.74	14.70	0.53	2377	27.25	14.44	0.53	2535	26.61	14.10	0.53	2650	25.84	13.69	0.53	2748	24.03	12.73	0.53	2884	23.79	12.61	0.53	2913	19.62	10.40	0.53	3022
	77	75	30.13	12.35	0.41	2160	29.83	12.23	0.41	2179	29.50	12.10	0.41	2198	29.12	11.94	0.41	2216	28.84	11.82	0.41	2227	28.52	11.69	0.41	2298	28.13	11.53	0.41	2397	27.63	11.33	0.41	2555	26.98	11.06	0.41	2670	26.20	10.74	0.41	2768	24.36	9.99	0.41	2904	24.12	9.89	0.41	2932	19.90	8.16	0.41	3042
	79	64	29.22	23.67	0.81	2120	28.93	23.44	0.81	2140	28.62	23.18	0.81	2159	28.25	22.88	0.81	2177	27.97	22.66	0.81	2188	27.67	22.41	0.81	2260	27.29	22.10	0.81	2360	26.80	21.71	0.81	2519	26.17	21.20	0.81	2636	25.41	20.58	0.81	2734	23.63	19.14	0.81	2872	23.40	18.95	0.81	2900	19.30	15.64	0.81	3011
	79	68	30.12	20.78	0.69	2145	29.82	20.58	0.69	2164	29.49	20.35	0.69	2184	29.12	20.09	0.69	2201	28.83	19.89	0.69	2212	28.51	19.67	0.69	2285	28.12	19.40	0.69	2385	27.62	19.06	0.69	2544	26.98	18.61	0.69	2660	26.19	18.07	0.69	2759	24.36	16.81	0.69	2896	24.11	16.64	0.69	2925	19.89	13.73	0.69	3036
	79	72	30.63	17.46	0.57	2162	30.33	17.29	0.57	2181	30.00	17.10	0.57	2201	29.61	16.88	0.57	2218	29.32	16.71	0.57	2229	29.00	16.53	0.57	2302	28.60	16.30	0.57	2401	28.09	16.01	0.57	2561	27.43	15.64	0.57	2677	26.64	15.18	0.57	2776	24.77	14.12	0.57	2913	24.52	13.98	0.57	2942	20.23	11.53	0.57	3053
	79	75	31.06	13.98	0.45	2182	30.75	13.84	0.45	2201	30.42	13.69	0.45	2221	30.03	13.51	0.45	2238	29.73	13.38	0.45	2249	29.40	13.23	0.45	2322	29.00	13.05	0.45	2421	28.49	12.82	0.45	2581	27.82	12.52	0.45	2697	27.01	12.15	0.45	2796	25.12	11.30	0.45	2933	24.87	11.19	0.45	2962	20.51	9.23	0.45	3072
	79	79	31.55	10.41	0.33	2204	31.24	10.31	0.33	2224	30.90	10.20	0.33	2243	30.51	10.07	0.33	2261	30.20	9.97	0.33	2272	29.88	9.86	0.33	2344	29.46	9.72	0.33	2444	28.94	9.55	0.33	2603	28.26	9.33	0.33	2720	27.44	9.06	0.33	2819	25.52	8.42	0.33	2956	25.26	8.34	0.33	2985	20.84	6.88	0.33	3095
	81	64	29.82	25.35	0.85	2142	29.52	25.10	0.85	2161	29.20	24.82	0.85	2181	28.83	24.50	0.85	2199	28.54	24.26	0.85	2210	28.23	24.00	0.85	2283	27.84	23.67	0.85	2384	27.35	23.25	0.85	2545	26.71	22.70	0.85	2662	25.93	22.04	0.85	2762	24.12	20.50	0.85	2901	23.87	20.29	0.85	2930	19.70	16.74	0.85	3041
	81	66	30.43	24.04	0.79	2152	30.13	23.80	0.79	2171	29.80	23.54	0.79	2191	29.42	23.24	0.79	2209	29.12	23.01	0.79	2220	28.81	22.76	0.79	2293	28.41	22.44	0.79	2394	27.91	22.05	0.79	2555	27.25	21.53	0.79	2672	26.46	20.90	0.79	2772	24.61	19.44	0.79	2911	24.36	19.25	0.79	2940	20.10	15.88	0.79	3051
	81	68	30.73	22.43	0.73	2167	30.43	22.21	0.73	2186	30.10	21.97	0.73	2206	29.71	21.69	0.73	2224	29.42	21.47	0.73	2235	29.10	21.24	0.73	2308	28.69	20.95	0.73	2409	28.19	20.58	0.73	2570	27.53	20.09	0.73	2687	26.72	19.51	0.73	2787	24.85	18.14	0.73	2926	24.61	17.96	0.73	2955	20.30	14.82	0.73	3066
	81	72	31.25	19.07	0.61	2184	30.94	18.88	0.61	2203	30.61	18.67	0.61	2223	30.22	18.43	0.61	2241	29.92	18.25	0.61	2252	29.59	18.05	0.61	2325	29.18	17.80	0.61	2426	28.67	17.49	0.61	2587	27.99	17.08	0.61	2704	27.18	16.58	0.61	2804	25.28	15.42	0.61	2943	25.02	15.26	0.61	2972	20.64	12.59	0.61	3083
	81	75	31.69	15.53	0.49	2204	31.38	15.38	0.49	2223	31.04	15.21	0.49	2243	30.64	15.01	0.49	2261	30.34	14.86	0.49	2272	30.00	14.70	0.49	2345	29.59	14.50	0.49	2446	29.07	14.24	0.49	2607	28.39	13.91	0.49	2724	27.56	13.50	0.49	2824	25.63	12.56	0.49	2963	25.37	12.43	0.49	2992	20.93	10.26	0.49	3103
	81	79	32.20	11.91	0.37	2227	31.88	11.80	0.37	2246	31.53	11.67	0.37	2266	31.13	11.52	0.37	2284	30.82	11.40	0.37	2295	30.49	11.28	0.37	2368	30.06	11.12	0.37	2469	29.53	10.93	0.37	2630	28.84	10.67	0.37	2747	28.00	10.36	0.37	2847	26.04	9.63	0.37	2986	25.78	9.54	0.37	3015	21.27	7.87	0.37	3126
	82	64	30.12	26.80	0.89	2163	29.82	26.54	0.89	2183	29.49	26.25	0.89	2203	29.12	25.91	0.89	2221	28.83	25.66	0.89	2232	28.51	25.38	0.89	2306	28.12	25.03	0.89	2408	27.62	24.58	0.89	2570	26.98	24.01	0.89	2689	26.19	23.31	0.89	2790	24.36	21.68	0.89	2930	24.11	21.46	0.89	2959	19.89	17.71	0.89	3072
	82	68	30.73	23.66	0.77	2188	30.43	23.43	0.77	2208	30.10	23.17	0.77	2228	29.71	22.88	0.77	2246	29.42	22.65	0.77	2257	29.10	22.40	0.77	2331	28.69	22.09	0.77	2433	28.19	21.70	0.77	2595	27.53	21.20	0.77	2714	26.72	20.58	0.77	2815	24.85	19.14	0.77	2955	24.61	18.95	0.77	2984	20.30	15.63	0.77	3097
	82	72	31.04	20.18	0.65	2206	30.73	19.98	0.65	2225	30.40	19.76	0.65	2245	30.01	19.50	0.65	2263	29.71	19.31	0.65	2274	29.39	19.10	0.65	2348	28.98	18.84	0.65	2450	28.47	18.50	0.65	2612	27.80	18.07	0.65	2731	26.99	17.54	0.65	2832	25.10	16.32	0.65	2972	24.85	16.15	0.65	3001	20.50	13.33	0.65	3114
	82	75	31.57	16.73	0.53	2226	31.25	16.56	0.53	2246	30.91	16.38	0.53	2265	30.52	16.17	0.53	2283	30.22	16.01	0.53	2294	29.89	15.84	0.53	2369	29.47	15.62	0.53	2470	28.95	15.34	0.53	2633	28.27	14.99	0.53	2751	27.45	14.55	0.53	2852	25.53	13.53	0.53	2992	25.27	13.40	0.53	3022	20.85	11.05	0.53	3134
	82	79	32.01	13.12	0.41	2249	31.69	12.99	0.41	2269	31.35	12.85	0.41	2289	30.94	12.69	0.41	2307	30.64	12.56	0.41	2318	30.31	12.43	0.41	2392	29.89	12.25	0.41	2493	29.36	12.04	0.41	2656	28.67	11.75	0.41	2775	27.84	11.41	0.41	2875	25.89	10.61	0.41	3015	25.63	10.51	0.41	3045	21.14	8.67	0.41	3158
	84	64	30.42	27.68	0.91	2185	30.12	27.41	0.91	2205	29.79	27.11	0.91	2225	29.41	26.76	0.91	2243	29.12	26.50	0.91	2254	28.80	26.21	0.91	2329	28.40	25.85	0.91	2432	27.90	25.39	0.91	2596	27.25	24.79	0.91	2716	26.45	24.07	0.91	2818	24.60	22.39	0.91	2959	24.35	22.16	0.91	2989	20.09	18.28	0.91	3103
	84	68	31.04	25.14	0.81	2210	30.73	24.89	0.81	2230	30.40	24.62	0.81	2250	30.01	24.31	0.81	2268	29.71	24.07	0.81	2280	29.39	23.80	0.81	2355	28.98	23.47	0.81	2457	28.47	23.06	0.81	2621	27.80	22.52	0.81	2741	26.99	21.86	0.81	2843	25.10	20.33	0.81	2984	24.85	20.13	0.81	3014	20.50	16.61	0.81	3128
	84	72	31.66	21.85	0.69	2228	31.35	21.63	0.69	2248	31.01	21.39	0.69	2268	30.61	21.12	0.69	2286	30.30	20.91	0.69	2297	29.97	20.68	0.69	2372	29.56	20.40	0.69	2474	29.04	20.04	0.69	2639	28.36	19.57	0.69	2759	27.53	19.00	0.69	2860	25.60	17.67	0.69	3002	25.35	17.49	0.69	3031	20.91	14.43	0.69	3145
	84	75	31.88	18.17	0.57	2248	31.57	17.99	0.57	2268	31.22	17.80	0.57	2288	30.82	17.57	0.57	2306	30.52	17.39	0.57	2317	30.19	17.21	0.57	2392	29.77	16.97	0.57	2495	29.24	16.67	0.57	2659	28.56	16.28	0.57	2779	27.73	15.80	0.57	2881	25.78	14.70	0.57	3022	25.53	14.55	0.57	3052	21.06	12.00	0.57	3166
	84	79	32.33	14.55	0.45	2272	32.01	14.40	0.45	2291	31.66	14.25	0.45	2312	31.25	14.06	0.45	2330	30.94	13.93	0.45	2341	30.61	13.77	0.45	2416	30.19	13.58	0.45	2518	29.65	13.34	0.45	2682	28.96	13.03	0.45	2802	28.11	12.65	0.45	2904	26.15	11.77	0.45	3046	25.88	11.65	0.45	3075	21.35	9.61	0.45	3189
	86	64	30.72	27.96	0.91	2207	30.42	27.68	0.91	2227	30.09	27.38	0.91	2247	29.70	27.03	0.91	2265	29.41	26.76	0.91	2277	29.09	26.47	0.91	2352	28.69	26.10	0.91	2456	28.18	25.64	0.91	2622	27.52	25.04	0.91	2743	26.72	24.31	0.91	2846	24.85	22.61	0.91	2988	24.60	22.38	0.91	3018	20.29	18.47	0.91	3134
	86	68	31.35	26.65	0.85	2232	31.04	26.38	0.85	2253	30.70	26.10	0.85	2273	30.31	25.76	0.85	2291	30.01	25.51	0.85	2302	29.68	25.23	0.85	2378	29.27	24.88	0.85	2482	28.75	24.44	0.85	2647	28.08	23.87	0.85	2769	27.26	23.17	0.85	2871	25.35	21.55	0.85	3014	25.10	21.33	0.85	3044	20.71	17.60	0.85	3159
	86	72	31.98	23.34	0.73	2250	31.66	23.11	0.73	2270	31.32	22.86	0.73	2290	30.91	22.57	0.73	2309	30.61	22.34	0.73	2320	30.27	22.10	0.73	2396	29.86	21.80	0.73	2499	29.33	21.41	0.73	2665	28.64	20.91	0.73	2786	27.81	20.30	0.73	2889	25.86	18.88	0.73	3032	25.60	18.69	0.73	3062	21.12	15.42	0.73	3177
	86	75	32.20	19.64	0.61	2271	31.88	19.45	0.61	2291	31.54	19.24	0.61	2311	31.13	18.99	0.61	2329	30.82	18.80	0.61	2341	30.49	18.60	0.61	2416	30.07	18.34	0.61	2520	29.53	18.02	0.61	2686	28.84	17.59	0.61	2807	28.00	17.08	0.61	2910	26.04	15.89	0.61	3052	25.78	15.73	0.61	3082	21.27	12.97	0.61	3197
	86	79	32.65	16.00	0.49	2294	32.33	15.84	0.49	2314	31.98	15.67	0.49	2335	31.57	15.47	0.49	2353	31.25	15.31	0.49	2364	30.91	15.15	0.49	2440	30.49	14.94	0.49	2543	29.95	14.67	0.49	2709	29.25	14.33	0.49	2830	28.39	13.91	0.49	2933	26.41	12.94	0.49	3076	26.14	12.81	0.49	3106	21.57	10.57	0.49	3221
	88	64	31.03	28.24	0.91	2229	30.72	27.96	0.91	2249	30.39	27.65	0.91	2270	30.00	27.30	0.91	2288	29.70	27.03	0.91	2299	29.38	26.73	0.91	2376	28.97	26.36	0.91	2480	28.46	25.90	0.91	2648	27.79	25.29	0.91	2770	26.98	24.56	0.91	2874	25.09	22.84	0.91	3018	24.84	22.61	0.91	3049	20.50	18.65	0.91	3165
	88	68	31.66	28.18	0.89	2255	31.35	27.90	0.89	2275	31.01	27.60	0.89	2296	30.61	27.24	0.89	2314	30.31	26.97	0.89	2326	29.98	26.68	0.89	2402	29.56	26.31	0.89	2506	29.04	25.85	0.89	2674	28.36	25.24	0.89	2796	27.53	24.51	0.89	2900	25.61	22.79	0.89	3044	25.35	22.56	0.89	3075	20.91	18.61	0.89	3191
	88	72	32.30	24.87	0.77	2272	31.98	24.62	0.77	2293	31.63	24.35	0.77	2313	31.22	24.04	0.77	2332	30.91	23.80	0.77	2343	30.58	23.54	0.77	2420	30.16	23.22	0.77	2524	29.62	22.81	0.77	2692	28.93	22.27	0.77	2814	28.09	21.63	0.77	2918	26.12	20.11	0.77	3062	25.86	19.91	0.77	3092	21.33	16.43	0.77	3209
	88	75	32.52	21.14	0.65	2293	32.20	20.93	0.65	2314	31.85	20.70	0.65	2334	31.44	20.44	0.65	2352	31.13	20.24	0.65	2364	30.79	20.01	0.65	2440	30.37	19.74	0.65	2545	29.83	19.39	0.65	2712	29.13	18.94	0.65	2835	28.28	18.38	0.65	2939	26.30	17.10	0.65	3083	26.04	16.93	0.65	3113	21.48	13.96	0.65	3229
	88	79	32.98	17.48	0.53	2317	32.65	17.31	0.53	2337	32.30	17.12	0.53	2358	31.88	16.90	0.53	2376	31.57	16.73	0.53	2388	31.22	16.55	0.53	2464	30.79	16.32	0.53	2569	30.25	16.03	0.53	2736	29.54	15.66	0.53	2859	28.68	15.20	0.53	2963	26.67	14.14	0.53	3107	26.40	13.99	0.53	3137	21.78	11.55	0.53	3253
	90	64	31.34	28.52	0.91	2251	31.03	28.24	0.91	2272	30.69	27.93	0.91	2292	30.30	27.57	0.91	2311	30.00	27.30	0.91	2322	29.67	27.00	0.91	2400	29.26	26.63	0.91	2505	28.74	26.16	0.91	2674	28.07	25.54	0.91	2798	27.25	24.80	0.91	2903	25.35	23.06	0.91	3049	25.09	22.83	0.91	3079	20.70	18.84	0.91	3197
	90	68	31.98	29.10	0.91	2277	31.66	28.81	0.91	2298	31.32	28.50	0.91	2319	30.92	28.13	0.91	2337	30.61	27.86	0.91	2349	30.28	27.55	0.91	2426	29.86	27.17	0.91	2532	29.33	26.69	0.91	2701	28.64	26.07	0.91	2824	27.81	25.31	0.91	2929	25.86	23.54	0.91	3075	25.60	23.30	0.91	3105	21.12	19.22	0.91	3223
	90	72	32.62	26.42	0.81	2295	32.30	26.16	0.81	2316	31.94	25.88	0.81	2336	31.53	25.54	0.81	2355	31.22	25.29	0.81	2367	30.88	25.02	0.81	2444	30.46	24.67	0.81	2549	29.92	24.23	0.81	2719	29.22	23.67	0.81	2842	28.37	22.98	0.81	2947	26.38	21.37	0.81	3093	26.12	21.15	0.81	3123	21.55	17.45	0.81	3241
	90	75	32.85	22.67	0.69	2316	32.52	22.44	0.69	2337	32.17	22.20	0.69	2357	31.76	21.91	0.69	2376	31.44	21.70	0.69	2388	31.10	21.46	0.69	2465	30.67	21.16	0.69	2570	30.13	20.79	0.69	2740	29.42	20.30	0.69	2863	28.57	19.71	0.69	2968	26.57	18.33	0.69	3114	26.30	18.15	0.69	3144	21.70	14.97	0.69	3262
	90	79	33.31	18.99	0.57	2340	32.98	18.80	0.57	2361	32.62	18.59	0.57	2382	32.20	18.35	0.57	2400	31.88	18.17	0.57	2412	31.54	17.98	0.57	2489	31.10	17.73	0.57	2595	30.55	17.41	0.57	2764	29.83	17.01	0.57	2887	28.97	16.51	0.57	2992	26.94	15.35	0.57	3138	26.67	15.20	0.57	3168	22.00	12.54	0.57	3286

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	16.41	10.01	0.61	2884	14.61	8.91	0.61	2941	14.02	8.55	0.61	2971	13.32	8.13	0.61	3031
	70	68	17.09	8.37	0.49	2907	15.21	7.45	0.49	2965	14.60	7.15	0.49	2994	13.87	6.80	0.49	3054
	72	64	16.92	11.00	0.65	2913	15.06	9.79	0.65	2971	14.46	9.40	0.65	3001	13.73	8.93	0.65	3061
	72	68	17.44	9.24	0.53	2936	15.52	8.23	0.53	2995	14.90	7.90	0.53	3025	14.15	7.50	0.53	3085
	72	72	17.73	7.27	0.41	2953	15.78	6.47	0.41	3011	15.15	6.21	0.41	3041	14.39	5.90	0.41	3101
	73	64	17.26	11.91	0.69	2942	15.37	10.60	0.69	3001	14.75	10.18	0.69	3031	14.01	9.67	0.69	3092
	73	68	17.79	10.14	0.57	2966	15.84	9.03	0.57	3025	15.20	8.67	0.57	3055	14.44	8.23	0.57	3116
	73	72	18.10	8.14	0.45	2982	16.11	7.25	0.45	3041	15.46	6.96	0.45	3072	14.69	6.61	0.45	3132
	75	64	17.62	12.86	0.73	2972	15.68	11.45	0.73	3031	15.05	10.99	0.73	3062	14.30	10.44	0.73	3123
	75	68	18.16	11.08	0.61	2996	16.16	9.86	0.61	3056	15.51	9.46	0.61	3086	14.74	8.99	0.61	3148
	75	72	18.46	9.05	0.49	3013	16.43	8.05	0.49	3072	15.78	7.73	0.49	3103	14.99	7.34	0.49	3164
	75	75	18.72	6.93	0.37	3032	16.66	6.17	0.37	3092	16.00	5.92	0.37	3122	15.20	5.62	0.37	3183
	77	64	18.16	13.98	0.77	3002	16.16	12.45	0.77	3062	15.52	11.95	0.77	3093	14.74	11.35	0.77	3155
	77	68	18.72	12.17	0.65	3026	16.66	10.83	0.65	3087	15.99	10.40	0.65	3117	15.19	9.88	0.65	3179
	77	72	19.04	10.09	0.53	3043	16.94	8.98	0.53	3103	16.26	8.62	0.53	3134	15.45	8.19	0.53	3196
	77	75	19.30	7.91	0.41	3063	17.18	7.04	0.41	3123	16.49	6.76	0.41	3154	15.67	6.42	0.41	3216
	79	64	18.72	15.17	0.81	3032	16.66	13.50	0.81	3093	16.00	12.96	0.81	3124	15.20	12.31	0.81	3187
	79	68	19.30	13.31	0.69	3057	17.17	11.85	0.69	3118	16.49	11.38	0.69	3149	15.66	10.81	0.69	3211
	79	72	19.62	11.19	0.57	3074	17.47	9.96	0.57	3135	16.77	9.56	0.57	3166	15.93	9.08	0.57	3228
	79	75	19.90	8.95	0.45	3094	17.71	7.97	0.45	3154	17.00	7.65	0.45	3185	16.15	7.27	0.45	3248
	79	79	20.22	6.67	0.33	3116	17.99	5.94	0.33	3177	17.27	5.70	0.33	3208	16.41	5.42	0.33	3271
	81	64	19.11	16.24	0.85	3063	17.00	14.45	0.85	3124	16.32	13.88	0.85	3156	15.51	13.18	0.85	3219
	81	66	19.50	15.40	0.79	3073	17.35	13.71	0.79	3134	16.66	13.16	0.79	3166	15.82	12.50	0.79	3229
	81	68	19.69	14.37	0.73	3088	17.52	12.79	0.73	3149	16.82	12.28	0.73	3181	15.98	11.67	0.73	3244
	81	72	20.03	12.22	0.61	3105	17.82	10.87	0.61	3166	17.11	10.44	0.61	3198	16.25	9.91	0.61	3261
	81	75	20.31	9.95	0.49	3125	18.07	8.86	0.49	3186	17.35	8.50	0.49	3218	16.48	8.08	0.49	3281
	81	79	20.63	7.63	0.37	3148	18.36	6.79	0.37	3209	17.63	6.52	0.37	3241	16.75	6.20	0.37	3304
	82	64	19.30	17.17	0.89	3093	17.17	15.28	0.89	3155	16.49	14.67	0.89	3187	15.66	13.94	0.89	3251
	82	68	19.69	15.16	0.77	3119	17.52	13.49	0.77	3181	16.82	12.95	0.77	3212	15.98	12.31	0.77	3276
	82	72	19.89	12.93	0.65	3136	17.70	11.50	0.65	3198	16.99	11.04	0.65	3230	16.14	10.49	0.65	3293
	82	75	20.23	10.72	0.53	3156	18.00	9.54	0.53	3218	17.28	9.16	0.53	3250	16.42	8.70	0.53	3314
	82	79	20.51	8.41	0.41	3179	18.25	7.48	0.41	3241	17.52	7.18	0.41	3273	16.65	6.83	0.41	3337
	84	64	19.49	17.74	0.91	3124	17.35	15.78	0.91	3187	16.65	15.15	0.91	3219	15.82	14.40	0.91	3284
	84	68	19.89	16.11	0.81	3150	17.70	14.34	0.81	3213	16.99	13.76	0.81	3245	16.14	13.08	0.81	3309
	84	72	20.29	14.00	0.69	3167	18.05	12.46	0.69	3230	17.33	11.96	0.69	3262	16.46	11.36	0.69	3326
	84	75	20.43	11.64	0.57	3188	18.18	10.36	0.57	3250	17.45	9.95	0.57	3282	16.58	9.45	0.57	3347
	84	79	20.71	9.32	0.45	3211	18.44	8.30	0.45	3274	17.70	7.96	0.45	3306	16.81	7.57	0.45	3370
	86	64	19.68	17.91	0.91	3156	17.52	15.94	0.91	3219	16.82	15.30	0.91	3251	15.98	14.54	0.91	3316
	86	68	20.09	17.07	0.85	3181	17.88	15.20	0.85	3245	17.16	14.59	0.85	3277	16.30	13.86	0.85	3342
	86	72	20.49	14.96	0.73	3199	18.23	13.31	0.73	3262	17.50	12.78	0.73	3294	16.63	12.14	0.73	3360
	86	75	20.63	12.59	0.61	3219	18.36	11.20	0.61	3283	17.63	10.75	0.61	3315	16.75	10.22	0.61	3380
	86	79	20.92	10.25	0.49	3243	18.62	9.12	0.49	3306	17.87	8.76	0.49	3339	16.98	8.32	0.49	3404
	88	64	19.88	18.09	0.91	3187	17.69	16.10	0.91	3251	16.99	15.46	0.91	3284	16.14	14.68	0.91	3350
	88	68	20.29	18.06	0.89	3213	18.06	16.07	0.89	3277	17.33	15.43	0.89	3310	16.47	14.66	0.89	3376
	88	72	20.69	15.93	0.77	3231	18.42	14.18	0.77	3295	17.68	13.61	0.77	3327	16.80	12.93	0.77	3393
	88	75	20.84	13.54	0.65	3252	18.55	12.05	0.65	3316	17.80	11.57	0.65	3348	16.91	10.99	0.65	3414
	88	79	21.13	11.20	0.53	3276	18.81	9.97	0.53	3340	18.05	9.57	0.53	3372	17.15	9.09	0.53	3438
	90	64	20.08	18.27	0.91	3219	17.87	16.26	0.91	3284	17.16	15.61	0.91	3317	16.30	14.83	0.91	3383
	90	68	20.49	18.65	0.91	3245	18.24	16.59	0.91	3310	17.51	15.93	0.91	3343	16.63	15.13	0.91	3409
	90	72	20.90	16.93	0.81	3263	18.60	15.07	0.81	3328	17.86	14.46	0.81	3361	16.96	13.74	0.81	3427
	90	75	21.05	14.52	0.69	3284	18.73	12.92	0.69	3349	17.98	12.41	0.69	3382	17.08	11.79	0.69	3448
	90	79	21.34	12.16	0.57	3308	18.99	10.83	0.57	3373	18.23	10.39	0.57	3406	17.32	9.87	0.57	3472

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

Cooling Operation PERFORMANCE DATA

OUTDOOR DB (°F)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	24.83	15.15	0.61	1996	24.58	15.00	0.61	2014	24.32	14.83	0.61	2033	24.01	14.64	0.61	2049	23.77	14.50	0.61	2059	23.51	14.34	0.61	2128	23.18	14.14	0.61	2221	22.77	13.89	0.61	2371	22.24	13.57	0.61	2481	21.59	13.17	0.61	2574	20.08	12.25	0.61	2703	19.88	12.13	0.61	2730	16.40	10.00	0.61	2834
	70	68	25.85	12.67	0.49	2019	25.60	12.54	0.49	2038	25.32	12.41	0.49	2056	24.99	12.25	0.49	2073	24.75	12.13	0.49	2083	24.48	11.99	0.49	2151	24.14	11.83	0.49	2245	23.71	11.62	0.49	2395	23.16	11.35	0.49	2505	22.48	11.02	0.49	2598	20.91	10.25	0.49	2727	20.70	10.14	0.49	2754	17.08	8.37	0.49	2858
	72	64	25.60	16.64	0.65	2016	25.34	16.47	0.65	2035	25.07	16.29	0.65	2053	24.75	16.09	0.65	2070	24.50	15.93	0.65	2080	24.24	15.75	0.65	2149	23.90	15.54	0.65	2244	23.48	15.26	0.65	2395	22.93	14.90	0.65	2506	22.26	14.47	0.65	2600	20.70	13.46	0.65	2730	20.50	13.32	0.65	2758	16.91	10.99	0.65	2863
	72	68	26.38	13.98	0.53	2040	26.12	13.84	0.53	2058	25.84	13.69	0.53	2077	25.51	13.52	0.53	2093	25.25	13.38	0.53	2104	24.98	13.24	0.53	2173	24.63	13.06	0.53	2268	24.20	12.82	0.53	2419	23.63	12.52	0.53	2530	22.94	12.16	0.53	2624	21.34	11.31	0.53	2754	21.12	11.20	0.53	2782	17.43	9.24	0.53	2887
	72	72	26.83	11.00	0.41	2056	26.56	10.89	0.41	2074	26.28	10.77	0.41	2093	25.94	10.63	0.41	2110	25.68	10.53	0.41	2120	25.40	10.41	0.41	2189	25.05	10.27	0.41	2284	24.61	10.09	0.41	2435	24.03	9.85	0.41	2546	23.33	9.57	0.41	2640	21.70	8.90	0.41	2770	21.48	8.81	0.41	2798	17.72	7.27	0.41	2903
	73	64	26.12	18.02	0.69	2036	25.86	17.84	0.69	2055	25.58	17.65	0.69	2074	25.25	17.42	0.69	2091	25.00	17.25	0.69	2101	24.73	17.06	0.69	2171	24.39	16.83	0.69	2267	23.96	16.53	0.69	2420	23.40	16.14	0.69	2531	22.71	15.67	0.69	2626	21.12	14.58	0.69	2758	20.91	14.43	0.69	2786	17.25	11.91	0.69	2892
	73	68	26.92	15.34	0.57	2060	26.65	15.19	0.57	2079	26.36	15.03	0.57	2098	26.03	14.83	0.57	2115	25.77	14.69	0.57	2125	25.49	14.53	0.57	2195	25.14	14.33	0.57	2291	24.69	14.07	0.57	2444	24.11	13.74	0.57	2555	23.41	13.34	0.57	2650	21.77	12.41	0.57	2782	21.55	12.29	0.57	2810	17.78	10.14	0.57	2916
	73	72	27.38	12.32	0.45	2077	27.11	12.20	0.45	2095	26.81	12.07	0.45	2114	26.47	11.91	0.45	2131	26.21	11.79	0.45	2142	25.92	11.66	0.45	2211	25.56	11.50	0.45	2307	25.11	11.30	0.45	2460	24.52	11.04	0.45	2572	23.81	10.71	0.45	2667	22.14	9.96	0.45	2798	21.92	9.86	0.45	2826	18.08	8.14	0.45	2932
	75	64	26.65	19.46	0.73	2057	26.39	19.26	0.73	2076	26.10	19.06	0.73	2095	25.77	18.81	0.73	2112	25.51	18.62	0.73	2122	25.24	18.42	0.73	2193	24.89	18.17	0.73	2289	24.45	17.85	0.73	2444	23.87	17.43	0.73	2557	23.18	16.92	0.73	2653	21.56	15.74	0.73	2786	21.34	15.58	0.73	2814	17.61	12.85	0.73	2921
	75	68	27.47	16.76	0.61	2081	27.20	16.59	0.61	2100	26.90	16.41	0.61	2119	26.56	16.20	0.61	2136	26.29	16.04	0.61	2147	26.01	15.86	0.61	2217	25.65	15.65	0.61	2314	25.20	15.37	0.61	2468	24.60	15.01	0.61	2581	23.89	14.57	0.61	2677	22.22	13.55	0.61	2810	21.99	13.42	0.61	2838	18.14	11.07	0.61	2945
	75	72	27.94	13.69	0.49	2098	27.66	13.55	0.49	2117	27.36	13.41	0.49	2136	27.01	13.23	0.49	2152	26.74	13.10	0.49	2163	26.45	12.96	0.49	2234	26.08	12.78	0.49	2330	25.62	12.56	0.49	2485	25.02	12.26	0.49	2598	24.29	11.90	0.49	2694	22.59	11.07	0.49	2827	22.37	10.96	0.49	2855	18.45	9.04	0.49	2962
	75	75	28.33	10.48	0.37	2117	28.05	10.38	0.37	2136	27.74	10.26	0.37	2155	27.39	10.13	0.37	2172	27.12	10.03	0.37	2183	26.82	9.92	0.37	2253	26.45	9.79	0.37	2350	25.98	9.61	0.37	2504	25.37	9.39	0.37	2617	24.63	9.11	0.37	2713	22.91	8.48	0.37	2846	22.68	8.39	0.37	2874	18.71	6.92	0.37	2981
	77	64	27.48	21.16	0.77	2078	27.21	20.95	0.77	2097	26.91	20.72	0.77	2116	26.56	20.45	0.77	2133	26.30	20.25	0.77	2144	26.02	20.03	0.77	2215	25.66	19.76	0.77	2313	25.20	19.41	0.77	2469	24.61	18.95	0.77	2583	23.90	18.40	0.77	2680	22.22	17.11	0.77	2814	22.00	16.94	0.77	2842	18.15	13.98	0.77	2951
	77	68	28.32	18.41	0.65	2102	28.04	18.23	0.65	2121	27.73	18.03	0.65	2140	27.38	17.80	0.65	2158	27.11	17.62	0.65	2168	26.81	17.43	0.65	2240	26.44	17.19	0.65	2337	25.97	16.88	0.65	2493	25.37	16.49	0.65	2607	24.63	16.01	0.65	2704	22.90	14.89	0.65	2839	22.67	14.74	0.65	2867	18.71	12.16	0.65	2975
	77	72	28.80	15.26	0.53	2119	28.52	15.11	0.53	2138	28.21	14.95	0.53	2157	27.84	14.76	0.53	2174	27.57	14.61	0.53	2185	27.27	14.45	0.53	2256	26.89	14.25	0.53	2354	26.42	14.00	0.53	2510	25.80	13.67	0.53	2624	25.05	13.27	0.53	2721	23.29	12.34	0.53	2855	23.06	12.22	0.53	2883	19.02	10.08	0.53	2992
	77	75	29.20	11.97	0.41	2139	28.91	11.86	0.41	2158	28.60	11.73	0.41	2177	28.23	11.58	0.41	2194	27.95	11.46	0.41	2205	27.65	11.34	0.41	2276	27.27	11.18	0.41	2373	26.79	10.98	0.41	2529	26.16	10.72	0.41	2644	25.40	10.41	0.41	2740	23.62	9.68	0.41	2875	23.38	9.59	0.41	2903	19.29	7.91	0.41	3011
	79	64	28.33	22.95	0.81	2099	28.05	22.72	0.81	2118	27.74	22.47	0.81	2137	27.39	22.18	0.81	2155	27.12	21.96	0.81	2165	26.82	21.72	0.81	2237	26.45	21.42	0.81	2336	25.98	21.05	0.81	2494	25.37	20.55	0.81	2609	24.63	19.95	0.81	2707	22.91	18.56	0.81	2842	22.68	18.37	0.81	2871	18.71	15.16	0.81	2980
	79	68	29.20	20.14	0.69	2124	28.91	19.95	0.69	2143	28.59	19.73	0.69	2162	28.22	19.48	0.69	2179	27.95	19.28	0.69	2190	27.64	19.07	0.69	2262	27.26	18.81	0.69	2361	26.78	18.48	0.69	2518	26.15	18.04	0.69	2634	25.39	17.52	0.69	2731	23.61	16.29	0.69	2867	23.38	16.13	0.69	2896	19.28	13.31	0.69	3005
	79	72	29.69	16.92	0.57	2140	29.40	16.76	0.57	2160	29.08	16.57	0.57	2179	28.70	16.36	0.57	2196	28.42	16.20	0.57	2207	28.11	16.02	0.57	2279	27.72	15.80	0.57	2377	27.23	15.52	0.57	2535	26.59	15.16	0.57	2650	25.82	14.72	0.57	2748	24.01	13.69	0.57	2884	23.77	13.55	0.57	2913	19.61	11.18	0.57	3022
	79	75	30.11	13.55	0.45	2160	29.81	13.41	0.45	2179	29.48	13.27	0.45	2199	29.11	13.10	0.45	2216	28.82	12.97	0.45	2227	28.50	12.83	0.45	2299	28.11	12.65	0.45	2397	27.61	12.43	0.45	2555	26.97	12.14	0.45	2670	26.18	11.78	0.45	2768	24.35	10.96	0.45	2904	24.11	10.85	0.45	2932	19.89	8.95	0.45	3042
	79	79	30.59	10.09	0.33	2183	30.29	9.99	0.33	2202	29.96	9.89	0.33	2221	29.57	9.76	0.33	2239	29.28	9.66	0.33	2250	28.96	9.56	0.33	2322	28.56	9.43	0.33	2420	28.06	9.26	0.33	2578	27.40	9.04	0.33	2693	26.60	8.78	0.33	2791	24.74	8.16	0.33	2927	24.49	8.08	0.33	2955	20.21	6.67	0.33	3065
	81	64	28.91	24.57	0.85	2120	28.62	24.33	0.85	2139	28.31	24.06	0.85	2159	27.95	23.75	0.85	2176	27.67	23.52	0.85	2187	27.37	23.26	0.85	2260	26.99	22.94	0.85	2360	26.51	22.54	0.85	2519	25.89	22.01	0.85	2635	25.14	21.37	0.85	2734	23.38	19.87	0.85	2871	23.14	19.67	0.85	2900	19.09	16.23	0.85	3011
	81	66	29.50	23.30	0.79	2130	29.20	23.07	0.79	2149	28.89	22.82	0.79	2169	28.52	22.53	0.79	2186	28.23	22.30	0.79	2197	27.93	22.06	0.79	2270	27.54	21.76	0.79	2370	27.05	21.37	0.79	2529	26.42	20.87	0.79	2645	25.65	20.26	0.79	2744	23.85	18.85	0.79	2881	23.62	18.66	0.79	2910	19.48	15.39	0.79	3021
	81	68	29.79	21.75	0.73	2145	29.50	21.53	0.73	2164	29.18	21.30	0.73	2184	28.80	21.02	0.73	2201	28.52	20.82	0.73	2212	28.21	20.59	0.73	2285	27.82	20.31	0.73	2385	27.32	19.95	0.73	2544	26.68	19.48	0.73	2660	25.91	18.91	0.73	2759	24.09	17.59	0.73	2896	23.85	17.41	0.73	2925	19.68	14.36	0.73	3036
	81	72	30.30	18.48	0.61	2162	30.00	18.30	0.61	2181	29.67	18.10	0.61	2201	29.29	17.87	0.61	2218	29.00	17.69	0.61	2229	28.68	17.50	0.61	2302	28.29	17.26	0.61	2402	27.79	16.95	0.61	2561	27.14	16.55	0.61	2677	26.35	16.07	0.61	2776	24.50	14.95	0.61	2913	24.26	14.80	0.61	2942	20.01	12.21	0.61	3053
	81	75	30.72	15.05	0.49	2182	30.42	14.90	0.49	2201	30.09	14.74	0.49	2221	29.70	14.55	0.49	2238	29.41	14.41	0.49	2249	29.09	14.25	0.49	2322	28.68	14.06	0.49	2422	28.18	13.81	0.49	2581	27.52	13.48	0.49	2697	26.72	13.09	0.49	2796	24.85	12.17	0.49	2933	24.60	12.05	0.49	2962	20.29	9.94	0.49	3073
	81	79	31.21	11.55	0.37	2205	30.90	11.43	0.37	2224	30.57	11.31	0.37	2244	30.18	11.16	0.37	2261	29.88	11.05	0.37	2272	29.55	10.93	0.37	2345	29.14	10.78	0.37	2445	28.63	10.59	0.37	2604	27.96	10.34	0.37	2720	27.14	10.04	0.37	2819	25.24	9.34	0.37	2956	24.99	9.25	0.37	2985	20.62	7.63	0.37	3096
	82	64	29.20	25.98	0.89	2141	28.91	25.73	0.89	2161	28.59	25.45	0.89	2180	28.22	25.12	0.89	2198	27.95	24.87	0.89	2209	27.64	24.60	0.89	2283	27.26	24.26	0.89	2383	26.78	23.83	0.89	2544	26.15	23.27	0.89	2662	25.39	22.60	0.89	2761	23.61	21.01	0.89	2900	23.38	20.80	0.89	2929	19.28	17.16	0.89	3041
	82	68	29.79	22.94	0.77	2166	29.50	22.71	0.77	2186	29.18	22.46	0.77	2206	28.80	22.18	0.77	2223	28.52	21.96	0.77	2234	28.21	21.72	0.77	2308	27.82	21.42	0.77	2408	27.32	21.04	0.77	2569	26.68	20.55	0.77	2687	25.91	19.95	0.77	2787	24.09	18.55	0.77	2925	23.85	18.37	0.77	2954	19.68	15.15	0.77	3066
	82	72	30.09	19.56	0.65	2184	29.79	19.36	0.65	2203	29.47	19.15	0.65	2223	29.09	18.91	0.65	2241	28.80	18.72	0.65	2252	28.49	18.52	0.65	2325	28.09	18.26	0.65	2426	27.60	17.94	0.65	2586	26.95	17.52	0.65	2704	26.17	17.01	0.65	2804	24.33	15.82	0.65	2942	24.09	15.66	0.65	2971	19.87	12.92	0.65	3083
	82	75	30.60	16.22	0.53	2204	30.30	16.06	0.53	2223	29.97	15.88	0.53	2243	29.58	15.68	0.53	2261	29.29	15.52	0.53	2272	28.97	15.36	0.53	2345	28.57	15.14	0.53	2446	28.07	14.88	0.53	2607	27.41	14.53	0.53	2724	26.61	14.10	0.53	2824	24.75	13.12	0.53	2963	24.50	12.99	0.53	2992	20.21	10.71	0.53	3103
	82	79	31.03	12.72	0.41	2227	30.72	12.60	0.41	2247	30.39	12.46	0.41	2266	30.00	12.30	0.41	2284	29.70	12.18	0.41	2295	29.38	12.04	0.41	2368	28.97	11.88	0.41	2469	28.46	11.67	0.41	2630	27.79	11.39	0.41	2747	26.98	11.06	0.41	2847	25.09	10.29	0.41	2986	24.84	10.19	0.41	3015	20.50	8.40	0.41	3127
	84	64	29.49	26.83	0.91	2163	29.20	26.57	0.91	2182	28.88	26.28	0.91	2202	28.51	25.94	0.91	2220	28.22	25.68	0.91	2231	27.92	25.41	0.91	2305	27.53	25.05	0.91	2407	27.05	24.61	0.91	2569	26.41	24.03	0.91	2688	25.64	23.33	0.91	2789	23.85	21.70	0.91	2929	23.61	21.48	0.91	2958	19.48	17.72	0.91	3071
	84	68	30.09	24.37	0.81	2188	29.79	24.13	0.81	2208	29.47	23.87	0.81	2228	29.09	23.56	0.81	2246	28.80	23.33	0.81	2257	28.49	23.07	0.81	2331	28.09	22.76	0.81	2432	27.60	22.35	0.81	2595	26.95	21.83	0.81	2714	26.17	21.19	0.81	2814	24.33	19.71	0.81	2954	24.09	19.51	0.81	2984	19.87	16.10	0.81	3097
	84	72	30.69	21.18	0.69	2205	30.39	20.97	0.69	2225	30.06	20.74	0.69	2245	29.67	20.47	0.69	2263	29.38	20.27	0.69	2274	29.06	20.05	0.69	2348	28.66	19.77	0.69	2450	28.15	19.42	0.69	2612	27.49	18.97	0.69	2731	26.69	18.42	0.69	2832	24.82	17.13	0.69	2972	24.57	16.95	0.69	3001	20.27	13.99	0.69	3114
	84	75	30.91	17.62	0.57	2226	30.60	17.44	0.57	2246	30.27	17.25	0.57	2266	29.88	17.03	0.57	2283	29.58	16.86	0.57	2295	29.26	16.68	0.57	2369	28.86	16.45	0.57	2470	28.35	16.16	0.57	2633	27.68	15.78	0.57	2751	26.88	15.32	0.57	2852	25.00	14.25	0.57	2992	24.75	14.10	0.57	3022	20.41	11.64	0.57	3134
	84	79	31.34	14.10	0.45	2249	31.03	13.96	0.45	2269	30.69	13.81	0.45	2289	30.30	13.63	0.45	2307	30.00	13.50	0.45	2318	29.67	13.35	0.45	2392	29.26	13.17	0.45	2494	28.74	12.93	0.45	2656	28.07	12.63	0.45	2775	27.25	12.26	0.45	2876	25.35	11.41	0.45	3016	25.09	11.29	0.45	3045	20.70	9.32	0.45	3158
	86	64	29.78	27.10	0.91	2184	29.49	26.83	0.91	2204	29.17	26.54	0.91	2224	28.79	26.20	0.91	2242	28.51	25.94	0.91	2254	28.20	25.66	0.91	2328	27.81	25.30	0.91	2431	27.32	24.86	0.91	2595	26.68	24.27	0.91	2715	25.90	23.57	0.91	2817	24.09	21.92	0.91	2958	23.84	21.70	0.91	2988	19.67	17.90	0.91	3102
	86	68	30.39	25.83	0.85	2210	30.09	25.58	0.85	2230	29.76	25.30	0.85	2250	29.38	24.97	0.85	2268	29.09	24.73	0.85	2279	28.77	24.46	0.85	2354	28.38	24.12	0.85	2457	27.87	23.69	0.85	2621	27.22	23.14	0.85	2741	26.43	22.46	0.85	2843	24.58	20.89	0.85	2984	24.33	20.68	0.85	3014	20.07	17.06	0.85	3128
	86	72	31.00	22.63	0.73	2228	30.69	22.40	0.73	2247	30.36	22.16	0.73	2268	29.97	21.88	0.73	2286	29.67	21.66	0.73	2297	29.35	21.42	0.73	2372	28.94	21.13	0.73	2474	28.43	20.75	0.73	2638	27.76	20.27	0.73	2758	26.96	19.68	0.73	2860	25.07	18.30	0.73	3001	24.82	18.12	0.73	3031	20.47	14.95	0.73	3145
	86	75	31.22	19.04	0.61	2248	30.91	18.85	0.61	2268	30.57	18.65	0.61	2288	30.18	18.41	0.61	2306	29.88	18.23	0.61	2318	29.55	18.03	0.61	2392	29.15	17.78	0.61	2495	28.63	17.46	0.61	2659	27.96	17.06	0.61	2779	27.15	16.56	0.61	2881	25.25	15.40	0.61	3022	24.99	15.25	0.61	3052	20.62	12.58	0.61	3166
	86	79	31.65	15.51	0.49	2272	31.34	15.36	0.49	2292	31.00	15.19	0.49	2312	30.60	14.99	0.49	2330	30.30	14.85	0.49	2341	29.97	14.68	0.49	2416	29.55	14.48	0.49	2519	29.03	14.23	0.49	2683	28.35	13.89	0.49	2803	27.53	13.49	0.49	2904	25.60	12.54	0.49	3046	25.34	12.42	0.49	3075	20.91	10.24	0.49	3189
	88	64	30.08	27.37	0.91	2206	29.78	27.10	0.91	2226	29.46	26.81	0.91	2247	29.08	26.46	0.91	2265	28.79	26.20	0.91	2276	28.48	25.92	0.91	2352	28.09	25.56	0.91	2455	27.59	25.11	0.91	2621	26.94	24.52	0.91	2742	26.16	23.80	0.91	2845	24.33	22.14	0.91	2988	24.08	21.92	0.91	3018	19.87	18.08	0.91	3133
	88	68	30.69	27.32	0.89	2232	30.39	27.05	0.89	2252	30.06	26.75	0.89	2273	29.67	26.41	0.89	2291	29.38	26.15	0.89	2302	29.06	25.86	0.89	2378	28.66	25.51	0.89	2481	28.15	25.06	0.89	2647	27.49	24.47	0.89	2768	26.69	23.76	0.89	2871	24.82	22.09	0.89	3014	24.57	21.87	0.89	3044	20.27	18.04	0.89	3159
	88	72	31.31	24.11	0.77	2250	31.00	23.87	0.77	2270	30.66	23.61	0.77	2290	30.27	23.31	0.77	2308	29.97	23.07	0.77	2320	29.64	22.82	0.77	2395	29.23	22.51	0.77	2499	28.72	22.11	0.77	2665	28.04	21.59	0.77	2786	27.23	20.96	0.77	2889	25.32	19.50	0.77	3031	25.07	19.30	0.77	3061	20.68	15.92	0.77	3177
	88	75	31.53	20.49	0.65	2271	31.22	20.29	0.65	2291	30.88	20.07	0.65	2311	30.48	19.81	0.65	2329	30.18	19.62	0.65	2341	29.85	19.40	0.65	2416	29.44	19.13	0.65	2520	28.92	18.80	0.65	2686	28.24	18.36	0.65	2807	27.42	17.82	0.65	2910	25.50	16.57	0.65	3052	25.24	16.41	0.65	3082	20.83	13.54	0.65	3197
	88	79	31.97	16.94	0.53	2295	31.65	16.78	0.53	2315	31.31	16.59	0.53	2335	30.91	16.38	0.53	2353	30.60	16.22	0.53	2365	30.27	16.04	0.53	2440	29.85	15.82	0.53	2544	29.32	15.54	0.53	2710	28.63	15.18	0.53	2831	27.80	14.73	0.53	2933	25.85	13.70	0.53	3076	25.60	13.57	0.53	3106	21.12	11.19	0.53	3221
	90	64	30.38	27.65	0.91	2228	30.08	27.37	0.91	2248	29.75	27.07	0.91	2269	29.37	26.73	0.91	2287	29.08	26.46	0.91	2299	28.76	26.17	0.91	2375	28.37	25.81	0.91	2480	27.86	25.36	0.91	2647	27.21	24.76	0.91	2770	26.42	24.04	0.91	2873	24.57	22.36	0.91	3018	24.32	22.14	0.91	3048	20.07	18.26	0.91	3164
	90	68	31.00	28.21	0.91	2254	30.69	27.93	0.91	2275	30.36	27.63	0.91	2295	29.97	27.27	0.91	2314	29.67	27.00	0.91	2325	29.35	26.71	0.91	2402	28.95	26.34	0.91	2506	28.43	25.87	0.91	2674	27.77	25.27	0.91	2796	26.96	24.53	0.91	2900	25.07	22.81	0.91	3044	24.82	22.59	0.91	3074	20.48	18.63	0.91	3190
	90	72	31.62	25.61	0.81	2272	31.31	25.36	0.81	2293	30.97	25.08	0.81	2313	30.57	24.76	0.81	2332	30.27	24.52	0.81	2343	29.94	24.25	0.81	2419	29.52	23.91	0.81	2524	29.00	23.49	0.81	2691	28.32	22.94	0.81	2814	27.50	22.27	0.81	2918	25.57	20.71	0.81	3062	25.32	20.51	0.81	3092	20.89	16.92	0.81	3208
	90	75	31.84	21.97	0.69	2293	31.53	21.75	0.69	2314	31.18	21.52	0.69	2334	30.78	21.24	0.69	2353	30.48	21.03	0.69	2364	30.15	20.80	0.69	2440	29.73	20.51	0.69	2545	29.21	20.15	0.69	2712	28.52	19.68	0.69	2835	27.69	19.11	0.69	2939	25.75	17.77	0.69	3083	25.49	17.59	0.69	3113	21.03	14.51	0.69	3229
	90	79	32.29	18.40	0.57	2317	31.97	18.22	0.57	2338	31.62	18.02	0.57	2358	31.22	17.79	0.57	2377	30.91	17.62	0.57	2388	30.57	17.42	0.57	2465	30.15	17.18	0.57	2569	29.61	16.88	0.57	2737	28.92	16.48	0.57	2859	28.08	16.00	0.57	2963	26.11	14.88	0.57	3107	25.85	14.74	0.57	3137	21.33	12.16	0.57	3253

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K(Cooling up to 3 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	15.91	9.70	0.61	2854	14.16	8.64	0.61	2912	13.59	8.29	0.61	2941	12.91	7.88	0.61	3000
	70	68	16.57	8.12	0.49	2878	14.74	7.22	0.49	2935	14.15	6.94	0.49	2964	13.45	6.59	0.49	3023
	72	64	16.40	10.66	0.65	2883	14.60	9.49	0.65	2941	14.01	9.11	0.65	2971	13.31	8.65	0.65	3030
	72	68	16.90	8.96	0.53	2907	15.04	7.97	0.53	2965	14.44	7.65	0.53	2994	13.72	7.27	0.53	3054
	72	72	17.19	7.05	0.41	2923	15.30	6.27	0.41	2981	14.69	6.02	0.41	3010	13.95	5.72	0.41	3070
	73	64	16.74	11.55	0.69	2912	14.90	10.28	0.69	2971	14.30	9.87	0.69	3001	13.58	9.37	0.69	3061
	73	68	17.25	9.83	0.57	2936	15.35	8.75	0.57	2995	14.74	8.40	0.57	3025	14.00	7.98	0.57	3085
	73	72	17.54	7.89	0.45	2953	15.61	7.03	0.45	3011	14.99	6.74	0.45	3041	14.24	6.41	0.45	3101
	75	64	17.08	12.47	0.73	2942	15.20	11.10	0.73	3001	14.59	10.65	0.73	3031	13.86	10.12	0.73	3092
	75	68	17.60	10.74	0.61	2966	15.66	9.56	0.61	3025	15.04	9.17	0.61	3055	14.29	8.71	0.61	3116
	75	72	17.90	8.77	0.49	2982	15.93	7.81	0.49	3041	15.29	7.49	0.49	3072	14.53	7.12	0.49	3132
	75	75	18.15	6.72	0.37	3002	16.15	5.98	0.37	3061	15.51	5.74	0.37	3091	14.73	5.45	0.37	3152
	77	64	17.61	13.56	0.77	2971	15.67	12.07	0.77	3031	15.04	11.58	0.77	3061	14.29	11.00	0.77	3123
	77	68	18.14	11.79	0.65	2996	16.15	10.50	0.65	3056	15.50	10.08	0.65	3086	14.73	9.57	0.65	3147
	77	72	18.45	9.78	0.53	3013	16.42	8.70	0.53	3072	15.77	8.36	0.53	3103	14.98	7.94	0.53	3164
	77	75	18.71	7.67	0.41	3032	16.65	6.83	0.41	3092	15.99	6.55	0.41	3122	15.19	6.23	0.41	3184
	79	64	18.15	14.70	0.81	3001	16.15	13.08	0.81	3062	15.51	12.56	0.81	3092	14.73	11.93	0.81	3154
	79	68	18.71	12.91	0.69	3026	16.65	11.49	0.69	3086	15.98	11.03	0.69	3117	15.18	10.48	0.69	3179
	79	72	19.02	10.84	0.57	3043	16.93	9.65	0.57	3103	16.25	9.26	0.57	3134	15.44	8.80	0.57	3196
	79	75	19.29	8.68	0.45	3063	17.17	7.73	0.45	3123	16.48	7.42	0.45	3154	15.66	7.05	0.45	3216
	79	79	19.60	6.47	0.33	3086	17.44	5.76	0.33	3146	16.75	5.53	0.33	3177	15.91	5.25	0.33	3239
	81	64	18.52	15.74	0.85	3032	16.48	14.01	0.85	3093	15.82	13.45	0.85	3124	15.03	12.78	0.85	3186
	81	66	18.90	14.93	0.79	3042	16.82	13.29	0.79	3103	16.15	12.76	0.79	3134	15.34	12.12	0.79	3196
	81	68	19.09	13.93	0.73	3057	16.99	12.40	0.73	3118	16.31	11.91	0.73	3149	15.49	11.31	0.73	3211
	81	72	19.41	11.84	0.61	3074	17.28	10.54	0.61	3135	16.59	10.12	0.61	3166	15.76	9.61	0.61	3228
	81	75	19.68	9.65	0.49	3094	17.52	8.58	0.49	3155	16.82	8.24	0.49	3186	15.98	7.83	0.49	3248
	81	79	20.00	7.40	0.37	3117	17.80	6.59	0.37	3178	17.09	6.32	0.37	3209	16.23	6.01	0.37	3271
	82	64	18.71	16.65	0.89	3062	16.65	14.82	0.89	3123	15.98	14.22	0.89	3155	15.18	13.51	0.89	3218
	82	68	19.09	14.70	0.77	3087	16.99	13.08	0.77	3149	16.31	12.56	0.77	3180	15.49	11.93	0.77	3243
	82	72	19.28	12.53	0.65	3104	17.16	11.15	0.65	3166	16.47	10.71	0.65	3197	15.65	10.17	0.65	3261
	82	75	19.61	10.39	0.53	3125	17.45	9.25	0.53	3186	16.75	8.88	0.53	3217	15.91	8.43	0.53	3281
	82	79	19.88	8.15	0.41	3148	17.69	7.25	0.41	3209	16.99	6.96	0.41	3241	16.14	6.62	0.41	3304
	84	64	18.89	17.19	0.91	3093	16.81	15.30	0.91	3155	16.14	14.69	0.91	3186	15.34	13.95	0.91	3250
	84	68	19.28	15.62	0.81	3118	17.16	13.90	0.81	3180	16.47	13.34	0.81	3212	15.65	12.67	0.81	3276
	84	72	19.66	13.57	0.69	3136	17.50	12.08	0.69	3198	16.80	11.59	0.69	3229	15.96	11.01	0.69	3293
	84	75	19.80	11.29	0.57	3156	17.62	10.05	0.57	3218	16.92	9.64	0.57	3250	16.07	9.16	0.57	3314
	84	79	20.08	9.04	0.45	3179	17.87	8.04	0.45	3241	17.16	7.72	0.45	3273	16.30	7.33	0.45	3337
	86	64	19.08	17.36	0.91	3124	16.98	15.45	0.91	3186	16.30	14.84	0.91	3218	15.49	14.09	0.91	3283
	86	68	19.47	16.55	0.85	3149	17.33	14.73	0.85	3212	16.64	14.14	0.85	3244	15.80	13.43	0.85	3309
	86	72	19.86	14.50	0.73	3167	17.68	12.90	0.73	3230	16.97	12.39	0.73	3262	16.12	11.77	0.73	3326
	86	75	20.00	12.20	0.61	3187	17.80	10.86	0.61	3250	17.09	10.42	0.61	3282	16.23	9.90	0.61	3347
	86	79	20.28	9.94	0.49	3211	18.05	8.84	0.49	3274	17.33	8.49	0.49	3306	16.46	8.07	0.49	3370
	88	64	19.27	17.54	0.91	3155	17.15	15.61	0.91	3218	16.47	14.98	0.91	3250	15.64	14.24	0.91	3316
	88	68	19.67	17.50	0.89	3181	17.50	15.58	0.89	3244	16.80	14.95	0.89	3276	15.96	14.21	0.89	3342
	88	72	20.06	15.45	0.77	3199	17.85	13.75	0.77	3262	17.14	13.20	0.77	3294	16.28	12.54	0.77	3359
	88	75	20.20	13.13	0.65	3219	17.98	11.69	0.65	3283	17.26	11.22	0.65	3315	16.40	10.66	0.65	3380
	88	79	20.48	10.86	0.53	3243	18.23	9.66	0.53	3307	17.50	9.28	0.53	3339	16.63	8.81	0.53	3404
	90	64	19.47	17.71	0.91	3186	17.32	15.77	0.91	3250	16.63	15.13	0.91	3283	15.80	14.38	0.91	3349
	90	68	19.86	18.08	0.91	3213	17.68	16.09	0.91	3277	16.97	15.44	0.91	3309	16.12	14.67	0.91	3375
	90	72	20.26	16.41	0.81	3231	18.03	14.61	0.81	3294	17.31	14.02	0.81	3327	16.44	13.32	0.81	3393
	90	75	20.40	14.08	0.69	3252	18.16	12.53	0.69	3315	17.43	12.03	0.69	3348	16.56	11.43	0.69	3414
	90	79	20.69	11.79	0.57	3276	18.41	10.50	0.57	3340	17.68	10.08	0.57	3372	16.79	9.57	0.57	3438

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K (Heating up to 3 indoor units series)

HEATING PERFORMANCE DATA

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	22.50	3997	25.88	4377	28.75	4608	31.25	4702	21.81	4155	24.24	4197	25.51	4239	28.04	4326
	61	22.24	4029	25.57	4413	28.41	4645	30.88	4740	21.55	4188	23.95	4231	25.21	4273	27.70	4361
	63	21.97	4061	25.27	4448	28.08	4682	30.52	4778	21.30	4222	23.67	4265	24.91	4308	27.37	4396
	64	21.71	4094	24.97	4484	27.74	4720	30.16	4817	21.05	4256	23.38	4299	24.62	4343	27.05	4431
	66	21.46	4127	24.67	4520	27.41	4758	29.80	4855	20.80	4290	23.11	4334	24.32	4378	26.73	4467
	68	21.24	4160	24.43	4557	27.14	4797	29.50	4895	20.59	4325	22.88	4369	24.08	4413	26.46	4503
	70	20.99	4206	24.14	4607	26.82	4849	29.15	4948	20.34	4373	22.60	4417	23.79	4461	26.15	4552
	72	20.74	4252	23.85	4658	26.50	4903	28.80	5003	20.10	4421	22.33	4465	23.51	4510	25.83	4602
	73	20.49	4299	23.56	4709	26.18	4957	28.45	5058	19.86	4469	22.06	4514	23.23	4560	25.52	4653
	75	20.24	4346	23.28	4761	25.86	5011	28.11	5114	19.62	4518	21.80	4564	22.95	4610	25.22	4704
	77	20.00	4394	23.00	4813	25.55	5066	27.78	5170	19.38	4568	21.54	4614	22.67	4661	24.91	4756
	79	19.76	4443	22.72	4866	25.25	5122	27.44	5227	19.15	4618	21.28	4665	22.40	4712	24.62	4808
	81	19.52	4492	22.45	4920	24.94	5178	27.11	5284	18.92	4669	21.02	4716	22.13	4764	24.32	4861
	82	19.29	4541	22.18	4974	24.64	5235	26.79	5342	18.70	4721	20.77	4768	21.87	4816	24.03	4915
	84	19.06	4591	21.91	5028	24.35	5293	26.47	5401	18.47	4773	20.52	4821	21.60	4869	23.74	4969
	86	18.83	4641	21.65	5084	24.06	5351	26.15	5460	18.25	4825	20.28	4874	21.34	4923	23.46	5023

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	30.47	4553	31.25	4610	32.91	4781	34.56	4924	35.59	5023	36.66	5123
	61	30.11	4590	30.88	4647	32.52	4820	34.15	4964	35.17	5063	36.23	5165
	63	29.76	4627	30.52	4684	32.14	4858	33.74	5004	34.75	5104	35.80	5206
	64	29.40	4664	30.16	4722	31.75	4898	33.34	5044	34.34	5145	35.37	5248
	66	29.05	4702	29.80	4760	31.38	4937	32.95	5085	33.94	5187	34.95	5291
	68	28.77	4740	29.50	4799	31.07	4977	32.62	5126	33.60	5229	34.61	5333
	70	28.42	4792	29.15	4851	30.69	5032	32.23	5183	33.20	5286	34.19	5392
	72	28.08	4845	28.80	4905	30.33	5087	31.84	5240	32.80	5344	33.78	5451
	73	27.74	4898	28.45	4959	29.96	5143	31.46	5297	32.40	5403	33.38	5511
	75	27.41	4952	28.11	5013	29.60	5199	31.08	5355	32.02	5463	32.98	5572
	77	27.08	5006	27.78	5068	29.25	5257	30.71	5414	31.63	5523	32.58	5633
	79	26.76	5061	27.44	5124	28.90	5315	30.34	5474	31.25	5583	32.19	5695
	81	26.43	5117	27.11	5181	28.55	5373	29.98	5534	30.88	5645	31.80	5758
	82	26.12	5173	26.79	5238	28.21	5432	29.62	5595	30.51	5707	31.42	5821
	84	25.80	5230	26.47	5295	27.87	5492	29.26	5657	30.14	5770	31.04	5885
	86	25.49	5288	26.15	5353	27.53	5552	28.91	5719	29.78	5833	30.67	5950

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	59	21.85	3806	25.13	4169	27.92	4388	30.34	4478	21.18	3957	23.53	3997	24.77	4037	27.22	4120
	61	21.59	3837	24.83	4203	27.59	4424	29.98	4514	20.93	3989	23.25	4029	24.48	4070	26.90	4153
	63	21.33	3868	24.53	4237	27.26	4460	29.63	4551	20.68	4021	22.98	4062	24.19	4103	26.58	4186
	64	21.08	3899	24.24	4271	26.94	4495	29.28	4587	20.43	4053	22.70	4094	23.90	4136	26.26	4220
	66	20.83	3931	23.95	4305	26.62	4532	28.93	4624	20.19	4086	22.43	4127	23.62	4169	25.95	4254
	68	20.62	3962	23.72	4340	26.35	4568	28.64	4662	19.99	4119	22.21	4161	23.38	4203	25.69	4288
	70	20.38	4006	23.43	4388	26.04	4619	28.30	4713	19.75	4164	21.95	4206	23.10	4249	25.39	4336
	72	20.13	4050	23.15	4436	25.72	4669	27.96	4765	19.51	4210	21.68	4253	22.82	4296	25.08	4383
	73	19.89	4094	22.87	4485	25.42	4721	27.63	4817	19.28	4256	21.42	4299	22.55	4343	24.78	4432
	75	19.65	4140	22.60	4534	25.11	4773	27.29	4870	19.05	4303	21.17	4347	22.28	4391	24.48	4480
	77	19.42	4185	22.33	4584	24.81	4825	26.97	4924	18.82	4351	20.91	4395	22.01	4439	24.19	4530
	79	19.18	4231	22.06	4634	24.51	4878	26.64	4978	18.59	4399	20.66	4443	21.75	4488	23.90	4579
	81	18.95	4278	21.80	4685	24.22	4932	26.32	5033	18.37	4447	20.41	4492	21.49	4537	23.61	4630
	82	18.73	4325	21.53	4737	23.93	4986	26.01	5088	18.15	4496	20.17	4541	21.23	4587	23.33	4681
	84	18.50	4372	21.28	4789	23.64	5041	25.70	5144	17.93	4545	19.93	4591	20.97	4638	23.05	4732
	86	18.28	4420	21.02	4842	23.36	5096	25.39	5200	17.72	4595	19.69	4642	20.72	4689	22.77	4784

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K (Heating up to 3 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
120%	59	29.59	4336	30.34	4390	31.95	4553	33.55	4690	34.56	4784	35.59	4879
	61	29.24	4371	29.98	4426	31.57	4590	33.15	4728	34.15	4822	35.17	4919
	63	28.89	4407	29.63	4461	31.20	4627	32.76	4766	33.74	4861	34.75	4958
	64	28.55	4442	29.28	4497	30.83	4664	32.37	4804	33.34	4900	34.34	4998
	66	28.21	4478	28.93	4534	30.46	4702	31.99	4843	32.95	4940	33.94	5039
	68	27.93	4514	28.64	4570	30.16	4740	31.67	4882	32.62	4980	33.60	5079
	70	27.59	4564	28.30	4620	29.80	4792	31.29	4936	32.23	5034	33.20	5135
	72	27.26	4614	27.96	4671	29.44	4845	30.92	4990	31.84	5090	32.80	5192
	73	26.93	4665	27.63	4723	29.09	4898	30.54	5045	31.46	5146	32.40	5249
	75	26.61	4716	27.29	4775	28.74	4952	30.18	5100	31.08	5202	32.02	5307
	77	26.29	4768	26.97	4827	28.40	5006	29.82	5157	30.71	5260	31.63	5365
	79	25.98	4820	26.64	4880	28.05	5061	29.46	5213	30.34	5318	31.25	5424
	81	25.67	4873	26.32	4934	27.72	5117	29.10	5271	29.98	5376	30.88	5484
	82	25.36	4927	26.01	4988	27.39	5173	28.75	5329	29.62	5435	30.51	5544
	84	25.05	4981	25.70	5043	27.06	5230	28.41	5387	29.26	5495	30.14	5605
	86	24.75	5036	25.39	5098	26.73	5288	28.07	5446	28.91	5555	29.78	5667

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	59	21.21	3732	23.86	3962	26.51	4171	29.46	4390	20.56	3879	22.85	3919	24.05	3958	26.43	4039
	61	20.96	3762	23.58	3994	26.20	4204	29.11	4426	20.32	3911	22.57	3950	23.76	3990	26.11	4071
	63	20.71	3792	23.30	4026	25.89	4238	28.77	4461	20.08	3942	22.31	3982	23.48	4022	25.80	4104
	64	20.47	3823	23.02	4059	25.58	4272	28.43	4497	19.84	3974	22.04	4014	23.20	4055	25.50	4137
	66	20.22	3854	22.75	4092	25.28	4307	28.09	4534	19.60	4006	21.78	4046	22.93	4087	25.20	4171
	68	20.02	3885	22.53	4125	25.03	4342	27.81	4570	19.41	4038	21.57	4079	22.70	4120	24.95	4204
	70	19.78	3927	22.26	4170	24.73	4389	27.48	4620	19.18	4083	21.31	4124	22.43	4166	24.65	4251
	72	19.55	3971	21.99	4216	24.43	4438	27.15	4671	18.95	4128	21.05	4169	22.16	4211	24.35	4297
	73	19.31	4014	21.72	4262	24.14	4486	26.82	4723	18.72	4173	20.80	4215	21.89	4258	24.06	4345
	75	19.08	4058	21.46	4309	23.85	4536	26.50	4775	18.49	4219	20.55	4262	21.63	4305	23.77	4392
	77	18.85	4103	21.21	4356	23.56	4586	26.18	4827	18.27	4265	20.30	4308	21.37	4352	23.48	4441
	79	18.62	4148	20.95	4404	23.28	4636	25.87	4880	18.05	4312	20.06	4356	21.11	4400	23.20	4490
	81	18.40	4194	20.70	4453	23.00	4687	25.56	4934	17.84	4360	19.82	4404	20.86	4448	22.92	4539
	82	18.18	4240	20.45	4502	22.72	4739	25.25	4988	17.62	4408	19.58	4452	20.61	4497	22.65	4589
	84	17.96	4287	20.21	4551	22.45	4791	24.95	5043	17.41	4456	19.35	4501	20.36	4547	22.38	4639
	86	17.75	4334	19.96	4601	22.18	4844	24.65	5098	17.20	4505	19.11	4551	20.12	4597	22.11	4690

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
110%	59	28.72	4251	29.46	4304	31.02	4464	32.57	4598	33.55	4690	34.56	4784
	61	28.38	4286	29.11	4339	30.65	4500	32.19	4635	33.15	4728	34.15	4822
	63	28.05	4320	28.77	4374	30.29	4536	31.81	4672	32.76	4766	33.74	4861
	64	27.71	4355	28.43	4409	29.93	4573	31.43	4710	32.37	4804	33.34	4900
	66	27.39	4390	28.09	4445	29.58	4610	31.06	4748	31.99	4843	32.95	4940
	68	27.11	4426	27.81	4481	29.28	4647	30.75	4786	31.67	4882	32.62	4980
	70	26.79	4474	27.48	4530	28.93	4698	30.38	4839	31.29	4936	32.23	5034
	72	26.47	4524	27.15	4580	28.59	4750	30.01	4892	30.92	4990	31.84	5090
	73	26.15	4573	26.82	4630	28.24	4802	29.65	4946	30.54	5045	31.46	5146
	75	25.84	4624	26.50	4681	27.90	4855	29.30	5000	30.18	5100	31.08	5202
	77	25.53	4674	26.18	4732	27.57	4908	28.95	5055	29.82	5157	30.71	5260
	79	25.22	4726	25.87	4784	27.24	4962	28.60	5111	29.46	5213	30.34	5318
	81	24.92	4778	25.56	4837	26.91	5017	28.26	5167	29.10	5271	29.98	5376
	82	24.62	4830	25.25	4890	26.59	5072	27.92	5224	28.75	5329	29.62	5435
	84	24.32	4884	24.95	4944	26.27	5128	27.58	5282	28.41	5387	29.26	5495
	86	24.03	4937	24.65	4998	25.95	5184	27.25	5340	28.07	5446	28.91	5555

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K (Heating up to 3 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	20.59	3623	23.17	3847	25.74	4049	28.60	4262	19.96	3766	22.18	3804	23.35	3843	25.66	3921
	61	20.35	3652	22.89	3878	25.44	4082	28.26	4297	19.73	3797	21.92	3835	23.07	3874	25.35	3953
	63	20.11	3682	22.62	3909	25.14	4115	27.93	4331	19.49	3827	21.66	3866	22.80	3905	25.05	3985
	64	19.87	3711	22.35	3941	24.84	4148	27.60	4366	19.26	3858	21.40	3897	22.53	3937	24.75	4017
	66	19.63	3741	22.09	3972	24.54	4181	27.27	4402	19.03	3889	21.15	3929	22.26	3968	24.46	4049
	68	19.44	3771	21.87	4004	24.30	4215	27.00	4437	18.84	3921	20.94	3960	22.04	4000	24.22	4082
	70	19.21	3813	21.61	4048	24.01	4262	26.68	4486	18.62	3964	20.69	4004	21.77	4044	23.93	4127
	72	18.98	3855	21.35	4093	23.72	4308	26.36	4535	18.39	4007	20.44	4048	21.51	4089	23.64	4172
	73	18.75	3897	21.09	4138	23.44	4356	26.04	4585	18.17	4051	20.19	4092	21.26	4134	23.36	4218
	75	18.52	3940	20.84	4184	23.15	4404	25.73	4635	17.96	4096	19.95	4137	21.00	4179	23.08	4265
	77	18.30	3983	20.59	4230	22.88	4452	25.42	4686	17.74	4141	19.71	4183	20.75	4225	22.80	4311
	79	18.08	4027	20.34	4276	22.60	4501	25.11	4738	17.53	4187	19.47	4229	20.50	4272	22.53	4359
	81	17.86	4072	20.10	4323	22.33	4551	24.81	4790	17.32	4233	19.24	4275	20.25	4319	22.26	4407
	82	17.65	4116	19.86	4371	22.06	4601	24.51	4843	17.11	4279	19.01	4322	20.01	4366	21.99	4455
	84	17.44	4162	19.62	4419	21.80	4651	24.22	4896	16.90	4326	18.78	4370	19.77	4414	21.73	4504
	86	17.23	4207	19.38	4467	21.54	4702	23.93	4950	16.70	4374	18.56	4418	19.53	4463	21.46	4554

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	27.89	4128	28.60	4179	30.12	4334	31.62	4464	32.57	4553	33.55	4644
	61	27.56	4161	28.26	4212	29.76	4369	31.25	4500	32.19	4590	33.15	4682
	63	27.23	4194	27.93	4246	29.41	4404	30.88	4536	31.81	4627	32.76	4720
	64	26.91	4228	27.60	4281	29.06	4440	30.51	4573	31.43	4664	32.37	4758
	66	26.59	4262	27.27	4315	28.72	4476	30.15	4610	31.06	4702	31.99	4796
	68	26.33	4297	27.00	4350	28.43	4512	29.85	4647	30.75	4740	31.67	4835
	70	26.01	4344	26.68	4398	28.09	4561	29.49	4698	30.38	4792	31.29	4888
	72	25.70	4392	26.36	4446	27.75	4611	29.14	4750	30.01	4845	30.92	4942
	73	25.39	4440	26.04	4495	27.42	4662	28.79	4802	29.65	4898	30.54	4996
	75	25.08	4489	25.73	4545	27.09	4713	28.45	4855	29.30	4952	30.18	5051
	77	24.78	4538	25.42	4595	26.77	4765	28.10	4908	28.95	5006	29.82	5107
	79	24.49	4588	25.11	4645	26.44	4818	27.77	4962	28.60	5061	29.46	5163
	81	24.19	4639	24.81	4696	26.13	4871	27.43	5017	28.26	5117	29.10	5219
	82	23.90	4690	24.51	4748	25.81	4924	27.10	5072	27.92	5173	28.75	5277
	84	23.61	4741	24.22	4800	25.50	4978	26.78	5128	27.58	5230	28.41	5335
	86	23.33	4793	23.93	4853	25.20	5033	26.46	5184	27.25	5288	28.07	5394

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	19.87	3558	22.36	3778	24.84	3976	27.60	4186	19.26	3699	21.40	3736	22.53	3774	24.76	3851
	61	19.64	3586	22.09	3808	24.55	4008	27.27	4219	19.04	3728	21.15	3766	22.26	3804	24.47	3882
	63	19.40	3615	21.83	3839	24.26	4041	26.95	4253	18.81	3758	20.90	3796	22.00	3835	24.17	3913
	64	19.17	3645	21.57	3870	23.97	4073	26.63	4288	18.59	3789	20.65	3827	21.74	3866	23.89	3945
	66	18.95	3674	21.32	3901	23.68	4106	26.32	4322	18.37	3819	20.41	3858	21.48	3897	23.61	3976
	68	18.76	3704	21.10	3932	23.45	4139	26.06	4357	18.18	3850	20.20	3889	21.27	3928	23.37	4008
	70	18.53	3744	20.85	3976	23.17	4185	25.74	4405	17.97	3892	19.96	3932	21.01	3971	23.09	4053
	72	18.31	3785	20.60	4019	22.89	4231	25.43	4454	17.75	3935	19.72	3975	20.76	4015	22.81	4097
	73	18.09	3827	20.35	4064	22.62	4277	25.13	4503	17.54	3979	19.49	4019	20.51	4059	22.54	4142
	75	17.88	3869	20.11	4108	22.34	4324	24.83	4552	17.33	4022	19.25	4063	20.27	4104	22.27	4188
	77	17.66	3912	19.87	4153	22.08	4372	24.53	4602	17.12	4067	19.02	4108	20.02	4149	22.00	4234
	79	17.45	3955	19.63	4199	21.81	4420	24.23	4653	16.91	4111	18.79	4153	19.78	4195	21.74	4280
	81	17.24	3998	19.39	4245	21.55	4469	23.94	4704	16.71	4157	18.57	4199	19.54	4241	21.48	4327
	82	17.03	4042	19.16	4292	21.29	4518	23.66	4756	16.51	4202	18.34	4245	19.31	4288	21.22	4375
	84	16.83	4087	18.93	4339	21.04	4568	23.37	4808	16.31	4248	18.12	4291	19.08	4335	20.97	4423
	86	16.63	4132	18.70	4387	20.78	4618	23.09	4861	16.12	4295	17.91	4339	18.85	4382	20.71	4472

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 27K (Heating up to 3 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	26.91	4053	27.60	4104	29.06	4256	30.52	4384	31.43	4471	32.38	4561
	61	26.59	4086	27.27	4137	28.72	4290	30.16	4419	31.06	4507	31.99	4598
	63	26.28	4119	26.95	4170	28.38	4325	29.80	4455	30.69	4544	31.61	4635
	64	25.97	4152	26.63	4204	28.04	4360	29.44	4491	30.33	4580	31.24	4672
	66	25.66	4186	26.32	4238	27.71	4395	29.10	4527	29.97	4617	30.87	4710
	68	25.40	4219	26.06	4272	27.44	4430	28.81	4563	29.67	4655	30.56	4748
	70	25.10	4266	25.74	4319	27.11	4479	28.46	4613	29.32	4706	30.20	4800
	72	24.80	4313	25.43	4366	26.78	4528	28.12	4664	28.96	4758	29.83	4853
	73	24.50	4360	25.13	4414	26.46	4578	27.78	4716	28.62	4810	29.48	4906
	75	24.21	4408	24.83	4463	26.14	4629	27.45	4767	28.27	4863	29.12	4960
	77	23.92	4457	24.53	4512	25.83	4679	27.12	4820	27.93	4916	28.77	5015
	79	23.63	4506	24.23	4561	25.52	4731	26.79	4873	27.60	4970	28.43	5070
	81	23.35	4555	23.94	4612	25.21	4783	26.47	4926	27.27	5025	28.09	5126
	82	23.06	4605	23.66	4662	24.91	4836	26.16	4981	26.94	5080	27.75	5182
	84	22.79	4656	23.37	4714	24.61	4889	25.84	5035	26.62	5136	27.42	5239
	86	22.51	4707	23.09	4766	24.32	4943	25.53	5091	26.30	5193	27.09	5297

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)													
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	19.28	3522	21.69	3740	24.10	3937	26.77	4144	18.69	3662	20.76	3699	21.85	3736	24.02	3812
	61	19.05	3551	21.43	3770	23.81	3968	26.46	4177	18.46	3691	20.52	3728	21.60	3766	23.73	3843
	63	18.82	3579	21.18	3800	23.53	4000	26.14	4211	18.25	3721	20.27	3758	21.34	3796	23.45	3874
	64	18.60	3608	20.92	3831	23.25	4033	25.83	4245	18.03	3751	20.03	3789	21.09	3827	23.17	3905
	66	18.38	3637	20.68	3862	22.97	4065	25.53	4279	17.81	3781	19.79	3819	20.84	3858	22.90	3937
	68	18.20	3667	20.47	3893	22.75	4098	25.27	4314	17.64	3812	19.60	3850	20.63	3889	22.67	3968
	70	17.98	3707	20.23	3936	22.47	4143	24.97	4361	17.43	3854	19.36	3892	20.38	3932	22.40	4012
	72	17.76	3748	19.98	3979	22.20	4189	24.67	4409	17.22	3896	19.13	3935	20.14	3975	22.13	4056
	73	17.55	3789	19.74	4023	21.94	4235	24.37	4457	17.01	3939	18.90	3979	19.90	4019	21.86	4101
	75	17.34	3831	19.51	4067	21.67	4281	24.08	4507	16.81	3982	18.67	4022	19.66	4063	21.60	4146
	77	17.13	3873	19.27	4112	21.41	4328	23.79	4556	16.61	4026	18.45	4067	19.42	4108	21.34	4191
	79	16.93	3915	19.04	4157	21.16	4376	23.51	4606	16.41	4070	18.23	4111	19.19	4153	21.09	4238
	81	16.72	3958	18.81	4203	20.90	4424	23.23	4657	16.21	4115	18.01	4157	18.96	4199	20.83	4284
	82	16.52	4002	18.59	4249	20.65	4473	22.95	4708	16.01	4160	17.79	4202	18.73	4245	20.58	4331
	84	16.32	4046	18.36	4296	20.40	4522	22.67	4760	15.82	4206	17.58	4248	18.51	4291	20.34	4379
	86	16.13	4090	18.14	4343	20.16	4572	22.40	4812	15.63	4252	17.37	4295	18.28	4339	20.09	4427

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	26.10	4013	26.77	4063	28.19	4213	29.60	4340	30.49	4427	31.40	4515
	61	25.79	4045	26.46	4095	27.86	4247	29.25	4375	30.13	4462	31.03	4552
	63	25.49	4078	26.14	4128	27.53	4282	28.90	4410	29.77	4498	30.66	4588
	64	25.19	4111	25.83	4162	27.20	4316	28.56	4446	29.42	4535	30.30	4625
	66	24.89	4144	25.53	4195	26.88	4351	28.22	4482	29.07	4571	29.94	4663
	68	24.64	4177	25.27	4229	26.61	4386	27.94	4518	28.78	4608	29.65	4700
	70	24.35	4223	24.97	4276	26.29	4434	27.61	4567	28.44	4659	29.29	4752
	72	24.05	4270	24.67	4323	25.98	4483	27.28	4618	28.10	4710	28.94	4804
	73	23.77	4317	24.37	4370	25.67	4532	26.95	4668	27.76	4762	28.59	4857
	75	23.48	4364	24.08	4418	25.36	4582	26.63	4720	27.42	4814	28.25	4910
	77	23.20	4412	23.79	4467	25.05	4633	26.31	4772	27.10	4867	27.91	4964
	79	22.92	4461	23.51	4516	24.75	4684	25.99	4824	26.77	4921	27.57	5019
	81	22.64	4510	23.23	4566	24.46	4735	25.68	4877	26.45	4975	27.24	5074
	82	22.37	4559	22.95	4616	24.16	4787	25.37	4931	26.13	5029	26.92	5130
	84	22.10	4609	22.67	4667	23.87	4840	25.07	4985	25.82	5085	26.59	5187
	86	21.84	4660	22.40	4718	23.59	4893	24.77	5040	25.51	5141	26.27	5244

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																			
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	36.94	22.53	0.61	3122	36.57	22.31	0.61	3150	36.18	22.07	0.61	3179	35.71	21.78	0.61	3205	35.36	21.57	0.61	3221	34.97	21.33	0.61	3328	34.49	21.04	0.61	3474	33.88	20.67	0.61	3708	33.09	20.18	0.61	3879	32.12	19.60	0.61	4024	29.55	18.03	0.61	4226	29.26	17.85	0.61	4268	24.14	14.72	0.61	4431
	70	68	38.46	18.85	0.49	3145	38.08	18.66	0.49	3174	37.67	18.46	0.49	3202	37.19	18.22	0.49	3228	36.82	18.04	0.49	3244	36.42	17.84	0.49	3351	35.91	17.60	0.49	3497	35.28	17.29	0.49	3732	34.45	16.88	0.49	3903	33.45	16.39	0.49	4048	30.77	15.08	0.49	4250	30.46	14.93	0.49	4292	25.13	12.32	0.49	4454
	72	64	38.08	24.75	0.65	3153	37.71	24.51	0.65	3182	37.30	24.24	0.65	3211	36.82	23.93	0.65	3237	36.45	23.69	0.65	3253	36.06	23.44	0.65	3361	35.56	23.11	0.65	3509	34.93	22.70	0.65	3745	34.11	22.17	0.65	3918	33.12	21.53	0.65	4065	30.47	19.80	0.65	4269	30.16	19.61	0.65	4312	24.88	16.18	0.65	4476
	72	68	39.25	20.80	0.53	3177	38.86	20.60	0.53	3206	38.44	20.37	0.53	3235	37.94	20.11	0.53	3261	37.57	19.91	0.53	3277	37.16	19.69	0.53	3385	36.65	19.42	0.53	3533	36.00	19.08	0.53	3769	35.16	18.63	0.53	3942	34.13	18.09	0.53	4089	31.40	16.64	0.53	4293	31.09	16.48	0.53	4335	25.65	13.59	0.53	4499
	72	72	39.92	16.37	0.41	3193	39.52	16.20	0.41	3222	39.09	16.03	0.41	3251	38.59	15.82	0.41	3277	38.21	15.66	0.41	3293	37.79	15.49	0.41	3401	37.27	15.28	0.41	3549	36.61	15.01	0.41	3785	35.75	14.66	0.41	3958	34.71	14.23	0.41	4105	31.93	13.09	0.41	4309	31.62	12.96	0.41	4351	26.08	10.69	0.41	4516
	73	64	38.86	26.81	0.69	3185	38.48	26.55	0.69	3214	38.06	26.26	0.69	3243	37.57	25.92	0.69	3270	37.20	25.67	0.69	3286	36.79	25.39	0.69	3395	36.28	25.04	0.69	3544	35.64	24.59	0.69	3783	34.81	24.02	0.69	3958	33.79	23.32	0.69	4106	31.09	21.45	0.69	4312	30.78	21.24	0.69	4355	25.39	17.52	0.69	4521
	73	68	40.05	22.83	0.57	3209	39.65	22.60	0.57	3238	39.22	22.36	0.57	3267	38.72	22.07	0.57	3294	38.34	21.85	0.57	3310	37.92	21.61	0.57	3419	37.39	21.31	0.57	3568	36.73	20.94	0.57	3807	35.87	20.45	0.57	3982	34.83	19.85	0.57	4130	32.04	18.26	0.57	4336	31.72	18.08	0.57	4379	26.17	14.92	0.57	4545
	73	72	40.73	18.33	0.45	3226	40.33	18.15	0.45	3255	39.89	17.95	0.45	3284	39.38	17.72	0.45	3310	38.99	17.54	0.45	3327	38.56	17.35	0.45	3435	38.03	17.11	0.45	3585	37.36	16.81	0.45	3824	36.48	16.42	0.45	3998	35.42	15.94	0.45	4146	32.59	14.66	0.45	4352	32.26	14.52	0.45	4395	26.61	11.98	0.45	4561
	75	64	39.65	28.95	0.73	3217	39.26	28.66	0.73	3247	38.83	28.35	0.73	3276	38.34	27.98	0.73	3303	37.96	27.71	0.73	3319	37.54	27.41	0.73	3429	37.02	27.03	0.73	3580	36.37	26.55	0.73	3822	35.52	25.93	0.73	3998	34.48	25.17	0.73	4148	31.72	23.16	0.73	4355	31.41	22.93	0.73	4399	25.91	18.91	0.73	4567
	75	68	40.87	24.93	0.61	3242	40.46	24.68	0.61	3271	40.02	24.41	0.61	3300	39.51	24.10	0.61	3327	39.12	23.86	0.61	3344	38.69	23.60	0.61	3454	38.16	23.28	0.61	3604	37.48	22.86	0.61	3846	36.60	22.33	0.61	4022	35.54	21.68	0.61	4172	32.70	19.94	0.61	4380	32.37	19.74	0.61	4423	26.70	16.29	0.61	4591
	75	72	41.56	20.37	0.49	3258	41.15	20.16	0.49	3287	40.70	19.94	0.49	3317	40.18	19.69	0.49	3343	39.78	19.49	0.49	3360	39.35	19.28	0.49	3470	38.81	19.02	0.49	3621	38.12	18.68	0.49	3862	37.23	18.24	0.49	4039	36.14	17.71	0.49	4188	33.25	16.29	0.49	4396	32.92	16.13	0.49	4440	27.16	13.31	0.49	4607
	75	75	42.14	15.59	0.37	3277	41.73	15.44	0.37	3307	41.27	15.27	0.37	3336	40.74	15.07	0.37	3363	40.34	14.93	0.37	3380	39.90	14.76	0.37	3490	39.35	14.56	0.37	3640	38.65	14.30	0.37	3882	37.75	13.97	0.37	4058	36.65	13.56	0.37	4208	33.72	12.48	0.37	4416	33.38	12.35	0.37	4459	27.54	10.19	0.37	4627
	77	64	40.88	31.48	0.77	3250	40.48	31.17	0.77	3279	40.03	30.83	0.77	3309	39.52	30.43	0.77	3336	39.13	30.13	0.77	3353	38.70	29.80	0.77	3464	38.17	29.39	0.77	3616	37.49	28.87	0.77	3860	36.62	28.19	0.77	4038	35.55	27.37	0.77	4189	32.71	25.18	0.77	4399	32.38	24.93	0.77	4443	26.71	20.57	0.77	4613
	77	68	42.13	27.39	0.65	3274	41.71	27.11	0.65	3304	41.26	26.82	0.65	3334	40.73	26.48	0.65	3361	40.33	26.21	0.65	3377	39.89	25.93	0.65	3489	39.34	25.57	0.65	3641	38.64	25.12	0.65	3885	37.74	24.53	0.65	4063	36.64	23.81	0.65	4214	33.71	21.91	0.65	4424	33.37	21.69	0.65	4468	27.53	17.89	0.65	4637
	77	72	42.85	22.71	0.53	3291	42.42	22.48	0.53	3321	41.96	22.24	0.53	3350	41.42	21.95	0.53	3377	41.01	21.74	0.53	3394	40.57	21.50	0.53	3505	40.01	21.20	0.53	3658	39.30	20.83	0.53	3901	38.38	20.34	0.53	4079	37.26	19.75	0.53	4231	34.28	18.17	0.53	4441	33.94	17.99	0.53	4485	28.00	14.84	0.53	4654
	77	75	43.45	17.81	0.41	3311	43.02	17.64	0.41	3340	42.55	17.45	0.41	3370	42.00	17.22	0.41	3397	41.59	17.05	0.41	3414	41.13	16.87	0.41	3525	40.57	16.63	0.41	3677	39.85	16.34	0.41	3921	38.92	15.96	0.41	4099	37.78	15.49	0.41	4250	34.76	14.25	0.41	4460	34.41	14.11	0.41	4504	28.39	11.64	0.41	4673
	79	64	42.14	34.14	0.81	3283	41.73	33.80	0.81	3313	41.27	33.43	0.81	3343	40.74	33.00	0.81	3370	40.34	32.68	0.81	3387	39.90	32.32	0.81	3499	39.35	31.87	0.81	3653	38.65	31.31	0.81	3899	37.75	30.58	0.81	4079	36.65	29.69	0.81	4232	33.72	27.31	0.81	4444	33.38	27.04	0.81	4488	27.54	22.31	0.81	4659
	79	68	43.43	29.97	0.69	3307	43.00	29.67	0.69	3337	42.54	29.35	0.69	3367	41.99	28.97	0.69	3395	41.57	28.69	0.69	3411	41.12	28.37	0.69	3524	40.55	27.98	0.69	3678	39.84	27.49	0.69	3924	38.90	26.84	0.69	4104	37.77	26.06	0.69	4257	34.75	23.98	0.69	4469	34.40	23.74	0.69	4513	28.38	19.58	0.69	4684
	79	72	44.17	25.18	0.57	3324	43.74	24.93	0.57	3354	43.26	24.66	0.57	3384	42.70	24.34	0.57	3411	42.28	24.10	0.57	3428	41.82	23.84	0.57	3541	41.24	23.51	0.57	3694	40.51	23.09	0.57	3941	39.57	22.55	0.57	4121	38.41	21.90	0.57	4273	35.34	20.14	0.57	4485	34.99	19.94	0.57	4530	28.86	16.45	0.57	4701
	79	75	44.79	20.16	0.45	3344	44.35	19.96	0.45	3374	43.87	19.74	0.45	3404	43.30	19.49	0.45	3431	42.87	19.29	0.45	3448	42.41	19.08	0.45	3560	41.82	18.82	0.45	3714	41.08	18.49	0.45	3961	40.12	18.05	0.45	4140	38.95	17.53	0.45	4293	35.83	16.13	0.45	4505	35.48	15.96	0.45	4550	29.27	13.17	0.45	4721
	79	79	45.51	15.02	0.33	3367	45.06	14.87	0.33	3397	44.57	14.71	0.33	3427	44.00	14.52	0.33	3454	43.56	14.37	0.33	3471	43.09	14.22	0.33	3583	42.49	14.02	0.33	3737	41.74	13.77	0.33	3983	40.76	13.45	0.33	4163	39.57	13.06	0.33	4316	36.41	12.01	0.33	4528	36.04	11.89	0.33	4573	29.74	9.81	0.33	4743
	81	64	43.00	36.55	0.85	3316	42.58	36.19	0.85	3346	42.12	35.80	0.85	3376	41.57	35.34	0.85	3404	41.16	34.99	0.85	3421	40.72	34.61	0.85	3534	40.15	34.13	0.85	3690	39.44	33.53	0.85	3939	38.52	32.74	0.85	4120	37.40	31.79	0.85	4275	34.41	29.24	0.85	4489	34.06	28.95	0.85	4534	28.10	23.89	0.85	4706
	81	66	43.88	34.67	0.79	3326	43.45	34.32	0.79	3356	42.97	33.95	0.79	3386	42.42	33.51	0.79	3414	42.00	33.18	0.79	3431	41.55	32.82	0.79	3544	40.97	32.37	0.79	3700	40.25	31.80	0.79	3949	39.30	31.05	0.79	4130	38.16	30.15	0.79	4285	35.11	27.73	0.79	4499	34.76	27.46	0.79	4544	28.67	22.65	0.79	4716
	81	68	44.32	32.35	0.73	3341	43.88	32.03	0.73	3371	43.40	31.69	0.73	3401	42.85	31.28	0.73	3429	42.42	30.97	0.73	3446	41.96	30.63	0.73	3559	41.38	30.21	0.73	3715	40.65	29.67	0.73	3964	39.70	28.98	0.73	4145	38.54	28.14	0.73	4300	35.46	25.88	0.73	4514	35.10	25.63	0.73	4559	28.96	21.14	0.73	4731
	81	72	45.07	27.50	0.61	3358	44.63	27.22	0.61	3388	44.14	26.93	0.61	3418	43.58	26.58	0.61	3446	43.14	26.32	0.61	3463	42.68	26.03	0.61	3576	42.09	25.67	0.61	3732	41.34	25.22	0.61	3981	40.37	24.63	0.61	4162	39.20	23.91	0.61	4317	36.06	22.00	0.61	4531	35.70	21.78	0.61	4576	29.45	17.97	0.61	4748
	81	75	45.71	22.40	0.49	3378	45.25	22.17	0.49	3408	44.76	21.93	0.49	3438	44.19	21.65	0.49	3466	43.75	21.44	0.49	3483	43.27	21.20	0.49	3596	42.68	20.91	0.49	3752	41.92	20.54	0.49	4001	40.94	20.06	0.49	4182	39.75	19.48	0.49	4337	36.57	17.92	0.49	4551	36.20	17.74	0.49	4596	29.87	14.63	0.49	4768
	81	79	46.44	17.18	0.37	3401	45.98	17.01	0.37	3431	45.48	16.83	0.37	3461	44.89	16.61	0.37	3489	44.45	16.45	0.37	3506	43.96	16.27	0.37	3619	43.36	16.04	0.37	3775	42.59	15.76	0.37	4024	41.59	15.39	0.37	4205	40.38	14.94	0.37	4360	37.15	13.75	0.37	4574	36.78	13.61	0.37	4619	30.34	11.23	0.37	4791
	82	64	43.43	38.66	0.89	3349	43.00	38.27	0.89	3379	42.54	37.86	0.89	3410	41.99	37.37	0.89	3438	41.57	37.00	0.89	3455	41.12	36.60	0.89	3570	40.55	36.09	0.89	3727	39.84	35.46	0.89	3978	38.90	34.62	0.89	4161	37.77	33.62	0.89	4317	34.75	30.93	0.89	4534	34.40	30.62	0.89	4579	28.38	25.26	0.89	4753
	82	68	44.32	34.13	0.77	3374	43.88	33.79	0.77	3405	43.40	33.42	0.77	3436	42.85	32.99	0.77	3463	42.42	32.67	0.77	3480	41.96	32.31	0.77	3595	41.38	31.86	0.77	3752	40.65	31.30	0.77	4003	39.70	30.57	0.77	4187	38.54	29.68	0.77	4342	35.46	27.30	0.77	4559	35.10	27.03	0.77	4604	28.96	22.30	0.77	4779
	82	72	44.76	29.10	0.65	3391	44.32	28.81	0.65	3422	43.84	28.50	0.65	3453	43.28	28.13	0.65	3480	42.85	27.85	0.65	3498	42.38	27.55	0.65	3612	41.80	27.17	0.65	3769	41.06	26.69	0.65	4020	40.09	26.06	0.65	4204	38.93	25.30	0.65	4360	35.81	23.28	0.65	4576	35.45	23.05	0.65	4621	29.25	19.01	0.65	4796
	82	75	45.52	24.13	0.53	3412	45.07	23.89	0.53	3442	44.58	23.63	0.53	3473	44.01	23.33	0.53	3500	43.58	23.10	0.53	3518	43.10	22.84	0.53	3632	42.51	22.53	0.53	3789	41.76	22.13	0.53	4041	40.78	21.61	0.53	4224	39.59	20.98	0.53	4380	36.42	19.30	0.53	4596	36.06	19.11	0.53	4642	29.75	15.77	0.53	4816
	82	79	46.16	18.93	0.41	3435	45.71	18.74	0.41	3465	45.21	18.54	0.41	3496	44.63	18.30	0.41	3524	44.19	18.12	0.41	3541	43.71	17.92	0.41	3656	43.10	17.67	0.41	3813	42.34	17.36	0.41	4064	41.35	16.95	0.41	4247	40.14	16.46	0.41	4403	36.93	15.14	0.41	4619	36.56	14.99	0.41	4665	30.16	12.37	0.41	4839
	84	64	43.87	39.92	0.91	3382	43.43	39.53	0.91	3413	42.96	39.10	0.91	3444	42.41	38.59	0.91	3472	41.99	38.21	0.91	3490	41.53	37.80	0.91	3605	40.96	37.27	0.91	3764	40.24	36.61	0.91	4018	39.29	35.76	0.91	4203	38.15	34.72	0.91	4360	35.10	31.94	0.91	4579	34.75	31.62	0.91	4625	28.67	26.09	0.91	4801
	84	68	44.76	36.26	0.81	3408	44.32	35.90	0.81	3439	43.84	35.51	0.81	3470	43.28	35.05	0.81	3498	42.85	34.71	0.81	3515	42.38	34.33	0.81	3631	41.80	33.85	0.81	3789	41.06	33.26	0.81	4043	40.09	32.48	0.81	4229	38.93	31.53	0.81	4386	35.81	29.01	0.81	4604	35.45	28.72	0.81	4650	29.25	23.69	0.81	4826
	84	72	45.66	31.50	0.69	3425	45.21	31.19	0.69	3456	44.72	30.85	0.69	3487	44.14	30.46	0.69	3515	43.70	30.16	0.69	3533	43.23	29.83	0.69	3648	42.63	29.42	0.69	3807	41.88	28.90	0.69	4061	40.90	28.22	0.69	4246	39.71	27.40	0.69	4403	36.53	25.21	0.69	4622	36.16	24.95	0.69	4668	29.84	20.59	0.69	4844
	84	75	45.98	26.21	0.57	3446	45.52	25.95	0.57	3477	45.03	25.67	0.57	3508	44.45	25.34	0.57	3535	44.01	25.09	0.57	3553	43.53	24.81	0.57	3669	42.93	24.47	0.57	3827	42.17	24.04	0.57	4081	41.18	23.47	0.57	4266	39.98	22.79	0.57	4424	36.79	20.97	0.57	4642	36.42	20.76	0.57	4688	30.04	17.13	0.57	4864
	84	79	46.62	20.98	0.45	3469	46.16	20.77	0.45	3500	45.66	20.55	0.45	3531	45.07	20.28	0.45	3559	44.63	20.08	0.45	3576	44.14	19.86	0.45	3692	43.53	19.59	0.45	3851	42.76	19.24	0.45	4104	41.76	18.79	0.45	4290	40.54	18.25	0.45	4447	37.30	16.79	0.45	4666	36.93	16.62	0.45	4712	30.47	13.71	0.45	4888
	86	64	44.31	40.32	0.91	3416	43.87	39.92	0.91	3447	43.39	39.49	0.91	3479	42.83	38.98	0.91	3507	42.41	38.59	0.91	3525	41.95	38.17	0.91	3641	41.37	37.65	0.91	3802	40.64	36.98	0.91	4058	39.69	36.11	0.91	4245	38.53	35.06	0.91	4404	35.45	32.26	0.91	4625	35.09	31.93	0.91	4671	28.95	26.35	0.91	4849
	86	68	45.21	38.43	0.85	3442	44.76	38.05	0.85	3473	44.28	37.64	0.85	3505	43.71	37.15	0.85	3533	43.28	36.78	0.85	3550	42.81	36.38	0.85	3667	42.21	35.88	0.85	3827	41.47	35.25	0.85	4084	40.50	34.42	0.85	4271	39.32	33.42	0.85	4430	36.17	30.75	0.85	4650	35.81	30.44	0.85	4697	29.54	25.11	0.85	4875
	86	72	46.12	33.66	0.73	3460	45.66	33.33	0.73	3491	45.16	32.97	0.73	3522	44.58	32.55	0.73	3550	44.14	32.22	0.73	3568	43.66	31.87	0.73	3685	43.06	31.43	0.73	3845	42.30	30.88	0.73	4101	41.31	30.15	0.73	4288	40.10	29.27	0.73	4447	36.89	26.93	0.73	4668	36.53	26.66	0.73	4714	30.13	22.00	0.73	4892
	86	75	46.44	28.33	0.61	3480	45.98	28.05	0.61	3511	45.48	27.74	0.61	3543	44.90	27.39	0.61	3571	44.45	27.12	0.61	3588	43.97	26.82	0.61	3705	43.36	26.45	0.61	3865	42.59	25.98	0.61	4122	41.60	25.37	0.61	4309	40.38	24.63	0.61	4468	37.15	22.66	0.61	4689	36.78	22.44	0.61	4735	30.35	18.51	0.61	4913
	86	79	47.09	23.07	0.49	3504	46.62	22.85	0.49	3535	46.12	22.60	0.49	3566	45.52	22.31	0.49	3595	45.07	22.09	0.49	3612	44.58	21.85	0.49	3729	43.97	21.54	0.49	3889	43.19	21.16	0.49	4145	42.18	20.67	0.49	4333	40.95	20.07	0.49	4492	37.67	18.46	0.49	4712	37.30	18.28	0.49	4759	30.77	15.08	0.49	4937
	88	64	44.75	40.72	0.91	3450	44.31	40.32	0.91	3482	43.83	39.88	0.91	3514	43.26	39.37	0.91	3542	42.83	38.98	0.91	3560	42.37	38.56	0.91	3678	41.78	38.02	0.91	3840	41.04	37.35	0.91	4098	40.08	36.48	0.91	4288	38.92	35.41	0.91	4448	35.80	32.58	0.91	4671	35.44	32.25	0.91	4718	29.24	26.61	0.91	4897
	88	68	45.66	40.64	0.89	3476	45.21	40.24	0.89	3508	44.72	39.80	0.89	3540	44.15	39.29	0.89	3568	43.71	38.90	0.89	3586	43.23	38.48	0.89	3704	42.64	37.95	0.89	3866	41.88	37.28	0.89	4124	40.90	36.40	0.89	4314	39.71	35.34	0.89	4474	36.53	32.51	0.89	4697	36.17	32.19	0.89	4744	29.84	26.56	0.89	4923
	88	72	46.58	35.86	0.77	3494	46.12	35.51	0.77	3526	45.61	35.12	0.77	3557	45.03	34.67	0.77	3586	44.58	34.33	0.77	3604	44.10	33.96	0.77	3722	43.49	33.49	0.77	3883	42.72	32.89	0.77	4142	41.72	32.12	0.77	4331	40.50	31.19	0.77	4492	37.26	28.69	0.77	4715	36.89	28.41	0.77	4762	30.43	23.43	0.77	4941
	88	75	46.90	30.49	0.65	3515	46.44	30.19	0.65	3546	45.93	29.86	0.65	3578	45.35	29.47	0.65	3607	44.90	29.18	0.65	3624	44.41	28.87	0.65	3742	43.79	28.47	0.65	3904	43.02	27.96	0.65	4163	42.01	27.31	0.65	4352	40.79	26.51	0.65	4513	37.53	24.39	0.65	4736	37.15	24.15	0.65	4782	30.65	19.92	0.65	4962
	88	79	47.56	25.21	0.53	3539	47.09	24.96	0.53	3570	46.58	24.69	0.53	3602	45.98	24.37	0.53	3630	45.52	24.13	0.53	3648	45.03	23.87	0.53	3766	44.41	23.54	0.53	3928	43.62	23.12	0.53	4187	42.60	22.58	0.53	4376	41.36	21.92	0.53	4537	38.05	20.17	0.53	4759	37.67	19.97	0.53	4806	31.08	16.47	0.53	4986
	90	64	45.20	41.13	0.91	3485	44.75	40.72	0.91	3517	44.26	40.28	0.91	3549	43.70	39.76	0.91	3577	43.26	39.37	0.91	3595	42.79	38.94	0.91	3715	42.20	38.40	0.91	3878	41.46	37.72	0.91	4139	40.48	36.84	0.91	4330	39.30	35.77	0.91	4493	36.16	32.91	0.91	4718	35.80	32.58	0.91	4765	29.53	26.88	0.91	4946
	90	68	46.12	41.97	0.91	3511	45.66	41.55	0.91	3543	45.17	41.10	0.91	3575	44.59	40.57	0.91	3604	44.15	40.17	0.91	3622	43.67	39.74	0.91	3741	43.06	39.19	0.91	3904	42.30	38.49	0.91	4166	41.31	37.59	0.91	4357	40.11	36.50	0.91	4519	36.90	33.58	0.91	4744	36.53	33.24	0.91	4791	30.14	27.42	0.91	4973
	90	72	47.04	38.10	0.81	3529	46.58	37.73	0.81	3561	46.07	37.32	0.81	3593	45.48	36.84	0.81	3622	45.03	36.47	0.81	3640	44.54	36.08	0.81	3759	43.92	35.58	0.81	3922	43.15	34.95	0.81	4184	42.14	34.13	0.81	4375	40.91	33.14	0.81	4537	37.64	30.49	0.81	4762	37.26	30.18	0.81	4809	30.74	24.90	0.81	4991
	90	75	47.37	32.69	0.69	3550	46.90	32.36	0.69	3582	46.39	32.01	0.69	3614	45.80	31.60	0.69	3643	45.35	31.29	0.69	3661	44.85	30.95	0.69	3780	44.23	30.52	0.69	3943	43.45	29.98	0.69	4205	42.43	29.28	0.69	4396	41.20	28.43	0.69	4558	37.90	26.15	0.69	4783	37.52	25.89	0.69	4830	30.96	21.36	0.69	5012
	90	79	48.04	27.38	0.57	3574	47.56	27.11	0.57	3606	47.04	26.81	0.57	3638	46.44	26.47	0.57	3667	45.98	26.21	0.57	3685	45.48	25.92	0.57	3804	44.85	25.57	0.57	3967	44.06	25.11	0.57	4229	43.03	24.52	0.57	4420	41.77	23.81	0.57	4582	38.43	21.91	0.57	4807	38.05	21.69	0.57	4854	31.39	17.89	0.57	5036

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	23.41	14.28	0.61	4462	20.84	12.71	0.61	4551	20.00	12.20	0.61	4597	19.00	11.59	0.61	4689
	70	68	24.38	11.95	0.49	4486	21.70	10.63	0.49	4575	20.83	10.21	0.49	4621	19.79	9.70	0.49	4713
	72	64	24.14	15.69	0.65	4507	21.48	13.96	0.65	4597	20.62	13.41	0.65	4644	19.59	12.74	0.65	4737
	72	68	24.88	13.18	0.53	4531	22.14	11.73	0.53	4621	21.26	11.27	0.53	4667	20.19	10.70	0.53	4760
	72	72	25.30	10.37	0.41	4547	22.52	9.23	0.41	4637	21.62	8.86	0.41	4683	20.54	8.42	0.41	4777
	73	64	24.63	17.00	0.69	4553	21.92	15.13	0.69	4644	21.04	14.52	0.69	4690	19.99	13.79	0.69	4784
	73	68	25.38	14.47	0.57	4577	22.59	12.88	0.57	4668	21.69	12.36	0.57	4714	20.60	11.74	0.57	4808
	73	72	25.82	11.62	0.45	4593	22.98	10.34	0.45	4684	22.06	9.93	0.45	4731	20.95	9.43	0.45	4825
	75	64	25.13	18.35	0.73	4599	22.37	16.33	0.73	4691	21.47	15.68	0.73	4738	20.40	14.89	0.73	4833
	75	68	25.90	15.80	0.61	4623	23.05	14.06	0.61	4715	22.13	13.50	0.61	4762	21.02	12.83	0.61	4857
	75	72	26.34	12.91	0.49	4639	23.45	11.49	0.49	4732	22.51	11.03	0.49	4779	21.38	10.48	0.49	4873
	75	75	26.71	9.88	0.37	4659	23.77	8.80	0.37	4751	22.82	8.44	0.37	4798	21.68	8.02	0.37	4893
	77	64	25.91	19.95	0.77	4645	23.06	17.76	0.77	4738	22.14	17.05	0.77	4786	21.03	16.19	0.77	4882
	77	68	26.70	17.36	0.65	4670	23.77	15.45	0.65	4763	22.82	14.83	0.65	4810	21.68	14.09	0.65	4906
	77	72	27.16	14.39	0.53	4686	24.17	12.81	0.53	4779	23.20	12.30	0.53	4827	22.04	11.68	0.53	4923
	77	75	27.54	11.29	0.41	4706	24.51	10.05	0.41	4799	23.53	9.65	0.41	4846	22.35	9.16	0.41	4942
	79	64	26.71	21.64	0.81	4692	23.77	19.26	0.81	4786	22.82	18.49	0.81	4834	21.68	17.56	0.81	4931
	79	68	27.53	19.00	0.69	4717	24.50	16.91	0.69	4811	23.52	16.23	0.69	4859	22.35	15.42	0.69	4956
	79	72	28.00	15.96	0.57	4734	24.92	14.20	0.57	4828	23.92	13.64	0.57	4876	22.73	12.95	0.57	4972
	79	75	28.39	12.78	0.45	4753	25.27	11.37	0.45	4847	24.26	10.92	0.45	4895	23.04	10.37	0.45	4992
	79	79	28.84	9.52	0.33	4776	25.67	8.47	0.33	4870	24.64	8.13	0.33	4918	23.41	7.73	0.33	5015
	81	64	27.26	23.17	0.85	4739	24.26	20.62	0.85	4834	23.29	19.80	0.85	4883	22.12	18.81	0.85	4981
	81	66	27.81	21.97	0.79	4749	24.75	19.56	0.79	4844	23.76	18.77	0.79	4893	22.58	17.83	0.79	4991
	81	68	28.09	20.51	0.73	4764	25.00	18.25	0.73	4859	24.00	17.52	0.73	4908	22.80	16.65	0.73	5006
	81	72	28.57	17.43	0.61	4781	25.43	15.51	0.61	4876	24.41	14.89	0.61	4925	23.19	14.15	0.61	5023
	81	75	28.97	14.19	0.49	4801	25.78	12.63	0.49	4896	24.75	12.13	0.49	4945	23.51	11.52	0.49	5043
	81	79	29.43	10.89	0.37	4824	26.20	9.69	0.37	4919	25.15	9.30	0.37	4968	23.89	8.84	0.37	5066
	82	64	27.53	24.50	0.89	4787	24.50	21.81	0.89	4883	23.52	20.93	0.89	4932	22.35	19.89	0.89	5030
	82	68	28.09	21.63	0.77	4812	25.00	19.25	0.77	4908	24.00	18.48	0.77	4957	22.80	17.56	0.77	5056
	82	72	28.37	18.44	0.65	4829	25.25	16.41	0.65	4925	24.24	15.76	0.65	4974	23.03	14.97	0.65	5073
	82	75	28.85	15.29	0.53	4849	25.68	13.61	0.53	4945	24.65	13.07	0.53	4994	23.42	12.41	0.53	5093
	82	79	29.26	12.00	0.41	4873	26.04	10.68	0.41	4969	25.00	10.25	0.41	5017	23.75	9.74	0.41	5116
	84	64	27.81	25.30	0.91	4835	24.75	22.52	0.91	4932	23.76	21.62	0.91	4981	22.57	20.54	0.91	5081
	84	68	28.37	22.98	0.81	4860	25.25	20.45	0.81	4957	24.24	19.64	0.81	5006	23.03	18.65	0.81	5106
	84	72	28.94	19.97	0.69	4877	25.76	17.77	0.69	4974	24.73	17.06	0.69	5024	23.49	16.21	0.69	5124
	84	75	29.14	16.61	0.57	4898	25.94	14.78	0.57	4995	24.90	14.19	0.57	5044	23.66	13.48	0.57	5144
	84	79	29.55	13.30	0.45	4921	26.30	11.84	0.45	5018	25.25	11.36	0.45	5068	23.99	10.79	0.45	5167
	86	64	28.08	25.56	0.91	4883	24.99	22.74	0.91	4981	23.99	21.83	0.91	5031	22.79	20.74	0.91	5132
	86	68	28.66	24.36	0.85	4909	25.50	21.68	0.85	5007	24.48	20.81	0.85	5057	23.26	19.77	0.85	5157
	86	72	29.23	21.34	0.73	4926	26.01	18.99	0.73	5024	24.97	18.23	0.73	5074	23.72	17.32	0.73	5175
	86	75	29.43	17.96	0.61	4947	26.20	15.98	0.61	5045	25.15	15.34	0.61	5095	23.89	14.57	0.61	5195
	86	79	29.85	14.63	0.49	4971	26.56	13.02	0.49	5068	25.50	12.50	0.49	5118	24.23	11.87	0.49	5219
	88	64	28.36	25.81	0.91	4932	25.24	22.97	0.91	5031	24.23	22.05	0.91	5081	23.02	20.95	0.91	5183
	88	68	28.94	25.76	0.89	4958	25.76	22.93	0.89	5057	24.73	22.01	0.89	5107	23.49	20.91	0.89	5209
	88	72	29.52	22.73	0.77	4976	26.27	20.23	0.77	5074	25.22	19.42	0.77	5125	23.96	18.45	0.77	5227
	88	75	29.73	19.32	0.65	4996	26.46	17.20	0.65	5095	25.40	16.51	0.65	5146	24.13	15.68	0.65	5247
	88	79	30.15	15.98	0.53	5020	26.83	14.22	0.53	5119	25.76	13.65	0.53	5170	24.47	12.97	0.53	5271
	90	64	28.65	26.07	0.91	4981	25.50	23.20	0.91	5081	24.48	22.27	0.91	5132	23.25	21.16	0.91	5235
	90	68	29.23	26.60	0.91	5007	26.02	23.68	0.91	5107	24.98	22.73	0.91	5158	23.73	21.59	0.91	5261
	90	72	29.82	24.15	0.81	5025	26.54	21.50	0.81	5125	25.48	20.64	0.81	5176	24.20	19.60	0.81	5279
	90	75	30.03	20.72	0.69	5046	26.72	18.44	0.69	5146	25.65	17.70	0.69	5197	24.37	16.82	0.69	5300
	90	79	30.45	17.35	0.57	5070	27.10	15.45	0.57	5170	26.01	14.83	0.57	5221	24.71	14.09	0.57	5324

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																																																					
	OUTDOOR DB (°F)																																																					
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	36.59	22.32	0.61	3092	36.23	22.10	0.61	3120	35.84	21.86	0.61	3148	35.38	21.58	0.61	3174	35.03	21.37	0.61	3190	34.64	21.13	0.61	3296	34.17	20.84	0.61	3441	33.56	20.47	0.61	3672	32.78	19.99	0.61	3842	31.82	19.41	0.61	3986	29.28	17.86	0.61	4186	28.98	17.68	0.61	4227	23.91	14.59	0.61	4388
	70	68	38.10	18.67	0.49	3115	37.72	18.48	0.49	3144	37.31	18.28	0.49	3172	36.83	18.05	0.49	3197	36.47	17.87	0.49	3213	36.07	17.68	0.49	3319	35.58	17.43	0.49	3464	34.95	17.12	0.49	3696	34.13	16.72	0.49	3865	33.13	16.24	0.49	4009	30.48	14.94	0.49	4209	30.18	14.79	0.49	4251	24.90	12.20	0.49	4412
	72	64	37.72	24.52	0.65	3123	37.35	24.28	0.65	3151	36.94	24.01	0.65	3180	36.47	23.71	0.65	3206	36.11	23.47	0.65	3222	35.72	23.22	0.65	3329	35.22	22.89	0.65	3475	34.60	22.49	0.65	3710	33.79	21.96	0.65	3881	32.80	21.32	0.65	4026	30.18	19.62	0.65	4228	29.88	19.42	0.65	4270	24.65	16.02	0.65	4433
	72	68	38.88	20.61	0.53	3147	38.49	20.40	0.53	3175	38.07	20.18	0.53	3204	37.59	19.92	0.53	3230	37.21	19.72	0.53	3246	36.81	19.51	0.53	3353	36.30	19.24	0.53	3499	35.66	18.90	0.53	3733	34.82	18.46	0.53	3905	33.81	17.92	0.53	4050	31.10	16.49	0.53	4252	30.79	16.32	0.53	4294	25.40	13.46	0.53	4457
	72	72	39.54	16.21	0.41	3163	39.15	16.05	0.41	3191	38.72	15.88	0.41	3220	38.23	15.67	0.41	3246	37.85	15.52	0.41	3262	37.44	15.35	0.41	3369	36.92	15.14	0.41	3515	36.27	14.87	0.41	3750	35.42	14.52	0.41	3921	34.38	14.10	0.41	4066	31.63	12.97	0.41	4268	31.32	12.84	0.41	4310	25.84	10.59	0.41	4473
	73	64	38.49	26.56	0.69	3155	38.11	26.30	0.69	3183	37.70	26.01	0.69	3212	37.21	25.68	0.69	3238	36.85	25.42	0.69	3255	36.44	25.15	0.69	3363	35.94	24.80	0.69	3510	35.31	24.36	0.69	3747	34.48	23.79	0.69	3920	33.47	23.10	0.69	4067	30.80	21.25	0.69	4270	30.49	21.04	0.69	4313	25.15	17.36	0.69	4478
	73	68	39.67	22.61	0.57	3179	39.28	22.39	0.57	3207	38.85	22.15	0.57	3236	38.35	21.86	0.57	3262	37.97	21.65	0.57	3279	37.56	21.41	0.57	3387	37.04	21.11	0.57	3534	36.39	20.74	0.57	3771	35.53	20.25	0.57	3944	34.50	19.66	0.57	4091	31.74	18.09	0.57	4295	31.42	17.91	0.57	4337	25.92	14.78	0.57	4502
	73	72	40.35	18.16	0.45	3195	39.95	17.98	0.45	3224	39.51	17.78	0.45	3253	39.01	17.55	0.45	3279	38.62	17.38	0.45	3295	38.20	17.19	0.45	3403	37.67	16.95	0.45	3551	37.01	16.65	0.45	3787	36.14	16.26	0.45	3960	35.09	15.79	0.45	4107	32.28	14.53	0.45	4311	31.96	14.38	0.45	4354	26.36	11.86	0.45	4518
	75	64	39.28	28.67	0.73	3186	38.89	28.39	0.73	3215	38.47	28.08	0.73	3245	37.97	27.72	0.73	3271	37.60	27.45	0.73	3287	37.19	27.15	0.73	3396	36.68	26.77	0.73	3546	36.03	26.30	0.73	3785	35.18	25.68	0.73	3960	34.16	24.94	0.73	4108	31.42	22.94	0.73	4314	31.11	22.71	0.73	4357	25.67	18.74	0.73	4523
	75	68	40.48	24.69	0.61	3211	40.08	24.45	0.61	3240	39.64	24.18	0.61	3269	39.14	23.87	0.61	3295	38.75	23.64	0.61	3312	38.33	23.38	0.61	3421	37.80	23.06	0.61	3570	37.13	22.65	0.61	3809	36.26	22.12	0.61	3984	35.20	21.47	0.61	4132	32.39	19.76	0.61	4338	32.06	19.56	0.61	4381	26.45	16.14	0.61	4547
	75	72	41.17	20.17	0.49	3227	40.76	19.97	0.49	3256	40.32	19.76	0.49	3286	39.80	19.50	0.49	3312	39.41	19.31	0.49	3328	38.98	19.10	0.49	3437	38.44	18.84	0.49	3587	37.76	18.50	0.49	3826	36.88	18.07	0.49	4000	35.80	17.54	0.49	4149	32.94	16.14	0.49	4354	32.61	15.98	0.49	4398	26.90	13.18	0.49	4564
	75	75	41.75	15.45	0.37	3247	41.33	15.29	0.37	3276	40.88	15.13	0.37	3305	40.36	14.93	0.37	3331	39.96	14.78	0.37	3348	39.52	14.62	0.37	3457	38.98	14.42	0.37	3606	38.29	14.17	0.37	3845	37.39	13.84	0.37	4020	36.30	13.43	0.37	4168	33.40	12.36	0.37	4374	33.06	12.23	0.37	4417	27.28	10.09	0.37	4583
	77	64	40.49	31.18	0.77	3219	40.09	30.87	0.77	3248	39.66	30.54	0.77	3278	39.15	30.14	0.77	3304	38.76	29.85	0.77	3321	38.34	29.52	0.77	3431	37.81	29.11	0.77	3582	37.14	28.60	0.77	3823	36.27	27.93	0.77	4000	35.21	27.11	0.77	4149	32.40	24.95	0.77	4357	32.07	24.70	0.77	4401	26.46	20.37	0.77	4568
	77	68	41.73	27.13	0.65	3243	41.32	26.86	0.65	3272	40.87	26.57	0.65	3302	40.35	26.23	0.65	3329	39.95	25.97	0.65	3345	39.51	25.68	0.65	3455	38.97	25.33	0.65	3606	38.28	24.88	0.65	3848	37.38	24.30	0.65	4024	36.29	23.59	0.65	4174	33.39	21.70	0.65	4382	33.05	21.49	0.65	4425	27.27	17.73	0.65	4593
	77	72	42.44	22.49	0.53	3260	42.02	22.27	0.53	3289	41.57	22.03	0.53	3319	41.03	21.75	0.53	3345	40.63	21.53	0.53	3362	40.18	21.30	0.53	3472	39.63	21.00	0.53	3623	38.93	20.63	0.53	3864	38.02	20.15	0.53	4041	36.91	19.56	0.53	4190	33.96	18.00	0.53	4398	33.62	17.82	0.53	4442	27.73	14.70	0.53	4610
	77	75	43.04	17.65	0.41	3279	42.61	17.47	0.41	3309	42.15	17.28	0.41	3338	41.61	17.06	0.41	3365	41.19	16.89	0.41	3381	40.75	16.71	0.41	3492	40.18	16.48	0.41	3642	39.47	16.18	0.41	3884	38.55	15.80	0.41	4060	37.43	15.34	0.41	4210	34.43	14.12	0.41	4418	34.09	13.98	0.41	4462	28.12	11.53	0.41	4629
	79	64	41.75	33.81	0.81	3251	41.33	33.48	0.81	3281	40.88	33.12	0.81	3311	40.36	32.69	0.81	3337	39.96	32.37	0.81	3354	39.52	32.01	0.81	3465	38.98	31.57	0.81	3618	38.29	31.01	0.81	3862	37.39	30.29	0.81	4040	36.30	29.41	0.81	4191	33.40	27.05	0.81	4401	33.06	26.78	0.81	4445	27.28	22.10	0.81	4615
	79	68	43.02	29.69	0.69	3276	42.60	29.39	0.69	3306	42.14	29.07	0.69	3335	41.59	28.70	0.69	3362	41.18	28.42	0.69	3379	40.73	28.11	0.69	3490	40.17	27.72	0.69	3643	39.46	27.23	0.69	3886	38.54	26.59	0.69	4065	37.41	25.82	0.69	4216	34.42	23.75	0.69	4426	34.08	23.51	0.69	4470	28.11	19.40	0.69	4639
	79	72	43.76	24.94	0.57	3293	43.32	24.69	0.57	3322	42.85	24.43	0.57	3352	42.30	24.11	0.57	3379	41.88	23.87	0.57	3396	41.43	23.61	0.57	3507	40.85	23.29	0.57	3659	40.13	22.88	0.57	3903	39.19	22.34	0.57	4082	38.05	21.69	0.57	4233	35.01	19.95	0.57	4443	34.66	19.75	0.57	4487	28.59	16.30	0.57	4656
	79	75	44.37	19.97	0.45	3313	43.93	19.77	0.45	3342	43.45	19.55	0.45	3372	42.89	19.30	0.45	3399	42.47	19.11	0.45	3416	42.01	18.90	0.45	3527	41.43	18.64	0.45	3679	40.69	18.31	0.45	3923	39.74	17.88	0.45	4101	38.58	17.36	0.45	4253	35.50	15.97	0.45	4463	35.14	15.81	0.45	4507	28.99	13.05	0.45	4676
	79	79	45.08	14.88	0.33	3335	44.63	14.73	0.33	3365	44.15	14.57	0.33	3395	43.58	14.38	0.33	3422	43.15	14.24	0.33	3438	42.68	14.08	0.33	3550	42.09	13.89	0.33	3702	41.35	13.64	0.33	3946	40.38	13.32	0.33	4124	39.20	12.94	0.33	4275	36.06	11.90	0.33	4485	35.70	11.78	0.33	4529	29.46	9.72	0.33	4699
	81	64	42.60	36.21	0.85	3284	42.18	35.85	0.85	3314	41.72	35.46	0.85	3344	41.18	35.01	0.85	3371	40.77	34.66	0.85	3388	40.33	34.28	0.85	3500	39.77	33.81	0.85	3654	39.07	33.21	0.85	3901	38.16	32.43	0.85	4081	37.04	31.49	0.85	4234	34.08	28.97	0.85	4446	33.74	28.68	0.85	4490	27.84	23.66	0.85	4661
	81	66	43.47	34.34	0.79	3294	43.04	34.00	0.79	3324	42.57	33.63	0.79	3354	42.02	33.20	0.79	3381	41.61	32.87	0.79	3398	41.15	32.51	0.79	3510	40.59	32.06	0.79	3664	39.87	31.50	0.79	3911	38.93	30.76	0.79	4091	37.80	29.86	0.79	4244	34.78	27.47	0.79	4456	34.43	27.20	0.79	4500	28.40	22.44	0.79	4671
	81	68	43.90	32.05	0.73	3309	43.47	31.73	0.73	3339	43.00	31.39	0.73	3369	42.44	30.98	0.73	3396	42.02	30.68	0.73	3413	41.57	30.34	0.73	3525	40.99	29.92	0.73	3679	40.27	29.39	0.73	3926	39.32	28.71	0.73	4106	38.18	27.87	0.73	4259	35.12	25.64	0.73	4471	34.77	25.38	0.73	4515	28.69	20.94	0.73	4686
	81	72	44.65	27.24	0.61	3326	44.21	26.97	0.61	3356	43.73	26.67	0.61	3386	43.16	26.33	0.61	3413	42.74	26.07	0.61	3430	42.27	25.79	0.61	3542	41.69	25.43	0.61	3696	40.95	24.98	0.61	3943	39.99	24.40	0.61	4123	38.83	23.68	0.61	4276	35.72	21.79	0.61	4488	35.36	21.57	0.61	4532	29.18	17.80	0.61	4703
	81	75	45.27	22.18	0.49	3346	44.83	21.96	0.49	3376	44.34	21.73	0.49	3406	43.77	21.45	0.49	3433	43.34	21.23	0.49	3450	42.86	21.00	0.49	3562	42.27	20.71	0.49	3716	41.52	20.35	0.49	3963	40.55	19.87	0.49	4143	39.37	19.29	0.49	4296	36.22	17.75	0.49	4508	35.86	17.57	0.49	4552	29.58	14.50	0.49	4723
	81	79	46.00	17.02	0.37	3369	45.54	16.85	0.37	3399	45.05	16.67	0.37	3429	44.47	16.45	0.37	3456	44.03	16.29	0.37	3473	43.55	16.11	0.37	3585	42.95	15.89	0.37	3739	42.19	15.61	0.37	3986	41.20	15.24	0.37	4166	40.00	14.80	0.37	4319	36.80	13.62	0.37	4531	36.43	13.48	0.37	4575	30.06	11.12	0.37	4746
	82	64	43.02	38.29	0.89	3317	42.60	37.91	0.89	3347	42.14	37.50	0.89	3378	41.59	37.02	0.89	3405	41.18	36.65	0.89	3422	40.73	36.25	0.89	3535	40.17	35.75	0.89	3691	39.46	35.12	0.89	3940	38.54	34.30	0.89	4122	37.41	33.30	0.89	4276	34.42	30.63	0.89	4490	34.08	30.33	0.89	4535	28.11	25.02	0.89	4708
	82	68	43.90	33.81	0.77	3342	43.47	33.47	0.77	3372	43.00	33.11	0.77	3403	42.44	32.68	0.77	3430	42.02	32.36	0.77	3447	41.57	32.01	0.77	3561	40.99	31.56	0.77	3716	40.27	31.01	0.77	3965	39.32	30.28	0.77	4147	38.18	29.40	0.77	4301	35.12	27.05	0.77	4515	34.77	26.77	0.77	4560	28.69	22.09	0.77	4733
	82	72	44.34	28.82	0.65	3359	43.90	28.54	0.65	3389	43.42	28.23	0.65	3420	42.87	27.86	0.65	3447	42.44	27.59	0.65	3464	41.98	27.29	0.65	3578	41.40	26.91	0.65	3733	40.67	26.44	0.65	3982	39.72	25.82	0.65	4164	38.56	25.06	0.65	4318	35.47	23.06	0.65	4533	35.12	22.83	0.65	4578	28.97	18.83	0.65	4750
	82	75	45.10	23.90	0.53	3379	44.65	23.66	0.53	3410	44.16	23.41	0.53	3440	43.60	23.11	0.53	3467	43.16	22.88	0.53	3485	42.70	22.63	0.53	3598	42.11	22.32	0.53	3754	41.36	21.92	0.53	4002	40.39	21.41	0.53	4184	39.22	20.78	0.53	4338	36.08	19.12	0.53	4553	35.72	18.93	0.53	4598	29.47	15.62	0.53	4770
	82	79	45.73	18.75	0.41	3403	45.27	18.56	0.41	3433	44.78	18.36	0.41	3463	44.21	18.12	0.41	3491	43.77	17.95	0.41	3508	43.29	17.75	0.41	3621	42.70	17.51	0.41	3777	41.94	17.20	0.41	4026	40.96	16.79	0.41	4207	39.76	16.30	0.41	4362	36.58	15.00	0.41	4576	36.22	14.85	0.41	4621	29.88	12.25	0.41	4794
	84	64	43.45	39.54	0.91	3350	43.02	39.15	0.91	3381	42.56	38.73	0.91	3411	42.01	38.23	0.91	3439	41.59	37.85	0.91	3456	41.14	37.44	0.91	3571	40.57	36.92	0.91	3728	39.86	36.27	0.91	3979	38.92	35.42	0.91	4163	37.79	34.39	0.91	4319	34.77	31.64	0.91	4535	34.42	31.32	0.91	4580	28.39	25.84	0.91	4755
	84	68	44.34	35.92	0.81	3375	43.90	35.56	0.81	3406	43.42	35.17	0.81	3437	42.87	34.72	0.81	3464	42.44	34.38	0.81	3482	41.98	34.00	0.81	3596	41.40	33.54	0.81	3753	40.67	32.94	0.81	4005	39.72	32.17	0.81	4188	38.56	31.23	0.81	4344	35.47	28.73	0.81	4561	35.12	28.45	0.81	4606	28.97	23.47	0.81	4780
	84	72	45.23	31.21	0.69	3393	44.78	30.90	0.69	3423	44.29	30.56	0.69	3454	43.73	30.17	0.69	3482	43.29	29.87	0.69	3499	42.82	29.55	0.69	3614	42.23	29.14	0.69	3771	41.48	28.62	0.69	4022	40.51	27.95	0.69	4206	39.33	27.14	0.69	4361	36.18	24.97	0.69	4578	35.82	24.72	0.69	4623	29.55	20.39	0.69	4798
	84	75	45.55	25.96	0.57	3413	45.10	25.70	0.57	3444	44.60	25.42	0.57	3475	44.03	25.10	0.57	3502	43.60	24.85	0.57	3519	43.12	24.58	0.57	3634	42.53	24.24	0.57	3791	41.77	23.81	0.57	4042	40.80	23.25	0.57	4226	39.61	22.58	0.57	4382	36.44	20.77	0.57	4598	36.07	20.56	0.57	4644	29.76	16.96	0.57	4818
	84	79	46.18	20.78	0.45	3437	45.73	20.58	0.45	3467	45.23	20.35	0.45	3498	44.65	20.09	0.45	3526	44.21	19.89	0.45	3543	43.73	19.68	0.45	3658	43.12	19.40	0.45	3815	42.36	19.06	0.45	4066	41.37	18.62	0.45	4249	40.16	18.07	0.45	4405	36.95	16.63	0.45	4622	36.58	16.46	0.45	4667	30.18	13.58	0.45	4842
	86	64	43.89	39.94	0.91	3383	43.45	39.54	0.91	3414	42.98	39.11	0.91	3445	42.43	38.61	0.91	3473	42.01	38.23	0.91	3491	41.55	37.81	0.91	3607	40.98	37.29	0.91	3765	40.25	36.63	0.91	4019	39.31	35.77	0.91	4204	38.17	34.73	0.91	4362	35.11	31.95	0.91	4580	34.76	31.63	0.91	4626	28.68	26.10	0.91	4802
	86	68	44.79	38.07	0.85	3409	44.34	37.69	0.85	3440	43.86	37.28	0.85	3471	43.30	36.80	0.85	3499	42.87	36.44	0.85	3517	42.40	36.04	0.85	3632	41.82	35.54	0.85	3791	41.08	34.91	0.85	4045	40.11	34.10	0.85	4230	38.95	33.10	0.85	4388	35.83	30.46	0.85	4606	35.47	30.15	0.85	4652	29.26	24.87	0.85	4828
	86	72	45.68	33.35	0.73	3427	45.23	33.02	0.73	3458	44.74	32.66	0.73	3489	44.16	32.24	0.73	3517	43.73	31.92	0.73	3534	43.25	31.57	0.73	3650	42.65	31.14	0.73	3808	41.90	30.59	0.73	4062	40.92	29.87	0.73	4248	39.72	29.00	0.73	4405	36.55	26.68	0.73	4624	36.18	26.41	0.73	4670	29.85	21.79	0.73	4846
	86	75	46.00	28.06	0.61	3447	45.55	27.78	0.61	3478	45.05	27.48	0.61	3509	44.47	27.13	0.61	3537	44.03	26.86	0.61	3555	43.55	26.57	0.61	3670	42.95	26.20	0.61	3829	42.19	25.74	0.61	4083	41.20	25.13	0.61	4268	40.00	24.40	0.61	4426	36.80	22.45	0.61	4644	36.44	22.23	0.61	4690	30.06	18.34	0.61	4866
	86	79	46.65	22.86	0.49	3471	46.18	22.63	0.49	3502	45.68	22.38	0.49	3533	45.10	22.10	0.49	3561	44.65	21.88	0.49	3578	44.16	21.64	0.49	3694	43.55	21.34	0.49	3853	42.78	20.96	0.49	4107	41.78	20.47	0.49	4292	40.56	19.88	0.49	4449	37.32	18.29	0.49	4668	36.95	18.10	0.49	4714	30.48	14.94	0.49	4890
	88	64	44.33	40.34	0.91	3417	43.89	39.94	0.91	3448	43.41	39.50	0.91	3480	42.85	39.00	0.91	3508	42.43	38.61	0.91	3526	41.97	38.19	0.91	3643	41.39	37.66	0.91	3803	40.66	37.00	0.91	4059	39.70	36.13	0.91	4246	38.55	35.08	0.91	4405	35.46	32.27	0.91	4626	35.11	31.95	0.91	4673	28.97	26.36	0.91	4851
	88	68	45.23	40.26	0.89	3443	44.79	39.86	0.89	3474	44.30	39.43	0.89	3506	43.73	38.92	0.89	3534	43.30	38.53	0.89	3552	42.83	38.11	0.89	3669	42.23	37.59	0.89	3829	41.49	36.92	0.89	4085	40.51	36.06	0.89	4272	39.33	35.01	0.89	4431	36.19	32.21	0.89	4652	35.83	31.89	0.89	4699	29.56	26.31	0.89	4877
	88	72	46.14	35.53	0.77	3461	45.68	35.17	0.77	3492	45.18	34.79	0.77	3524	44.60	34.35	0.77	3552	44.16	34.00	0.77	3569	43.68	33.63	0.77	3686	43.08	33.17	0.77	3846	42.32	32.58	0.77	4103	41.33	31.82	0.77	4290	40.12	30.89	0.77	4449	36.91	28.42	0.77	4670	36.54	28.14	0.77	4716	30.15	23.21	0.77	4894
	88	75	46.46	30.20	0.65	3482	46.00	29.90	0.65	3513	45.50	29.58	0.65	3544	44.92	29.20	0.65	3573	44.47	28.91	0.65	3590	43.99	28.59	0.65	3707	43.38	28.20	0.65	3867	42.61	27.70	0.65	4124	41.62	27.05	0.65	4311	40.40	26.26	0.65	4470	37.17	24.16	0.65	4691	36.80	23.92	0.65	4737	30.36	19.73	0.65	4915
	88	79	47.11	24.97	0.53	3506	46.65	24.72	0.53	3537	46.14	24.45	0.53	3568	45.55	24.14	0.53	3596	45.10	23.90	0.53	3614	44.60	23.64	0.53	3731	43.99	23.31	0.53	3891	43.21	22.90	0.53	4148	42.20	22.37	0.53	4335	40.97	21.71	0.53	4494	37.69	19.98	0.53	4715	37.31	19.78	0.53	4761	30.78	16.32	0.53	4939
	90	64	44.77	40.74	0.91	3452	44.33	40.34	0.91	3483	43.85	39.90	0.91	3515	43.28	39.39	0.91	3543	42.85	39.00	0.91	3561	42.39	38.57	0.91	3679	41.80	38.04	0.91	3841	41.06	37.37	0.91	4100	40.10	36.49	0.91	4289	38.93	35.43	0.91	4449	35.82	32.60	0.91	4672	35.46	32.27	0.91	4719	29.26	26.62	0.91	4899
	90	68	45.69	41.57	0.91	3478	45.23	41.16	0.91	3509	44.74	40.71	0.91	3541	44.17	40.19	0.91	3569	43.73	39.79	0.91	3587	43.25	39.36	0.91	3705	42.66	38.82	0.91	3867	41.90	38.13	0.91	4126	40.92	37.24	0.91	4315	39.73	36.15	0.91	4476	36.55	33.26	0.91	4699	36.18	32.93	0.91	4746	29.85	27.17	0.91	4925
	90	72	46.60	37.75	0.81	3496	46.14	37.37	0.81	3527	45.64	36.96	0.81	3559	45.05	36.49	0.81	3587	44.60	36.13	0.81	3605	44.12	35.74	0.81	3723	43.51	35.24	0.81	3885	42.74	34.62	0.81	4144	41.74	33.81	0.81	4333	40.52	32.82	0.81	4494	37.28	30.20	0.81	4717	36.91	29.90	0.81	4763	30.45	24.66	0.81	4943
	90	75	46.93	32.38	0.69	3517	46.46	32.06	0.69	3548	45.96	31.71	0.69	3580	45.37	31.30	0.69	3608	44.92	30.99	0.69	3626	44.43	30.66	0.69	3744	43.82	30.23	0.69	3906	43.04	29.70	0.69	4165	42.03	29.00	0.69	4354	40.81	28.16	0.69	4515	37.54	25.90	0.69	4738	37.17	25.65	0.69	4784	30.66	21.16	0.69	4964
	90	79	47.58	27.12	0.57	3541	47.11	26.85	0.57	3572	46.60	26.56	0.57	3604	46.00	26.22	0.57	3632	45.55	25.96	0.57	3650	45.05	25.68	0.57	3768	44.43	25.32	0.57	3930	43.64	24.88	0.57	4189	42.62	24.29	0.57	4378	41.38	23.59	0.57	4539	38.07	21.70	0.57	4762	37.69	21.48	0.57	4809	31.09	17.72	0.57	4988

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	23.19	14.15	0.61	4419	20.64	12.59	0.61	4508	19.82	12.09	0.61	4553	18.83	11.48	0.61	4644
	70	68	24.15	11.83	0.49	4443	21.49	10.53	0.49	4531	20.63	10.11	0.49	4577	19.60	9.60	0.49	4668
	72	64	23.91	15.54	0.65	4464	21.28	13.83	0.65	4553	20.43	13.28	0.65	4599	19.41	12.61	0.65	4691
	72	68	24.64	13.06	0.53	4488	21.93	11.62	0.53	4577	21.05	11.16	0.53	4623	20.00	10.60	0.53	4715
	72	72	25.06	10.28	0.41	4504	22.30	9.14	0.41	4593	21.41	8.78	0.41	4639	20.34	8.34	0.41	4731
	73	64	24.40	16.83	0.69	4509	21.71	14.98	0.69	4599	20.85	14.38	0.69	4645	19.80	13.66	0.69	4739
	73	68	25.15	14.33	0.57	4533	22.38	12.76	0.57	4623	21.48	12.25	0.57	4669	20.41	11.63	0.57	4763
	73	72	25.57	11.51	0.45	4549	22.76	10.24	0.45	4640	21.85	9.83	0.45	4686	20.76	9.34	0.45	4779
	75	64	24.90	18.17	0.73	4555	22.16	16.18	0.73	4646	21.27	15.53	0.73	4692	20.21	14.75	0.73	4786
	75	68	25.66	15.65	0.61	4579	22.84	13.93	0.61	4670	21.92	13.37	0.61	4717	20.83	12.70	0.61	4811
	75	72	26.09	12.79	0.49	4595	23.22	11.38	0.49	4687	22.30	10.92	0.49	4733	21.18	10.38	0.49	4827
	75	75	26.46	9.79	0.37	4615	23.55	8.71	0.37	4706	22.61	8.36	0.37	4753	21.48	7.95	0.37	4847
	77	64	25.67	19.76	0.77	4601	22.84	17.59	0.77	4693	21.93	16.89	0.77	4740	20.83	16.04	0.77	4835
	77	68	26.45	17.19	0.65	4625	23.54	15.30	0.65	4717	22.60	14.69	0.65	4764	21.47	13.96	0.65	4859
	77	72	26.90	14.26	0.53	4642	23.94	12.69	0.53	4734	22.98	12.18	0.53	4781	21.84	11.57	0.53	4876
	77	75	27.28	11.18	0.41	4661	24.28	9.95	0.41	4754	23.31	9.56	0.41	4801	22.14	9.08	0.41	4896
	79	64	26.46	21.43	0.81	4647	23.55	19.08	0.81	4740	22.61	18.31	0.81	4788	21.48	17.40	0.81	4884
	79	68	27.27	18.82	0.69	4672	24.27	16.75	0.69	4765	23.30	16.08	0.69	4812	22.13	15.27	0.69	4908
	79	72	27.73	15.81	0.57	4689	24.68	14.07	0.57	4782	23.70	13.51	0.57	4829	22.51	12.83	0.57	4925
	79	75	28.12	12.65	0.45	4708	25.03	11.26	0.45	4802	24.03	10.81	0.45	4849	22.83	10.27	0.45	4945
	79	79	28.57	9.43	0.33	4731	25.43	8.39	0.33	4824	24.41	8.06	0.33	4872	23.19	7.65	0.33	4968
	81	64	27.00	22.95	0.85	4694	24.03	20.43	0.85	4788	23.07	19.61	0.85	4836	21.92	18.63	0.85	4933
	81	66	27.55	21.77	0.79	4704	24.52	19.37	0.79	4798	23.54	18.60	0.79	4846	22.36	17.67	0.79	4943
	81	68	27.83	20.31	0.73	4719	24.77	18.08	0.73	4813	23.78	17.36	0.73	4861	22.59	16.49	0.73	4958
	81	72	28.30	17.26	0.61	4736	25.19	15.36	0.61	4830	24.18	14.75	0.61	4878	22.97	14.01	0.61	4975
	81	75	28.70	14.06	0.49	4756	25.54	12.51	0.49	4850	24.52	12.01	0.49	4898	23.29	11.41	0.49	4995
	81	79	29.16	10.79	0.37	4779	25.95	9.60	0.37	4873	24.91	9.22	0.37	4921	23.66	8.76	0.37	5018
	82	64	27.27	24.27	0.89	4741	24.27	21.60	0.89	4836	23.30	20.74	0.89	4884	22.13	19.70	0.89	4982
	82	68	27.83	21.43	0.77	4766	24.77	19.07	0.77	4861	23.78	18.31	0.77	4910	22.59	17.39	0.77	5007
	82	72	28.10	18.27	0.65	4783	25.01	16.26	0.65	4878	24.01	15.61	0.65	4927	22.81	14.83	0.65	5025
	82	75	28.58	15.15	0.53	4803	25.44	13.48	0.53	4899	24.42	12.94	0.53	4947	23.20	12.30	0.53	5045
	82	79	28.98	11.88	0.41	4827	25.79	10.58	0.41	4922	24.76	10.15	0.41	4970	23.52	9.65	0.41	5068
	84	64	27.54	25.06	0.91	4788	24.51	22.31	0.91	4884	23.53	21.41	0.91	4933	22.36	20.34	0.91	5032
	84	68	28.10	22.77	0.81	4814	25.01	20.26	0.81	4910	24.01	19.45	0.81	4959	22.81	18.48	0.81	5058
	84	72	28.67	19.78	0.69	4831	25.51	17.60	0.69	4927	24.49	16.90	0.69	4976	23.27	16.06	0.69	5075
	84	75	28.87	16.46	0.57	4852	25.69	14.65	0.57	4948	24.67	14.06	0.57	4996	23.43	13.36	0.57	5095
	84	79	29.27	13.17	0.45	4875	26.05	11.72	0.45	4971	25.01	11.25	0.45	5020	23.76	10.69	0.45	5119
	86	64	27.82	25.31	0.91	4836	24.76	22.53	0.91	4933	23.77	21.63	0.91	4983	22.58	20.55	0.91	5082
	86	68	28.39	24.13	0.85	4862	25.26	21.47	0.85	4959	24.25	20.62	0.85	5008	23.04	19.58	0.85	5108
	86	72	28.95	21.14	0.73	4879	25.77	18.81	0.73	4976	24.74	18.06	0.73	5026	23.50	17.16	0.73	5126
	86	75	29.16	17.79	0.61	4900	25.95	15.83	0.61	4997	24.91	15.20	0.61	5046	23.67	14.44	0.61	5146
	86	79	29.57	14.49	0.49	4924	26.31	12.89	0.49	5021	25.26	12.38	0.49	5070	24.00	11.76	0.49	5170
	88	64	28.10	25.57	0.91	4885	25.01	22.76	0.91	4982	24.01	21.85	0.91	5032	22.81	20.75	0.91	5133
	88	68	28.67	25.52	0.89	4911	25.52	22.71	0.89	5008	24.50	21.80	0.89	5058	23.27	20.71	0.89	5159
	88	72	29.24	22.52	0.77	4928	26.03	20.04	0.77	5026	24.99	19.24	0.77	5076	23.74	18.28	0.77	5177
	88	75	29.45	19.14	0.65	4949	26.21	17.04	0.65	5047	25.16	16.35	0.65	5097	23.90	15.54	0.65	5198
	88	79	29.86	15.83	0.53	4973	26.58	14.09	0.53	5071	25.51	13.52	0.53	5121	24.24	12.85	0.53	5222
	90	64	28.38	25.82	0.91	4933	25.26	22.98	0.91	5032	24.25	22.06	0.91	5083	23.03	20.96	0.91	5185
	90	68	28.96	26.35	0.91	4960	25.77	23.45	0.91	5059	24.74	22.51	0.91	5109	23.50	21.39	0.91	5211
	90	72	29.54	23.92	0.81	4978	26.29	21.29	0.81	5076	25.24	20.44	0.81	5127	23.97	19.42	0.81	5229
	90	75	29.74	20.52	0.69	4999	26.47	18.27	0.69	5097	25.41	17.53	0.69	5148	24.14	16.66	0.69	5250
	90	79	30.16	17.19	0.57	5023	26.84	15.30	0.57	5122	25.77	14.69	0.57	5172	24.48	13.95	0.57	5274

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																			
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	35.90	21.90	0.61	3062	35.54	21.68	0.61	3090	35.15	21.44	0.61	3118	34.70	21.17	0.61	3143	34.36	20.96	0.61	3159	33.98	20.73	0.61	3264	33.52	20.44	0.61	3407	32.92	20.08	0.61	3637	32.15	19.61	0.61	3805	31.21	19.04	0.61	3947	29.03	17.71	0.61	4145	28.74	17.53	0.61	4187	23.71	14.46	0.61	4346
	70	68	37.38	18.31	0.49	3085	37.01	18.13	0.49	3113	36.60	17.94	0.49	3141	36.13	17.71	0.49	3167	35.78	17.53	0.49	3182	35.39	17.34	0.49	3287	34.90	17.10	0.49	3431	34.28	16.80	0.49	3660	33.48	16.40	0.49	3828	32.50	15.93	0.49	3971	30.23	14.81	0.49	4169	29.92	14.66	0.49	4210	24.69	12.10	0.49	4370
	72	64	37.01	24.05	0.65	3093	36.64	23.82	0.65	3121	36.24	23.56	0.65	3149	35.78	23.25	0.65	3175	35.42	23.02	0.65	3191	35.04	22.77	0.65	3297	34.55	22.46	0.65	3442	33.94	22.06	0.65	3674	33.15	21.54	0.65	3843	32.18	20.92	0.65	3987	29.93	19.45	0.65	4187	29.63	19.26	0.65	4229	24.44	15.89	0.65	4390
	72	68	38.14	20.21	0.53	3117	37.76	20.01	0.53	3145	37.35	19.80	0.53	3173	36.87	19.54	0.53	3199	36.51	19.35	0.53	3215	36.11	19.14	0.53	3320	35.61	18.87	0.53	3465	34.98	18.54	0.53	3697	34.16	18.10	0.53	3867	33.17	17.58	0.53	4011	30.84	16.35	0.53	4211	30.54	16.18	0.53	4253	25.19	13.35	0.53	4414
	72	72	38.79	15.90	0.41	3133	38.40	15.75	0.41	3161	37.98	15.57	0.41	3189	37.50	15.37	0.41	3215	37.13	15.22	0.41	3231	36.72	15.06	0.41	3337	36.22	14.85	0.41	3482	35.57	14.59	0.41	3714	34.74	14.24	0.41	3883	33.73	13.83	0.41	4027	31.37	12.86	0.41	4227	31.05	12.73	0.41	4269	25.62	10.50	0.41	4430
	73	64	37.76	26.05	0.69	3124	37.39	25.80	0.69	3152	36.98	25.52	0.69	3181	36.51	25.19	0.69	3207	36.14	24.94	0.69	3223	35.75	24.67	0.69	3330	35.26	24.33	0.69	3476	34.63	23.90	0.69	3711	33.82	23.34	0.69	3882	32.84	22.66	0.69	4027	30.54	21.07	0.69	4229	30.23	20.86	0.69	4272	24.94	17.21	0.69	4434
	73	68	38.92	22.18	0.57	3148	38.53	21.96	0.57	3176	38.11	21.72	0.57	3205	37.62	21.45	0.57	3231	37.25	21.23	0.57	3247	36.85	21.00	0.57	3354	36.34	20.71	0.57	3500	35.69	20.35	0.57	3735	34.86	19.87	0.57	3906	33.84	19.29	0.57	4051	31.47	17.94	0.57	4253	31.16	17.76	0.57	4296	25.71	14.65	0.57	4458
	73	72	39.58	17.81	0.45	3164	39.19	17.63	0.45	3193	38.76	17.44	0.45	3222	38.26	17.22	0.45	3247	37.88	17.05	0.45	3263	37.47	16.86	0.45	3370	36.95	16.63	0.45	3517	36.30	16.34	0.45	3751	35.45	15.95	0.45	3922	34.42	15.49	0.45	4068	32.01	14.40	0.45	4269	31.69	14.26	0.45	4312	26.14	11.76	0.45	4475
	75	64	38.53	28.13	0.73	3156	38.15	27.85	0.73	3184	37.73	27.55	0.73	3213	37.25	27.19	0.73	3239	36.88	26.92	0.73	3256	36.48	26.63	0.73	3364	35.98	26.26	0.73	3511	35.34	25.80	0.73	3748	34.51	25.19	0.73	3921	33.51	24.46	0.73	4068	31.16	22.75	0.73	4272	30.85	22.52	0.73	4315	25.45	18.58	0.73	4479
	75	68	39.71	24.22	0.61	3180	39.32	23.98	0.61	3209	38.89	23.72	0.61	3238	38.39	23.42	0.61	3264	38.01	23.19	0.61	3280	37.60	22.93	0.61	3388	37.08	22.62	0.61	3536	36.42	22.22	0.61	3772	35.57	21.70	0.61	3945	34.53	21.06	0.61	4092	32.12	19.59	0.61	4296	31.79	19.39	0.61	4339	26.23	16.00	0.61	4503
	75	72	40.39	19.79	0.49	3196	39.99	19.59	0.49	3225	39.55	19.38	0.49	3254	39.04	19.13	0.49	3280	38.66	18.94	0.49	3296	38.24	18.74	0.49	3404	37.71	18.48	0.49	3552	37.04	18.15	0.49	3789	36.17	17.72	0.49	3962	35.12	17.21	0.49	4109	32.66	16.00	0.49	4313	32.33	15.84	0.49	4355	26.68	13.07	0.49	4520
	75	75	40.95	15.15	0.37	3216	40.55	15.00	0.37	3244	40.10	14.84	0.37	3273	39.59	14.65	0.37	3299	39.20	14.50	0.37	3316	38.77	14.35	0.37	3424	38.24	14.15	0.37	3572	37.56	13.90	0.37	3808	36.68	13.57	0.37	3981	35.61	13.18	0.37	4128	33.12	12.25	0.37	4332	32.79	12.13	0.37	4375	27.05	10.01	0.37	4539
	77	64	39.72	30.59	0.77	3187	39.33	30.28	0.77	3216	38.90	29.95	0.77	3246	38.40	29.57	0.77	3272	38.02	29.28	0.77	3289	37.61	28.96	0.77	3398	37.09	28.56	0.77	3547	36.43	28.05	0.77	3786	35.58	27.40	0.77	3961	34.54	26.60	0.77	4109	32.13	24.74	0.77	4315	31.80	24.49	0.77	4358	26.24	20.20	0.77	4524
	77	68	40.94	26.61	0.65	3212	40.53	26.35	0.65	3241	40.09	26.06	0.65	3270	39.58	25.73	0.65	3297	39.19	25.47	0.65	3313	38.76	25.19	0.65	3422	38.22	24.85	0.65	3571	37.55	24.41	0.65	3811	36.67	23.83	0.65	3985	35.60	23.14	0.65	4134	33.11	21.52	0.65	4340	32.78	21.31	0.65	4383	27.04	17.58	0.65	4549
	77	72	41.63	22.07	0.53	3229	41.22	21.85	0.53	3258	40.77	21.61	0.53	3287	40.25	21.33	0.53	3313	39.85	21.12	0.53	3330	39.42	20.89	0.53	3439	38.87	20.60	0.53	3588	38.19	20.24	0.53	3827	37.29	19.76	0.53	4002	36.21	19.19	0.53	4150	33.67	17.85	0.53	4356	33.33	17.67	0.53	4399	27.50	14.58	0.53	4565
	77	75	42.22	17.31	0.41	3248	41.80	17.14	0.41	3277	41.34	16.95	0.41	3307	40.81	16.73	0.41	3333	40.41	16.57	0.41	3349	39.97	16.39	0.41	3458	39.42	16.16	0.41	3608	38.72	15.88	0.41	3847	37.81	15.50	0.41	4022	36.71	15.05	0.41	4170	34.14	14.00	0.41	4376	33.80	13.86	0.41	4419	27.89	11.43	0.41	4585
	79	64	40.95	33.17	0.81	3220	40.55	32.84	0.81	3249	40.10	32.48	0.81	3279	39.59	32.07	0.81	3305	39.20	31.75	0.81	3322	38.77	31.41	0.81	3432	38.24	30.97	0.81	3583	37.56	30.42	0.81	3824	36.68	29.71	0.81	4001	35.61	28.85	0.81	4151	33.12	26.83	0.81	4359	32.79	26.56	0.81	4402	27.05	21.91	0.81	4570
	79	68	42.21	29.12	0.69	3244	41.79	28.83	0.69	3274	41.33	28.52	0.69	3303	40.80	28.15	0.69	3330	40.40	27.87	0.69	3346	39.96	27.57	0.69	3457	39.41	27.19	0.69	3608	38.71	26.71	0.69	3849	37.80	26.08	0.69	4026	36.70	25.32	0.69	4175	34.13	23.55	0.69	4383	33.79	23.32	0.69	4427	27.88	19.24	0.69	4595
	79	72	42.92	24.47	0.57	3261	42.50	24.22	0.57	3291	42.04	23.96	0.57	3320	41.50	23.65	0.57	3347	41.08	23.42	0.57	3363	40.64	23.16	0.57	3473	40.08	22.84	0.57	3624	39.37	22.44	0.57	3866	38.45	21.91	0.57	4042	37.33	21.28	0.57	4192	34.71	19.79	0.57	4400	34.37	19.59	0.57	4444	28.35	16.16	0.57	4612
	79	75	43.52	19.59	0.45	3281	43.09	19.39	0.45	3310	42.62	19.18	0.45	3340	42.08	18.93	0.45	3366	41.66	18.75	0.45	3383	41.21	18.54	0.45	3493	40.64	18.29	0.45	3644	39.92	17.96	0.45	3886	38.98	17.54	0.45	4062	37.85	17.03	0.45	4212	35.20	15.84	0.45	4420	34.85	15.68	0.45	4464	28.75	12.94	0.45	4631
	79	79	44.22	14.59	0.33	3304	43.78	14.45	0.33	3333	43.31	14.29	0.33	3363	42.75	14.11	0.33	3389	42.33	13.97	0.33	3406	41.87	13.82	0.33	3516	41.29	13.63	0.33	3667	40.56	13.38	0.33	3908	39.61	13.07	0.33	4085	38.45	12.69	0.33	4235	35.76	11.80	0.33	4443	35.40	11.68	0.33	4486	29.21	9.64	0.33	4654
	81	64	41.79	35.52	0.85	3252	41.37	35.17	0.85	3282	40.92	34.78	0.85	3312	40.40	34.34	0.85	3338	40.00	34.00	0.85	3355	39.56	33.63	0.85	3467	39.02	33.16	0.85	3619	38.33	32.58	0.85	3863	37.43	31.81	0.85	4041	36.34	30.89	0.85	4193	33.79	28.73	0.85	4403	33.46	28.44	0.85	4447	27.60	23.46	0.85	4616
	81	66	42.64	33.69	0.79	3262	42.22	33.35	0.79	3292	41.76	32.99	0.79	3322	41.22	32.57	0.79	3348	40.81	32.24	0.79	3365	40.37	31.89	0.79	3477	39.81	31.45	0.79	3629	39.11	30.90	0.79	3873	38.19	30.17	0.79	4051	37.08	29.29	0.79	4203	34.48	27.24	0.79	4413	34.14	26.97	0.79	4457	28.17	22.25	0.79	4626
	81	68	43.07	31.44	0.73	3277	42.64	31.13	0.73	3307	42.18	30.79	0.73	3337	41.63	30.39	0.73	3363	41.22	30.09	0.73	3380	40.77	29.77	0.73	3492	40.21	29.35	0.73	3644	39.50	28.84	0.73	3888	38.57	28.16	0.73	4066	37.45	27.34	0.73	4218	34.83	25.43	0.73	4428	34.48	25.17	0.73	4472	28.45	20.77	0.73	4641
	81	72	43.80	26.72	0.61	3294	43.36	26.45	0.61	3324	42.89	26.16	0.61	3354	42.34	25.83	0.61	3380	41.92	25.57	0.61	3397	41.47	25.30	0.61	3509	40.89	24.95	0.61	3661	40.17	24.50	0.61	3905	39.23	23.93	0.61	4083	38.09	23.23	0.61	4235	35.42	21.61	0.61	4445	35.07	21.39	0.61	4489	28.93	17.65	0.61	4658
	81	75	44.41	21.76	0.49	3314	43.97	21.55	0.49	3344	43.49	21.31	0.49	3374	42.94	21.04	0.49	3400	42.51	20.83	0.49	3417	42.05	20.60	0.49	3529	41.47	20.32	0.49	3681	40.73	19.96	0.49	3925	39.78	19.49	0.49	4103	38.62	18.92	0.49	4255	35.92	17.60	0.49	4465	35.56	17.42	0.49	4509	29.34	14.37	0.49	4678
	81	79	45.12	16.70	0.37	3337	44.68	16.53	0.37	3367	44.19	16.35	0.37	3397	43.62	16.14	0.37	3423	43.19	15.98	0.37	3440	42.72	15.81	0.37	3552	42.13	15.59	0.37	3704	41.39	15.31	0.37	3948	40.42	14.95	0.37	4126	39.24	14.52	0.37	4278	36.49	13.50	0.37	4488	36.13	13.37	0.37	4532	29.80	11.03	0.37	4701
	82	64	42.21	37.56	0.89	3285	41.79	37.19	0.89	3315	41.33	36.79	0.89	3345	40.80	36.31	0.89	3372	40.40	35.95	0.89	3389	39.96	35.56	0.89	3501	39.41	35.07	0.89	3655	38.71	34.45	0.89	3902	37.80	33.64	0.89	4082	36.70	32.66	0.89	4234	34.13	30.38	0.89	4447	33.79	30.07	0.89	4491	27.88	24.81	0.89	4662
	82	68	43.07	33.16	0.77	3310	42.64	32.83	0.77	3340	42.18	32.48	0.77	3370	41.63	32.06	0.77	3397	41.22	31.74	0.77	3414	40.77	31.40	0.77	3526	40.21	30.96	0.77	3680	39.50	30.42	0.77	3927	38.57	29.70	0.77	4107	37.45	28.84	0.77	4260	34.83	26.82	0.77	4472	34.48	26.55	0.77	4516	28.45	21.90	0.77	4688
	82	72	43.50	28.27	0.65	3327	43.07	27.99	0.65	3357	42.60	27.69	0.65	3387	42.05	27.33	0.65	3414	41.63	27.06	0.65	3431	41.18	26.77	0.65	3544	40.61	26.40	0.65	3698	39.90	25.93	0.65	3944	38.96	25.32	0.65	4124	37.83	24.59	0.65	4277	35.18	22.87	0.65	4489	34.83	22.64	0.65	4534	28.73	18.68	0.65	4705
	82	75	44.24	23.45	0.53	3347	43.80	23.21	0.53	3377	43.32	22.96	0.53	3407	42.77	22.67	0.53	3434	42.34	22.44	0.53	3451	41.88	22.20	0.53	3564	41.30	21.89	0.53	3718	40.57	21.50	0.53	3964	39.62	21.00	0.53	4144	38.47	20.39	0.53	4297	35.78	18.96	0.53	4509	35.42	18.77	0.53	4554	29.22	15.49	0.53	4725
	82	79	44.86	18.39	0.41	3371	44.41	18.21	0.41	3400	43.93	18.01	0.41	3431	43.36	17.78	0.41	3458	42.94	17.60	0.41	3475	42.47	17.41	0.41	3587	41.88	17.17	0.41	3741	41.14	16.87	0.41	3987	40.18	16.47	0.41	4167	39.01	15.99	0.41	4320	36.28	14.87	0.41	4533	35.91	14.72	0.41	4577	29.63	12.15	0.41	4748
	84	64	42.63	38.79	0.91	3318	42.21	38.41	0.91	3348	41.75	37.99	0.91	3378	41.21	37.50	0.91	3406	40.80	37.13	0.91	3423	40.36	36.73	0.91	3536	39.80	36.22	0.91	3692	39.10	35.58	0.91	3941	38.18	34.74	0.91	4122	37.07	33.73	0.91	4277	34.47	31.37	0.91	4491	34.13	31.06	0.91	4536	28.16	25.62	0.91	4709
	84	68	43.50	35.23	0.81	3343	43.07	34.88	0.81	3373	42.60	34.50	0.81	3404	42.05	34.06	0.81	3431	41.63	33.72	0.81	3448	41.18	33.36	0.81	3562	40.61	32.90	0.81	3717	39.90	32.32	0.81	3966	38.96	31.56	0.81	4148	37.83	30.64	0.81	4302	35.18	28.49	0.81	4517	34.83	28.21	0.81	4562	28.73	23.27	0.81	4734
	84	72	44.37	30.61	0.69	3360	43.93	30.31	0.69	3391	43.45	29.98	0.69	3421	42.89	29.60	0.69	3448	42.47	29.30	0.69	3466	42.01	28.98	0.69	3579	41.43	28.58	0.69	3735	40.69	28.08	0.69	3983	39.74	27.42	0.69	4165	38.58	26.62	0.69	4320	35.88	24.76	0.69	4534	35.52	24.51	0.69	4579	29.31	20.22	0.69	4752
	84	75	44.68	25.47	0.57	3381	44.24	25.21	0.57	3411	43.76	24.94	0.57	3441	43.19	24.62	0.57	3469	42.77	24.38	0.57	3486	42.30	24.11	0.57	3599	41.72	23.78	0.57	3755	40.98	23.36	0.57	4004	40.02	22.81	0.57	4186	38.85	22.15	0.57	4340	36.13	20.60	0.57	4554	35.77	20.39	0.57	4599	29.51	16.82	0.57	4772
	84	79	45.30	20.39	0.45	3404	44.86	20.19	0.45	3434	44.37	19.97	0.45	3465	43.80	19.71	0.45	3492	43.36	19.51	0.45	3509	42.89	19.30	0.45	3623	42.30	19.04	0.45	3778	41.55	18.70	0.45	4027	40.58	18.26	0.45	4209	39.40	17.73	0.45	4363	36.64	16.49	0.45	4578	36.27	16.32	0.45	4623	29.93	13.47	0.45	4796
	86	64	43.05	39.18	0.91	3351	42.63	38.79	0.91	3381	42.16	38.37	0.91	3412	41.62	37.88	0.91	3440	41.21	37.50	0.91	3457	40.76	37.09	0.91	3572	40.20	36.58	0.91	3729	39.49	35.93	0.91	3980	38.56	35.09	0.91	4164	37.44	34.07	0.91	4320	34.82	31.69	0.91	4536	34.47	31.37	0.91	4581	28.44	25.88	0.91	4756
	86	68	43.93	37.34	0.85	3376	43.50	36.97	0.85	3407	43.02	36.57	0.85	3438	42.47	36.10	0.85	3465	42.05	35.74	0.85	3483	41.59	35.35	0.85	3597	41.02	34.87	0.85	3754	40.29	34.25	0.85	4006	39.35	33.45	0.85	4189	38.20	32.47	0.85	4345	35.53	30.20	0.85	4562	35.17	29.90	0.85	4607	29.02	24.67	0.85	4782
	86	72	44.81	32.71	0.73	3394	44.37	32.39	0.73	3424	43.88	32.04	0.73	3455	43.32	31.62	0.73	3483	42.89	31.31	0.73	3500	42.43	30.97	0.73	3615	41.84	30.54	0.73	3772	41.10	30.00	0.73	4023	40.14	29.30	0.73	4207	38.97	28.45	0.73	4363	36.24	26.46	0.73	4579	35.88	26.19	0.73	4625	29.60	21.61	0.73	4799
	86	75	45.13	27.53	0.61	3415	44.68	27.25	0.61	3445	44.19	26.96	0.61	3476	43.63	26.61	0.61	3504	43.19	26.35	0.61	3521	42.72	26.06	0.61	3635	42.13	25.70	0.61	3792	41.39	25.25	0.61	4044	40.42	24.66	0.61	4228	39.24	23.94	0.61	4383	36.49	22.26	0.61	4600	36.13	22.04	0.61	4645	29.81	18.18	0.61	4820
	86	79	45.76	22.42	0.49	3438	45.30	22.20	0.49	3469	44.81	21.96	0.49	3500	44.24	21.68	0.49	3527	43.80	21.46	0.49	3545	43.32	21.23	0.49	3659	42.72	20.93	0.49	3816	41.97	20.56	0.49	4068	40.98	20.08	0.49	4251	39.79	19.50	0.49	4407	37.01	18.13	0.49	4624	36.64	17.95	0.49	4669	30.22	14.81	0.49	4844
	88	64	43.48	39.57	0.91	3384	43.05	39.18	0.91	3415	42.58	38.75	0.91	3446	42.04	38.25	0.91	3474	41.62	37.88	0.91	3492	41.17	37.46	0.91	3607	40.60	36.95	0.91	3766	39.88	36.29	0.91	4020	38.95	35.44	0.91	4205	37.81	34.41	0.91	4363	35.17	32.00	0.91	4581	34.82	31.68	0.91	4627	28.72	26.14	0.91	4804
	88	68	44.37	39.49	0.89	3410	43.93	39.10	0.89	3441	43.45	38.67	0.89	3472	42.90	38.18	0.89	3500	42.47	37.80	0.89	3518	42.01	37.39	0.89	3633	41.43	36.87	0.89	3792	40.70	36.22	0.89	4046	39.74	35.37	0.89	4231	38.59	34.34	0.89	4389	35.88	31.94	0.89	4607	35.53	31.62	0.89	4653	29.31	26.08	0.89	4830
	88	72	45.26	34.85	0.77	3428	44.81	34.50	0.77	3459	44.32	34.13	0.77	3490	43.75	33.69	0.77	3518	43.32	33.36	0.77	3535	42.85	32.99	0.77	3651	42.26	32.54	0.77	3810	41.51	31.96	0.77	4064	40.54	31.21	0.77	4249	39.36	30.31	0.77	4406	36.60	28.18	0.77	4625	36.24	27.90	0.77	4671	29.89	23.02	0.77	4847
	88	75	45.58	29.62	0.65	3449	45.13	29.33	0.65	3480	44.63	29.01	0.65	3511	44.06	28.64	0.65	3539	43.63	28.36	0.65	3556	43.15	28.05	0.65	3672	42.56	27.66	0.65	3830	41.80	27.17	0.65	4084	40.82	26.53	0.65	4270	39.63	25.76	0.65	4427	36.86	23.96	0.65	4646	36.49	23.72	0.65	4692	30.11	19.57	0.65	4868
	88	79	46.21	24.49	0.53	3473	45.76	24.25	0.53	3503	45.26	23.99	0.53	3535	44.68	23.68	0.53	3562	44.24	23.45	0.53	3580	43.76	23.19	0.53	3696	43.15	22.87	0.53	3854	42.39	22.47	0.53	4108	41.39	21.94	0.53	4294	40.19	21.30	0.53	4451	37.38	19.81	0.53	4670	37.00	19.61	0.53	4716	30.53	16.18	0.53	4892
	90	64	43.92	39.97	0.91	3418	43.48	39.57	0.91	3449	43.01	39.14	0.91	3481	42.46	38.64	0.91	3509	42.04	38.25	0.91	3526	41.58	37.84	0.91	3643	41.01	37.32	0.91	3804	40.28	36.66	0.91	4060	39.34	35.80	0.91	4247	38.19	34.75	0.91	4406	35.52	32.32	0.91	4627	35.16	32.00	0.91	4674	29.01	26.40	0.91	4852
	90	68	44.82	40.78	0.91	3444	44.37	40.38	0.91	3475	43.89	39.94	0.91	3507	43.33	39.43	0.91	3535	42.90	39.04	0.91	3553	42.43	38.61	0.91	3670	41.84	38.08	0.91	3830	41.10	37.40	0.91	4086	40.14	36.53	0.91	4274	38.97	35.46	0.91	4433	36.24	32.98	0.91	4653	35.88	32.65	0.91	4700	29.60	26.94	0.91	4878
	90	72	45.71	37.03	0.81	3462	45.26	36.66	0.81	3493	44.77	36.26	0.81	3525	44.19	35.80	0.81	3553	43.75	35.44	0.81	3571	43.28	35.06	0.81	3688	42.68	34.57	0.81	3848	41.93	33.96	0.81	4104	40.94	33.16	0.81	4291	39.75	32.20	0.81	4451	36.97	29.94	0.81	4671	36.60	29.64	0.81	4718	30.19	24.46	0.81	4896
	90	75	46.03	31.76	0.69	3483	45.58	31.45	0.69	3514	45.08	31.11	0.69	3546	44.50	30.71	0.69	3574	44.06	30.40	0.69	3592	43.58	30.07	0.69	3709	42.98	29.66	0.69	3869	42.22	29.13	0.69	4125	41.23	28.45	0.69	4313	40.03	27.62	0.69	4472	37.23	25.69	0.69	4692	36.86	25.43	0.69	4739	30.41	20.98	0.69	4917
	90	79	46.68	26.61	0.57	3507	46.21	26.34	0.57	3539	45.71	26.06	0.57	3570	45.13	25.72	0.57	3598	44.68	25.47	0.57	3616	44.19	25.19	0.57	3733	43.58	24.84	0.57	3893	42.81	24.40	0.57	4149	41.81	23.83	0.57	4337	40.59	23.14	0.57	4496	37.75	21.52	0.57	4717	37.37	21.30	0.57	4763	30.83	17.57	0.57	4941

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																		
	OUTDOOR DB (°F)																		
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126				
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	
110%	70	64	23.00	14.03	0.61	4376	20.47	12.49	0.61	4464	19.65	11.99	0.61	4509	18.67	11.39	0.61	4599	
	70	68	23.95	11.73	0.49	4400	21.31	10.44	0.49	4488	20.46	10.03	0.49	4532	19.44	9.52	0.49	4623	
	72	64	23.71	15.41	0.65	4421	21.10	13.72	0.65	4509	20.26	13.17	0.65	4554	19.24	12.51	0.65	4646	
	72	68	24.44	12.95	0.53	4444	21.75	11.53	0.53	4533	20.88	11.07	0.53	4578	19.83	10.51	0.53	4670	
	72	72	24.85	10.19	0.41	4461	22.12	9.07	0.41	4549	21.23	8.71	0.41	4594	20.17	8.27	0.41	4686	
	73	64	24.19	16.69	0.69	4465	21.53	14.86	0.69	4555	20.67	14.26	0.69	4600	19.64	13.55	0.69	4693	
	73	68	24.93	14.21	0.57	4489	22.19	12.65	0.57	4579	21.30	12.14	0.57	4624	20.24	11.54	0.57	4717	
	73	72	25.36	11.41	0.45	4506	22.57	10.16	0.45	4595	21.67	9.75	0.45	4641	20.58	9.26	0.45	4733	
	75	64	24.69	18.02	0.73	4510	21.97	16.04	0.73	4601	21.09	15.40	0.73	4647	20.04	14.63	0.73	4740	
	75	68	25.44	15.52	0.61	4535	22.64	13.81	0.61	4625	21.74	13.26	0.61	4671	20.65	12.60	0.61	4764	
	75	72	25.88	12.68	0.49	4551	23.03	11.28	0.49	4642	22.11	10.83	0.49	4688	21.00	10.29	0.49	4781	
	75	75	26.24	9.71	0.37	4571	23.35	8.64	0.37	4661	22.42	8.29	0.37	4707	21.30	7.88	0.37	4800	
	77	64	25.45	19.60	0.77	4556	22.65	17.44	0.77	4647	21.75	16.74	0.77	4694	20.66	15.91	0.77	4788	
	77	68	26.23	17.05	0.65	4580	23.34	15.17	0.65	4672	22.41	14.57	0.65	4718	21.29	13.84	0.65	4812	
	77	72	26.68	14.14	0.53	4597	23.74	12.58	0.53	4688	22.79	12.08	0.53	4735	21.65	11.48	0.53	4829	
	77	75	27.05	11.09	0.41	4617	24.07	9.87	0.41	4708	23.11	9.48	0.41	4755	21.96	9.00	0.41	4849	
	79	64	26.24	21.25	0.81	4602	23.35	18.92	0.81	4694	22.42	18.16	0.81	4741	21.30	17.25	0.81	4836	
	79	68	27.04	18.66	0.69	4627	24.07	16.61	0.69	4719	23.10	15.94	0.69	4766	21.95	15.14	0.69	4861	
	79	72	27.50	15.68	0.57	4644	24.48	13.95	0.57	4736	23.50	13.39	0.57	4783	22.32	12.72	0.57	4878	
	79	75	27.89	12.55	0.45	4663	24.82	11.17	0.45	4756	23.83	10.72	0.45	4803	22.63	10.19	0.45	4898	
	79	79	28.33	9.35	0.33	4686	25.22	8.32	0.33	4778	24.21	7.99	0.33	4825	23.00	7.59	0.33	4920	
	81	64	26.77	22.76	0.85	4648	23.83	20.25	0.85	4742	22.88	19.44	0.85	4789	21.73	18.47	0.85	4885	
	81	66	27.32	21.58	0.79	4658	24.31	19.21	0.79	4752	23.34	18.44	0.79	4799	22.18	17.52	0.79	4895	
	81	68	27.59	20.14	0.73	4673	24.56	17.93	0.73	4767	23.58	17.21	0.73	4814	22.40	16.35	0.73	4910	
	81	72	28.06	17.12	0.61	4690	24.98	15.24	0.61	4784	23.98	14.63	0.61	4831	22.78	13.89	0.61	4927	
	81	75	28.46	13.94	0.49	4710	25.33	12.41	0.49	4804	24.31	11.91	0.49	4851	23.10	11.32	0.49	4947	
	81	79	28.91	10.70	0.37	4733	25.73	9.52	0.37	4827	24.70	9.14	0.37	4874	23.47	8.68	0.37	4970	
	82	64	27.04	24.07	0.89	4695	24.07	21.42	0.89	4789	23.10	20.56	0.89	4837	21.95	19.53	0.89	4934	
	82	68	27.59	21.25	0.77	4720	24.56	18.91	0.77	4814	23.58	18.15	0.77	4862	22.40	17.25	0.77	4959	
	82	72	27.87	18.12	0.65	4737	24.80	16.12	0.65	4831	23.81	15.48	0.65	4879	22.62	14.70	0.65	4976	
	82	75	28.34	15.02	0.53	4758	25.23	13.37	0.53	4852	24.22	12.83	0.53	4900	23.01	12.19	0.53	4997	
	82	79	28.74	11.78	0.41	4781	25.58	10.49	0.41	4875	24.56	10.07	0.41	4923	23.33	9.56	0.41	5020	
	84	64	27.31	24.85	0.91	4742	24.31	22.12	0.91	4837	23.34	21.24	0.91	4885	22.17	20.17	0.91	4983	
	84	68	27.87	22.57	0.81	4767	24.80	20.09	0.81	4862	23.81	19.29	0.81	4911	22.62	18.32	0.81	5009	
	84	72	28.43	19.61	0.69	4785	25.30	17.46	0.69	4880	24.29	16.76	0.69	4928	23.07	15.92	0.69	5026	
	84	75	28.63	16.32	0.57	4805	25.48	14.52	0.57	4900	24.46	13.94	0.57	4949	23.24	13.24	0.57	5047	
	84	79	29.03	13.06	0.45	4829	25.83	11.63	0.45	4924	24.80	11.16	0.45	4972	23.56	10.60	0.45	5070	
	86	64	27.59	25.10	0.91	4789	24.55	22.34	0.91	4885	23.57	21.45	0.91	4934	22.39	20.38	0.91	5033	
	86	68	28.15	23.93	0.85	4815	25.05	21.29	0.85	4911	24.05	20.44	0.85	4960	22.85	19.42	0.85	5059	
	86	72	28.71	20.96	0.73	4833	25.55	18.65	0.73	4929	24.53	17.91	0.73	4978	23.30	17.01	0.73	5076	
	86	75	28.91	17.64	0.61	4853	25.73	15.70	0.61	4949	24.70	15.07	0.61	4998	23.47	14.32	0.61	5097	
	86	79	29.32	14.37	0.49	4877	26.09	12.79	0.49	4973	25.05	12.27	0.49	5022	23.80	11.66	0.49	5121	
	88	64	27.86	25.35	0.91	4837	24.80	22.56	0.91	4934	23.80	21.66	0.91	4984	22.61	20.58	0.91	5084	
	88	68	28.43	25.30	0.89	4863	25.30	22.52	0.89	4960	24.29	21.62	0.89	5010	23.08	20.54	0.89	5110	
	88	72	29.00	22.33	0.77	4881	25.81	19.87	0.77	4978	24.78	19.08	0.77	5027	23.54	18.12	0.77	5127	
	88	75	29.20	18.98	0.65	4902	25.99	16.89	0.65	4999	24.95	16.22	0.65	5048	23.70	15.41	0.65	5148	
	88	79	29.61	15.69	0.53	4926	26.35	13.97	0.53	5023	25.30	13.41	0.53	5072	24.03	12.74	0.53	5172	
	90	64	28.14	25.61	0.91	4886	25.04	22.79	0.91	4984	24.04	21.88	0.91	5033	22.84	20.78	0.91	5134	
	90	68	28.71	26.13	0.91	4912	25.56	23.26	0.91	5010	24.53	22.33	0.91	5060	23.31	21.21	0.91	5161	
	90	72	29.29	23.72	0.81	4930	26.07	21.11	0.81	5028	25.02	20.27	0.81	5078	23.77	19.26	0.81	5178	
	90	75	29.49	20.35	0.69	4951	26.25	18.11	0.69	5049	25.20	17.39	0.69	5099	23.94	16.52	0.69	5200	
	90	79	29.91	17.05	0.57	4975	26.62	15.17	0.57	5073	25.55	14.56	0.57	5123	24.27	13.84	0.57	5224	

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

Cooling Operation PERFORMANCE DATA

OUTDOOR DB (°F)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	34.85	21.26	0.61	2987	34.50	21.05	0.61	3014	34.13	20.82	0.61	3042	33.69	20.55	0.61	3066	33.36	20.35	0.61	3082	32.99	20.13	0.61	3184	32.54	19.85	0.61	3324	31.96	19.50	0.61	3548	31.21	19.04	0.61	3712	30.31	18.49	0.61	3851	28.18	17.19	0.61	4044	27.90	17.02	0.61	4084	23.02	14.04	0.61	4240
	70	68	36.29	17.78	0.49	3010	35.93	17.60	0.49	3038	35.54	17.41	0.49	3065	35.08	17.19	0.49	3090	34.73	17.02	0.49	3105	34.36	16.83	0.49	3207	33.88	16.60	0.49	3347	33.28	16.31	0.49	3571	32.50	15.93	0.49	3735	31.56	15.46	0.49	3874	29.35	14.38	0.49	4067	29.05	14.24	0.49	4108	23.97	11.74	0.49	4263
	72	64	35.93	23.35	0.65	3017	35.57	23.12	0.65	3045	35.18	22.87	0.65	3072	34.73	22.58	0.65	3097	34.39	22.35	0.65	3113	34.02	22.11	0.65	3216	33.55	21.80	0.65	3357	32.95	21.42	0.65	3584	32.18	20.92	0.65	3749	31.24	20.31	0.65	3890	29.06	18.89	0.65	4085	28.77	18.70	0.65	4125	23.73	15.43	0.65	4283
	72	68	37.03	19.62	0.53	3041	36.66	19.43	0.53	3068	36.26	19.22	0.53	3096	35.80	18.97	0.53	3121	35.44	18.78	0.53	3137	35.06	18.58	0.53	3240	34.57	18.32	0.53	3381	33.96	18.00	0.53	3608	33.17	17.58	0.53	3773	32.20	17.07	0.53	3913	29.95	15.87	0.53	4108	29.65	15.71	0.53	4149	24.46	12.96	0.53	4306
	72	72	37.66	15.44	0.41	3057	37.28	15.29	0.41	3085	36.88	15.12	0.41	3112	36.41	14.93	0.41	3137	36.04	14.78	0.41	3153	35.65	14.62	0.41	3256	35.16	14.42	0.41	3397	34.54	14.16	0.41	3624	33.73	13.83	0.41	3789	32.75	13.43	0.41	3929	30.45	12.49	0.41	4124	30.15	12.36	0.41	4165	24.87	10.20	0.41	4323
	73	64	36.66	25.30	0.69	3048	36.30	25.05	0.69	3075	35.90	24.77	0.69	3103	35.44	24.46	0.69	3128	35.09	24.21	0.69	3144	34.71	23.95	0.69	3248	34.23	23.62	0.69	3391	33.62	23.20	0.69	3620	32.84	22.66	0.69	3787	31.88	22.00	0.69	3929	29.65	20.46	0.69	4126	29.35	20.25	0.69	4167	24.22	16.71	0.69	4326
	73	68	37.78	21.54	0.57	3072	37.41	21.32	0.57	3099	37.00	21.09	0.57	3127	36.53	20.82	0.57	3152	36.17	20.61	0.57	3168	35.77	20.39	0.57	3273	35.28	20.11	0.57	3415	34.65	19.75	0.57	3644	33.84	19.29	0.57	3811	32.86	18.73	0.57	3953	30.56	17.42	0.57	4150	30.25	17.24	0.57	4191	24.96	14.23	0.57	4350
	73	72	38.43	17.29	0.45	3088	38.04	17.12	0.45	3116	37.63	16.93	0.45	3144	37.15	16.72	0.45	3169	36.78	16.55	0.45	3185	36.38	16.37	0.45	3289	35.88	16.14	0.45	3432	35.24	15.86	0.45	3660	34.42	15.49	0.45	3827	33.41	15.04	0.45	3969	31.08	13.98	0.45	4166	30.77	13.84	0.45	4207	25.38	11.42	0.45	4366
	75	64	37.41	27.31	0.73	3078	37.04	27.04	0.73	3106	36.64	26.74	0.73	3135	36.17	26.40	0.73	3160	35.81	26.14	0.73	3176	35.42	25.85	0.73	3281	34.93	25.50	0.73	3426	34.31	25.05	0.73	3657	33.51	24.46	0.73	3825	32.53	23.75	0.73	3969	30.25	22.09	0.73	4167	29.95	21.86	0.73	4209	24.71	18.04	0.73	4370
	75	68	38.55	23.52	0.61	3103	38.17	23.29	0.61	3131	37.76	23.03	0.61	3159	37.27	22.74	0.61	3184	36.90	22.51	0.61	3200	36.50	22.27	0.61	3306	36.00	21.96	0.61	3450	35.36	21.57	0.61	3681	34.53	21.06	0.61	3850	33.53	20.45	0.61	3993	31.18	19.02	0.61	4192	30.87	18.83	0.61	4233	25.47	15.53	0.61	4394
	75	72	39.21	19.21	0.49	3119	38.82	19.02	0.49	3147	38.40	18.82	0.49	3175	37.91	18.57	0.49	3201	37.53	18.39	0.49	3217	37.12	18.19	0.49	3322	36.61	17.94	0.49	3466	35.96	17.62	0.49	3697	35.12	17.21	0.49	3866	34.10	16.71	0.49	4009	31.71	15.54	0.49	4208	31.39	15.38	0.49	4250	25.90	12.69	0.49	4410
	75	75	39.76	14.71	0.37	3139	39.36	14.56	0.37	3167	38.94	14.41	0.37	3195	38.44	14.22	0.37	3220	38.06	14.08	0.37	3236	37.64	13.93	0.37	3341	37.12	13.74	0.37	3486	36.47	13.49	0.37	3717	35.61	13.18	0.37	3885	34.57	12.79	0.37	4029	32.15	11.90	0.37	4228	31.83	11.78	0.37	4269	26.26	9.72	0.37	4430
	77	64	38.57	29.70	0.77	3109	38.18	29.40	0.77	3138	37.77	29.08	0.77	3166	37.28	28.71	0.77	3192	36.91	28.42	0.77	3208	36.51	28.12	0.77	3314	36.01	27.73	0.77	3460	35.37	27.24	0.77	3694	34.54	26.60	0.77	3864	33.54	25.82	0.77	4009	31.19	24.02	0.77	4210	30.88	23.78	0.77	4252	25.47	19.62	0.77	4414
	77	68	39.75	25.84	0.65	3134	39.35	25.58	0.65	3162	38.92	25.30	0.65	3191	38.43	24.98	0.65	3216	38.04	24.73	0.65	3233	37.63	24.46	0.65	3339	37.11	24.12	0.65	3485	36.46	23.70	0.65	3718	35.60	23.14	0.65	3888	34.56	22.47	0.65	4033	32.14	20.89	0.65	4234	31.82	20.68	0.65	4276	26.25	17.07	0.65	4438
	77	72	40.42	21.42	0.53	3151	40.02	21.21	0.53	3179	39.59	20.98	0.53	3208	39.08	20.71	0.53	3233	38.69	20.51	0.53	3249	38.27	20.28	0.53	3356	37.74	20.00	0.53	3501	37.07	19.65	0.53	3735	36.21	19.19	0.53	3905	35.15	18.63	0.53	4050	32.69	17.33	0.53	4251	32.36	17.15	0.53	4293	26.70	14.15	0.53	4455
	77	75	40.99	16.81	0.41	3170	40.58	16.64	0.41	3199	40.14	16.46	0.41	3227	39.63	16.25	0.41	3253	39.23	16.09	0.41	3269	38.81	15.91	0.41	3375	38.27	15.69	0.41	3521	37.59	15.41	0.41	3754	36.71	15.05	0.41	3925	35.64	14.61	0.41	4069	33.15	13.59	0.41	4270	32.82	13.45	0.41	4312	27.07	11.10	0.41	4474
	79	64	39.76	32.20	0.81	3141	39.37	31.89	0.81	3169	38.94	31.54	0.81	3198	38.44	31.13	0.81	3224	38.06	30.83	0.81	3240	37.64	30.49	0.81	3348	37.12	30.07	0.81	3495	36.47	29.54	0.81	3731	35.61	28.85	0.81	3903	34.57	28.01	0.81	4049	32.15	26.04	0.81	4252	31.83	25.78	0.81	4295	26.26	21.27	0.81	4458
	79	68	40.98	28.27	0.69	3166	40.57	27.99	0.69	3194	40.13	27.69	0.69	3223	39.61	27.33	0.69	3249	39.22	27.06	0.69	3265	38.79	26.77	0.69	3373	38.26	26.40	0.69	3520	37.58	25.93	0.69	3756	36.70	25.32	0.69	3928	35.63	24.59	0.69	4074	33.14	22.87	0.69	4277	32.81	22.64	0.69	4319	27.07	18.68	0.69	4483
	79	72	41.67	23.75	0.57	3182	41.26	23.52	0.57	3211	40.81	23.26	0.57	3240	40.29	22.96	0.57	3266	39.89	22.74	0.57	3282	39.45	22.49	0.57	3390	38.91	22.18	0.57	3537	38.22	21.79	0.57	3772	37.33	21.28	0.57	3945	36.24	20.66	0.57	4091	33.70	19.21	0.57	4294	33.36	19.02	0.57	4336	27.53	15.69	0.57	4500
	79	75	42.26	19.02	0.45	3202	41.84	18.83	0.45	3231	41.38	18.62	0.45	3260	40.85	18.38	0.45	3286	40.45	18.20	0.45	3302	40.01	18.00	0.45	3409	39.45	17.75	0.45	3557	38.76	17.44	0.45	3792	37.85	17.03	0.45	3964	36.75	16.54	0.45	4110	34.17	15.38	0.45	4313	33.83	15.22	0.45	4356	27.91	12.56	0.45	4520
	79	79	42.93	14.17	0.33	3225	42.51	14.03	0.33	3254	42.04	13.87	0.33	3283	41.50	13.70	0.33	3308	41.09	13.56	0.33	3325	40.65	13.41	0.33	3432	40.09	13.23	0.33	3579	39.38	12.99	0.33	3815	38.45	12.69	0.33	3987	37.33	12.32	0.33	4133	34.72	11.46	0.33	4336	34.37	11.34	0.33	4379	28.36	9.36	0.33	4542
	81	64	40.57	34.48	0.85	3173	40.17	34.14	0.85	3201	39.73	33.77	0.85	3231	39.22	33.34	0.85	3257	38.83	33.01	0.85	3273	38.41	32.65	0.85	3382	37.88	32.20	0.85	3530	37.21	31.63	0.85	3768	36.34	30.89	0.85	3942	35.28	29.99	0.85	4090	32.81	27.89	0.85	4295	32.48	27.61	0.85	4338	26.80	22.78	0.85	4503
	81	66	41.40	32.70	0.79	3183	40.99	32.38	0.79	3211	40.54	32.03	0.79	3241	40.02	31.62	0.79	3267	39.63	31.30	0.79	3283	39.19	30.96	0.79	3392	38.65	30.54	0.79	3540	37.97	30.00	0.79	3778	37.08	29.29	0.79	3952	36.00	28.44	0.79	4100	33.48	26.45	0.79	4305	33.15	26.18	0.79	4348	27.34	21.60	0.79	4513
	81	68	41.81	30.52	0.73	3198	41.40	30.22	0.73	3226	40.95	29.89	0.73	3256	40.42	29.51	0.73	3282	40.02	29.22	0.73	3298	39.59	28.90	0.73	3407	39.04	28.50	0.73	3555	38.35	28.00	0.73	3793	37.45	27.34	0.73	3967	36.36	26.54	0.73	4115	33.81	24.68	0.73	4320	33.48	24.44	0.73	4363	27.62	20.16	0.73	4528
	81	72	42.52	25.94	0.61	3215	42.10	25.68	0.61	3243	41.64	25.40	0.61	3273	41.11	25.08	0.61	3299	40.70	24.83	0.61	3315	40.26	24.56	0.61	3424	39.70	24.22	0.61	3572	39.00	23.79	0.61	3810	38.09	23.23	0.61	3984	36.98	22.56	0.61	4132	34.39	20.98	0.61	4337	34.05	20.77	0.61	4380	28.09	17.13	0.61	4545
	81	75	43.12	21.13	0.49	3235	42.69	20.92	0.49	3263	42.23	20.69	0.49	3293	41.68	20.43	0.49	3319	41.27	20.22	0.49	3335	40.82	20.00	0.49	3444	40.26	19.73	0.49	3592	39.55	19.38	0.49	3830	38.62	18.92	0.49	4004	37.50	18.37	0.49	4152	34.87	17.09	0.49	4357	34.52	16.92	0.49	4400	28.48	13.96	0.49	4565
	81	79	43.81	16.21	0.37	3258	43.37	16.05	0.37	3286	42.90	15.87	0.37	3316	42.35	15.67	0.37	3342	41.93	15.52	0.37	3358	41.48	15.35	0.37	3467	40.90	15.13	0.37	3615	40.18	14.87	0.37	3853	39.24	14.52	0.37	4027	38.10	14.10	0.37	4175	35.43	13.11	0.37	4380	35.07	12.98	0.37	4423	28.94	10.71	0.37	4588
	82	64	40.98	36.47	0.89	3204	40.57	36.11	0.89	3234	40.13	35.71	0.89	3263	39.61	35.26	0.89	3289	39.22	34.91	0.89	3306	38.79	34.53	0.89	3416	38.26	34.05	0.89	3566	37.58	33.45	0.89	3806	36.70	32.66	0.89	3982	35.63	31.71	0.89	4131	33.14	29.49	0.89	4338	32.81	29.20	0.89	4381	27.07	24.09	0.89	4548
	82	68	41.81	32.20	0.77	3230	41.40	31.88	0.77	3259	40.95	31.53	0.77	3288	40.42	31.13	0.77	3315	40.02	30.82	0.77	3331	39.59	30.48	0.77	3441	39.04	30.06	0.77	3591	38.35	29.53	0.77	3831	37.45	28.84	0.77	4007	36.36	28.00	0.77	4156	33.81	26.04	0.77	4363	33.48	25.78	0.77	4407	27.62	21.27	0.77	4574
	82	72	42.23	27.45	0.65	3247	41.81	27.18	0.65	3276	41.36	26.88	0.65	3305	40.83	26.54	0.65	3332	40.42	26.27	0.65	3348	39.98	25.99	0.65	3458	39.43	25.63	0.65	3608	38.73	25.18	0.65	3849	37.83	24.59	0.65	4024	36.72	23.87	0.65	4173	34.15	22.20	0.65	4380	33.81	21.98	0.65	4424	27.89	18.13	0.65	4591
	82	75	42.95	22.76	0.53	3267	42.52	22.54	0.53	3296	42.06	22.29	0.53	3326	41.52	22.01	0.53	3352	41.11	21.79	0.53	3369	40.66	21.55	0.53	3478	40.10	21.25	0.53	3628	39.39	20.88	0.53	3869	38.47	20.39	0.53	4044	37.35	19.79	0.53	4194	34.73	18.41	0.53	4401	34.39	18.22	0.53	4444	28.37	15.04	0.53	4611
	82	79	43.55	17.86	0.41	3290	43.12	17.68	0.41	3319	42.65	17.49	0.41	3349	42.10	17.26	0.41	3375	41.68	17.09	0.41	3392	41.23	16.90	0.41	3501	40.66	16.67	0.41	3652	39.94	16.38	0.41	3892	39.01	15.99	0.41	4068	37.87	15.53	0.41	4217	35.22	14.44	0.41	4424	34.87	14.30	0.41	4467	28.77	11.79	0.41	4634
	84	64	41.39	37.66	0.91	3236	40.98	37.29	0.91	3266	40.53	36.88	0.91	3296	40.01	36.41	0.91	3322	39.61	36.05	0.91	3339	39.18	35.66	0.91	3450	38.64	35.16	0.91	3601	37.96	34.54	0.91	3844	37.07	33.73	0.91	4022	35.99	32.75	0.91	4172	33.47	30.46	0.91	4381	33.14	30.15	0.91	4425	27.34	24.88	0.91	4594
	84	68	42.23	34.21	0.81	3262	41.81	33.87	0.81	3291	41.36	33.50	0.81	3321	40.83	33.07	0.81	3348	40.42	32.74	0.81	3365	39.98	32.39	0.81	3475	39.43	31.94	0.81	3627	38.73	31.37	0.81	3870	37.83	30.64	0.81	4047	36.72	29.75	0.81	4198	34.15	27.66	0.81	4407	33.81	27.39	0.81	4451	27.89	22.59	0.81	4619
	84	72	43.07	29.72	0.69	3279	42.65	29.43	0.69	3309	42.18	29.11	0.69	3338	41.64	28.73	0.69	3365	41.23	28.45	0.69	3382	40.78	28.14	0.69	3493	40.22	27.75	0.69	3644	39.51	27.26	0.69	3887	38.58	26.62	0.69	4064	37.46	25.85	0.69	4215	34.84	24.04	0.69	4424	34.49	23.80	0.69	4468	28.45	19.63	0.69	4637
	84	75	43.38	24.73	0.57	3300	42.95	24.48	0.57	3329	42.48	24.21	0.57	3359	41.94	23.90	0.57	3386	41.52	23.67	0.57	3402	41.07	23.41	0.57	3513	40.50	23.09	0.57	3665	39.79	22.68	0.57	3907	38.85	22.15	0.57	4085	37.72	21.50	0.57	4235	35.08	20.00	0.57	4445	34.73	19.80	0.57	4488	28.65	16.33	0.57	4657
	84	79	43.98	19.79	0.45	3323	43.55	19.60	0.45	3353	43.08	19.38	0.45	3382	42.52	19.14	0.45	3409	42.10	18.95	0.45	3426	41.64	18.74	0.45	3536	41.07	18.48	0.45	3688	40.34	18.15	0.45	3931	39.40	17.73	0.45	4108	38.25	17.21	0.45	4259	35.57	16.01	0.45	4468	35.22	15.85	0.45	4512	29.05	13.07	0.45	4681
	86	64	41.80	38.04	0.91	3269	41.39	37.66	0.91	3299	40.94	37.25	0.91	3329	40.41	36.77	0.91	3355	40.01	36.41	0.91	3372	39.57	36.01	0.91	3484	39.03	35.52	0.91	3637	38.34	34.89	0.91	3883	37.44	34.07	0.91	4062	36.35	33.08	0.91	4214	33.80	30.76	0.91	4425	33.47	30.45	0.91	4469	27.61	25.13	0.91	4640
	86	68	42.65	36.25	0.85	3294	42.23	35.90	0.85	3324	41.77	35.51	0.85	3354	41.23	35.05	0.85	3381	40.83	34.70	0.85	3398	40.38	34.32	0.85	3510	39.82	33.85	0.85	3663	39.12	33.25	0.85	3908	38.20	32.47	0.85	4088	37.09	31.53	0.85	4240	34.49	29.32	0.85	4451	34.15	29.03	0.85	4495	28.17	23.95	0.85	4665
	86	72	43.51	31.76	0.73	3312	43.07	31.44	0.73	3342	42.61	31.10	0.73	3372	42.06	30.70	0.73	3399	41.64	30.40	0.73	3416	41.19	30.07	0.73	3527	40.62	29.65	0.73	3681	39.90	29.13	0.73	3926	38.97	28.45	0.73	4105	37.83	27.62	0.73	4257	35.18	25.68	0.73	4468	34.83	25.43	0.73	4513	28.74	20.98	0.73	4683
	86	75	43.81	26.72	0.61	3333	43.38	26.46	0.61	3362	42.91	26.17	0.61	3392	42.35	25.84	0.61	3419	41.94	25.58	0.61	3436	41.48	25.30	0.61	3548	40.91	24.95	0.61	3701	40.18	24.51	0.61	3947	39.24	23.94	0.61	4126	38.10	23.24	0.61	4278	35.43	21.61	0.61	4489	35.08	21.40	0.61	4533	28.94	17.65	0.61	4704
	86	79	44.42	21.77	0.49	3356	43.98	21.55	0.49	3386	43.51	21.32	0.49	3416	42.95	21.04	0.49	3443	42.52	20.84	0.49	3460	42.06	20.61	0.49	3572	41.48	20.32	0.49	3725	40.75	19.97	0.49	3970	39.79	19.50	0.49	4149	38.63	18.93	0.49	4302	35.93	17.60	0.49	4513	35.57	17.43	0.49	4557	29.34	14.38	0.49	4727
	88	64	42.22	38.42	0.91	3301	41.80	38.04	0.91	3331	41.34	37.62	0.91	3362	40.81	37.14	0.91	3389	40.41	36.77	0.91	3406	39.97	36.37	0.91	3519	39.42	35.87	0.91	3674	38.72	35.24	0.91	3922	37.81	34.41	0.91	4102	36.71	33.41	0.91	4256	34.14	31.07	0.91	4469	33.80	30.76	0.91	4514	27.89	25.38	0.91	4686
	88	68	43.08	38.34	0.89	3327	42.65	37.96	0.89	3358	42.19	37.55	0.89	3388	41.65	37.07	0.89	3415	41.23	36.70	0.89	3432	40.79	36.30	0.89	3545	40.22	35.80	0.89	3700	39.51	35.17	0.89	3948	38.59	34.34	0.89	4128	37.46	33.34	0.89	4282	34.84	31.01	0.89	4495	34.49	30.70	0.89	4540	28.46	25.33	0.89	4712
	88	72	43.94	33.83	0.77	3345	43.51	33.50	0.77	3375	43.03	33.13	0.77	3406	42.48	32.71	0.77	3433	42.06	32.39	0.77	3450	41.60	32.03	0.77	3563	41.03	31.59	0.77	3718	40.30	31.03	0.77	3965	39.36	30.31	0.77	4146	38.21	29.42	0.77	4300	35.54	27.36	0.77	4513	35.18	27.09	0.77	4558	29.02	22.35	0.77	4730
	88	75	44.25	28.76	0.65	3366	43.81	28.48	0.65	3396	43.33	28.17	0.65	3426	42.78	27.81	0.65	3454	42.35	27.53	0.65	3471	41.89	27.23	0.65	3584	41.32	26.86	0.65	3738	40.59	26.38	0.65	3986	39.63	25.76	0.65	4167	38.48	25.01	0.65	4321	35.79	23.26	0.65	4534	35.43	23.03	0.65	4579	29.23	19.00	0.65	4751
	88	79	44.87	23.78	0.53	3390	44.42	23.55	0.53	3420	43.94	23.29	0.53	3450	43.38	22.99	0.53	3477	42.95	22.76	0.53	3495	42.48	22.51	0.53	3608	41.89	22.20	0.53	3762	41.15	21.81	0.53	4010	40.19	21.30	0.53	4191	39.02	20.68	0.53	4345	36.29	19.23	0.53	4558	35.92	19.04	0.53	4603	29.64	15.71	0.53	4775
	90	64	42.64	38.80	0.91	3334	42.22	38.42	0.91	3365	41.76	38.00	0.91	3395	41.22	37.51	0.91	3423	40.81	37.14	0.91	3440	40.37	36.74	0.91	3554	39.81	36.23	0.91	3711	39.11	35.59	0.91	3961	38.19	34.75	0.91	4144	37.08	33.74	0.91	4299	34.48	31.38	0.91	4514	34.14	31.07	0.91	4559	28.16	25.63	0.91	4733
	90	68	43.51	39.59	0.91	3361	43.08	39.20	0.91	3391	42.61	38.78	0.91	3422	42.06	38.28	0.91	3449	41.65	37.90	0.91	3466	41.19	37.49	0.91	3581	40.63	36.97	0.91	3737	39.91	36.32	0.91	3987	38.97	35.46	0.91	4170	37.84	34.43	0.91	4325	35.19	32.02	0.91	4540	34.84	31.70	0.91	4586	28.74	26.15	0.91	4759
	90	72	44.38	35.95	0.81	3379	43.94	35.59	0.81	3409	43.46	35.20	0.81	3440	42.90	34.75	0.81	3467	42.48	34.41	0.81	3484	42.02	34.03	0.81	3598	41.44	33.56	0.81	3755	40.70	32.97	0.81	4005	39.75	32.20	0.81	4188	38.59	31.26	0.81	4343	35.89	29.07	0.81	4558	35.53	28.78	0.81	4603	29.31	23.74	0.81	4777
	90	75	44.69	30.84	0.69	3400	44.25	30.53	0.69	3430	43.77	30.20	0.69	3461	43.21	29.81	0.69	3488	42.78	29.52	0.69	3505	42.31	29.20	0.69	3619	41.73	28.79	0.69	3776	40.99	28.28	0.69	4026	40.03	27.62	0.69	4209	38.86	26.82	0.69	4364	36.14	24.94	0.69	4579	35.78	24.69	0.69	4624	29.52	20.37	0.69	4798
	90	79	45.32	25.83	0.57	3424	44.87	25.58	0.57	3454	44.38	25.30	0.57	3485	43.81	24.97	0.57	3512	43.38	24.73	0.57	3530	42.91	24.46	0.57	3644	42.31	24.12	0.57	3800	41.56	23.69	0.57	4050	40.59	23.14	0.57	4233	39.41	22.46	0.57	4388	36.65	20.89	0.57	4603	36.28	20.68	0.57	4649	29.93	17.06	0.57	4822

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	22.33	13.62	0.61	4269	19.87	12.12	0.61	4355	19.08	11.64	0.61	4399	18.12	11.06	0.61	4487
	70	68	23.25	11.39	0.49	4293	20.69	10.14	0.49	4379	19.86	9.73	0.49	4422	18.87	9.25	0.49	4510
	72	64	23.02	14.96	0.65	4313	20.49	13.32	0.65	4399	19.67	12.78	0.65	4443	18.68	12.14	0.65	4532
	72	68	23.72	12.57	0.53	4336	21.11	11.19	0.53	4423	20.27	10.74	0.53	4467	19.26	10.21	0.53	4556
	72	72	24.13	9.89	0.41	4353	21.47	8.80	0.41	4439	20.61	8.45	0.41	4483	19.58	8.03	0.41	4572
	73	64	23.49	16.21	0.69	4356	20.91	14.42	0.69	4443	20.07	13.85	0.69	4488	19.07	13.16	0.69	4578
	73	68	24.21	13.80	0.57	4380	21.55	12.28	0.57	4468	20.68	11.79	0.57	4512	19.65	11.20	0.57	4602
	73	72	24.62	11.08	0.45	4397	21.91	9.86	0.45	4484	21.04	9.47	0.45	4528	19.98	8.99	0.45	4618
	75	64	23.97	17.50	0.73	4400	21.33	15.57	0.73	4488	20.48	14.95	0.73	4533	19.45	14.20	0.73	4624
	75	68	24.70	15.07	0.61	4424	21.99	13.41	0.61	4513	21.11	12.87	0.61	4558	20.05	12.23	0.61	4648
	75	72	25.12	12.31	0.49	4441	22.36	10.96	0.49	4529	21.46	10.52	0.49	4574	20.39	9.99	0.49	4665
	75	75	25.47	9.43	0.37	4460	22.67	8.39	0.37	4549	21.76	8.05	0.37	4594	20.68	7.65	0.37	4684
	77	64	24.71	19.03	0.77	4445	21.99	16.93	0.77	4534	21.11	16.26	0.77	4579	20.06	15.44	0.77	4671
	77	68	25.47	16.55	0.65	4469	22.66	14.73	0.65	4558	21.76	14.14	0.65	4604	20.67	13.44	0.65	4695
	77	72	25.90	13.73	0.53	4486	23.05	12.22	0.53	4575	22.13	11.73	0.53	4620	21.02	11.14	0.53	4712
	77	75	26.26	10.77	0.41	4505	23.37	9.58	0.41	4594	22.44	9.20	0.41	4640	21.32	8.74	0.41	4732
	79	64	25.47	20.63	0.81	4490	22.67	18.36	0.81	4580	21.77	17.63	0.81	4625	20.68	16.75	0.81	4718
	79	68	26.25	18.12	0.69	4514	23.37	16.12	0.69	4604	22.43	15.48	0.69	4650	21.31	14.70	0.69	4743
	79	72	26.70	15.22	0.57	4531	23.76	13.55	0.57	4621	22.81	13.00	0.57	4667	21.67	12.35	0.57	4760
	79	75	27.07	12.18	0.45	4551	24.10	10.84	0.45	4641	23.13	10.41	0.45	4687	21.98	9.89	0.45	4779
	79	79	27.51	9.08	0.33	4574	24.48	8.08	0.33	4664	23.50	7.76	0.33	4710	22.33	7.37	0.33	4802
	81	64	25.99	22.09	0.85	4535	23.13	19.66	0.85	4626	22.21	18.88	0.85	4672	21.10	17.93	0.85	4766
	81	66	26.52	20.95	0.79	4545	23.61	18.65	0.79	4636	22.66	17.90	0.79	4682	21.53	17.01	0.79	4776
	81	68	26.79	19.56	0.73	4560	23.84	17.41	0.73	4651	22.89	16.71	0.73	4697	21.74	15.87	0.73	4791
	81	72	27.25	16.62	0.61	4577	24.25	14.79	0.61	4668	23.28	14.20	0.61	4714	22.11	13.49	0.61	4808
	81	75	27.63	13.54	0.49	4597	24.59	12.05	0.49	4688	23.60	11.57	0.49	4734	22.42	10.99	0.49	4828
	81	79	28.07	10.39	0.37	4620	24.98	9.24	0.37	4711	23.98	8.87	0.37	4757	22.78	8.43	0.37	4851
	82	64	26.25	23.37	0.89	4580	23.37	20.80	0.89	4672	22.43	19.96	0.89	4719	21.31	18.97	0.89	4813
	82	68	26.79	20.63	0.77	4605	23.84	18.36	0.77	4697	22.89	17.62	0.77	4744	21.74	16.74	0.77	4839
	82	72	27.06	17.59	0.65	4623	24.08	15.65	0.65	4714	23.12	15.03	0.65	4761	21.96	14.28	0.65	4856
	82	75	27.52	14.58	0.53	4643	24.49	12.98	0.53	4735	23.51	12.46	0.53	4781	22.34	11.84	0.53	4876
	82	79	27.90	11.44	0.41	4666	24.83	10.18	0.41	4758	23.84	9.77	0.41	4805	22.65	9.29	0.41	4899
	84	64	26.52	24.13	0.91	4626	23.60	21.48	0.91	4719	22.66	20.62	0.91	4766	21.52	19.59	0.91	4862
	84	68	27.06	21.92	0.81	4652	24.08	19.51	0.81	4744	23.12	18.73	0.81	4792	21.96	17.79	0.81	4887
	84	72	27.60	19.04	0.69	4669	24.56	16.95	0.69	4762	23.58	16.27	0.69	4809	22.40	15.46	0.69	4904
	84	75	27.79	15.84	0.57	4689	24.74	14.10	0.57	4782	23.75	13.54	0.57	4829	22.56	12.86	0.57	4925
	84	79	28.18	12.68	0.45	4713	25.08	11.29	0.45	4805	24.08	10.84	0.45	4853	22.87	10.29	0.45	4948
	86	64	26.78	24.37	0.91	4672	23.84	21.69	0.91	4766	22.88	20.82	0.91	4814	21.74	19.78	0.91	4910
	86	68	27.33	23.23	0.85	4698	24.32	20.67	0.85	4792	23.35	19.85	0.85	4839	22.18	18.85	0.85	4936
	86	72	27.87	20.35	0.73	4716	24.81	18.11	0.73	4809	23.82	17.39	0.73	4857	22.63	16.52	0.73	4953
	86	75	28.07	17.12	0.61	4736	24.98	15.24	0.61	4830	23.98	14.63	0.61	4878	22.78	13.90	0.61	4974
	86	79	28.46	13.95	0.49	4760	25.33	12.41	0.49	4854	24.32	11.92	0.49	4901	23.10	11.32	0.49	4998
	88	64	27.05	24.61	0.91	4719	24.07	21.91	0.91	4814	23.11	21.03	0.91	4862	21.96	19.98	0.91	4959
	88	68	27.60	24.57	0.89	4745	24.57	21.86	0.89	4840	23.58	20.99	0.89	4888	22.40	19.94	0.89	4985
	88	72	28.15	21.68	0.77	4763	25.06	19.29	0.77	4857	24.05	18.52	0.77	4906	22.85	17.60	0.77	5003
	88	75	28.35	18.43	0.65	4784	25.23	16.40	0.65	4878	24.22	15.75	0.65	4926	23.01	14.96	0.65	5024
	88	79	28.75	15.24	0.53	4807	25.59	13.56	0.53	4902	24.56	13.02	0.53	4950	23.33	12.37	0.53	5048
	90	64	27.32	24.86	0.91	4766	24.31	22.13	0.91	4862	23.34	21.24	0.91	4910	22.18	20.18	0.91	5009
	90	68	27.88	25.37	0.91	4792	24.81	22.58	0.91	4888	23.82	21.67	0.91	4937	22.63	20.59	0.91	5035
	90	72	28.44	23.03	0.81	4810	25.31	20.50	0.81	4906	24.29	19.68	0.81	4955	23.08	18.69	0.81	5053
	90	75	28.63	19.76	0.69	4831	25.49	17.58	0.69	4927	24.47	16.88	0.69	4976	23.24	16.04	0.69	5074
	90	79	29.04	16.55	0.57	4856	25.84	14.73	0.57	4951	24.81	14.14	0.57	5000	23.57	13.43	0.57	5098

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

Cooling Operation PERFORMANCE DATA

OUTDOOR DB (°F)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	34.15	20.83	0.61	2957	33.81	20.63	0.61	2984	33.45	20.40	0.61	3011	33.02	20.14	0.61	3035	32.69	19.94	0.61	3051	32.33	19.72	0.61	3152	31.89	19.45	0.61	3291	31.32	19.11	0.61	3512	30.59	18.66	0.61	3674	29.70	18.12	0.61	3812	27.62	16.85	0.61	4003	27.34	16.68	0.61	4043	22.56	13.76	0.61	4197
	70	68	35.56	17.42	0.49	2981	35.21	17.25	0.49	3007	34.83	17.06	0.49	3035	34.38	16.85	0.49	3059	34.04	16.68	0.49	3074	33.67	16.50	0.49	3175	33.20	16.27	0.49	3314	32.62	15.98	0.49	3536	31.85	15.61	0.49	3698	30.92	15.15	0.49	3836	28.76	14.09	0.49	4027	28.47	13.95	0.49	4067	23.49	11.51	0.49	4221
	72	64	35.21	22.89	0.65	2987	34.86	22.66	0.65	3014	34.48	22.41	0.65	3042	34.04	22.13	0.65	3066	33.70	21.91	0.65	3082	33.33	21.67	0.65	3184	32.87	21.37	0.65	3324	32.29	20.99	0.65	3548	31.54	20.50	0.65	3712	30.62	19.90	0.65	3851	28.47	18.51	0.65	4044	28.19	18.32	0.65	4084	23.26	15.12	0.65	4240
	72	68	36.29	19.23	0.53	3011	35.93	19.04	0.53	3038	35.54	18.83	0.53	3065	35.08	18.59	0.53	3090	34.73	18.41	0.53	3105	34.36	18.21	0.53	3208	33.88	17.96	0.53	3348	33.28	17.64	0.53	3572	32.50	17.23	0.53	3735	31.56	16.72	0.53	3874	29.35	15.55	0.53	4067	29.05	15.40	0.53	4108	23.97	12.70	0.53	4263
	72	72	36.90	15.13	0.41	3027	36.54	14.98	0.41	3054	36.14	14.82	0.41	3081	35.68	14.63	0.41	3106	35.32	14.48	0.41	3122	34.94	14.33	0.41	3224	34.46	14.13	0.41	3364	33.85	13.88	0.41	3588	33.05	13.55	0.41	3752	32.09	13.16	0.41	3891	29.85	12.24	0.41	4084	29.55	12.11	0.41	4124	24.38	9.99	0.41	4280
	73	64	35.93	24.79	0.69	3017	35.57	24.54	0.69	3044	35.18	24.28	0.69	3072	34.73	23.97	0.69	3097	34.39	23.73	0.69	3113	34.02	23.47	0.69	3216	33.55	23.15	0.69	3357	32.95	22.74	0.69	3584	32.18	22.20	0.69	3749	31.24	21.56	0.69	3889	29.06	20.05	0.69	4084	28.77	19.85	0.69	4125	23.73	16.37	0.69	4282
	73	68	37.03	21.11	0.57	3041	36.66	20.90	0.57	3069	36.26	20.67	0.57	3096	35.80	20.40	0.57	3121	35.44	20.20	0.57	3137	35.06	19.98	0.57	3240	34.57	19.71	0.57	3381	33.96	19.36	0.57	3608	33.17	18.90	0.57	3773	32.20	18.35	0.57	3913	29.95	17.07	0.57	4108	29.65	16.90	0.57	4149	24.46	13.94	0.57	4306
	73	72	37.66	16.95	0.45	3057	37.28	16.78	0.45	3085	36.88	16.60	0.45	3113	36.41	16.38	0.45	3137	36.04	16.22	0.45	3153	35.65	16.04	0.45	3256	35.16	15.82	0.45	3398	34.54	15.54	0.45	3624	33.73	15.18	0.45	3789	32.75	14.74	0.45	3930	30.45	13.70	0.45	4125	30.15	13.57	0.45	4166	24.87	11.19	0.45	4323
	75	64	36.66	26.76	0.73	3047	36.30	26.50	0.73	3075	35.90	26.21	0.73	3103	35.44	25.87	0.73	3128	35.09	25.62	0.73	3144	34.71	25.34	0.73	3248	34.23	24.99	0.73	3391	33.62	24.55	0.73	3620	32.84	23.97	0.73	3787	31.88	23.27	0.73	3929	29.65	21.64	0.73	4126	29.35	21.43	0.73	4167	24.22	17.68	0.73	4326
	75	68	37.78	23.05	0.61	3072	37.41	22.82	0.61	3100	37.00	22.57	0.61	3128	36.53	22.28	0.61	3153	36.17	22.06	0.61	3168	35.77	21.82	0.61	3273	35.28	21.52	0.61	3415	34.65	21.14	0.61	3644	33.84	20.64	0.61	3811	32.86	20.04	0.61	3953	30.56	18.64	0.61	4150	30.25	18.45	0.61	4191	24.96	15.22	0.61	4350
	75	72	38.43	18.83	0.49	3088	38.04	18.64	0.49	3116	37.63	18.44	0.49	3144	37.15	18.20	0.49	3169	36.78	18.02	0.49	3185	36.38	17.83	0.49	3289	35.88	17.58	0.49	3432	35.24	17.27	0.49	3661	34.42	16.86	0.49	3828	33.41	16.37	0.49	3969	31.08	15.23	0.49	4166	30.77	15.07	0.49	4208	25.38	12.44	0.49	4366
	75	75	38.96	14.42	0.37	3108	38.58	14.27	0.37	3135	38.16	14.12	0.37	3163	37.67	13.94	0.37	3189	37.30	13.80	0.37	3204	36.89	13.65	0.37	3309	36.38	13.46	0.37	3451	35.74	13.22	0.37	3680	34.90	12.91	0.37	3847	33.88	12.54	0.37	3989	31.51	11.66	0.37	4186	31.20	11.54	0.37	4227	25.74	9.52	0.37	4386
	77	64	37.79	29.10	0.77	3078	37.42	28.81	0.77	3106	37.01	28.50	0.77	3135	36.54	28.13	0.77	3160	36.18	27.86	0.77	3176	35.78	27.55	0.77	3281	35.29	27.17	0.77	3425	34.66	26.69	0.77	3656	33.85	26.07	0.77	3825	32.87	25.31	0.77	3968	30.57	23.54	0.77	4167	30.26	23.30	0.77	4209	24.96	19.22	0.77	4369
	77	68	38.95	25.32	0.65	3103	38.57	25.07	0.65	3131	38.15	24.80	0.65	3159	37.66	24.48	0.65	3184	37.28	24.23	0.65	3200	36.88	23.97	0.65	3306	36.37	23.64	0.65	3450	35.73	23.22	0.65	3681	34.89	22.68	0.65	3850	33.87	22.02	0.65	3993	31.50	20.48	0.65	4192	31.19	20.27	0.65	4234	25.73	16.72	0.65	4394
	77	72	39.61	21.00	0.53	3119	39.22	20.79	0.53	3147	38.79	20.56	0.53	3176	38.30	20.30	0.53	3201	37.92	20.10	0.53	3217	37.51	19.88	0.53	3322	36.99	19.60	0.53	3467	36.33	19.26	0.53	3698	35.48	18.81	0.53	3866	34.45	18.26	0.53	4010	32.04	16.98	0.53	4209	31.72	16.81	0.53	4250	26.17	13.87	0.53	4411
	77	75	40.17	16.47	0.41	3139	39.77	16.31	0.41	3167	39.34	16.13	0.41	3195	38.83	15.92	0.41	3221	38.45	15.76	0.41	3237	38.03	15.59	0.41	3342	37.51	15.38	0.41	3486	36.84	15.11	0.41	3717	35.98	14.75	0.41	3886	34.93	14.32	0.41	4029	32.49	13.32	0.41	4228	32.16	13.19	0.41	4270	26.53	10.88	0.41	4430
	79	64	38.96	31.56	0.81	3109	38.58	31.25	0.81	3138	38.16	30.91	0.81	3166	37.67	30.51	0.81	3192	37.30	30.21	0.81	3208	36.89	29.88	0.81	3314	36.38	29.47	0.81	3460	35.74	28.95	0.81	3693	34.90	28.27	0.81	3864	33.88	27.45	0.81	4009	31.51	25.52	0.81	4209	31.20	25.27	0.81	4252	25.74	20.85	0.81	4414
	79	68	40.16	27.71	0.69	3134	39.76	27.43	0.69	3162	39.33	27.14	0.69	3191	38.82	26.79	0.69	3217	38.44	26.52	0.69	3233	38.02	26.23	0.69	3339	37.49	25.87	0.69	3485	36.83	25.41	0.69	3718	35.97	24.82	0.69	3889	34.92	24.09	0.69	4033	32.48	22.41	0.69	4234	32.15	22.18	0.69	4276	26.52	18.30	0.69	4438
	79	72	40.84	23.28	0.57	3151	40.43	23.05	0.57	3179	39.99	22.80	0.57	3208	39.48	22.50	0.57	3233	39.09	22.28	0.57	3250	38.67	22.04	0.57	3356	38.13	21.73	0.57	3502	37.46	21.35	0.57	3735	36.58	20.85	0.57	3905	35.51	20.24	0.57	4050	33.03	18.83	0.57	4251	32.70	18.64	0.57	4293	26.98	15.38	0.57	4455
	79	75	41.41	18.63	0.45	3171	41.00	18.45	0.45	3199	40.55	18.25	0.45	3228	40.03	18.02	0.45	3253	39.64	17.84	0.45	3269	39.21	17.64	0.45	3376	38.67	17.40	0.45	3521	37.98	17.09	0.45	3755	37.09	16.69	0.45	3925	36.01	16.20	0.45	4070	33.49	15.07	0.45	4271	33.16	14.92	0.45	4313	27.35	12.31	0.45	4475
	79	79	42.07	13.88	0.33	3194	41.66	13.75	0.33	3222	41.20	13.60	0.33	3250	40.67	13.42	0.33	3276	40.27	13.29	0.33	3292	39.83	13.15	0.33	3399	39.28	12.96	0.33	3544	38.59	12.73	0.33	3778	37.68	12.44	0.33	3948	36.59	12.07	0.33	4093	34.03	11.23	0.33	4294	33.69	11.12	0.33	4336	27.79	9.17	0.33	4498
	81	64	39.76	33.79	0.85	3141	39.37	33.46	0.85	3169	38.94	33.10	0.85	3198	38.44	32.67	0.85	3224	38.06	32.35	0.85	3240	37.64	32.00	0.85	3348	37.12	31.55	0.85	3495	36.47	31.00	0.85	3731	35.61	30.27	0.85	3903	34.57	29.39	0.85	4049	32.15	27.33	0.85	4252	31.83	27.06	0.85	4295	26.26	22.32	0.85	4458
	81	66	40.57	32.05	0.79	3151	40.17	31.73	0.79	3179	39.73	31.39	0.79	3208	39.22	30.98	0.79	3234	38.83	30.68	0.79	3250	38.41	30.34	0.79	3358	37.88	29.93	0.79	3505	37.21	29.40	0.79	3741	36.34	28.71	0.79	3913	35.28	27.87	0.79	4059	32.81	25.92	0.79	4262	32.48	25.66	0.79	4305	26.80	21.17	0.79	4468
	81	68	40.98	29.91	0.73	3166	40.57	29.62	0.73	3194	40.13	29.29	0.73	3223	39.61	28.92	0.73	3249	39.22	28.63	0.73	3265	38.79	28.32	0.73	3373	38.26	27.93	0.73	3520	37.58	27.44	0.73	3756	36.70	26.79	0.73	3928	35.63	26.01	0.73	4074	33.14	24.19	0.73	4277	32.81	23.95	0.73	4320	27.07	19.76	0.73	4483
	81	72	41.67	25.42	0.61	3183	41.26	25.17	0.61	3211	40.81	24.89	0.61	3240	40.29	24.58	0.61	3266	39.89	24.33	0.61	3282	39.45	24.07	0.61	3390	38.91	23.73	0.61	3537	38.22	23.32	0.61	3773	37.33	22.77	0.61	3945	36.24	22.11	0.61	4091	33.70	20.56	0.61	4294	33.36	20.35	0.61	4337	27.53	16.79	0.61	4500
	81	75	42.26	20.71	0.49	3203	41.84	20.50	0.49	3231	41.38	20.28	0.49	3260	40.85	20.02	0.49	3286	40.45	19.82	0.49	3302	40.01	19.60	0.49	3410	39.45	19.33	0.49	3557	38.76	18.99	0.49	3793	37.85	18.55	0.49	3965	36.75	18.01	0.49	4111	34.17	16.75	0.49	4314	33.83	16.58	0.49	4357	27.91	13.68	0.49	4520
	81	79	42.93	15.88	0.37	3226	42.51	15.73	0.37	3254	42.04	15.56	0.37	3283	41.50	15.36	0.37	3309	41.09	15.20	0.37	3325	40.65	15.04	0.37	3433	40.09	14.83	0.37	3580	39.38	14.57	0.37	3816	38.45	14.23	0.37	3988	37.33	13.81	0.37	4134	34.72	12.85	0.37	4337	34.37	12.72	0.37	4380	28.36	10.49	0.37	4543
	82	64	40.16	35.74	0.89	3172	39.76	35.39	0.89	3201	39.33	35.00	0.89	3230	38.82	34.55	0.89	3256	38.44	34.21	0.89	3273	38.02	33.84	0.89	3381	37.49	33.37	0.89	3530	36.83	32.78	0.89	3768	35.97	32.01	0.89	3942	34.92	31.08	0.89	4089	32.48	28.90	0.89	4294	32.15	28.61	0.89	4338	26.52	23.61	0.89	4503
	82	68	40.98	31.55	0.77	3197	40.57	31.24	0.77	3226	40.13	30.90	0.77	3255	39.61	30.50	0.77	3282	39.22	30.20	0.77	3298	38.79	29.87	0.77	3407	38.26	29.46	0.77	3555	37.58	28.94	0.77	3793	36.70	28.26	0.77	3967	35.63	27.44	0.77	4115	33.14	25.52	0.77	4320	32.81	25.26	0.77	4363	27.07	20.84	0.77	4528
	82	72	41.39	26.90	0.65	3215	40.98	26.63	0.65	3243	40.53	26.34	0.65	3273	40.01	26.01	0.65	3299	39.61	25.75	0.65	3315	39.18	25.47	0.65	3424	38.64	25.12	0.65	3572	37.96	24.67	0.65	3810	37.07	24.09	0.65	3984	35.99	23.39	0.65	4132	33.47	21.76	0.65	4337	33.14	21.54	0.65	4380	27.34	17.77	0.65	4545
	82	75	42.09	22.31	0.53	3235	41.67	22.09	0.53	3264	41.22	21.85	0.53	3293	40.69	21.57	0.53	3319	40.29	21.35	0.53	3335	39.85	21.12	0.53	3444	39.30	20.83	0.53	3593	38.60	20.46	0.53	3831	37.70	19.98	0.53	4005	36.60	19.40	0.53	4152	34.04	18.04	0.53	4357	33.70	17.86	0.53	4400	27.80	14.73	0.53	4565
	82	79	42.68	17.50	0.41	3258	42.26	17.32	0.41	3287	41.80	17.14	0.41	3316	41.26	16.92	0.41	3342	40.85	16.75	0.41	3359	40.41	16.57	0.41	3467	39.85	16.34	0.41	3616	39.14	16.05	0.41	3854	38.23	15.67	0.41	4028	37.11	15.22	0.41	4175	34.52	14.15	0.41	4380	34.17	14.01	0.41	4423	28.19	11.56	0.41	4589
	84	64	40.56	36.91	0.91	3204	40.16	36.54	0.91	3233	39.72	36.14	0.91	3263	39.21	35.68	0.91	3289	38.82	35.33	0.91	3306	38.40	34.94	0.91	3415	37.87	34.46	0.91	3565	37.20	33.85	0.91	3806	36.33	33.06	0.91	3981	35.27	32.10	0.91	4130	32.80	29.85	0.91	4337	32.47	29.55	0.91	4381	26.79	24.38	0.91	4548
	84	68	41.39	33.52	0.81	3229	40.98	33.19	0.81	3259	40.53	32.83	0.81	3288	40.01	32.41	0.81	3314	39.61	32.09	0.81	3331	39.18	31.74	0.81	3441	38.64	31.30	0.81	3591	37.96	30.75	0.81	3831	37.07	30.03	0.81	4007	35.99	29.15	0.81	4156	33.47	27.11	0.81	4363	33.14	26.84	0.81	4406	27.34	22.14	0.81	4573
	84	72	42.21	29.13	0.69	3247	41.80	28.84	0.69	3276	41.34	28.52	0.69	3305	40.81	28.16	0.69	3332	40.41	27.88	0.69	3348	39.97	27.58	0.69	3458	39.41	27.20	0.69	3608	38.72	26.72	0.69	3849	37.81	26.09	0.69	4024	36.71	25.33	0.69	4173	34.14	23.56	0.69	4380	33.80	23.32	0.69	4424	27.88	19.24	0.69	4591
	84	75	42.51	24.23	0.57	3267	42.09	23.99	0.57	3296	41.63	23.73	0.57	3326	41.10	23.43	0.57	3352	40.69	23.19	0.57	3369	40.25	22.94	0.57	3478	39.69	22.62	0.57	3629	38.99	22.22	0.57	3869	38.08	21.70	0.57	4045	36.97	21.07	0.57	4194	34.38	19.60	0.57	4401	34.04	19.40	0.57	4444	28.08	16.01	0.57	4611
	84	79	43.11	19.40	0.45	3291	42.68	19.21	0.45	3320	42.21	19.00	0.45	3349	41.67	18.75	0.45	3376	41.26	18.57	0.45	3392	40.81	18.36	0.45	3502	40.25	18.11	0.45	3652	39.54	17.79	0.45	3892	38.61	17.37	0.45	4068	37.48	16.87	0.45	4217	34.86	15.69	0.45	4424	34.51	15.53	0.45	4468	28.47	12.81	0.45	4634
	86	64	40.96	37.28	0.91	3236	40.56	36.91	0.91	3265	40.12	36.51	0.91	3295	39.60	36.04	0.91	3322	39.21	35.68	0.91	3339	38.78	35.29	0.91	3449	38.25	34.81	0.91	3601	37.57	34.19	0.91	3844	36.69	33.39	0.91	4021	35.62	32.42	0.91	4172	33.13	30.15	0.91	4381	32.80	29.85	0.91	4425	27.06	24.62	0.91	4593
	86	68	41.80	35.53	0.85	3262	41.39	35.18	0.85	3291	40.94	34.79	0.85	3321	40.41	34.35	0.85	3348	40.01	34.01	0.85	3364	39.57	33.64	0.85	3475	39.03	33.17	0.85	3627	38.34	32.59	0.85	3870	37.44	31.82	0.85	4047	36.35	30.90	0.85	4197	33.80	28.73	0.85	4407	33.47	28.45	0.85	4450	27.61	23.47	0.85	4619
	86	72	42.64	31.12	0.73	3279	42.21	30.82	0.73	3309	41.75	30.48	0.73	3338	41.22	30.09	0.73	3365	40.81	29.79	0.73	3382	40.37	29.47	0.73	3493	39.81	29.06	0.73	3644	39.10	28.55	0.73	3887	38.19	27.88	0.73	4064	37.08	27.07	0.73	4215	34.48	25.17	0.73	4424	34.14	24.92	0.73	4468	28.16	20.56	0.73	4637
	86	75	42.94	26.19	0.61	3300	42.51	25.93	0.61	3329	42.05	25.65	0.61	3359	41.51	25.32	0.61	3386	41.10	25.07	0.61	3402	40.65	24.80	0.61	3513	40.09	24.45	0.61	3665	39.38	24.02	0.61	3908	38.46	23.46	0.61	4085	37.34	22.78	0.61	4236	34.72	21.18	0.61	4445	34.38	20.97	0.61	4489	28.36	17.30	0.61	4657
	86	79	43.54	21.33	0.49	3324	43.11	21.12	0.49	3353	42.64	20.89	0.49	3383	42.09	20.62	0.49	3409	41.67	20.42	0.49	3426	41.22	20.20	0.49	3537	40.65	19.92	0.49	3689	39.93	19.57	0.49	3931	39.00	19.11	0.49	4109	37.86	18.55	0.49	4259	35.21	17.25	0.49	4468	34.86	17.08	0.49	4512	28.76	14.09	0.49	4681
	88	64	41.37	37.65	0.91	3268	40.96	37.28	0.91	3298	40.52	36.87	0.91	3328	40.00	36.40	0.91	3355	39.60	36.04	0.91	3372	39.17	35.65	0.91	3484	38.63	35.15	0.91	3637	37.95	34.53	0.91	3882	37.06	33.72	0.91	4061	35.98	32.74	0.91	4213	33.46	30.45	0.91	4425	33.13	30.14	0.91	4469	27.33	24.87	0.91	4639
	88	68	42.22	37.57	0.89	3294	41.80	37.20	0.89	3324	41.34	36.80	0.89	3354	40.81	36.32	0.89	3381	40.41	35.96	0.89	3398	39.97	35.57	0.89	3510	39.42	35.08	0.89	3663	38.72	34.46	0.89	3908	37.81	33.65	0.89	4087	36.71	32.67	0.89	4239	34.14	30.39	0.89	4451	33.80	30.08	0.89	4495	27.89	24.82	0.89	4665
	88	72	43.06	33.16	0.77	3312	42.64	32.83	0.77	3342	42.17	32.47	0.77	3372	41.63	32.06	0.77	3399	41.22	31.74	0.77	3416	40.77	31.39	0.77	3527	40.21	30.96	0.77	3681	39.50	30.41	0.77	3926	38.57	29.70	0.77	4105	37.45	28.83	0.77	4257	34.83	26.82	0.77	4468	34.48	26.55	0.77	4513	28.44	21.90	0.77	4683
	88	75	43.36	28.19	0.65	3333	42.94	27.91	0.65	3363	42.47	27.60	0.65	3393	41.92	27.25	0.65	3420	41.51	26.98	0.65	3436	41.06	26.69	0.65	3548	40.49	26.32	0.65	3701	39.77	25.85	0.65	3947	38.84	25.25	0.65	4126	37.71	24.51	0.65	4278	35.07	22.80	0.65	4489	34.72	22.57	0.65	4533	28.64	18.62	0.65	4704
	88	79	43.97	23.30	0.53	3357	43.54	23.07	0.53	3387	43.06	22.82	0.53	3417	42.51	22.53	0.53	3443	42.09	22.31	0.53	3460	41.63	22.06	0.53	3572	41.06	21.76	0.53	3725	40.33	21.38	0.53	3971	39.39	20.87	0.53	4150	38.24	20.27	0.53	4302	35.56	18.85	0.53	4513	35.21	18.66	0.53	4557	29.04	15.39	0.53	4728
	90	64	41.79	38.03	0.91	3301	41.37	37.65	0.91	3331	40.92	37.24	0.91	3361	40.40	36.76	0.91	3389	40.00	36.40	0.91	3406	39.56	36.00	0.91	3519	39.02	35.50	0.91	3673	38.33	34.88	0.91	3921	37.43	34.06	0.91	4102	36.34	33.07	0.91	4256	33.79	30.75	0.91	4469	33.46	30.45	0.91	4514	27.60	25.12	0.91	4686
	90	68	42.64	38.80	0.91	3327	42.22	38.42	0.91	3357	41.76	38.00	0.91	3388	41.22	37.51	0.91	3415	40.81	37.14	0.91	3432	40.37	36.74	0.91	3545	39.81	36.23	0.91	3700	39.11	35.59	0.91	3947	38.19	34.75	0.91	4128	37.08	33.74	0.91	4282	34.48	31.38	0.91	4495	34.14	31.07	0.91	4540	28.16	25.63	0.91	4712
	90	72	43.49	35.23	0.81	3345	43.06	34.88	0.81	3375	42.59	34.50	0.81	3406	42.05	34.06	0.81	3433	41.63	33.72	0.81	3450	41.18	33.35	0.81	3563	40.61	32.89	0.81	3717	39.89	32.31	0.81	3965	38.96	31.55	0.81	4146	37.82	30.64	0.81	4300	35.17	28.49	0.81	4513	34.82	28.21	0.81	4558	28.73	23.27	0.81	4730
	90	75	43.80	30.22	0.69	3366	43.36	29.92	0.69	3396	42.89	29.60	0.69	3427	42.34	29.22	0.69	3454	41.92	28.93	0.69	3471	41.47	28.61	0.69	3584	40.89	28.22	0.69	3738	40.17	27.72	0.69	3986	39.23	27.07	0.69	4167	38.09	26.28	0.69	4321	35.42	24.44	0.69	4534	35.07	24.20	0.69	4579	28.93	19.96	0.69	4751
	90	79	44.41	25.31	0.57	3390	43.97	25.06	0.57	3420	43.49	24.79	0.57	3451	42.93	24.47	0.57	3478	42.51	24.23	0.57	3495	42.05	23.97	0.57	3608	41.47	23.64	0.57	3763	40.73	23.22	0.57	4010	39.78	22.67	0.57	4191	38.62	22.01	0.57	4345	35.92	20.47	0.57	4558	35.56	20.27	0.57	4603	29.34	16.72	0.57	4775

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	21.88	13.35	0.61	4227	19.48	11.88	0.61	4311	18.70	11.40	0.61	4355	17.76	10.83	0.61	4442
	70	68	22.78	11.16	0.49	4250	20.28	9.94	0.49	4335	19.47	9.54	0.49	4378	18.49	9.06	0.49	4465
	72	64	22.56	14.66	0.65	4269	20.08	13.05	0.65	4355	19.27	12.53	0.65	4399	18.31	11.90	0.65	4487
	72	68	23.25	12.32	0.53	4293	20.69	10.97	0.53	4379	19.86	10.53	0.53	4422	18.87	10.00	0.53	4511
	72	72	23.64	9.69	0.41	4309	21.04	8.63	0.41	4395	20.20	8.28	0.41	4439	19.19	7.87	0.41	4527
	73	64	23.02	15.88	0.69	4313	20.49	14.14	0.69	4399	19.67	13.57	0.69	4443	18.68	12.89	0.69	4532
	73	68	23.72	13.52	0.57	4337	21.11	12.04	0.57	4423	20.27	11.55	0.57	4467	19.26	10.98	0.57	4556
	73	72	24.13	10.86	0.45	4353	21.47	9.66	0.45	4439	20.61	9.28	0.45	4483	19.58	8.81	0.45	4572
	75	64	23.49	17.15	0.73	4356	20.91	15.26	0.73	4443	20.07	14.65	0.73	4488	19.07	13.92	0.73	4578
	75	68	24.21	14.77	0.61	4380	21.55	13.14	0.61	4468	20.68	12.62	0.61	4512	19.65	11.99	0.61	4602
	75	72	24.62	12.06	0.49	4397	21.91	10.74	0.49	4484	21.04	10.31	0.49	4529	19.98	9.79	0.49	4619
	75	75	24.96	9.24	0.37	4416	22.22	8.22	0.37	4504	21.33	7.89	0.37	4548	20.26	7.50	0.37	4638
	77	64	24.22	18.65	0.77	4400	21.55	16.59	0.77	4488	20.69	15.93	0.77	4533	19.66	15.13	0.77	4624
	77	68	24.96	16.22	0.65	4425	22.21	14.44	0.65	4513	21.32	13.86	0.65	4558	20.26	13.17	0.65	4649
	77	72	25.38	13.45	0.53	4441	22.59	11.97	0.53	4529	21.69	11.49	0.53	4574	20.60	10.92	0.53	4665
	77	75	25.74	10.55	0.41	4461	22.91	9.39	0.41	4549	21.99	9.02	0.41	4594	20.89	8.56	0.41	4685
	79	64	24.96	20.22	0.81	4445	22.22	18.00	0.81	4534	21.33	17.28	0.81	4579	20.26	16.41	0.81	4671
	79	68	25.73	17.75	0.69	4469	22.90	15.80	0.69	4558	21.98	15.17	0.69	4604	20.88	14.41	0.69	4696
	79	72	26.17	14.91	0.57	4486	23.29	13.27	0.57	4575	22.36	12.74	0.57	4621	21.24	12.11	0.57	4712
	79	75	26.53	11.94	0.45	4506	23.61	10.63	0.45	4595	22.67	10.20	0.45	4640	21.54	9.69	0.45	4732
	79	79	26.96	8.90	0.33	4529	23.99	7.92	0.33	4618	23.03	7.60	0.33	4663	21.88	7.22	0.33	4755
	81	64	25.47	21.65	0.85	4489	22.67	19.27	0.85	4579	21.77	18.50	0.85	4625	20.68	17.58	0.85	4718
	81	66	25.99	20.54	0.79	4499	23.13	18.28	0.79	4589	22.21	17.55	0.79	4635	21.10	16.67	0.79	4728
	81	68	26.25	19.17	0.73	4514	23.37	17.06	0.73	4604	22.43	16.37	0.73	4650	21.31	15.56	0.73	4743
	81	72	26.70	16.29	0.61	4531	23.76	14.50	0.61	4621	22.81	13.92	0.61	4667	21.67	13.22	0.61	4760
	81	75	27.07	13.27	0.49	4551	24.10	11.81	0.49	4641	23.13	11.33	0.49	4687	21.98	10.77	0.49	4780
	81	79	27.51	10.18	0.37	4574	24.48	9.06	0.37	4664	23.50	8.70	0.37	4710	22.33	8.26	0.37	4803
	82	64	25.73	22.90	0.89	4534	22.90	20.38	0.89	4625	21.98	19.56	0.89	4672	20.88	18.59	0.89	4765
	82	68	26.25	20.22	0.77	4560	23.37	17.99	0.77	4650	22.43	17.27	0.77	4697	21.31	16.41	0.77	4790
	82	72	26.52	17.24	0.65	4577	23.60	15.34	0.65	4668	22.66	14.73	0.65	4714	21.52	13.99	0.65	4808
	82	75	26.97	14.29	0.53	4597	24.00	12.72	0.53	4688	23.04	12.21	0.53	4734	21.89	11.60	0.53	4828
	82	79	27.34	11.21	0.41	4620	24.34	9.98	0.41	4711	23.36	9.58	0.41	4757	22.20	9.10	0.41	4851
	84	64	25.99	23.65	0.91	4580	23.13	21.05	0.91	4671	22.20	20.20	0.91	4718	21.09	19.19	0.91	4813
	84	68	26.52	21.48	0.81	4605	23.60	19.12	0.81	4697	22.66	18.35	0.81	4744	21.52	17.43	0.81	4838
	84	72	27.05	18.66	0.69	4623	24.07	16.61	0.69	4714	23.11	15.95	0.69	4761	21.95	15.15	0.69	4856
	84	75	27.24	15.53	0.57	4643	24.24	13.82	0.57	4735	23.27	13.26	0.57	4782	22.11	12.60	0.57	4876
	84	79	27.62	12.43	0.45	4666	24.58	11.06	0.45	4758	23.60	10.62	0.45	4805	22.42	10.09	0.45	4900
	86	64	26.25	23.88	0.91	4625	23.36	21.26	0.91	4718	22.42	20.41	0.91	4765	21.30	19.39	0.91	4861
	86	68	26.78	22.76	0.85	4651	23.84	20.26	0.85	4744	22.88	19.45	0.85	4791	21.74	18.48	0.85	4887
	86	72	27.32	19.94	0.73	4669	24.31	17.75	0.73	4761	23.34	17.04	0.73	4809	22.17	16.19	0.73	4904
	86	75	27.51	16.78	0.61	4689	24.48	14.93	0.61	4782	23.50	14.34	0.61	4829	22.33	13.62	0.61	4925
	86	79	27.89	13.67	0.49	4713	24.83	12.16	0.49	4806	23.83	11.68	0.49	4853	22.64	11.09	0.49	4949
	88	64	26.51	24.12	0.91	4672	23.59	21.47	0.91	4765	22.65	20.61	0.91	4813	21.52	19.58	0.91	4910
	88	68	27.05	24.07	0.89	4698	24.07	21.43	0.89	4791	23.11	20.57	0.89	4839	21.96	19.54	0.89	4936
	88	72	27.59	21.24	0.77	4715	24.56	18.91	0.77	4809	23.57	18.15	0.77	4857	22.39	17.24	0.77	4953
	88	75	27.78	18.06	0.65	4736	24.73	16.07	0.65	4830	23.74	15.43	0.65	4878	22.55	14.66	0.65	4974
	88	79	28.17	14.93	0.53	4760	25.07	13.29	0.53	4854	24.07	12.76	0.53	4902	22.87	12.12	0.53	4998
	90	64	26.77	24.36	0.91	4718	23.83	21.68	0.91	4813	22.88	20.82	0.91	4861	21.73	19.78	0.91	4959
	90	68	27.32	24.86	0.91	4745	24.31	22.13	0.91	4839	23.34	21.24	0.91	4888	22.18	20.18	0.91	4985
	90	72	27.87	22.57	0.81	4763	24.80	20.09	0.81	4857	23.81	19.29	0.81	4905	22.62	18.32	0.81	5003
	90	75	28.06	19.36	0.69	4784	24.98	17.23	0.69	4878	23.98	16.54	0.69	4926	22.78	15.72	0.69	5024
	90	79	28.46	16.22	0.57	4808	25.33	14.44	0.57	4902	24.31	13.86	0.57	4951	23.10	13.16	0.57	5048

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	Cooling Operation PERFORMANCE DATA — OUTDOOR DB (°F) 5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
	70	64	33.11	20.20	0.61	2927	32.78	20.00	0.61	2954	32.42	19.78	0.61	2981	32.01	19.52	0.61	3005	31.69	19.33	0.61	3020	31.35	19.12	0.61	3120	30.91	18.86	0.61	3257	30.37	18.52	0.61	3477	29.65	18.09	0.61	3637	28.79	17.56	0.61	3773	26.77	16.33	0.61	3963	26.51	16.17	0.61	4002	21.87	13.34	0.61	4155
	70	68	34.47	16.89	0.49	2951	34.13	16.72	0.49	2977	33.76	16.54	0.49	3004	33.33	16.33	0.49	3028	33.00	16.17	0.49	3043	32.64	15.99	0.49	3144	32.19	15.77	0.49	3281	31.62	15.49	0.49	3500	30.88	15.13	0.49	3661	29.98	14.69	0.49	3797	27.88	13.66	0.49	3986	27.60	13.52	0.49	4026	22.77	11.16	0.49	4178
	72	64	34.13	22.19	0.65	2957	33.79	21.97	0.65	2984	33.43	21.73	0.65	3011	33.00	21.45	0.65	3035	32.67	21.24	0.65	3050	32.31	21.00	0.65	3152	31.87	20.71	0.65	3290	31.30	20.35	0.65	3512	30.57	19.87	0.65	3674	29.68	19.29	0.65	3812	27.60	17.94	0.65	4003	27.33	17.76	0.65	4043	22.54	14.65	0.65	4197
	72	68	35.18	18.64	0.53	2980	34.83	18.46	0.53	3007	34.45	18.26	0.53	3034	34.01	18.02	0.53	3059	33.67	17.85	0.53	3074	33.30	17.65	0.53	3175	32.84	17.41	0.53	3314	32.26	17.10	0.53	3536	31.51	16.70	0.53	3698	30.59	16.21	0.53	3835	28.45	15.08	0.53	4026	28.16	14.93	0.53	4067	23.23	12.31	0.53	4221
	72	72	35.77	14.67	0.41	2997	35.42	14.52	0.41	3023	35.03	14.36	0.41	3051	34.58	14.18	0.41	3075	34.24	14.04	0.41	3090	33.87	13.89	0.41	3191	33.40	13.69	0.41	3330	32.81	13.45	0.41	3552	32.04	13.14	0.41	3714	31.11	12.75	0.41	3852	28.93	11.86	0.41	4043	28.64	11.74	0.41	4083	23.63	9.69	0.41	4237
	73	64	34.83	24.03	0.69	2986	34.48	23.79	0.69	3014	34.11	23.53	0.69	3041	33.67	23.23	0.69	3066	33.34	23.00	0.69	3081	32.97	22.75	0.69	3183	32.52	22.44	0.69	3323	31.94	22.04	0.69	3547	31.20	21.52	0.69	3711	30.29	20.90	0.69	3850	28.17	19.43	0.69	4043	27.88	19.24	0.69	4084	23.00	15.87	0.69	4239
	73	68	35.89	20.46	0.57	3010	35.54	20.26	0.57	3038	35.15	20.04	0.57	3065	34.70	19.78	0.57	3090	34.36	19.58	0.57	3105	33.98	19.37	0.57	3207	33.51	19.10	0.57	3347	32.92	18.77	0.57	3571	32.15	18.33	0.57	3735	31.21	17.79	0.57	3874	29.03	16.55	0.57	4067	28.74	16.38	0.57	4108	23.71	13.51	0.57	4263
	73	72	36.50	16.43	0.45	3027	36.14	16.26	0.45	3054	35.75	16.09	0.45	3081	35.29	15.88	0.45	3106	34.94	15.72	0.45	3122	34.56	15.55	0.45	3224	34.08	15.34	0.45	3364	33.48	15.07	0.45	3588	32.70	14.71	0.45	3751	31.74	14.28	0.45	3890	29.52	13.28	0.45	4083	29.23	13.15	0.45	4124	24.11	10.85	0.45	4279
	75	64	35.54	25.94	0.73	3017	35.19	25.69	0.73	3044	34.80	25.41	0.73	3072	34.36	25.08	0.73	3097	34.02	24.83	0.73	3112	33.65	24.56	0.73	3215	33.18	24.22	0.73	3357	32.60	23.79	0.73	3583	31.83	23.24	0.73	3749	30.90	22.56	0.73	3889	28.74	20.98	0.73	4084	28.45	20.77	0.73	4125	23.47	17.14	0.73	4282
	75	68	36.63	22.34	0.61	3041	36.26	22.12	0.61	3068	35.87	21.88	0.61	3096	35.41	21.60	0.61	3121	35.06	21.39	0.61	3137	34.68	21.15	0.61	3240	34.20	20.86	0.61	3381	33.59	20.49	0.61	3607	32.81	20.01	0.61	3773	31.85	19.43	0.61	3913	29.62	18.07	0.61	4108	29.32	17.89	0.61	4149	24.19	14.76	0.61	4306
	75	72	37.25	18.25	0.49	3057	36.88	18.07	0.49	3085	36.48	17.87	0.49	3113	36.01	17.65	0.49	3137	35.65	17.47	0.49	3153	35.27	17.28	0.49	3256	34.78	17.04	0.49	3398	34.16	16.74	0.49	3624	33.36	16.35	0.49	3789	32.39	15.87	0.49	3930	30.12	14.76	0.49	4125	29.82	14.61	0.49	4166	24.60	12.06	0.49	4323
	75	75	37.77	13.98	0.37	3077	37.40	13.84	0.37	3104	36.99	13.69	0.37	3132	36.52	13.51	0.37	3157	36.15	13.38	0.37	3172	35.76	13.23	0.37	3276	35.27	13.05	0.37	3417	34.64	12.82	0.37	3643	33.83	12.52	0.37	3809	32.85	12.15	0.37	3949	30.55	11.30	0.37	4144	30.24	11.19	0.37	4185	24.95	9.23	0.37	4342
	77	64	36.64	28.21	0.77	3047	36.27	27.93	0.77	3075	35.88	27.63	0.77	3103	35.42	27.27	0.77	3128	35.07	27.00	0.77	3144	34.69	26.71	0.77	3248	34.21	26.34	0.77	3391	33.60	25.87	0.77	3619	32.82	25.27	0.77	3786	31.86	24.53	0.77	3928	29.63	22.82	0.77	4125	29.33	22.59	0.77	4166	24.20	18.63	0.77	4325
	77	68	37.76	24.54	0.65	3072	37.39	24.30	0.65	3099	36.98	24.04	0.65	3127	36.50	23.73	0.65	3152	36.14	23.49	0.65	3168	35.75	23.24	0.65	3272	35.26	22.92	0.65	3415	34.63	22.51	0.65	3644	33.82	21.98	0.65	3811	32.84	21.34	0.65	3953	30.54	19.85	0.65	4150	30.23	19.65	0.65	4191	24.94	16.21	0.65	4350
	77	72	38.40	20.35	0.53	3088	38.02	20.15	0.53	3116	37.61	19.93	0.53	3144	37.12	19.68	0.53	3169	36.76	19.48	0.53	3185	36.36	19.27	0.53	3289	35.86	19.00	0.53	3432	35.22	18.67	0.53	3661	34.40	18.23	0.53	3828	33.39	17.70	0.53	3969	31.06	16.46	0.53	4166	30.75	16.30	0.53	4208	25.37	13.44	0.53	4366
	77	75	38.94	15.96	0.41	3108	38.55	15.81	0.41	3136	38.13	15.63	0.41	3164	37.64	15.43	0.41	3189	37.27	15.28	0.41	3204	36.87	15.12	0.41	3309	36.36	14.91	0.41	3452	35.71	14.64	0.41	3680	34.88	14.30	0.41	3847	33.86	13.88	0.41	3989	31.49	12.91	0.41	4186	31.18	12.78	0.41	4227	25.72	10.55	0.41	4386
	79	64	37.77	30.59	0.81	3078	37.40	30.29	0.81	3106	36.99	29.96	0.81	3134	36.52	29.58	0.81	3160	36.15	29.28	0.81	3175	35.76	28.97	0.81	3281	35.27	28.57	0.81	3425	34.64	28.06	0.81	3656	33.83	27.40	0.81	3825	32.85	26.61	0.81	3968	30.55	24.74	0.81	4167	30.24	24.50	0.81	4209	24.95	20.21	0.81	4369
	79	68	38.93	26.86	0.69	3103	38.54	26.59	0.69	3131	38.12	26.30	0.69	3159	37.63	25.97	0.69	3184	37.26	25.71	0.69	3200	36.86	25.43	0.69	3306	36.35	25.08	0.69	3450	35.70	24.64	0.69	3681	34.87	24.06	0.69	3849	33.85	23.36	0.69	3993	31.48	21.72	0.69	4192	31.17	21.51	0.69	4233	25.71	17.74	0.69	4394
	79	72	39.59	22.57	0.57	3119	39.20	22.34	0.57	3147	38.77	22.10	0.57	3176	38.27	21.82	0.57	3201	37.89	21.60	0.57	3217	37.48	21.36	0.57	3322	36.96	21.07	0.57	3467	36.31	20.70	0.57	3698	35.46	20.21	0.57	3866	34.43	19.62	0.57	4010	32.02	18.25	0.57	4208	31.70	18.07	0.57	4250	26.15	14.91	0.57	4410
	79	75	40.14	18.06	0.45	3139	39.75	17.89	0.45	3167	39.31	17.69	0.45	3196	38.81	17.46	0.45	3221	38.42	17.29	0.45	3237	38.01	17.10	0.45	3342	37.48	16.87	0.45	3486	36.82	16.57	0.45	3717	35.96	16.18	0.45	3886	34.91	15.71	0.45	4029	32.47	14.61	0.45	4228	32.14	14.46	0.45	4270	26.52	11.93	0.45	4430
	79	79	40.79	13.46	0.33	3162	40.38	13.33	0.33	3190	39.94	13.18	0.33	3218	39.43	13.01	0.33	3244	39.04	12.88	0.33	3260	38.61	12.74	0.33	3365	38.08	12.57	0.33	3509	37.41	12.34	0.33	3740	36.53	12.06	0.33	3909	35.47	11.70	0.33	4052	32.98	10.88	0.33	4251	32.65	10.78	0.33	4293	26.94	8.89	0.33	4453
	81	64	38.54	32.76	0.85	3109	38.16	32.44	0.85	3137	37.74	32.08	0.85	3166	37.26	31.67	0.85	3191	36.89	31.36	0.85	3208	36.49	31.02	0.85	3314	35.99	30.59	0.85	3460	35.35	30.05	0.85	3693	34.52	29.34	0.85	3863	33.52	28.49	0.85	4008	31.17	26.49	0.85	4209	30.86	26.23	0.85	4251	25.46	21.64	0.85	4413
	81	66	39.33	31.07	0.79	3119	38.94	30.76	0.79	3147	38.52	30.43	0.79	3176	38.02	30.04	0.79	3201	37.64	29.74	0.79	3218	37.23	29.42	0.79	3324	36.72	29.01	0.79	3470	36.07	28.50	0.79	3703	35.23	27.83	0.79	3873	34.20	27.02	0.79	4018	31.81	25.13	0.79	4219	31.49	24.88	0.79	4261	25.98	20.52	0.79	4423
	81	68	39.72	29.00	0.73	3134	39.33	28.71	0.73	3162	38.90	28.40	0.73	3191	38.40	28.03	0.73	3216	38.02	27.76	0.73	3233	37.61	27.45	0.73	3339	37.09	27.07	0.73	3485	36.43	26.60	0.73	3718	35.58	25.97	0.73	3888	34.54	25.22	0.73	4033	32.12	23.45	0.73	4234	31.80	23.22	0.73	4276	26.24	19.15	0.73	4438
	81	72	40.40	24.64	0.61	3151	40.00	24.40	0.61	3179	39.56	24.13	0.61	3208	39.05	23.82	0.61	3233	38.67	23.59	0.61	3250	38.25	23.33	0.61	3356	37.72	23.01	0.61	3502	37.05	22.60	0.61	3735	36.18	22.07	0.61	3905	35.13	21.43	0.61	4050	32.67	19.93	0.61	4251	32.34	19.73	0.61	4293	26.68	16.28	0.61	4455
	81	75	40.96	20.07	0.49	3171	40.56	19.87	0.49	3199	40.12	19.66	0.49	3228	39.60	19.40	0.49	3253	39.21	19.21	0.49	3270	38.78	19.00	0.49	3376	38.25	18.74	0.49	3522	37.57	18.41	0.49	3755	36.69	17.98	0.49	3925	35.62	17.45	0.49	4070	33.13	16.23	0.49	4271	32.80	16.07	0.49	4313	27.06	13.26	0.49	4475
80%	81	79	41.62	15.40	0.37	3194	41.21	15.25	0.37	3222	40.76	15.08	0.37	3251	40.23	14.89	0.37	3276	39.84	14.74	0.37	3293	39.40	14.58	0.37	3399	38.86	14.38	0.37	3545	38.17	14.12	0.37	3778	37.28	13.79	0.37	3948	36.19	13.39	0.37	4093	33.66	12.45	0.37	4294	33.32	12.33	0.37	4336	27.49	10.17	0.37	4498
	82	64	38.93	34.65	0.89	3140	38.54	34.30	0.89	3169	38.12	33.93	0.89	3198	37.63	33.49	0.89	3223	37.26	33.16	0.89	3240	36.86	32.80	0.89	3347	36.35	32.35	0.89	3494	35.70	31.78	0.89	3730	34.87	31.03	0.89	3902	33.85	30.13	0.89	4048	31.48	28.02	0.89	4251	31.17	27.74	0.89	4294	25.71	22.88	0.89	4457
	82	68	39.72	30.59	0.77	3165	39.33	30.28	0.77	3194	38.90	29.95	0.77	3223	38.40	29.57	0.77	3249	38.02	29.28	0.77	3265	37.61	28.96	0.77	3372	37.09	28.56	0.77	3519	36.43	28.05	0.77	3755	35.58	27.40	0.77	3927	34.54	26.60	0.77	4073	32.12	24.74	0.77	4276	31.80	24.49	0.77	4319	26.24	20.20	0.77	4482
	82	72	40.12	26.08	0.65	3182	39.72	25.82	0.65	3211	39.29	25.54	0.65	3240	38.79	25.21	0.65	3266	38.40	24.96	0.65	3282	37.98	24.69	0.65	3389	37.46	24.35	0.65	3537	36.80	23.92	0.65	3772	35.93	23.36	0.65	3944	34.89	22.68	0.65	4091	32.45	21.09	0.65	4293	32.12	20.88	0.65	4336	26.50	17.22	0.65	4500
	82	75	40.80	21.62	0.53	3203	40.40	21.41	0.53	3231	39.96	21.18	0.53	3260	39.44	20.91	0.53	3286	39.05	20.70	0.53	3302	38.63	20.47	0.53	3410	38.10	20.19	0.53	3557	37.42	19.83	0.53	3792	36.54	19.37	0.53	3965	35.48	18.80	0.53	4111	33.00	17.49	0.53	4314	32.67	17.31	0.53	4356	26.95	14.28	0.53	4520
	82	79	41.37	16.96	0.41	3226	40.96	16.79	0.41	3254	40.52	16.61	0.41	3283	40.00	16.40	0.41	3309	39.60	16.24	0.41	3325	39.17	16.06	0.41	3433	38.63	15.84	0.41	3580	37.95	15.56	0.41	3816	37.06	15.19	0.41	3988	35.98	14.75	0.41	4134	33.46	13.72	0.41	4337	33.12	13.58	0.41	4379	27.33	11.20	0.41	4543
	84	64	39.32	35.78	0.91	3171	38.93	35.42	0.91	3200	38.50	35.04	0.91	3229	38.01	34.59	0.91	3256	37.63	34.25	0.91	3272	37.22	33.87	0.91	3381	36.71	33.41	0.91	3529	36.06	32.82	0.91	3767	35.22	32.05	0.91	3941	34.19	31.11	0.91	4089	31.80	28.93	0.91	4293	31.48	28.65	0.91	4337	25.97	23.63	0.91	4502
	84	68	40.12	32.50	0.81	3197	39.72	32.17	0.81	3226	39.29	31.82	0.81	3255	38.79	31.42	0.81	3281	38.40	31.10	0.81	3298	37.98	30.77	0.81	3406	37.46	30.34	0.81	3555	36.80	29.81	0.81	3793	35.93	29.11	0.81	3967	34.89	28.26	0.81	4114	32.45	26.28	0.81	4319	32.12	26.02	0.81	4362	26.50	21.46	0.81	4527
	84	72	40.92	28.24	0.69	3214	40.52	27.96	0.69	3243	40.08	27.65	0.69	3272	39.56	27.30	0.69	3298	39.17	27.03	0.69	3315	38.74	26.73	0.69	3423	38.21	26.36	0.69	3572	37.53	25.90	0.69	3810	36.65	25.29	0.69	3984	35.59	24.55	0.69	4131	33.09	22.84	0.69	4336	32.76	22.61	0.69	4379	27.03	18.65	0.69	4545
	84	75	41.21	23.49	0.57	3235	40.80	23.26	0.57	3264	40.36	23.00	0.57	3293	39.84	22.71	0.57	3319	39.44	22.48	0.57	3335	39.02	22.24	0.57	3444	38.48	21.93	0.57	3592	37.80	21.54	0.57	3830	36.91	21.04	0.57	4004	35.84	20.43	0.57	4152	33.33	19.00	0.57	4357	32.99	18.81	0.57	4400	27.22	15.52	0.57	4565
	84	79	41.79	18.80	0.45	3258	41.37	18.62	0.45	3287	40.92	18.41	0.45	3316	40.40	18.18	0.45	3342	40.00	18.00	0.45	3359	39.56	17.80	0.45	3467	39.02	17.56	0.45	3616	38.33	17.25	0.45	3854	37.43	16.84	0.45	4028	36.34	16.35	0.45	4175	33.79	15.21	0.45	4380	33.46	15.05	0.45	4423	27.60	12.42	0.45	4588
	86	64	39.71	36.14	0.91	3203	39.32	35.78	0.91	3232	38.89	35.39	0.91	3262	38.39	34.93	0.91	3288	38.01	34.59	0.91	3305	37.60	34.21	0.91	3414	37.08	33.74	0.91	3564	36.42	33.14	0.91	3805	35.57	32.37	0.91	3980	34.53	31.42	0.91	4129	32.11	29.22	0.91	4336	31.79	28.93	0.91	4380	26.23	23.87	0.91	4547
	86	68	40.52	34.44	0.85	3229	40.12	34.10	0.85	3258	39.68	33.73	0.85	3288	39.17	33.30	0.85	3314	38.79	32.97	0.85	3330	38.36	32.61	0.85	3440	37.83	32.16	0.85	3590	37.16	31.59	0.85	3831	36.29	30.85	0.85	4006	35.24	29.95	0.85	4155	32.77	27.85	0.85	4362	32.44	27.58	0.85	4406	26.76	22.75	0.85	4572
	86	72	41.33	30.17	0.73	3246	40.92	29.87	0.73	3276	40.48	29.55	0.73	3305	39.96	29.17	0.73	3331	39.56	28.88	0.73	3348	39.13	28.57	0.73	3458	38.59	28.17	0.73	3608	37.91	27.67	0.73	3848	37.02	27.02	0.73	4024	35.94	26.24	0.73	4173	33.43	24.40	0.73	4380	33.09	24.16	0.73	4423	27.30	19.93	0.73	4590
	86	75	41.62	25.39	0.61	3267	41.21	25.14	0.61	3296	40.76	24.86	0.61	3326	40.24	24.54	0.61	3352	39.84	24.30	0.61	3369	39.41	24.04	0.61	3478	38.86	23.71	0.61	3628	38.17	23.29	0.61	3869	37.28	22.74	0.61	4044	36.19	22.08	0.61	4193	33.66	20.53	0.61	4400	33.32	20.33	0.61	4444	27.49	16.77	0.61	4611
	86	79	42.20	20.68	0.49	3291	41.79	20.47	0.49	3320	41.33	20.25	0.49	3349	40.80	19.99	0.49	3376	40.40	19.79	0.49	3392	39.96	19.58	0.49	3502	39.41	19.31	0.49	3652	38.71	18.97	0.49	3892	37.80	18.52	0.49	4068	36.70	17.98	0.49	4217	34.13	16.72	0.49	4424	33.79	16.56	0.49	4467	27.88	13.66	0.49	4634
	88	64	40.11	36.50	0.91	3235	39.71	36.14	0.91	3265	39.28	35.74	0.91	3294	38.77	35.28	0.91	3321	38.39	34.93	0.91	3338	37.97	34.55	0.91	3448	37.45	34.08	0.91	3600	36.79	33.47	0.91	3843	35.92	32.69	0.91	4020	34.88	31.74	0.91	4171	32.44	29.52	0.91	4380	32.11	29.22	0.91	4424	26.49	24.11	0.91	4592
	88	68	40.93	36.42	0.89	3261	40.52	36.06	0.89	3291	40.08	35.67	0.89	3320	39.56	35.21	0.89	3347	39.17	34.86	0.89	3364	38.75	34.48	0.89	3474	38.21	34.01	0.89	3626	37.54	33.41	0.89	3869	36.66	32.62	0.89	4046	35.59	31.67	0.89	4197	33.10	29.46	0.89	4406	32.77	29.16	0.89	4450	27.03	24.06	0.89	4618
	88	72	41.74	32.14	0.77	3279	41.33	31.82	0.77	3308	40.88	31.48	0.77	3338	40.36	31.07	0.77	3365	39.96	30.77	0.77	3381	39.52	30.43	0.77	3492	38.98	30.01	0.77	3644	38.29	29.48	0.77	3887	37.39	28.79	0.77	4064	36.30	27.95	0.77	4214	33.76	25.99	0.77	4424	33.42	25.73	0.77	4467	27.57	21.23	0.77	4636
	88	75	42.04	27.32	0.65	3300	41.62	27.05	0.65	3329	41.17	26.76	0.65	3359	40.64	26.42	0.65	3386	40.24	26.15	0.65	3402	39.80	25.87	0.65	3513	39.25	25.51	0.65	3665	38.56	25.06	0.65	3907	37.65	24.47	0.65	4085	36.56	23.76	0.65	4235	34.00	22.10	0.65	4444	33.66	21.88	0.65	4488	27.77	18.05	0.65	4657
	88	79	42.63	22.59	0.53	3324	42.20	22.37	0.53	3353	41.74	22.12	0.53	3383	41.21	21.84	0.53	3409	40.80	21.62	0.53	3426	40.36	21.39	0.53	3537	39.80	21.09	0.53	3689	39.10	20.72	0.53	3931	38.18	20.24	0.53	4109	37.07	19.65	0.53	4259	34.47	18.27	0.53	4468	34.13	18.09	0.53	4512	28.16	14.92	0.53	4681
	90	64	40.51	36.86	0.91	3268	40.11	36.50	0.91	3297	39.67	36.10	0.91	3327	39.16	35.64	0.91	3354	38.77	35.28	0.91	3371	38.35	34.90	0.91	3483	37.82	34.42	0.91	3636	37.15	33.81	0.91	3881	36.28	33.02	0.91	4060	35.23	32.06	0.91	4212	32.76	29.81	0.91	4424	32.43	29.51	0.91	4468	26.76	24.35	0.91	4638
	90	68	41.33	37.61	0.91	3294	40.93	37.24	0.91	3324	40.48	36.84	0.91	3354	39.96	36.36	0.91	3381	39.56	36.00	0.91	3397	39.13	35.61	0.91	3509	38.59	35.12	0.91	3662	37.91	34.50	0.91	3908	37.02	33.69	0.91	4087	35.94	32.71	0.91	4239	33.43	30.42	0.91	4450	33.09	30.12	0.91	4494	27.30	24.85	0.91	4664
	90	72	42.16	34.15	0.81	3312	41.74	33.81	0.81	3341	41.29	33.44	0.81	3371	40.76	33.02	0.81	3398	40.36	32.69	0.81	3415	39.92	32.33	0.81	3527	39.37	31.89	0.81	3680	38.67	31.32	0.81	3925	37.76	30.59	0.81	4105	36.66	29.70	0.81	4257	34.10	27.62	0.81	4468	33.76	27.34	0.81	4512	27.85	22.56	0.81	4682
	90	75	42.46	29.30	0.69	3333	42.04	29.01	0.69	3362	41.58	28.69	0.69	3393	41.05	28.32	0.69	3419	40.64	28.04	0.69	3436	40.20	27.74	0.69	3548	39.64	27.35	0.69	3701	38.94	26.87	0.69	3946	38.03	26.24	0.69	4126	36.92	25.48	0.69	4278	34.34	23.69	0.69	4489	33.99	23.46	0.69	4533	28.04	19.35	0.69	4703
	90	79	43.05	24.54	0.57	3357	42.63	24.30	0.57	3387	42.16	24.03	0.57	3417	41.62	23.72	0.57	3444	41.21	23.49	0.57	3461	40.76	23.23	0.57	3572	40.20	22.91	0.57	3725	39.49	22.51	0.57	3971	38.56	21.98	0.57	4150	37.44	21.34	0.57	4302	34.82	19.85	0.57	4513	34.47	19.65	0.57	4557	28.44	16.21	0.57	4727

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K(Cooling up to 4 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	21.21	12.94	0.61	4184	18.88	11.52	0.61	4268	18.12	11.06	0.61	4311	17.22	10.50	0.61	4397
	70	68	22.09	10.82	0.49	4207	19.66	9.63	0.49	4291	18.87	9.25	0.49	4334	17.93	8.78	0.49	4420
	72	64	21.87	14.21	0.65	4226	19.46	12.65	0.65	4311	18.68	12.14	0.65	4354	17.75	11.54	0.65	4441
	72	68	22.54	11.95	0.53	4250	20.06	10.63	0.53	4335	19.26	10.21	0.53	4378	18.29	9.70	0.53	4465
	72	72	22.92	9.40	0.41	4266	20.40	8.36	0.41	4351	19.58	8.03	0.41	4394	18.60	7.63	0.41	4481
	73	64	22.31	15.40	0.69	4269	19.86	13.70	0.69	4354	19.07	13.16	0.69	4398	18.11	12.50	0.69	4486
	73	68	23.00	13.11	0.57	4293	20.47	11.67	0.57	4378	19.65	11.20	0.57	4422	18.67	10.64	0.57	4510
	73	72	23.39	10.52	0.45	4309	20.82	9.37	0.45	4395	19.98	8.99	0.45	4438	18.98	8.54	0.45	4527
	75	64	22.77	16.62	0.73	4312	20.27	14.79	0.73	4398	19.45	14.20	0.73	4442	18.48	13.49	0.73	4532
	75	68	23.47	14.31	0.61	4336	20.89	12.74	0.61	4423	20.05	12.23	0.61	4467	19.05	11.62	0.61	4556
	75	72	23.87	11.69	0.49	4353	21.24	10.41	0.49	4439	20.39	9.99	0.49	4483	19.37	9.49	0.49	4572
	75	75	24.20	8.95	0.37	4372	21.54	7.97	0.37	4459	20.68	7.65	0.37	4503	19.64	7.27	0.37	4592
	77	64	23.47	18.08	0.77	4356	20.89	16.09	0.77	4443	20.06	15.44	0.77	4487	19.05	14.67	0.77	4577
	77	68	24.19	15.73	0.65	4380	21.53	14.00	0.65	4467	20.67	13.44	0.65	4512	19.64	12.76	0.65	4602
	77	72	24.60	13.04	0.53	4397	21.90	11.61	0.53	4484	21.02	11.14	0.53	4529	19.97	10.58	0.53	4618
	77	75	24.95	10.23	0.41	4416	22.20	9.10	0.41	4504	21.32	8.74	0.41	4548	20.25	8.30	0.41	4638
	79	64	24.20	19.60	0.81	4400	21.54	17.45	0.81	4488	20.68	16.75	0.81	4533	19.64	15.91	0.81	4624
	79	68	24.94	17.21	0.69	4424	22.20	15.32	0.69	4512	21.31	14.70	0.69	4557	20.24	13.97	0.69	4648
	79	72	25.37	14.46	0.57	4441	22.58	12.87	0.57	4529	21.67	12.35	0.57	4574	20.59	11.74	0.57	4665
	79	75	25.72	11.57	0.45	4461	22.89	10.30	0.45	4549	21.98	9.89	0.45	4594	20.88	9.39	0.45	4685
	79	79	26.13	8.62	0.33	4484	23.26	7.67	0.33	4572	22.33	7.37	0.33	4617	21.21	7.00	0.33	4708
	81	64	24.69	20.99	0.85	4444	21.98	18.68	0.85	4533	21.10	17.93	0.85	4578	20.04	17.04	0.85	4670
	81	66	25.20	19.91	0.79	4454	22.43	17.72	0.79	4543	21.53	17.01	0.79	4588	20.45	16.16	0.79	4680
	81	68	25.45	18.58	0.73	4469	22.65	16.53	0.73	4558	21.74	15.87	0.73	4603	20.66	15.08	0.73	4695
	81	72	25.88	15.79	0.61	4486	23.04	14.05	0.61	4575	22.11	13.49	0.61	4620	21.01	12.82	0.61	4712
	81	75	26.25	12.86	0.49	4506	23.36	11.45	0.49	4595	22.42	10.99	0.49	4640	21.30	10.44	0.49	4732
	81	79	26.67	9.87	0.37	4529	23.73	8.78	0.37	4618	22.78	8.43	0.37	4663	21.64	8.01	0.37	4755
	82	64	24.94	22.20	0.89	4488	22.20	19.76	0.89	4578	21.31	18.97	0.89	4624	20.24	18.02	0.89	4717
	82	68	25.45	19.60	0.77	4514	22.65	17.44	0.77	4604	21.74	16.74	0.77	4650	20.66	15.91	0.77	4742
	82	72	25.70	16.71	0.65	4531	22.88	14.87	0.65	4621	21.96	14.28	0.65	4667	20.86	13.56	0.65	4759
	82	75	26.14	13.86	0.53	4551	23.27	12.33	0.53	4641	22.34	11.84	0.53	4687	21.22	11.25	0.53	4780
	82	79	26.51	10.87	0.41	4574	23.59	9.67	0.41	4664	22.65	9.29	0.41	4710	21.52	8.82	0.41	4803
	84	64	25.19	22.92	0.91	4533	22.42	20.40	0.91	4624	21.52	19.59	0.91	4671	20.45	18.61	0.91	4764
	84	68	25.70	20.82	0.81	4559	22.88	18.53	0.81	4650	21.96	17.79	0.81	4696	20.86	16.90	0.81	4790
	84	72	26.22	18.09	0.69	4576	23.33	16.10	0.69	4667	22.40	15.46	0.69	4713	21.28	14.68	0.69	4807
	84	75	26.40	15.05	0.57	4597	23.50	13.39	0.57	4687	22.56	12.86	0.57	4734	21.43	12.22	0.57	4827
	84	79	26.77	12.05	0.45	4620	23.83	10.72	0.45	4711	22.87	10.29	0.45	4757	21.73	9.78	0.45	4851
	86	64	25.44	23.15	0.91	4579	22.64	20.61	0.91	4670	21.74	19.78	0.91	4717	20.65	18.79	0.91	4812
	86	68	25.96	22.07	0.85	4604	23.11	19.64	0.85	4696	22.18	18.85	0.85	4743	21.07	17.91	0.85	4838
	86	72	26.48	19.33	0.73	4622	23.57	17.20	0.73	4714	22.63	16.52	0.73	4760	21.49	15.69	0.73	4855
	86	75	26.67	16.27	0.61	4643	23.73	14.48	0.61	4734	22.78	13.90	0.61	4781	21.65	13.20	0.61	4876
	86	79	27.04	13.25	0.49	4666	24.07	11.79	0.49	4758	23.10	11.32	0.49	4805	21.95	10.75	0.49	4899
	88	64	25.70	23.38	0.91	4624	22.87	20.81	0.91	4717	21.96	19.98	0.91	4764	20.86	18.98	0.91	4860
	88	68	26.22	23.34	0.89	4650	23.34	20.77	0.89	4743	22.40	19.94	0.89	4790	21.28	18.94	0.89	4886
	88	72	26.75	20.59	0.77	4668	23.80	18.33	0.77	4761	22.85	17.60	0.77	4808	21.71	16.72	0.77	4904
	88	75	26.93	17.51	0.65	4689	23.97	15.58	0.65	4782	23.01	14.96	0.65	4829	21.86	14.21	0.65	4924
	88	79	27.31	14.47	0.53	4713	24.31	12.88	0.53	4806	23.33	12.37	0.53	4853	22.17	11.75	0.53	4948
	90	64	25.95	23.62	0.91	4671	23.10	21.02	0.91	4764	22.18	20.18	0.91	4812	21.07	19.17	0.91	4908
	90	68	26.48	24.10	0.91	4697	23.57	21.45	0.91	4791	22.63	20.59	0.91	4838	21.50	19.56	0.91	4935
	90	72	27.01	21.88	0.81	4715	24.04	19.47	0.81	4808	23.08	18.69	0.81	4856	21.93	17.76	0.81	4953
	90	75	27.20	18.77	0.69	4736	24.21	16.71	0.69	4829	23.24	16.04	0.69	4877	22.08	15.24	0.69	4974
	90	79	27.58	15.72	0.57	4760	24.55	13.99	0.57	4854	23.57	13.43	0.57	4901	22.39	12.76	0.57	4998

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K (Heating up to 4 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	30.00	4824	34.51	5283	38.34	5561	41.67	5675	29.08	5014	32.32	5065	34.02	5116	37.38	5221
	61	29.65	4862	34.10	5326	37.88	5606	41.18	5720	28.74	5055	31.93	5106	33.61	5157	36.94	5263
	63	29.30	4902	33.69	5369	37.44	5651	40.69	5767	28.40	5096	31.55	5147	33.21	5199	36.50	5305
	64	28.95	4941	33.29	5412	36.99	5697	40.21	5813	28.06	5137	31.18	5189	32.82	5241	36.07	5348
	66	28.61	4981	32.90	5456	36.55	5743	39.73	5860	27.73	5178	30.81	5230	32.43	5283	35.64	5391
	68	28.32	5021	32.57	5500	36.19	5789	39.34	5907	27.45	5220	30.51	5273	32.11	5326	35.29	5435
	70	27.98	5076	32.18	5560	35.76	5853	38.87	5972	27.13	5277	30.14	5331	31.73	5384	34.86	5494
	72	27.65	5132	31.79	5621	35.33	5917	38.40	6038	26.80	5335	29.78	5389	31.34	5444	34.44	5555
	73	27.32	5189	31.41	5683	34.90	5982	37.94	6104	26.48	5394	29.42	5448	30.97	5504	34.03	5616
	75	26.99	5246	31.04	5746	34.48	6048	37.48	6172	26.16	5453	29.07	5508	30.60	5564	33.62	5678
	77	26.66	5303	30.66	5809	34.07	6115	37.03	6239	25.85	5513	28.72	5569	30.23	5625	33.22	5740
	79	26.34	5362	30.30	5873	33.66	6182	36.59	6308	25.54	5574	28.37	5630	29.87	5687	32.82	5803
	81	26.03	5421	29.93	5937	33.26	6250	36.15	6377	25.23	5635	28.03	5692	29.51	5750	32.43	5867
	82	25.72	5480	29.57	6003	32.86	6319	35.72	6448	24.93	5697	27.70	5755	29.15	5813	32.04	5932
	84	25.41	5541	29.22	6069	32.46	6388	35.29	6518	24.63	5760	27.36	5818	28.80	5877	31.65	5997
	86	25.10	5602	28.87	6135	32.08	6458	34.86	6590	24.33	5823	27.04	5882	28.46	5942	31.27	6063

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	40.63	5495	41.67	5563	43.88	5770	46.08	5943	47.46	6062	48.88	6183
	61	40.15	5540	41.18	5608	43.36	5817	45.53	5991	46.90	6111	48.30	6233
	63	39.67	5584	40.69	5654	42.85	5864	44.99	6039	46.34	6160	47.73	6283
	64	39.20	5629	40.21	5699	42.34	5911	44.46	6088	45.79	6210	47.16	6334
	66	38.74	5675	39.73	5745	41.84	5959	43.93	6137	45.25	6260	46.60	6385
	68	38.35	5721	39.34	5791	41.42	6007	43.49	6187	44.80	6311	46.14	6437
	70	37.89	5783	38.87	5855	40.93	6073	42.97	6255	44.26	6380	45.59	6508
	72	37.44	5847	38.40	5920	40.43	6139	42.46	6324	43.73	6450	45.04	6579
	73	36.99	5911	37.94	5985	39.95	6207	41.95	6393	43.21	6521	44.50	6651
	75	36.55	5976	37.48	6050	39.47	6275	41.44	6464	42.69	6593	43.97	6725
	77	36.11	6042	37.03	6117	39.00	6344	40.95	6535	42.17	6665	43.44	6799
	79	35.67	6109	36.59	6184	38.53	6414	40.46	6606	41.67	6739	42.92	6873
	81	35.25	6176	36.15	6252	38.07	6485	39.97	6679	41.17	6813	42.40	6949
	82	34.82	6244	35.72	6321	37.61	6556	39.49	6753	40.67	6888	41.89	7025
	84	34.41	6312	35.29	6391	37.16	6628	39.02	6827	40.19	6963	41.39	7103
	86	33.99	6382	34.86	6461	36.71	6701	38.55	6902	39.70	7040	40.90	7181

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	59	29.13	4594	33.50	5032	37.22	5296	40.46	5404	28.24	4776	31.37	4824	33.03	4873	36.29	4972
	61	28.79	4631	33.10	5072	36.78	5339	39.98	5448	27.90	4814	31.00	4863	32.63	4912	35.86	5012
	63	28.44	4668	32.71	5113	36.35	5382	39.51	5492	27.57	4853	30.63	4902	32.25	4951	35.44	5053
	64	28.11	4706	32.32	5154	35.91	5426	39.04	5536	27.24	4892	30.27	4941	31.86	4991	35.02	5093
	66	27.77	4744	31.94	5196	35.49	5469	38.57	5581	26.92	4932	29.91	4981	31.49	5032	34.60	5134
	68	27.50	4782	31.62	5238	35.14	5513	38.19	5626	26.65	4971	29.62	5021	31.18	5072	34.26	5176
	70	27.17	4835	31.24	5295	34.72	5574	37.73	5688	26.34	5026	29.26	5077	30.80	5128	33.85	5233
	72	26.84	4888	30.87	5354	34.30	5635	37.28	5750	26.02	5081	28.91	5133	30.43	5184	33.44	5290
	73	26.52	4942	30.50	5413	33.89	5697	36.83	5814	25.71	5137	28.56	5189	30.07	5241	33.04	5348
	75	26.20	4996	30.13	5472	33.48	5760	36.39	5878	25.40	5194	28.22	5246	29.71	5299	32.64	5407
	77	25.89	5051	29.77	5532	33.08	5823	35.96	5942	25.09	5251	27.88	5304	29.35	5357	32.25	5467
	79	25.58	5106	29.41	5593	32.68	5887	35.52	6008	24.79	5309	27.55	5362	29.00	5416	31.86	5527
	81	25.27	5163	29.06	5655	32.29	5952	35.10	6074	24.49	5367	27.22	5421	28.65	5476	31.48	5588
	82	24.97	5219	28.71	5717	31.90	6018	34.68	6141	24.20	5426	26.89	5481	28.31	5536	31.10	5649
	84	24.67	5277	28.37	5780	31.52	6084	34.26	6208	23.91	5486	26.57	5541	27.97	5597	30.73	5711
	86	24.37	5335	28.03	5843	31.14	6151	33.85	6276	23.62	5546	26.25	5602	27.63	5659	30.36	5774

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K (Heating up to 4 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
120%	59	39.45	5234	40.46	5299	42.60	5495	44.73	5660	46.08	5773	47.46	5889
	61	38.98	5276	39.98	5341	42.10	5540	44.20	5706	45.53	5820	46.90	5936
	63	38.52	5318	39.51	5384	41.60	5584	43.68	5752	44.99	5867	46.34	5984
	64	38.06	5361	39.04	5428	41.11	5629	43.16	5798	44.46	5914	45.79	6033
	66	37.61	5405	38.57	5472	40.62	5675	42.65	5845	43.93	5962	45.25	6081
	68	37.24	5448	38.19	5516	40.22	5721	42.23	5892	43.49	6010	44.80	6130
	70	36.79	5508	37.73	5576	39.73	5783	41.72	5957	42.97	6076	44.26	6198
	72	36.35	5569	37.28	5638	39.26	5847	41.22	6023	42.46	6143	43.73	6266
	73	35.91	5630	36.83	5700	38.79	5911	40.73	6089	41.95	6211	43.21	6335
	75	35.48	5692	36.39	5762	38.32	5976	40.24	6156	41.44	6279	42.69	6404
	77	35.06	5754	35.96	5826	37.86	6042	39.75	6223	40.95	6348	42.17	6475
	79	34.64	5818	35.52	5890	37.41	6109	39.28	6292	40.46	6418	41.67	6546
	81	34.22	5882	35.10	5955	36.96	6176	38.81	6361	39.97	6488	41.17	6618
	82	33.81	5946	34.68	6020	36.51	6244	38.34	6431	39.49	6560	40.67	6691
	84	33.40	6012	34.26	6086	36.08	6312	37.88	6502	39.02	6632	40.19	6764
	86	33.00	6078	33.85	6153	35.64	6382	37.43	6573	38.55	6705	39.70	6839

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	59	28.28	4504	31.82	4782	35.35	5034	39.28	5299	27.41	4682	30.46	4729	32.06	4777	35.24	4874
	61	27.95	4540	31.44	4820	34.93	5074	38.82	5341	27.09	4720	30.10	4767	31.68	4816	34.82	4914
	63	27.62	4577	31.07	4859	34.52	5115	38.36	5384	26.77	4758	29.74	4806	31.31	4854	34.40	4953
	64	27.29	4614	30.70	4899	34.11	5156	37.90	5428	26.45	4796	29.39	4845	30.94	4894	34.00	4993
	66	26.96	4651	30.34	4938	33.71	5198	37.45	5472	26.14	4835	29.04	4884	30.57	4933	33.59	5034
	68	26.70	4688	30.03	4978	33.37	5240	37.08	5516	25.88	4874	28.75	4923	30.27	4973	33.26	5074
	70	26.38	4740	29.67	5033	32.97	5298	36.64	5576	25.57	4927	28.41	4977	29.90	5027	32.86	5130
	72	26.06	4792	29.32	5088	32.58	5356	36.20	5638	25.26	4982	28.07	5032	29.55	5083	32.47	5186
	73	25.75	4845	28.97	5144	32.18	5415	35.76	5700	24.96	5036	27.73	5087	29.19	5139	32.08	5244
	75	25.44	4898	28.62	5201	31.80	5474	35.33	5762	24.66	5092	27.40	5143	28.84	5195	31.69	5301
	77	25.13	4952	28.28	5258	31.42	5534	34.91	5826	24.36	5148	27.07	5200	28.49	5252	31.31	5360
	79	24.83	5006	27.94	5316	31.04	5595	34.49	5890	24.07	5204	26.74	5257	28.15	5310	30.94	5418
	81	24.53	5061	27.60	5374	30.67	5657	34.08	5955	23.78	5262	26.42	5315	27.81	5369	30.57	5478
	82	24.24	5117	27.27	5433	30.30	5719	33.67	6020	23.50	5320	26.11	5373	27.48	5428	30.20	5538
	84	23.95	5173	26.94	5493	29.94	5782	33.26	6086	23.21	5378	25.79	5432	27.15	5487	29.84	5599
	86	23.66	5230	26.62	5553	29.58	5846	32.86	6153	22.94	5437	25.48	5492	26.83	5548	29.48	5661

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
110%	59	38.30	5131	39.28	5195	41.36	5388	43.43	5549	44.73	5660	46.08	5773
	61	37.84	5172	38.82	5237	40.87	5431	42.92	5594	44.20	5706	45.53	5820
	63	37.40	5214	38.36	5279	40.39	5475	42.41	5639	43.68	5752	44.99	5867
	64	36.95	5256	37.90	5321	39.91	5519	41.90	5685	43.16	5798	44.46	5914
	66	36.51	5299	37.45	5364	39.44	5564	41.41	5730	42.65	5845	43.93	5962
	68	36.15	5341	37.08	5408	39.05	5608	41.00	5777	42.23	5892	43.49	6010
	70	35.72	5400	36.64	5467	38.58	5670	40.51	5840	41.72	5957	42.97	6076
	72	35.29	5459	36.20	5527	38.11	5732	40.02	5904	41.22	6023	42.46	6143
	73	34.87	5520	35.76	5588	37.66	5795	39.54	5969	40.73	6089	41.95	6211
	75	34.45	5580	35.33	5649	37.20	5859	39.06	6035	40.24	6156	41.44	6279
	77	34.04	5642	34.91	5712	36.76	5924	38.60	6101	39.75	6223	40.95	6348
	79	33.63	5704	34.49	5774	36.32	5989	38.13	6169	39.28	6292	40.46	6418
	81	33.22	5766	34.08	5838	35.88	6055	37.68	6236	38.81	6361	39.97	6488
	82	32.82	5830	33.67	5902	35.45	6121	37.22	6305	38.34	6431	39.49	6560
	84	32.43	5894	33.26	5967	35.03	6189	36.78	6374	37.88	6502	39.02	6632
	86	32.04	5959	32.86	6033	34.60	6257	36.34	6444	37.43	6573	38.55	6705

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K (Heating up to 4 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	27.46	4373	30.89	4643	34.32	4887	38.14	5144	26.62	4546	29.57	4591	31.13	4638	34.21	4733
	61	27.13	4408	30.52	4680	33.92	4926	37.68	5186	26.30	4582	29.22	4629	30.76	4675	33.80	4771
	63	26.81	4443	30.16	4718	33.51	4966	37.24	5228	25.99	4619	28.88	4666	30.40	4713	33.40	4809
	64	26.49	4479	29.81	4756	33.12	5006	36.80	5270	25.68	4656	28.53	4703	30.04	4751	33.01	4848
	66	26.18	4515	29.45	4794	32.72	5047	36.36	5312	25.38	4694	28.20	4741	29.68	4789	32.61	4887
	68	25.92	4552	29.16	4833	32.40	5087	36.00	5355	25.12	4732	27.92	4780	29.39	4828	32.29	4926
	70	25.61	4602	28.81	4886	32.01	5143	35.57	5414	24.82	4784	27.58	4832	29.03	4881	31.90	4981
	72	25.30	4652	28.46	4940	31.63	5200	35.14	5473	24.53	4837	27.25	4885	28.68	4935	31.52	5035
	73	25.00	4704	28.12	4994	31.25	5257	34.72	5534	24.23	4890	26.92	4939	28.34	4989	31.14	5091
	75	24.70	4755	27.79	5049	30.87	5315	34.30	5595	23.94	4944	26.60	4993	28.00	5044	30.77	5147
	77	24.40	4808	27.45	5105	30.50	5373	33.89	5656	23.65	4998	26.28	5048	27.66	5099	30.40	5203
	79	24.11	4861	27.12	5161	30.14	5432	33.48	5718	23.37	5053	25.97	5104	27.33	5155	30.04	5261
	81	23.82	4914	26.80	5218	29.77	5492	33.08	5781	23.09	5108	25.65	5160	27.00	5212	29.68	5319
	82	23.53	4968	26.48	5275	29.42	5553	32.69	5845	22.81	5165	25.35	5217	26.68	5270	29.32	5377
	84	23.25	5023	26.16	5333	29.06	5614	32.29	5909	22.54	5221	25.04	5274	26.36	5327	28.97	5436
	86	22.97	5078	25.84	5392	28.72	5675	31.91	5974	22.27	5279	24.74	5332	26.04	5386	28.62	5496

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	37.18	4982	38.14	5043	40.16	5231	42.17	5388	43.43	5495	44.73	5605
	61	36.74	5022	37.68	5084	39.68	5273	41.67	5431	42.92	5540	44.20	5650
	63	36.31	5062	37.24	5125	39.21	5315	41.17	5475	42.41	5584	43.68	5696
	64	35.88	5103	36.80	5166	38.75	5358	40.68	5519	41.90	5629	43.16	5742
	66	35.45	5144	36.36	5208	38.29	5401	40.20	5564	41.41	5675	42.65	5788
	68	35.10	5186	36.00	5250	37.91	5445	39.80	5608	41.00	5721	42.23	5835
	70	34.68	5243	35.57	5308	37.45	5505	39.33	5670	40.51	5783	41.72	5899
	72	34.26	5300	35.14	5366	37.00	5565	38.85	5732	40.02	5847	41.22	5964
	73	33.85	5359	34.72	5425	36.56	5627	38.39	5795	39.54	5911	40.73	6030
	75	33.45	5418	34.30	5485	36.12	5689	37.93	5859	39.06	5976	40.24	6096
	77	33.04	5477	33.89	5545	35.69	5751	37.47	5924	38.60	6042	39.75	6163
	79	32.65	5538	33.48	5606	35.26	5814	37.02	5989	38.13	6109	39.28	6231
	81	32.26	5598	33.08	5668	34.84	5878	36.58	6055	37.68	6176	38.81	6299
	82	31.87	5660	32.69	5730	34.42	5943	36.14	6121	37.22	6244	38.34	6369
	84	31.49	5722	32.29	5793	34.01	6008	35.71	6189	36.78	6312	37.88	6439
	86	31.11	5785	31.91	5857	33.60	6075	35.28	6257	36.34	6382	37.43	6510

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	26.50	4294	29.81	4559	33.12	4799	36.80	5052	25.68	4464	28.54	4509	30.04	4554	33.01	4647
	61	26.18	4328	29.46	4596	32.73	4838	36.37	5092	25.38	4500	28.20	4545	29.68	4591	32.62	4685
	63	25.87	4363	29.11	4633	32.34	4877	35.93	5133	25.08	4536	27.87	4582	29.33	4628	32.23	4723
	64	25.57	4399	28.76	4670	31.96	4916	35.51	5175	24.78	4573	27.54	4619	28.98	4665	31.85	4761
	66	25.26	4434	28.42	4708	31.58	4956	35.09	5217	24.49	4610	27.21	4656	28.64	4703	31.47	4799
	68	25.01	4470	28.14	4746	31.27	4996	34.74	5259	24.25	4647	26.94	4694	28.36	4741	31.16	4838
	70	24.71	4519	27.80	4798	30.89	5051	34.32	5316	23.95	4698	26.62	4745	28.02	4793	30.79	4891
	72	24.42	4569	27.47	4851	30.52	5106	33.91	5375	23.67	4749	26.30	4797	27.68	4846	30.42	4945
	73	24.12	4619	27.14	4904	30.15	5162	33.50	5434	23.38	4802	25.98	4850	27.35	4899	30.05	4999
	75	23.83	4670	26.81	4958	29.79	5219	33.10	5494	23.10	4855	25.67	4904	27.02	4953	29.69	5054
	77	23.55	4721	26.49	5013	29.43	5277	32.71	5554	22.83	4908	25.36	4958	26.70	5008	29.34	5110
	79	23.27	4773	26.17	5068	29.08	5335	32.31	5615	22.55	4962	25.06	5012	26.38	5063	28.98	5166
	81	22.99	4826	25.86	5124	28.73	5393	31.92	5677	22.28	5016	24.76	5067	26.06	5118	28.64	5223
	82	22.71	4879	25.55	5180	28.39	5453	31.54	5740	22.01	5072	24.46	5123	25.75	5175	28.29	5280
	84	22.44	4932	25.24	5237	28.05	5513	31.16	5803	21.75	5127	24.17	5179	25.44	5232	27.95	5338
	86	22.17	4987	24.94	5295	27.71	5573	30.79	5867	21.49	5184	23.88	5236	25.13	5289	27.62	5397

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 36K (Heating up to 4 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	35.88	4892	36.80	4953	38.75	5137	40.69	5291	41.91	5396	43.17	5504
	61	35.46	4931	36.37	4992	38.29	5178	40.21	5333	41.41	5440	42.66	5549
	63	35.04	4971	35.93	5033	37.84	5220	39.73	5376	40.92	5484	42.15	5594
	64	34.62	5011	35.51	5073	37.39	5262	39.26	5420	40.44	5528	41.65	5639
	66	34.21	5052	35.09	5114	36.95	5304	38.79	5463	39.96	5573	41.16	5684
	68	33.87	5092	34.74	5156	36.58	5347	38.41	5507	39.56	5618	40.75	5730
	70	33.47	5148	34.32	5212	36.14	5406	37.95	5568	39.09	5679	40.26	5793
	72	33.06	5205	33.91	5270	35.71	5465	37.49	5629	38.62	5742	39.78	5857
	73	32.67	5262	33.50	5328	35.28	5525	37.04	5691	38.16	5805	39.30	5921
	75	32.27	5320	33.10	5386	34.86	5586	36.60	5754	37.70	5869	38.83	5986
	77	31.89	5379	32.71	5445	34.44	5648	36.16	5817	37.25	5933	38.36	6052
	79	31.50	5438	32.31	5505	34.03	5710	35.73	5881	36.80	5999	37.90	6119
	81	31.13	5498	31.92	5566	33.62	5773	35.30	5946	36.36	6065	37.45	6186
	82	30.75	5558	31.54	5627	33.21	5836	34.87	6011	35.92	6131	37.00	6254
	84	30.38	5619	31.16	5689	32.81	5900	34.46	6077	35.49	6199	36.55	6323
	86	30.02	5681	30.79	5752	32.42	5965	34.04	6144	35.06	6267	36.12	6392

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	25.70	4251	28.92	4513	32.13	4751	35.70	5001	24.91	4419	27.68	4464	29.14	4509	32.02	4601
	61	25.40	4285	28.57	4550	31.75	4789	35.27	5041	24.62	4455	27.35	4500	28.79	4545	31.64	4638
	63	25.10	4320	28.23	4587	31.37	4828	34.86	5082	24.33	4491	27.03	4536	28.45	4582	31.27	4675
	64	24.80	4355	27.90	4624	31.00	4867	34.44	5123	24.04	4527	26.71	4573	28.11	4619	30.90	4713
	66	24.51	4390	27.57	4661	30.63	4906	34.03	5164	23.75	4563	26.39	4610	27.78	4656	30.53	4751
	68	24.26	4425	27.30	4698	30.33	4946	33.70	5206	23.52	4600	26.13	4647	27.51	4694	30.23	4789
	70	23.97	4474	26.97	4750	29.96	5000	33.29	5263	23.24	4651	25.82	4698	27.18	4745	29.86	4842
	72	23.68	4523	26.64	4802	29.60	5055	32.89	5321	22.96	4702	25.51	4749	26.85	4797	29.51	4895
	73	23.40	4573	26.32	4855	29.25	5111	32.50	5380	22.68	4754	25.20	4802	26.53	4850	29.15	4949
	75	23.12	4623	26.01	4909	28.90	5167	32.11	5439	22.41	4806	24.90	4855	26.21	4904	28.80	5004
	77	22.84	4674	25.70	4963	28.55	5224	31.72	5499	22.14	4859	24.60	4908	25.90	4958	28.46	5059
	79	22.57	4725	25.39	5017	28.21	5281	31.34	5559	21.87	4912	24.31	4962	25.58	5012	28.11	5114
	81	22.30	4777	25.08	5072	27.87	5339	30.97	5620	21.61	4966	24.01	5016	25.28	5067	27.78	5171
	82	22.03	4830	24.78	5128	27.54	5398	30.60	5682	21.35	5021	23.73	5072	24.97	5123	27.44	5227
	84	21.76	4883	24.48	5185	27.21	5457	30.23	5745	21.10	5076	23.44	5127	24.67	5179	27.11	5285
	86	21.50	4937	24.19	5242	26.88	5517	29.87	5808	20.84	5132	23.16	5184	24.38	5236	26.79	5343

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	34.81	4843	35.70	4903	37.59	5085	39.47	5238	40.65	5342	41.87	5449
	61	34.39	4882	35.27	4943	37.14	5126	39.00	5280	40.17	5386	41.38	5493
	63	33.99	4921	34.86	4982	36.70	5168	38.54	5323	39.70	5429	40.89	5538
	64	33.58	4961	34.44	5023	36.27	5209	38.08	5365	39.22	5473	40.40	5582
	66	33.18	5001	34.03	5063	35.84	5251	37.63	5409	38.76	5517	39.92	5627
	68	32.86	5041	33.70	5104	35.48	5294	37.26	5452	38.38	5561	39.53	5673
	70	32.46	5097	33.29	5160	35.06	5352	36.81	5512	37.92	5623	39.05	5735
	72	32.07	5153	32.89	5217	34.64	5411	36.37	5573	37.46	5684	38.58	5798
	73	31.69	5210	32.50	5274	34.22	5470	35.93	5634	37.01	5747	38.12	5862
	75	31.31	5267	32.11	5332	33.81	5530	35.50	5696	36.57	5810	37.66	5926
	77	30.93	5325	31.72	5391	33.41	5591	35.08	5759	36.13	5874	37.21	5992
	79	30.56	5383	31.34	5450	33.00	5653	34.65	5822	35.69	5939	36.77	6057
	81	30.19	5443	30.97	5510	32.61	5715	34.24	5886	35.27	6004	36.32	6124
	82	29.83	5503	30.60	5571	32.22	5778	33.83	5951	34.84	6070	35.89	6191
	84	29.47	5563	30.23	5632	31.83	5841	33.42	6017	34.42	6137	35.46	6260
	86	29.12	5624	29.87	5694	31.45	5906	33.02	6083	34.01	6204	35.03	6328

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																																																					
	OUTDOOR DB (°F)																																																					
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	43.10	26.29	0.61	4115	42.67	26.03	0.61	4152	42.21	25.75	0.61	4190	41.66	25.42	0.61	4224	41.25	25.16	0.61	4245	40.80	24.89	0.61	4386	40.24	24.55	0.61	4578	39.53	24.11	0.61	4887	38.60	23.55	0.61	5112	37.48	22.86	0.61	5303	34.48	21.03	0.61	5569	34.13	20.82	0.61	5625	28.16	17.18	0.61	5839
	70	68	44.87	21.99	0.49	4138	44.43	21.77	0.49	4176	43.95	21.53	0.49	4213	43.38	21.26	0.49	4247	42.95	21.05	0.49	4269	42.49	20.82	0.49	4409	41.90	20.53	0.49	4602	41.16	20.17	0.49	4910	40.19	19.70	0.49	5136	39.02	19.12	0.49	5327	35.90	17.59	0.49	5593	35.54	17.42	0.49	5648	29.32	14.37	0.49	5862
	72	64	44.43	28.88	0.65	4156	43.99	28.59	0.65	4194	43.51	28.28	0.65	4232	42.95	27.92	0.65	4266	42.53	27.64	0.65	4288	42.07	27.34	0.65	4430	41.48	26.97	0.65	4625	40.75	26.49	0.65	4936	39.80	25.87	0.65	5164	38.64	25.11	0.65	5357	35.55	23.10	0.65	5625	35.19	22.87	0.65	5682	29.03	18.87	0.65	5898
	72	68	45.79	24.27	0.53	4180	45.34	24.03	0.53	4218	44.84	23.77	0.53	4256	44.27	23.46	0.53	4290	43.83	23.23	0.53	4312	43.35	22.98	0.53	4454	42.75	22.66	0.53	4648	42.00	22.26	0.53	4960	41.01	21.74	0.53	5188	39.82	21.10	0.53	5381	36.63	19.42	0.53	5649	36.27	19.22	0.53	5705	29.92	15.86	0.53	5922
	72	72	46.57	19.09	0.41	4196	46.11	18.90	0.41	4234	45.61	18.70	0.41	4272	45.02	18.46	0.41	4306	44.58	18.28	0.41	4328	44.09	18.08	0.41	4470	43.48	17.83	0.41	4664	42.71	17.51	0.41	4976	41.71	17.10	0.41	5204	40.50	16.60	0.41	5397	37.26	15.28	0.41	5665	36.88	15.12	0.41	5722	30.43	12.48	0.41	5938
	73	64	45.34	31.28	0.69	4198	44.89	30.97	0.69	4236	44.40	30.64	0.69	4275	43.83	30.24	0.69	4309	43.40	29.94	0.69	4331	42.92	29.62	0.69	4475	42.33	29.21	0.69	4671	41.58	28.69	0.69	4986	40.61	28.02	0.69	5216	39.43	27.20	0.69	5411	36.27	25.03	0.69	5682	35.91	24.78	0.69	5739	29.62	20.44	0.69	5957
	73	68	46.73	26.63	0.57	4222	46.26	26.37	0.57	4260	45.76	26.08	0.57	4299	45.17	25.75	0.57	4333	44.72	25.49	0.57	4355	44.24	25.22	0.57	4499	43.63	24.87	0.57	4695	42.86	24.43	0.57	5010	41.85	23.86	0.57	5240	40.63	23.16	0.57	5435	37.38	21.31	0.57	5706	37.01	21.09	0.57	5763	30.53	17.40	0.57	5981
	73	72	47.52	21.38	0.45	4238	47.05	21.17	0.45	4277	46.54	20.94	0.45	4315	45.94	20.67	0.45	4350	45.48	20.47	0.45	4372	44.99	20.25	0.45	4515	44.37	19.97	0.45	4712	43.58	19.61	0.45	5026	42.56	19.15	0.45	5256	41.32	18.60	0.45	5451	38.02	17.11	0.45	5722	37.64	16.94	0.45	5779	31.05	13.97	0.45	5998
	75	64	46.26	33.77	0.73	4241	45.80	33.44	0.73	4279	45.31	33.07	0.73	4318	44.72	32.65	0.73	4353	44.28	32.33	0.73	4375	43.80	31.97	0.73	4520	43.20	31.53	0.73	4718	42.43	30.97	0.73	5036	41.44	30.25	0.73	5269	40.23	29.37	0.73	5466	37.01	27.02	0.73	5739	36.64	26.75	0.73	5797	30.23	22.07	0.73	6018
	75	68	47.68	29.08	0.61	4265	47.21	28.80	0.61	4303	46.69	28.48	0.61	4342	46.09	28.12	0.61	4377	45.64	27.84	0.61	4399	45.14	27.54	0.61	4544	44.52	27.16	0.61	4743	43.73	26.68	0.61	5061	42.71	26.05	0.61	5293	41.46	25.29	0.61	5490	38.14	23.27	0.61	5764	37.76	23.04	0.61	5821	31.15	19.00	0.61	6042
	75	72	48.49	23.76	0.49	4281	48.01	23.52	0.49	4320	47.49	23.27	0.49	4359	46.88	22.97	0.49	4394	46.41	22.74	0.49	4416	45.91	22.50	0.49	4561	45.27	22.18	0.49	4759	44.47	21.79	0.49	5077	43.43	21.28	0.49	5309	42.17	20.66	0.49	5506	38.79	19.01	0.49	5780	38.41	18.82	0.49	5838	31.68	15.53	0.49	6058
	75	75	49.17	18.19	0.37	4301	48.68	18.01	0.37	4339	48.15	17.82	0.37	4378	47.53	17.59	0.37	4413	47.06	17.41	0.37	4435	46.55	17.22	0.37	4580	45.91	16.99	0.37	4779	45.10	16.69	0.37	5096	44.04	16.29	0.37	5329	42.76	15.82	0.37	5526	39.34	14.55	0.37	5800	38.94	14.41	0.37	5857	32.13	11.89	0.37	6078
	77	64	47.69	36.72	0.77	4283	47.22	36.36	0.77	4322	46.71	35.96	0.77	4362	46.11	35.50	0.77	4397	45.65	35.15	0.77	4419	45.15	34.77	0.77	4566	44.53	34.29	0.77	4766	43.74	33.68	0.77	5087	42.72	32.89	0.77	5322	41.47	31.94	0.77	5521	38.16	29.38	0.77	5797	37.77	29.09	0.77	5856	31.16	24.00	0.77	6078
	77	68	49.15	31.95	0.65	4308	48.67	31.63	0.65	4347	48.14	31.29	0.65	4386	47.52	30.89	0.65	4421	47.05	30.58	0.65	4444	46.54	30.25	0.65	4590	45.89	29.83	0.65	4791	45.08	29.30	0.65	5112	44.03	28.62	0.65	5346	42.74	27.78	0.65	5545	39.32	25.56	0.65	5822	38.93	25.31	0.65	5880	32.12	20.88	0.65	6103
	77	72	49.99	26.49	0.53	4325	49.49	26.23	0.53	4364	48.96	25.95	0.53	4403	48.33	25.61	0.53	4438	47.85	25.36	0.53	4460	47.33	25.08	0.53	4607	46.67	24.74	0.53	4807	45.85	24.30	0.53	5128	44.77	23.73	0.53	5363	43.47	23.04	0.53	5562	39.99	21.20	0.53	5839	39.59	20.98	0.53	5897	32.66	17.31	0.53	6120
	77	75	50.69	20.78	0.41	4344	50.19	20.58	0.41	4383	49.64	20.35	0.41	4422	49.00	20.09	0.41	4458	48.52	19.89	0.41	4480	47.99	19.68	0.41	4626	47.33	19.40	0.41	4827	46.49	19.06	0.41	5148	45.40	18.61	0.41	5383	44.08	18.07	0.41	5582	40.55	16.63	0.41	5858	40.15	16.46	0.41	5916	33.12	13.58	0.41	6139
	79	64	49.17	39.83	0.81	4327	48.68	39.43	0.81	4366	48.15	39.00	0.81	4406	47.53	38.50	0.81	4441	47.06	38.12	0.81	4464	46.55	37.71	0.81	4612	45.91	37.19	0.81	4814	45.10	36.53	0.81	5139	44.04	35.67	0.81	5376	42.76	34.63	0.81	5577	39.34	31.86	0.81	5856	38.94	31.54	0.81	5915	32.13	26.02	0.81	6140
	79	68	50.67	34.96	0.69	4351	50.17	34.62	0.69	4391	49.63	34.24	0.69	4431	48.99	33.80	0.69	4466	48.50	33.47	0.69	4488	47.98	33.10	0.69	4636	47.31	32.65	0.69	4839	46.48	32.07	0.69	5163	45.39	31.32	0.69	5400	44.07	30.41	0.69	5601	40.54	27.97	0.69	5881	40.14	27.69	0.69	5939	33.11	22.85	0.69	6165
	79	72	51.53	29.37	0.57	4368	51.02	29.08	0.57	4408	50.47	28.77	0.57	4447	49.82	28.40	0.57	4483	49.33	28.12	0.57	4505	48.79	27.81	0.57	4653	48.12	27.43	0.57	4856	47.27	26.94	0.57	5180	46.16	26.31	0.57	5417	44.82	25.54	0.57	5618	41.23	23.50	0.57	5898	40.82	23.27	0.57	5956	33.67	19.19	0.57	6181
	79	75	52.26	23.52	0.45	4388	51.74	23.28	0.45	4427	51.18	23.03	0.45	4467	50.52	22.73	0.45	4503	50.02	22.51	0.45	4525	49.47	22.26	0.45	4673	48.79	21.96	0.45	4876	47.93	21.57	0.45	5200	46.81	21.06	0.45	5437	45.44	20.45	0.45	5638	41.81	18.81	0.45	5917	41.39	18.63	0.45	5976	34.15	15.37	0.45	6201
	79	79	53.09	17.52	0.33	4411	52.57	17.35	0.33	4450	51.99	17.16	0.33	4490	51.33	16.94	0.33	4526	50.82	16.77	0.33	4548	50.27	16.59	0.33	4696	49.57	16.36	0.33	4898	48.70	16.07	0.33	5223	47.55	15.69	0.33	5460	46.17	15.24	0.33	5661	42.48	14.02	0.33	5940	42.05	13.88	0.33	5999	34.69	11.45	0.33	6224
	81	64	50.17	42.65	0.85	4370	49.67	42.22	0.85	4410	49.13	41.76	0.85	4450	48.50	41.23	0.85	4486	48.02	40.82	0.85	4509	47.50	40.38	0.85	4658	46.85	39.82	0.85	4863	46.02	39.11	0.85	5190	44.94	38.20	0.85	5430	43.63	37.09	0.85	5633	40.14	34.12	0.85	5915	39.74	33.78	0.85	5974	32.78	27.87	0.85	6202
	81	66	51.20	40.44	0.79	4380	50.69	40.04	0.79	4420	50.14	39.61	0.79	4460	49.49	39.10	0.79	4496	49.00	38.71	0.79	4519	48.47	38.29	0.79	4668	47.80	37.76	0.79	4873	46.96	37.10	0.79	5200	45.86	36.23	0.79	5440	44.52	35.17	0.79	5643	40.96	32.36	0.79	5925	40.55	32.03	0.79	5984	33.45	26.43	0.79	6212
	81	68	51.71	37.75	0.73	4395	51.20	37.37	0.73	4435	50.64	36.97	0.73	4475	49.99	36.49	0.73	4511	49.49	36.13	0.73	4534	48.96	35.74	0.73	4683	48.28	35.24	0.73	4888	47.43	34.62	0.73	5215	46.31	33.81	0.73	5455	44.97	32.82	0.73	5658	41.37	30.20	0.73	5940	40.95	29.90	0.73	5999	33.79	24.66	0.73	6227
	81	72	52.59	32.08	0.61	4412	52.07	31.76	0.61	4452	51.50	31.41	0.61	4492	50.84	31.01	0.61	4528	50.34	30.70	0.61	4551	49.79	30.37	0.61	4700	49.10	29.95	0.61	4905	48.23	29.42	0.61	5232	47.10	28.73	0.61	5472	45.73	27.90	0.61	5675	42.07	25.66	0.61	5957	41.65	25.41	0.61	6016	34.36	20.96	0.61	6244
	81	75	53.32	26.13	0.49	4432	52.79	25.87	0.49	4472	52.22	25.59	0.49	4512	51.55	25.26	0.49	4548	51.04	25.01	0.49	4571	50.48	24.74	0.49	4720	49.79	24.40	0.49	4925	48.91	23.96	0.49	5252	47.76	23.40	0.49	5492	46.37	22.72	0.49	5695	42.66	20.90	0.49	5977	42.23	20.69	0.49	6036	34.84	17.07	0.49	6264
	81	79	54.18	20.05	0.37	4455	53.64	19.85	0.37	4495	53.06	19.63	0.37	4535	52.38	19.38	0.37	4571	51.86	19.19	0.37	4594	51.29	18.98	0.37	4743	50.58	18.72	0.37	4948	49.69	18.39	0.37	5275	48.53	17.95	0.37	5515	47.11	17.43	0.37	5718	43.34	16.04	0.37	6000	42.91	15.88	0.37	6059	35.40	13.10	0.37	6287
	82	64	50.67	45.10	0.89	4414	50.17	44.65	0.89	4454	49.63	44.17	0.89	4495	48.99	43.60	0.89	4531	48.50	43.17	0.89	4554	47.98	42.70	0.89	4705	47.31	42.11	0.89	4911	46.48	41.36	0.89	5242	45.39	40.40	0.89	5484	44.07	39.22	0.89	5689	40.54	36.08	0.89	5974	40.14	35.72	0.89	6034	33.11	29.47	0.89	6264
	82	68	51.71	39.81	0.77	4439	51.20	39.42	0.77	4479	50.64	38.99	0.77	4520	49.99	38.49	0.77	4556	49.49	38.11	0.77	4579	48.96	37.70	0.77	4730	48.28	37.18	0.77	4937	47.43	36.52	0.77	5268	46.31	35.66	0.77	5509	44.97	34.62	0.77	5715	41.37	31.85	0.77	6000	40.95	31.53	0.77	6059	33.79	26.02	0.77	6289
	82	72	52.22	33.95	0.65	4456	51.71	33.61	0.65	4497	51.14	33.24	0.65	4537	50.49	32.82	0.65	4574	49.99	32.49	0.65	4596	49.44	32.14	0.65	4747	48.76	31.70	0.65	4954	47.90	31.13	0.65	5285	46.78	30.41	0.65	5527	45.41	29.52	0.65	5732	41.78	27.16	0.65	6017	41.36	26.89	0.65	6077	34.13	22.18	0.65	6306
	82	75	53.11	28.15	0.53	4477	52.59	27.87	0.53	4517	52.01	27.57	0.53	4557	51.35	27.21	0.53	4594	50.84	26.94	0.53	4617	50.29	26.65	0.53	4767	49.59	26.28	0.53	4974	48.71	25.82	0.53	5305	47.57	25.21	0.53	5547	46.19	24.48	0.53	5752	42.49	22.52	0.53	6037	42.07	22.30	0.53	6097	34.71	18.39	0.53	6326
	82	79	53.86	22.08	0.41	4500	53.32	21.86	0.41	4540	52.74	21.62	0.41	4581	52.07	21.35	0.41	4617	51.55	21.14	0.41	4640	50.99	20.91	0.41	4791	50.29	20.62	0.41	4997	49.40	20.25	0.41	5328	48.24	19.78	0.41	5570	46.83	19.20	0.41	5775	43.09	17.67	0.41	6060	42.66	17.49	0.41	6120	35.19	14.43	0.41	6350
	84	64	51.18	46.57	0.91	4458	50.67	46.11	0.91	4499	50.12	45.61	0.91	4540	49.48	45.03	0.91	4576	48.99	44.58	0.91	4599	48.46	44.09	0.91	4752	47.79	43.49	0.91	4961	46.94	42.72	0.91	5295	45.84	41.72	0.91	5539	44.51	40.50	0.91	5746	40.95	37.26	0.91	6034	40.54	36.89	0.91	6094	33.44	30.43	0.91	6326
	84	68	52.22	42.30	0.81	4484	51.71	41.88	0.81	4524	51.14	41.43	0.81	4565	50.49	40.90	0.81	4602	49.99	40.49	0.81	4625	49.44	40.05	0.81	4777	48.76	39.50	0.81	4986	47.90	38.80	0.81	5320	46.78	37.89	0.81	5564	45.41	36.79	0.81	5772	41.78	33.84	0.81	6060	41.36	33.50	0.81	6120	34.13	27.64	0.81	6352
	84	72	53.27	36.76	0.69	4501	52.74	36.39	0.69	4542	52.17	36.00	0.69	4583	51.50	35.53	0.69	4619	50.99	35.18	0.69	4642	50.43	34.80	0.69	4795	49.74	34.32	0.69	5003	48.86	33.71	0.69	5338	47.71	32.92	0.69	5582	46.32	31.96	0.69	5789	42.62	29.41	0.69	6077	42.19	29.11	0.69	6137	34.81	24.02	0.69	6369
	84	75	53.64	30.58	0.57	4521	53.11	30.27	0.57	4562	52.53	29.94	0.57	4603	51.86	29.56	0.57	4640	51.35	29.27	0.57	4663	50.79	28.95	0.57	4815	50.09	28.55	0.57	5024	49.20	28.04	0.57	5358	48.05	27.39	0.57	5602	46.65	26.59	0.57	5809	42.92	24.46	0.57	6097	42.49	24.22	0.57	6158	35.05	19.98	0.57	6390
	84	79	54.39	24.48	0.45	4545	53.86	24.24	0.45	4585	53.27	23.97	0.45	4626	52.59	23.66	0.45	4663	52.07	23.43	0.45	4686	51.50	23.17	0.45	4839	50.79	22.85	0.45	5047	49.89	22.45	0.45	5382	48.72	21.92	0.45	5626	47.30	21.29	0.45	5833	43.52	19.58	0.45	6121	43.08	19.39	0.45	6181	35.54	15.99	0.45	6413
	86	64	51.69	47.04	0.91	4503	51.18	46.57	0.91	4544	50.62	46.07	0.91	4585	49.97	45.48	0.91	4622	49.48	45.03	0.91	4645	48.94	44.54	0.91	4799	48.26	43.92	0.91	5010	47.41	43.14	0.91	5348	46.30	42.13	0.91	5594	44.95	40.91	0.91	5804	41.36	37.63	0.91	6094	40.94	37.26	0.91	6155	33.78	30.74	0.91	6390
	86	68	52.75	44.83	0.85	4529	52.22	44.39	0.85	4570	51.66	43.91	0.85	4611	50.99	43.34	0.85	4648	50.49	42.92	0.85	4671	49.94	42.45	0.85	4825	49.25	41.86	0.85	5036	48.38	41.12	0.85	5374	47.25	40.16	0.85	5620	45.87	38.99	0.85	5829	42.20	35.87	0.85	6120	41.78	35.51	0.85	6181	34.47	29.30	0.85	6415
	86	72	53.80	39.28	0.73	4546	53.27	38.89	0.73	4587	52.69	38.46	0.73	4628	52.01	37.97	0.73	4665	51.50	37.59	0.73	4689	50.94	37.18	0.73	4843	50.23	36.67	0.73	5053	49.35	36.02	0.73	5391	48.19	35.18	0.73	5638	46.79	34.15	0.73	5847	43.04	31.42	0.73	6138	42.61	31.11	0.73	6199	35.16	25.66	0.73	6433
	86	75	54.18	33.05	0.61	4567	53.64	32.72	0.61	4608	53.06	32.37	0.61	4649	52.38	31.95	0.61	4686	51.86	31.63	0.61	4709	51.30	31.29	0.61	4863	50.59	30.86	0.61	5074	49.69	30.31	0.61	5412	48.53	29.60	0.61	5658	47.12	28.74	0.61	5868	43.35	26.44	0.61	6158	42.91	26.18	0.61	6219	35.40	21.60	0.61	6454
	86	79	54.94	26.92	0.49	4590	54.39	26.65	0.49	4631	53.80	26.36	0.49	4673	53.11	26.03	0.49	4710	52.59	25.77	0.49	4733	52.01	25.49	0.49	4887	51.30	25.14	0.49	5098	50.39	24.69	0.49	5435	49.21	24.11	0.49	5682	47.77	23.41	0.49	5891	43.95	21.54	0.49	6182	43.51	21.32	0.49	6243	35.90	17.59	0.49	6477
	88	64	52.21	47.51	0.91	4548	51.69	47.04	0.91	4589	51.13	46.53	0.91	4631	50.47	45.93	0.91	4668	49.97	45.48	0.91	4692	49.43	44.98	0.91	4847	48.75	44.36	0.91	5060	47.89	43.58	0.91	5401	46.76	42.55	0.91	5650	45.40	41.32	0.91	5862	41.77	38.01	0.91	6155	41.35	37.63	0.91	6217	34.11	31.04	0.91	6454
	88	68	53.27	47.41	0.89	4574	52.75	46.94	0.89	4615	52.17	46.43	0.89	4657	51.50	45.84	0.89	4694	50.99	45.38	0.89	4718	50.44	44.89	0.89	4873	49.74	44.27	0.89	5086	48.86	43.49	0.89	5427	47.72	42.47	0.89	5676	46.33	41.23	0.89	5888	42.62	37.93	0.89	6181	42.20	37.55	0.89	6243	34.81	30.98	0.89	6480
	88	72	54.34	41.84	0.77	4591	53.80	41.43	0.77	4633	53.22	40.98	0.77	4675	52.53	40.45	0.77	4712	52.01	40.05	0.77	4736	51.45	39.61	0.77	4891	50.74	39.07	0.77	5104	49.84	38.38	0.77	5445	48.67	37.48	0.77	5694	47.25	36.39	0.77	5905	43.47	33.47	0.77	6199	43.04	33.14	0.77	6261	35.51	27.34	0.77	6497
	88	75	54.72	35.57	0.65	4612	54.18	35.22	0.65	4654	53.59	34.83	0.65	4695	52.90	34.39	0.65	4733	52.38	34.05	0.65	4756	51.81	33.68	0.65	4912	51.09	33.21	0.65	5125	50.19	32.62	0.65	5466	49.01	31.86	0.65	5715	47.59	30.93	0.65	5926	43.78	28.46	0.65	6220	43.34	28.17	0.65	6282	35.76	23.24	0.65	6518
	88	79	55.49	29.41	0.53	4636	54.94	29.12	0.53	4678	54.34	28.80	0.53	4719	53.64	28.43	0.53	4757	53.11	28.15	0.53	4780	52.53	27.84	0.53	4936	51.81	27.46	0.53	5149	50.89	26.97	0.53	5490	49.70	26.34	0.53	5739	48.25	25.57	0.53	5950	44.39	23.53	0.53	6244	43.95	23.29	0.53	6305	36.26	19.22	0.53	6542
	90	64	52.73	47.99	0.91	4593	52.21	47.51	0.91	4635	51.64	46.99	0.91	4677	50.98	46.39	0.91	4715	50.47	45.93	0.91	4739	49.92	45.43	0.91	4896	49.23	44.80	0.91	5111	48.36	44.01	0.91	5455	47.23	42.98	0.91	5707	45.86	41.73	0.91	5920	42.19	38.39	0.91	6217	41.76	38.01	0.91	6279	34.46	31.35	0.91	6518
	90	68	53.81	48.96	0.91	4620	53.27	48.48	0.91	4661	52.69	47.95	0.91	4704	52.02	47.34	0.91	4741	51.50	46.87	0.91	4765	50.94	46.36	0.91	4922	50.24	45.72	0.91	5137	49.35	44.91	0.91	5482	48.19	43.86	0.91	5733	46.79	42.58	0.91	5947	43.05	39.17	0.91	6243	42.62	38.78	0.91	6305	35.16	31.99	0.91	6544
	90	72	54.88	44.46	0.81	4637	54.34	44.02	0.81	4679	53.75	43.54	0.81	4721	53.06	42.98	0.81	4759	52.53	42.55	0.81	4783	51.96	42.09	0.81	4940	51.24	41.51	0.81	5155	50.34	40.77	0.81	5499	49.16	39.82	0.81	5751	47.73	38.66	0.81	5964	43.91	35.57	0.81	6261	43.47	35.21	0.81	6323	35.86	29.05	0.81	6562
	90	75	55.27	38.14	0.69	4658	54.72	37.76	0.69	4700	54.13	37.35	0.69	4742	53.43	36.87	0.69	4780	52.90	36.50	0.69	4804	52.33	36.11	0.69	4961	51.60	35.61	0.69	5176	50.69	34.98	0.69	5520	49.50	34.16	0.69	5772	48.06	33.16	0.69	5986	44.22	30.51	0.69	6282	43.78	30.20	0.69	6344	36.11	24.92	0.69	6583
	90	79	56.04	31.94	0.57	4683	55.49	31.63	0.57	4724	54.88	31.28	0.57	4767	54.18	30.88	0.57	4804	53.64	30.58	0.57	4828	53.06	30.24	0.57	4985	52.33	29.83	0.57	5200	51.40	29.30	0.57	5545	50.20	28.61	0.57	5796	48.74	27.78	0.57	6010	44.84	25.56	0.57	6306	44.39	25.30	0.57	6368	36.62	20.87	0.57	6607

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
130%	70	64	27.32	16.66	0.61	5880	24.31	14.83	0.61	5998	23.34	14.24	0.61	6058	22.17	13.53	0.61	6179
	70	68	28.44	13.94	0.49	5903	25.31	12.40	0.49	6021	24.30	11.91	0.49	6081	23.09	11.31	0.49	6203
	72	64	28.16	18.30	0.65	5939	25.06	16.29	0.65	6058	24.06	15.64	0.65	6119	22.86	14.86	0.65	6241
	72	68	29.02	15.38	0.53	5963	25.83	13.69	0.53	6082	24.80	13.14	0.53	6143	23.56	12.49	0.53	6265
	72	72	29.52	12.10	0.41	5979	26.27	10.77	0.41	6098	25.22	10.34	0.41	6159	23.96	9.82	0.41	6281
	73	64	28.74	19.83	0.69	5999	25.57	17.65	0.69	6119	24.55	16.94	0.69	6181	23.32	16.09	0.69	6304
	73	68	29.62	16.88	0.57	6023	26.36	15.02	0.57	6143	25.30	14.42	0.57	6205	24.04	13.70	0.57	6328
	73	72	30.12	13.55	0.45	6040	26.81	12.06	0.45	6160	25.73	11.58	0.45	6221	24.45	11.00	0.45	6345
	75	64	29.32	21.41	0.73	6060	26.10	19.05	0.73	6181	25.05	18.29	0.73	6243	23.80	17.37	0.73	6368
	75	68	30.22	18.43	0.61	6084	26.90	16.41	0.61	6205	25.82	15.75	0.61	6267	24.53	14.96	0.61	6392
	75	72	30.73	15.06	0.49	6101	27.35	13.40	0.49	6222	26.26	12.87	0.49	6284	24.95	12.22	0.49	6409
	75	75	31.16	11.53	0.37	6120	27.74	10.26	0.37	6241	26.63	9.85	0.37	6303	25.30	9.36	0.37	6428
	77	64	30.23	23.28	0.77	6121	26.90	20.72	0.77	6244	25.83	19.89	0.77	6306	24.54	18.89	0.77	6432
	77	68	31.15	20.25	0.65	6146	27.73	18.02	0.65	6268	26.62	17.30	0.65	6331	25.29	16.44	0.65	6457
	77	72	31.68	16.79	0.53	6162	28.20	14.95	0.53	6285	27.07	14.35	0.53	6347	25.72	13.63	0.53	6474
	77	75	32.13	13.17	0.41	6182	28.59	11.72	0.41	6304	27.45	11.25	0.41	6367	26.08	10.69	0.41	6493
	79	64	31.16	25.24	0.81	6183	27.74	22.47	0.81	6307	26.63	21.57	0.81	6370	25.30	20.49	0.81	6497
	79	68	32.12	22.16	0.69	6208	28.59	19.72	0.69	6331	27.44	18.93	0.69	6395	26.07	17.99	0.69	6522
	79	72	32.66	18.62	0.57	6224	29.07	16.57	0.57	6348	27.91	15.91	0.57	6411	26.51	15.11	0.57	6539
	79	75	33.12	14.90	0.45	6244	29.48	13.27	0.45	6368	28.30	12.73	0.45	6431	26.88	12.10	0.45	6559
	79	79	33.65	11.10	0.33	6267	29.95	9.88	0.33	6391	28.75	9.49	0.33	6454	27.31	9.01	0.33	6582
	81	64	31.80	27.03	0.85	6245	28.30	24.06	0.85	6370	27.17	23.09	0.85	6434	25.81	21.94	0.85	6563
	81	66	32.45	25.63	0.79	6255	28.88	22.82	0.79	6380	27.72	21.90	0.79	6444	26.34	20.81	0.79	6573
	81	68	32.77	23.92	0.73	6270	29.17	21.29	0.73	6395	28.00	20.44	0.73	6459	26.60	19.42	0.73	6588
	81	72	33.33	20.33	0.61	6287	29.66	18.10	0.61	6412	28.48	17.37	0.61	6476	27.05	16.50	0.61	6605
	81	75	33.80	16.56	0.49	6307	30.08	14.74	0.49	6432	28.88	14.15	0.49	6496	27.43	13.44	0.49	6625
	81	79	34.34	12.71	0.37	6330	30.56	11.31	0.37	6455	29.34	10.86	0.37	6519	27.87	10.31	0.37	6648
	82	64	32.12	28.59	0.89	6308	28.59	25.44	0.89	6434	27.44	24.42	0.89	6499	26.07	23.20	0.89	6629
	82	68	32.77	25.24	0.77	6333	29.17	22.46	0.77	6459	28.00	21.56	0.77	6524	26.60	20.48	0.77	6654
	82	72	33.10	21.52	0.65	6350	29.46	19.15	0.65	6477	28.28	18.38	0.65	6541	26.87	17.46	0.65	6671
	82	75	33.66	17.84	0.53	6370	29.96	15.88	0.53	6497	28.76	15.24	0.53	6561	27.32	14.48	0.53	6691
	82	79	34.14	14.00	0.41	6394	30.38	12.46	0.41	6520	29.17	11.96	0.41	6584	27.71	11.36	0.41	6715
	84	64	32.44	29.52	0.91	6371	28.87	26.27	0.91	6498	27.72	25.22	0.91	6564	26.33	23.96	0.91	6695
	84	68	33.10	26.81	0.81	6396	29.46	23.86	0.81	6524	28.28	22.91	0.81	6589	26.87	21.76	0.81	6721
	84	72	33.76	23.30	0.69	6414	30.05	20.73	0.69	6541	28.85	19.90	0.69	6606	27.41	18.91	0.69	6738
	84	75	34.00	19.38	0.57	6434	30.26	17.25	0.57	6562	29.05	16.56	0.57	6627	27.60	15.73	0.57	6758
	84	79	34.48	15.51	0.45	6458	30.68	13.81	0.45	6585	29.46	13.26	0.45	6650	27.98	12.59	0.45	6782
	86	64	32.76	29.82	0.91	6435	29.16	26.54	0.91	6563	27.99	25.47	0.91	6629	26.59	24.20	0.91	6762
	86	68	33.43	28.42	0.85	6460	29.75	25.29	0.85	6589	28.56	24.28	0.85	6655	27.14	23.07	0.85	6788
	86	72	34.10	24.89	0.73	6478	30.35	22.16	0.73	6607	29.14	21.27	0.73	6672	27.68	20.21	0.73	6805
	86	75	34.34	20.95	0.61	6498	30.56	18.64	0.61	6627	29.34	17.90	0.61	6693	27.87	17.00	0.61	6826
	86	79	34.82	17.06	0.49	6522	30.99	15.19	0.49	6651	29.75	14.58	0.49	6717	28.26	13.85	0.49	6850
	88	64	33.09	30.11	0.91	6499	29.45	26.80	0.91	6629	28.27	25.73	0.91	6695	26.86	24.44	0.91	6830
	88	68	33.77	30.05	0.89	6525	30.05	26.75	0.89	6655	28.85	25.68	0.89	6721	27.41	24.39	0.89	6856
	88	72	34.44	26.52	0.77	6543	30.65	23.60	0.77	6673	29.43	22.66	0.77	6739	27.96	21.53	0.77	6873
	88	75	34.68	22.54	0.65	6563	30.87	20.06	0.65	6694	29.63	19.26	0.65	6760	28.15	18.30	0.65	6894
	88	79	35.17	18.64	0.53	6587	31.30	16.59	0.53	6718	30.05	15.93	0.53	6784	28.55	15.13	0.53	6918
	90	64	33.42	30.41	0.91	6564	29.75	27.07	0.91	6695	28.56	25.99	0.91	6762	27.13	24.69	0.91	6898
	90	68	34.10	31.04	0.91	6590	30.35	27.62	0.91	6722	29.14	26.52	0.91	6789	27.68	25.19	0.91	6924
	90	72	34.79	28.18	0.81	6608	30.96	25.08	0.81	6739	29.72	24.07	0.81	6807	28.24	22.87	0.81	6942
	90	75	35.03	24.17	0.69	6629	31.18	21.51	0.69	6761	29.93	20.65	0.69	6828	28.43	19.62	0.69	6963
	90	79	35.52	20.25	0.57	6653	31.61	18.02	0.57	6785	30.35	17.30	0.57	6852	28.83	16.43	0.57	6987

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																			
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	42.69	26.04	0.61	4075	42.27	25.78	0.61	4112	41.81	25.50	0.61	4150	41.27	25.18	0.61	4183	40.86	24.93	0.61	4204	40.42	24.66	0.61	4344	39.86	24.31	0.61	4534	39.16	23.88	0.61	4840	38.24	23.33	0.61	5063	37.12	22.65	0.61	5253	34.15	20.83	0.61	5516	33.81	20.63	0.61	5571	27.90	17.02	0.61	5783
	70	68	44.45	21.78	0.49	4099	44.01	21.57	0.49	4136	43.53	21.33	0.49	4173	42.97	21.06	0.49	4207	42.55	20.85	0.49	4228	42.09	20.62	0.49	4367	41.50	20.34	0.49	4558	40.77	19.98	0.49	4863	39.81	19.51	0.49	5087	38.66	18.94	0.49	5276	35.56	17.43	0.49	5539	35.21	17.25	0.49	5594	29.05	14.23	0.49	5806
	72	64	44.01	28.61	0.65	4116	43.58	28.32	0.65	4154	43.10	28.02	0.65	4192	42.55	27.66	0.65	4225	42.13	27.38	0.65	4247	41.67	27.08	0.65	4387	41.09	26.71	0.65	4580	40.37	26.24	0.65	4889	39.42	25.62	0.65	5114	38.27	24.88	0.65	5306	35.21	22.89	0.65	5571	34.86	22.66	0.65	5627	28.76	18.69	0.65	5841
	72	68	45.36	24.04	0.53	4140	44.91	23.80	0.53	4178	44.42	23.54	0.53	4215	43.85	23.24	0.53	4249	43.42	23.01	0.53	4270	42.94	22.76	0.53	4411	42.35	22.45	0.53	4604	41.60	22.05	0.53	4913	40.63	21.53	0.53	5138	39.44	20.91	0.53	5329	36.29	19.23	0.53	5595	35.93	19.04	0.53	5651	29.64	15.71	0.53	5865
	72	72	46.13	18.91	0.41	4156	45.67	18.73	0.41	4194	45.18	18.52	0.41	4232	44.60	18.28	0.41	4265	44.15	18.10	0.41	4287	43.67	17.91	0.41	4427	43.07	17.66	0.41	4620	42.31	17.35	0.41	4929	41.32	16.94	0.41	5154	40.11	16.45	0.41	5346	36.91	15.13	0.41	5611	36.54	14.98	0.41	5667	30.14	12.36	0.41	5881
	73	64	44.91	30.99	0.69	4158	44.46	30.68	0.69	4196	43.98	30.35	0.69	4234	43.42	29.96	0.69	4268	42.99	29.66	0.69	4290	42.52	29.34	0.69	4432	41.93	28.93	0.69	4626	41.19	28.42	0.69	4938	40.23	27.76	0.69	5166	39.05	26.95	0.69	5359	35.93	24.79	0.69	5628	35.57	24.54	0.69	5684	29.35	20.25	0.69	5900
	73	68	46.28	26.38	0.57	4182	45.83	26.12	0.57	4220	45.33	25.84	0.57	4258	44.75	25.51	0.57	4292	44.30	25.25	0.57	4314	43.82	24.98	0.57	4456	43.22	24.63	0.57	4650	42.45	24.20	0.57	4962	41.46	23.63	0.57	5190	40.25	22.94	0.57	5383	37.03	21.11	0.57	5652	36.66	20.90	0.57	5708	30.24	17.24	0.57	5924
	73	72	47.07	21.18	0.45	4198	46.61	20.97	0.45	4236	46.10	20.74	0.45	4274	45.51	20.48	0.45	4308	45.06	20.28	0.45	4330	44.57	20.05	0.45	4472	43.95	19.78	0.45	4667	43.17	19.43	0.45	4979	42.16	18.97	0.45	5206	40.93	18.42	0.45	5400	37.66	16.95	0.45	5668	37.28	16.78	0.45	5724	30.76	13.84	0.45	5941
	75	64	45.83	33.45	0.73	4200	45.37	33.12	0.73	4238	44.88	32.76	0.73	4277	44.30	32.34	0.73	4311	43.86	32.02	0.73	4333	43.39	31.67	0.73	4477	42.79	31.24	0.73	4673	42.03	30.68	0.73	4988	41.05	29.96	0.73	5218	39.85	29.09	0.73	5413	36.66	26.76	0.73	5684	36.30	26.50	0.73	5741	29.94	21.86	0.73	5960
	75	68	47.23	28.81	0.61	4224	46.76	28.52	0.61	4262	46.25	28.21	0.61	4301	45.66	27.85	0.61	4335	45.21	27.58	0.61	4357	44.71	27.28	0.61	4501	44.10	26.90	0.61	4697	43.32	26.42	0.61	5012	42.30	25.80	0.61	5242	41.07	25.05	0.61	5438	37.78	23.05	0.61	5709	37.41	22.82	0.61	5766	30.86	18.83	0.61	5984
	75	72	48.03	23.54	0.49	4241	47.56	23.30	0.49	4279	47.04	23.05	0.49	4317	46.44	22.75	0.49	4352	45.98	22.53	0.49	4374	45.48	22.28	0.49	4517	44.85	21.98	0.49	4714	44.05	21.59	0.49	5029	43.02	21.08	0.49	5259	41.77	20.47	0.49	5454	38.43	18.83	0.49	5725	38.04	18.64	0.49	5782	31.39	15.38	0.49	6001
	75	75	48.70	18.02	0.37	4260	48.22	17.84	0.37	4298	47.70	17.65	0.37	4337	47.09	17.42	0.37	4371	46.62	17.25	0.37	4393	46.11	17.06	0.37	4537	45.48	16.83	0.37	4733	44.67	16.53	0.37	5048	43.62	16.14	0.37	5278	42.35	15.67	0.37	5473	38.97	14.42	0.37	5745	38.58	14.27	0.37	5802	31.82	11.78	0.37	6020
	77	64	47.24	36.38	0.77	4242	46.78	36.02	0.77	4281	46.27	35.63	0.77	4320	45.67	35.17	0.77	4355	45.22	34.82	0.77	4377	44.73	34.44	0.77	4522	44.11	33.97	0.77	4720	43.33	33.36	0.77	5038	42.32	32.58	0.77	5271	41.08	31.63	0.77	5468	37.80	29.10	0.77	5742	37.42	28.81	0.77	5799	30.87	23.77	0.77	6020
	77	68	48.69	31.65	0.65	4267	48.21	31.33	0.65	4305	47.68	30.99	0.65	4344	47.07	30.60	0.65	4379	46.60	30.29	0.65	4401	46.10	29.96	0.65	4546	45.46	29.55	0.65	4745	44.66	29.03	0.65	5063	43.61	28.35	0.65	5295	42.34	27.52	0.65	5492	38.95	25.32	0.65	5766	38.56	25.07	0.65	5824	31.82	20.68	0.65	6045
	77	72	49.52	26.24	0.53	4283	49.03	25.98	0.53	4322	48.49	25.70	0.53	4361	47.87	25.37	0.53	4396	47.40	25.12	0.53	4418	46.88	24.85	0.53	4563	46.23	24.50	0.53	4762	45.42	24.07	0.53	5080	44.35	23.51	0.53	5312	43.06	22.82	0.53	5509	39.62	21.00	0.53	5783	39.22	20.79	0.53	5841	32.36	17.15	0.53	6061
	77	75	50.21	20.59	0.41	4303	49.71	20.38	0.41	4342	49.17	20.16	0.41	4381	48.54	19.90	0.41	4416	48.06	19.70	0.41	4437	47.54	19.49	0.41	4582	46.88	19.22	0.41	4781	46.05	18.88	0.41	5099	44.97	18.44	0.41	5332	43.66	17.90	0.41	5529	40.17	16.47	0.41	5803	39.77	16.31	0.41	5860	32.81	13.45	0.41	6081
	79	64	48.70	39.45	0.81	4285	48.22	39.06	0.81	4324	47.70	38.63	0.81	4364	47.09	38.14	0.81	4399	46.62	37.76	0.81	4421	46.11	37.35	0.81	4567	45.48	36.84	0.81	4768	44.67	36.18	0.81	5089	43.62	35.34	0.81	5324	42.35	34.31	0.81	5523	38.97	31.56	0.81	5800	38.58	31.25	0.81	5858	31.82	25.78	0.81	6081
	79	68	50.20	34.63	0.69	4310	49.70	34.29	0.69	4349	49.16	33.92	0.69	4388	48.53	33.48	0.69	4424	48.05	33.15	0.69	4446	47.52	32.79	0.69	4592	46.87	32.34	0.69	4793	46.04	31.77	0.69	5114	44.96	31.02	0.69	5349	43.65	30.12	0.69	5548	40.16	27.71	0.69	5825	39.76	27.43	0.69	5883	32.80	22.63	0.69	6106
	79	72	51.05	29.10	0.57	4327	50.54	28.81	0.57	4366	49.99	28.50	0.57	4405	49.35	28.13	0.57	4440	48.86	27.85	0.57	4463	48.33	27.55	0.57	4609	47.66	27.17	0.57	4810	46.82	26.69	0.57	5131	45.72	26.06	0.57	5366	44.39	25.30	0.57	5565	40.84	23.28	0.57	5841	40.43	23.05	0.57	5900	33.36	19.01	0.57	6123
	79	75	51.76	23.29	0.45	4347	51.25	23.06	0.45	4386	50.69	22.81	0.45	4425	50.04	22.52	0.45	4460	49.55	22.30	0.45	4482	49.01	22.05	0.45	4629	48.33	21.75	0.45	4829	47.48	21.36	0.45	5151	46.36	20.86	0.45	5385	45.01	20.26	0.45	5585	41.41	18.64	0.45	5861	41.00	18.45	0.45	5919	33.82	15.22	0.45	6142
	79	79	52.59	17.36	0.33	4369	52.07	17.18	0.33	4408	51.50	17.00	0.33	4448	50.84	16.78	0.33	4483	50.34	16.61	0.33	4505	49.79	16.43	0.33	4652	49.10	16.20	0.33	4852	48.24	15.92	0.33	5173	47.11	15.54	0.33	5408	45.73	15.09	0.33	5607	42.08	13.88	0.33	5884	41.65	13.75	0.33	5942	34.36	11.34	0.33	6165
	81	64	49.70	42.24	0.85	4328	49.21	41.83	0.85	4368	48.67	41.37	0.85	4408	48.05	40.84	0.85	4443	47.57	40.44	0.85	4466	47.05	40.00	0.85	4614	46.40	39.44	0.85	4816	45.58	38.75	0.85	5141	44.51	37.84	0.85	5378	43.22	36.74	0.85	5579	39.76	33.80	0.85	5858	39.36	33.46	0.85	5917	32.47	27.60	0.85	6142
	81	66	50.71	40.06	0.79	4338	50.21	39.67	0.79	4378	49.66	39.23	0.79	4418	49.03	38.73	0.79	4453	48.54	38.35	0.79	4476	48.01	37.93	0.79	4624	47.35	37.41	0.79	4826	46.51	36.75	0.79	5151	45.42	35.88	0.79	5388	44.10	34.84	0.79	5589	40.57	32.05	0.79	5868	40.17	31.73	0.79	5927	33.14	26.18	0.79	6152
	81	68	51.22	37.39	0.73	4353	50.71	37.02	0.73	4393	50.16	36.62	0.73	4433	49.52	36.15	0.73	4468	49.03	35.79	0.73	4491	48.49	35.40	0.73	4639	47.82	34.91	0.73	4841	46.98	34.29	0.73	5166	45.88	33.49	0.73	5403	44.54	32.51	0.73	5604	40.98	29.91	0.73	5883	40.57	29.61	0.73	5942	33.47	24.43	0.73	6167
	81	72	52.09	31.78	0.61	4370	51.57	31.46	0.61	4410	51.01	31.12	0.61	4450	50.36	30.72	0.61	4485	49.86	30.41	0.61	4508	49.32	30.08	0.61	4656	48.64	29.67	0.61	4858	47.78	29.14	0.61	5183	46.66	28.46	0.61	5420	45.30	27.63	0.61	5621	41.67	25.42	0.61	5900	41.26	25.17	0.61	5959	34.04	20.76	0.61	6184
	81	75	52.82	25.88	0.49	4390	52.30	25.63	0.49	4430	51.73	25.35	0.49	4470	51.06	25.02	0.49	4505	50.56	24.77	0.49	4528	50.01	24.50	0.49	4676	49.32	24.17	0.49	4878	48.45	23.74	0.49	5203	47.31	23.18	0.49	5440	45.93	22.51	0.49	5641	42.26	20.71	0.49	5920	41.84	20.50	0.49	5979	34.51	16.91	0.49	6204
	81	79	53.66	19.86	0.37	4413	53.13	19.66	0.37	4453	52.56	19.45	0.37	4493	51.88	19.20	0.37	4528	51.37	19.01	0.37	4551	50.81	18.80	0.37	4699	50.11	18.54	0.37	4901	49.22	18.21	0.37	5226	48.07	17.78	0.37	5463	46.67	17.27	0.37	5664	42.93	15.89	0.37	5943	42.50	15.73	0.37	6002	35.07	12.97	0.37	6227
	82	64	50.20	44.67	0.89	4372	49.70	44.23	0.89	4411	49.16	43.75	0.89	4452	48.53	43.19	0.89	4488	48.05	42.76	0.89	4510	47.52	42.30	0.89	4660	46.87	41.71	0.89	4864	46.04	40.97	0.89	5192	44.96	40.01	0.89	5432	43.65	38.85	0.89	5635	40.16	35.74	0.89	5917	39.76	35.38	0.89	5976	32.80	29.19	0.89	6204
	82	68	51.22	39.44	0.77	4397	50.71	39.05	0.77	4437	50.16	38.62	0.77	4477	49.52	38.13	0.77	4513	49.03	37.75	0.77	4535	48.49	37.34	0.77	4685	47.82	36.82	0.77	4890	46.98	36.17	0.77	5217	45.88	35.33	0.77	5457	44.54	34.30	0.77	5660	40.98	31.55	0.77	5942	40.57	31.24	0.77	6002	33.47	25.77	0.77	6229
	82	72	51.73	33.63	0.65	4414	51.22	33.29	0.65	4454	50.66	32.93	0.65	4494	50.01	32.51	0.65	4530	49.52	32.19	0.65	4553	48.98	31.84	0.65	4702	48.30	31.40	0.65	4907	47.45	30.84	0.65	5235	46.34	30.12	0.65	5474	44.99	29.24	0.65	5677	41.39	26.90	0.65	5959	40.97	26.63	0.65	6019	33.80	21.97	0.65	6246
	82	75	52.61	27.88	0.53	4434	52.09	27.61	0.53	4474	51.52	27.31	0.53	4514	50.86	26.96	0.53	4550	50.36	26.69	0.53	4573	49.81	26.40	0.53	4722	49.12	26.04	0.53	4927	48.25	25.57	0.53	5255	47.12	24.98	0.53	5494	45.75	24.25	0.53	5697	42.09	22.31	0.53	5980	41.67	22.09	0.53	6039	34.38	18.22	0.53	6266
	82	79	53.35	21.87	0.41	4458	52.82	21.66	0.41	4497	52.25	21.42	0.41	4538	51.57	21.15	0.41	4573	51.06	20.94	0.41	4596	50.51	20.71	0.41	4746	49.81	20.42	0.41	4950	48.93	20.06	0.41	5278	47.78	19.59	0.41	5517	46.39	19.02	0.41	5721	42.68	17.50	0.41	6003	42.25	17.32	0.41	6062	34.86	14.29	0.41	6290
	84	64	50.70	46.13	0.91	4415	50.20	45.68	0.91	4456	49.65	45.18	0.91	4496	49.01	44.60	0.91	4533	48.53	44.16	0.91	4555	48.00	43.68	0.91	4706	47.34	43.08	0.91	4913	46.50	42.31	0.91	5244	45.41	41.32	0.91	5486	44.09	40.12	0.91	5691	40.56	36.91	0.91	5976	40.15	36.54	0.91	6036	33.13	30.15	0.91	6266
	84	68	51.73	41.90	0.81	4441	51.22	41.49	0.81	4481	50.66	41.04	0.81	4522	50.01	40.51	0.81	4558	49.52	40.11	0.81	4581	48.98	39.67	0.81	4732	48.30	39.12	0.81	4939	47.45	38.43	0.81	5270	46.34	37.53	0.81	5511	44.99	36.44	0.81	5717	41.39	33.52	0.81	6002	40.97	33.19	0.81	6062	33.80	27.38	0.81	6291
	84	72	52.77	36.41	0.69	4458	52.24	36.05	0.69	4498	51.68	35.66	0.69	4539	51.01	35.20	0.69	4575	50.51	34.85	0.69	4598	49.96	34.47	0.69	4749	49.27	34.00	0.69	4956	48.40	33.39	0.69	5287	47.26	32.61	0.69	5529	45.89	31.66	0.69	5734	42.22	29.13	0.69	6019	41.79	28.84	0.69	6079	34.48	23.79	0.69	6309
	84	75	53.14	30.29	0.57	4479	52.61	29.99	0.57	4519	52.04	29.66	0.57	4559	51.37	29.28	0.57	4596	50.86	28.99	0.57	4619	50.31	28.68	0.57	4770	49.61	28.28	0.57	4976	48.74	27.78	0.57	5307	47.59	27.13	0.57	5549	46.21	26.34	0.57	5754	42.51	24.23	0.57	6039	42.09	23.99	0.57	6099	34.72	19.79	0.57	6329
	84	79	53.88	24.25	0.45	4502	53.35	24.01	0.45	4542	52.77	23.75	0.45	4583	52.09	23.44	0.45	4619	51.57	23.21	0.45	4642	51.01	22.96	0.45	4793	50.31	22.64	0.45	5000	49.42	22.24	0.45	5331	48.26	21.72	0.45	5573	46.86	21.09	0.45	5778	43.11	19.40	0.45	6063	42.68	19.20	0.45	6123	35.21	15.84	0.45	6353
	86	64	51.20	46.60	0.91	4460	50.70	46.13	0.91	4500	50.15	45.63	0.91	4541	49.50	45.05	0.91	4578	49.01	44.60	0.91	4601	48.48	44.12	0.91	4753	47.81	43.51	0.91	4962	46.96	42.74	0.91	5297	45.86	41.74	0.91	5541	44.53	40.52	0.91	5748	40.97	37.28	0.91	6036	40.56	36.91	0.91	6096	33.46	30.45	0.91	6328
	86	68	52.25	44.41	0.85	4485	51.73	43.97	0.85	4526	51.17	43.49	0.85	4567	50.51	42.94	0.85	4604	50.01	42.51	0.85	4627	49.47	42.05	0.85	4779	48.79	41.47	0.85	4988	47.92	40.73	0.85	5322	46.80	39.78	0.85	5567	45.44	38.62	0.85	5774	41.80	35.53	0.85	6062	41.38	35.18	0.85	6122	34.14	29.02	0.85	6354
	86	72	53.29	38.90	0.73	4503	52.77	38.52	0.73	4543	52.19	38.10	0.73	4584	51.52	37.61	0.73	4621	51.01	37.24	0.73	4644	50.46	36.83	0.73	4797	49.76	36.33	0.73	5005	48.88	35.68	0.73	5340	47.74	34.85	0.73	5584	46.34	33.83	0.73	5791	42.64	31.13	0.73	6079	42.21	30.81	0.73	6140	34.82	25.42	0.73	6372
	86	75	53.67	32.74	0.61	4523	53.14	32.41	0.61	4564	52.56	32.06	0.61	4605	51.88	31.65	0.61	4642	51.37	31.34	0.61	4665	50.81	31.00	0.61	4817	50.11	30.57	0.61	5026	49.22	30.03	0.61	5360	48.07	29.32	0.61	5605	46.67	28.47	0.61	5812	42.94	26.19	0.61	6100	42.51	25.93	0.61	6160	35.07	21.39	0.61	6392
	86	79	54.42	26.67	0.49	4547	53.88	26.40	0.49	4588	53.30	26.11	0.49	4629	52.61	25.78	0.49	4665	52.09	25.52	0.49	4688	51.52	25.25	0.49	4841	50.81	24.90	0.49	5050	49.91	24.46	0.49	5384	48.74	23.88	0.49	5628	47.32	23.19	0.49	5836	43.54	21.33	0.49	6124	43.10	21.12	0.49	6184	35.56	17.42	0.49	6416
	88	64	51.72	47.06	0.91	4504	51.20	46.60	0.91	4545	50.65	46.09	0.91	4587	50.00	45.50	0.91	4624	49.50	45.05	0.91	4647	48.96	44.56	0.91	4801	48.29	43.94	0.91	5012	47.43	43.16	0.91	5349	46.32	42.15	0.91	5596	44.97	40.93	0.91	5806	41.37	37.65	0.91	6096	40.96	37.27	0.91	6157	33.79	30.75	0.91	6392
	88	68	52.77	46.97	0.89	4530	52.25	46.50	0.89	4571	51.68	46.00	0.89	4613	51.02	45.41	0.89	4650	50.51	44.96	0.89	4673	49.96	44.47	0.89	4827	49.27	43.85	0.89	5038	48.40	43.08	0.89	5375	47.27	42.07	0.89	5622	45.89	40.84	0.89	5832	42.22	37.58	0.89	6122	41.80	37.20	0.89	6183	34.48	30.69	0.89	6418
	88	72	53.83	41.45	0.77	4548	53.29	41.04	0.77	4589	52.71	40.59	0.77	4630	52.04	40.07	0.77	4667	51.52	39.67	0.77	4691	50.96	39.24	0.77	4845	50.26	38.70	0.77	5056	49.37	38.01	0.77	5393	48.21	37.12	0.77	5640	46.81	36.04	0.77	5849	43.06	33.16	0.77	6140	42.63	32.83	0.77	6201	35.17	27.08	0.77	6435
	88	75	54.21	35.23	0.65	4569	53.67	34.88	0.65	4610	53.08	34.51	0.65	4651	52.40	34.06	0.65	4688	51.88	33.73	0.65	4711	51.32	33.36	0.65	4865	50.61	32.90	0.65	5076	49.72	32.32	0.65	5414	48.55	31.56	0.65	5661	47.14	30.64	0.65	5870	43.37	28.19	0.65	6161	42.93	27.91	0.65	6222	35.42	23.02	0.65	6456
	88	79	54.96	29.13	0.53	4593	54.42	28.84	0.53	4634	53.83	28.53	0.53	4675	53.14	28.16	0.53	4712	52.61	27.88	0.53	4735	52.04	27.58	0.53	4889	51.32	27.20	0.53	5100	50.41	26.72	0.53	5438	49.23	26.09	0.53	5685	47.80	25.33	0.53	5894	43.97	23.31	0.53	6185	43.53	23.07	0.53	6246	35.92	19.04	0.53	6480
	90	64	52.23	47.53	0.91	4549	51.72	47.06	0.91	4591	51.15	46.55	0.91	4632	50.50	45.95	0.91	4670	50.00	45.50	0.91	4693	49.45	45.00	0.91	4849	48.77	44.38	0.91	5062	47.91	43.60	0.91	5403	46.79	42.57	0.91	5652	45.42	41.33	0.91	5864	41.79	38.03	0.91	6157	41.37	37.65	0.91	6219	34.13	31.06	0.91	6456
	90	68	53.30	48.50	0.91	4575	52.77	48.02	0.91	4617	52.20	47.50	0.91	4659	51.53	46.89	0.91	4696	51.02	46.43	0.91	4720	50.46	45.92	0.91	4875	49.77	45.29	0.91	5088	48.89	44.49	0.91	5429	47.74	43.44	0.91	5678	46.35	42.18	0.91	5890	42.64	38.80	0.91	6184	42.22	38.42	0.91	6245	34.83	31.69	0.91	6482
	90	72	54.37	44.04	0.81	4593	53.83	43.60	0.81	4635	53.24	43.13	0.81	4677	52.56	42.57	0.81	4714	52.04	42.15	0.81	4738	51.47	41.69	0.81	4893	50.76	41.12	0.81	5106	49.86	40.39	0.81	5447	48.69	39.44	0.81	5696	47.28	38.29	0.81	5908	43.49	35.23	0.81	6201	43.06	34.88	0.81	6263	35.52	28.77	0.81	6500
	90	75	54.75	37.78	0.69	4614	54.21	37.40	0.69	4656	53.62	36.99	0.69	4698	52.93	36.52	0.69	4735	52.40	36.16	0.69	4759	51.83	35.77	0.69	4914	51.12	35.27	0.69	5127	50.21	34.65	0.69	5468	49.04	33.84	0.69	5717	47.61	32.85	0.69	5929	43.80	30.22	0.69	6222	43.36	29.92	0.69	6284	35.77	24.68	0.69	6521
	90	79	55.51	31.64	0.57	4639	54.96	31.33	0.57	4680	54.37	30.99	0.57	4722	53.67	30.59	0.57	4759	53.14	30.29	0.57	4783	52.56	29.96	0.57	4938	51.83	29.55	0.57	5151	50.92	29.02	0.57	5492	49.72	28.34	0.57	5741	48.28	27.52	0.57	5953	44.41	25.32	0.57	6247	43.97	25.06	0.57	6308	36.27	20.68	0.57	6545

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
120%	70	64	27.06	16.51	0.61	5823	24.08	14.69	0.61	5940	23.12	14.10	0.61	6000	21.96	13.40	0.61	6120
	70	68	28.17	13.81	0.49	5847	25.08	12.29	0.49	5964	24.07	11.80	0.49	6023	22.87	11.21	0.49	6143
	72	64	27.90	18.13	0.65	5882	24.83	16.14	0.65	6000	23.83	15.49	0.65	6060	22.64	14.72	0.65	6182
	72	68	28.75	15.24	0.53	5906	25.59	13.56	0.53	6024	24.56	13.02	0.53	6084	23.34	12.37	0.53	6205
	72	72	29.24	11.99	0.41	5922	26.02	10.67	0.41	6040	24.98	10.24	0.41	6100	23.73	9.73	0.41	6222
	73	64	28.46	19.64	0.69	5942	25.33	17.48	0.69	6061	24.32	16.78	0.69	6121	23.10	15.94	0.69	6244
	73	68	29.34	16.72	0.57	5966	26.11	14.88	0.57	6085	25.06	14.29	0.57	6145	23.81	13.57	0.57	6268
	73	72	29.83	13.43	0.45	5982	26.55	11.95	0.45	6101	25.49	11.47	0.45	6162	24.22	10.90	0.45	6284
	75	64	29.05	21.20	0.73	6002	25.85	18.87	0.73	6122	24.82	18.12	0.73	6183	23.58	17.21	0.73	6307
	75	68	29.93	18.26	0.61	6026	26.64	16.25	0.61	6146	25.58	15.60	0.61	6208	24.30	14.82	0.61	6331
	75	72	30.44	14.92	0.49	6042	27.10	13.28	0.49	6163	26.01	12.75	0.49	6224	24.71	12.11	0.49	6348
	75	75	30.87	11.42	0.37	6062	27.47	10.17	0.37	6182	26.38	9.76	0.37	6243	25.06	9.27	0.37	6367
	77	64	29.94	23.06	0.77	6062	26.65	20.52	0.77	6184	25.58	19.70	0.77	6246	24.31	18.71	0.77	6371
	77	68	30.86	20.06	0.65	6087	27.47	17.85	0.65	6208	26.37	17.14	0.65	6270	25.05	16.28	0.65	6395
	77	72	31.39	16.63	0.53	6104	27.93	14.80	0.53	6225	26.82	14.21	0.53	6287	25.47	13.50	0.53	6412
	77	75	31.82	13.05	0.41	6123	28.32	11.61	0.41	6245	27.19	11.15	0.41	6306	25.83	10.59	0.41	6432
	79	64	30.87	25.00	0.81	6124	27.47	22.25	0.81	6246	26.38	21.36	0.81	6309	25.06	20.30	0.81	6435
	79	68	31.82	21.95	0.69	6148	28.32	19.54	0.69	6271	27.18	18.76	0.69	6334	25.82	17.82	0.69	6460
	79	72	32.36	18.44	0.57	6165	28.80	16.41	0.57	6288	27.65	15.76	0.57	6350	26.26	14.97	0.57	6477
	79	75	32.81	14.76	0.45	6185	29.20	13.14	0.45	6308	28.03	12.61	0.45	6370	26.63	11.98	0.45	6497
	79	79	33.33	11.00	0.33	6208	29.67	9.79	0.33	6330	28.48	9.40	0.33	6393	27.06	8.93	0.33	6519
	81	64	31.50	26.78	0.85	6185	28.04	23.83	0.85	6309	26.91	22.88	0.85	6373	25.57	21.73	0.85	6500
	81	66	32.14	25.39	0.79	6195	28.61	22.60	0.79	6319	27.46	21.70	0.79	6383	26.09	20.61	0.79	6510
	81	68	32.46	23.70	0.73	6210	28.89	21.09	0.73	6334	27.74	20.25	0.73	6398	26.35	19.24	0.73	6525
	81	72	33.02	20.14	0.61	6227	29.38	17.92	0.61	6351	28.21	17.21	0.61	6415	26.80	16.35	0.61	6542
	81	75	33.48	16.40	0.49	6247	29.80	14.60	0.49	6371	28.60	14.02	0.49	6435	27.17	13.32	0.49	6562
	81	79	34.01	12.59	0.37	6270	30.27	11.20	0.37	6394	29.06	10.75	0.37	6458	27.61	10.22	0.37	6585
	82	64	31.82	28.32	0.89	6247	28.32	25.20	0.89	6372	27.18	24.19	0.89	6436	25.82	22.98	0.89	6565
	82	68	32.46	25.00	0.77	6273	28.89	22.25	0.77	6398	27.74	21.36	0.77	6462	26.35	20.29	0.77	6590
	82	72	32.79	21.31	0.65	6290	29.18	18.97	0.65	6415	28.02	18.21	0.65	6479	26.61	17.30	0.65	6608
	82	75	33.35	17.67	0.53	6310	29.68	15.73	0.53	6435	28.49	15.10	0.53	6499	27.07	14.35	0.53	6628
	82	79	33.81	13.86	0.41	6333	30.09	12.34	0.41	6458	28.89	11.84	0.41	6522	27.45	11.25	0.41	6651
	84	64	32.13	29.24	0.91	6310	28.60	26.02	0.91	6436	27.45	24.98	0.91	6501	26.08	23.73	0.91	6631
	84	68	32.79	26.56	0.81	6335	29.18	23.64	0.81	6462	28.02	22.69	0.81	6526	26.61	21.56	0.81	6656
	84	72	33.44	23.08	0.69	6353	29.77	20.54	0.69	6479	28.58	19.72	0.69	6543	27.15	18.73	0.69	6674
	84	75	33.68	19.20	0.57	6373	29.98	17.09	0.57	6499	28.78	16.40	0.57	6564	27.34	15.58	0.57	6694
	84	79	34.15	15.37	0.45	6396	30.39	13.68	0.45	6523	29.18	13.13	0.45	6587	27.72	12.47	0.45	6718
	86	64	32.45	29.53	0.91	6373	28.88	26.29	0.91	6501	27.73	25.23	0.91	6566	26.34	23.97	0.91	6697
	86	68	33.12	28.15	0.85	6399	29.47	25.05	0.85	6526	28.30	24.05	0.85	6591	26.88	22.85	0.85	6723
	86	72	33.78	24.66	0.73	6416	30.06	21.95	0.73	6544	28.86	21.07	0.73	6609	27.42	20.02	0.73	6740
	86	75	34.02	20.75	0.61	6437	30.27	18.47	0.61	6564	29.06	17.73	0.61	6630	27.61	16.84	0.61	6761
	86	79	34.49	16.90	0.49	6460	30.70	15.04	0.49	6588	29.47	14.44	0.49	6653	28.00	13.72	0.49	6785
	88	64	32.78	29.83	0.91	6437	29.17	26.55	0.91	6566	28.01	25.49	0.91	6631	26.61	24.21	0.91	6764
	88	68	33.45	29.77	0.89	6463	29.77	26.49	0.89	6592	28.58	25.43	0.89	6657	27.15	24.16	0.89	6790
	88	72	34.12	26.27	0.77	6480	30.36	23.38	0.77	6609	29.15	22.45	0.77	6675	27.69	21.32	0.77	6808
	88	75	34.36	22.33	0.65	6501	30.58	19.88	0.65	6630	29.35	19.08	0.65	6696	27.89	18.13	0.65	6829
	88	79	34.84	18.46	0.53	6525	31.01	16.43	0.53	6654	29.77	15.78	0.53	6720	28.28	14.99	0.53	6853
	90	64	33.11	30.13	0.91	6501	29.47	26.81	0.91	6631	28.29	25.74	0.91	6698	26.87	24.45	0.91	6832
	90	68	33.78	30.74	0.91	6527	30.07	27.36	0.91	6657	28.86	26.27	0.91	6724	27.42	24.95	0.91	6858
	90	72	34.46	27.91	0.81	6545	30.67	24.84	0.81	6675	29.44	23.85	0.81	6742	27.97	22.66	0.81	6876
	90	75	34.70	23.94	0.69	6566	30.88	21.31	0.69	6696	29.65	20.46	0.69	6763	28.17	19.43	0.69	6897
	90	79	35.19	20.06	0.57	6590	31.32	17.85	0.57	6721	30.06	17.14	0.57	6787	28.56	16.28	0.57	6921

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																			
			OUTDOOR DB (°F)																																																			
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	41.88	25.55	0.61	4036	41.46	25.29	0.61	4072	41.01	25.02	0.61	4109	40.49	24.70	0.61	4143	40.08	24.45	0.61	4164	39.65	24.19	0.61	4301	39.10	23.85	0.61	4490	38.41	23.43	0.61	4793	37.51	22.88	0.61	5014	36.42	22.21	0.61	5202	33.87	20.66	0.61	5462	33.53	20.45	0.61	5517	27.66	16.87	0.61	5727
	70	68	43.60	21.37	0.49	4059	43.17	21.15	0.49	4096	42.70	20.92	0.49	4133	42.16	20.66	0.49	4166	41.74	20.45	0.49	4187	41.28	20.23	0.49	4325	40.71	19.95	0.49	4514	39.99	19.60	0.49	4817	39.06	19.14	0.49	5038	37.92	18.58	0.49	5225	35.26	17.28	0.49	5486	34.91	17.11	0.49	5540	28.80	14.11	0.49	5750
	72	64	43.17	28.06	0.65	4076	42.75	27.78	0.65	4114	42.28	27.48	0.65	4151	41.74	27.13	0.65	4185	41.32	26.86	0.65	4206	40.87	26.57	0.65	4345	40.31	26.20	0.65	4536	39.60	25.74	0.65	4841	38.67	25.14	0.65	5065	37.54	24.40	0.65	5254	34.92	22.70	0.65	5517	34.57	22.47	0.65	5573	28.52	18.54	0.65	5785
	72	68	44.49	23.58	0.53	4100	44.05	23.35	0.53	4137	43.57	23.09	0.53	4175	43.02	22.80	0.53	4208	42.59	22.57	0.53	4229	42.13	22.33	0.53	4369	41.54	22.02	0.53	4560	40.81	21.63	0.53	4865	39.85	21.12	0.53	5089	38.69	20.51	0.53	5278	35.98	19.07	0.53	5541	35.62	18.88	0.53	5596	29.39	15.58	0.53	5809
	72	72	45.25	18.55	0.41	4116	44.80	18.37	0.41	4153	44.32	18.17	0.41	4191	43.75	17.94	0.41	4224	43.31	17.76	0.41	4246	42.84	17.57	0.41	4385	42.25	17.32	0.41	4576	41.50	17.02	0.41	4881	40.53	16.62	0.41	5105	39.35	16.13	0.41	5294	36.60	15.00	0.41	5557	36.23	14.85	0.41	5613	29.89	12.25	0.41	5825
	73	64	44.05	30.40	0.69	4118	43.62	30.10	0.69	4155	43.14	29.77	0.69	4193	42.59	29.39	0.69	4227	42.17	29.10	0.69	4248	41.71	28.78	0.69	4389	41.13	28.38	0.69	4582	40.41	27.88	0.69	4890	39.46	27.23	0.69	5116	38.31	26.43	0.69	5307	35.63	24.58	0.69	5573	35.27	24.34	0.69	5629	29.10	20.08	0.69	5843
	73	68	45.40	25.88	0.57	4142	44.95	25.62	0.57	4179	44.46	25.34	0.57	4217	43.89	25.02	0.57	4251	43.46	24.77	0.57	4272	42.99	24.50	0.57	4413	42.39	24.16	0.57	4606	41.64	23.74	0.57	4914	40.67	23.18	0.57	5140	39.48	22.50	0.57	5331	36.72	20.93	0.57	5597	36.35	20.72	0.57	5653	29.99	17.09	0.57	5867
	73	72	46.17	20.78	0.45	4158	45.72	20.57	0.45	4195	45.22	20.35	0.45	4233	44.64	20.09	0.45	4267	44.20	19.89	0.45	4288	43.72	19.67	0.45	4429	43.11	19.40	0.45	4622	42.35	19.06	0.45	4931	41.36	18.61	0.45	5156	40.15	18.07	0.45	5348	37.34	16.80	0.45	5613	36.97	16.64	0.45	5669	30.50	13.72	0.45	5884
	75	64	44.95	32.82	0.73	4159	44.51	32.49	0.73	4197	44.02	32.14	0.73	4235	43.46	31.72	0.73	4269	43.03	31.41	0.73	4291	42.56	31.07	0.73	4433	41.97	30.64	0.73	4628	41.23	30.10	0.73	4940	40.26	29.39	0.73	5168	39.09	28.54	0.73	5361	36.36	26.54	0.73	5629	35.99	26.27	0.73	5686	29.69	21.68	0.73	5902
	75	68	46.33	28.26	0.61	4183	45.87	27.98	0.61	4221	45.37	27.68	0.61	4260	44.79	27.32	0.61	4294	44.35	27.05	0.61	4315	43.86	26.76	0.61	4457	43.26	26.39	0.61	4652	42.49	25.92	0.61	4964	41.50	25.31	0.61	5192	40.29	24.58	0.61	5385	37.47	22.86	0.61	5654	37.09	22.63	0.61	5710	30.60	18.67	0.61	5927
	75	72	47.12	23.09	0.49	4200	46.65	22.86	0.49	4238	46.14	22.61	0.49	4276	45.55	22.32	0.49	4310	45.10	22.10	0.49	4332	44.61	21.86	0.49	4474	43.99	21.56	0.49	4669	43.22	21.18	0.49	4981	42.20	20.68	0.49	5208	40.97	20.08	0.49	5402	38.10	18.67	0.49	5670	37.72	18.48	0.49	5727	31.12	15.25	0.49	5943
	75	75	47.78	17.68	0.37	4219	47.30	17.50	0.37	4257	46.79	17.31	0.37	4295	46.19	17.09	0.37	4330	45.73	16.92	0.37	4351	45.23	16.74	0.37	4493	44.61	16.51	0.37	4688	43.82	16.21	0.37	5000	42.79	15.83	0.37	5228	41.55	15.37	0.37	5421	38.64	14.30	0.37	5690	38.25	14.15	0.37	5746	31.56	11.68	0.37	5962
	77	64	46.34	35.68	0.77	4201	45.88	35.33	0.77	4239	45.39	34.95	0.77	4278	44.80	34.50	0.77	4313	44.36	34.16	0.77	4334	43.88	33.79	0.77	4478	43.27	33.32	0.77	4675	42.51	32.73	0.77	4990	41.51	31.96	0.77	5220	40.30	31.03	0.77	5415	37.48	28.86	0.77	5686	37.10	28.57	0.77	5743	30.61	23.57	0.77	5962
	77	68	47.76	31.05	0.65	4226	47.29	30.74	0.65	4264	46.77	30.40	0.65	4303	46.17	30.01	0.65	4337	45.72	29.72	0.65	4359	45.22	29.39	0.65	4502	44.60	28.99	0.65	4699	43.81	28.47	0.65	5014	42.78	27.81	0.65	5244	41.53	27.00	0.65	5440	38.63	25.11	0.65	5711	38.24	24.86	0.65	5768	31.55	20.51	0.65	5986
	77	72	48.57	25.74	0.53	4242	48.09	25.49	0.53	4281	47.57	25.21	0.53	4319	46.96	24.89	0.53	4354	46.49	24.64	0.53	4375	45.99	24.37	0.53	4519	45.35	24.04	0.53	4716	44.55	23.61	0.53	5031	43.51	23.06	0.53	5261	42.24	22.39	0.53	5456	39.28	20.82	0.53	5727	38.89	20.61	0.53	5784	32.08	17.00	0.53	6003
	77	75	49.25	20.19	0.41	4262	48.77	19.99	0.41	4300	48.24	19.78	0.41	4339	47.62	19.52	0.41	4373	47.15	19.33	0.41	4395	46.63	19.12	0.41	4539	45.99	18.86	0.41	4735	45.18	18.52	0.41	5050	44.12	18.09	0.41	5281	42.83	17.56	0.41	5476	39.83	16.33	0.41	5747	39.44	16.17	0.41	5804	32.53	13.34	0.41	6023
	79	64	47.78	38.70	0.81	4244	47.30	38.32	0.81	4282	46.79	37.90	0.81	4321	46.19	37.41	0.81	4356	45.73	37.04	0.81	4378	45.23	36.64	0.81	4523	44.61	36.13	0.81	4722	43.82	35.49	0.81	5040	42.79	34.66	0.81	5272	41.55	33.65	0.81	5470	38.64	31.30	0.81	5744	38.25	30.98	0.81	5801	31.56	25.56	0.81	6022
	79	68	49.24	33.98	0.69	4268	48.75	33.64	0.69	4307	48.22	33.27	0.69	4346	47.60	32.85	0.69	4381	47.13	32.52	0.69	4403	46.62	32.17	0.69	4548	45.97	31.72	0.69	4747	45.16	31.16	0.69	5065	44.10	30.43	0.69	5297	42.82	29.54	0.69	5495	39.82	27.48	0.69	5768	39.42	27.20	0.69	5826	32.52	22.44	0.69	6047
	79	72	50.08	28.54	0.57	4285	49.58	28.26	0.57	4324	49.04	27.95	0.57	4363	48.41	27.59	0.57	4398	47.93	27.32	0.57	4420	47.41	27.02	0.57	4565	46.76	26.65	0.57	4763	45.93	26.18	0.57	5082	44.85	25.57	0.57	5314	43.55	24.82	0.57	5511	40.50	23.08	0.57	5785	40.09	22.85	0.57	5843	33.08	18.85	0.57	6064
	79	75	50.78	22.85	0.45	4305	50.27	22.62	0.45	4344	49.73	22.38	0.45	4383	49.09	22.09	0.45	4418	48.60	21.87	0.45	4439	48.07	21.63	0.45	4585	47.41	21.33	0.45	4783	46.57	20.96	0.45	5101	45.48	20.47	0.45	5334	44.16	19.87	0.45	5531	41.07	18.48	0.45	5805	40.65	18.29	0.45	5863	33.54	15.09	0.45	6083
	79	79	51.59	17.02	0.33	4328	51.08	16.86	0.33	4366	50.52	16.67	0.33	4405	49.87	16.46	0.33	4440	49.38	16.30	0.33	4462	48.84	16.12	0.33	4607	48.17	15.90	0.33	4806	47.32	15.61	0.33	5124	46.21	15.25	0.33	5357	44.86	14.80	0.33	5554	41.72	13.77	0.33	5828	41.31	13.63	0.33	5885	34.08	11.25	0.33	6106
	81	64	48.75	41.44	0.85	4287	48.27	41.03	0.85	4326	47.74	40.58	0.85	4365	47.13	40.06	0.85	4400	46.66	39.66	0.85	4422	46.16	39.23	0.85	4569	45.52	38.69	0.85	4770	44.71	38.01	0.85	5091	43.67	37.12	0.85	5326	42.39	36.04	0.85	5525	39.43	33.51	0.85	5802	39.03	33.18	0.85	5860	32.20	27.37	0.85	6083
	81	66	49.75	39.30	0.79	4297	49.25	38.91	0.79	4336	48.72	38.49	0.79	4375	48.09	37.99	0.79	4410	47.62	37.62	0.79	4432	47.10	37.21	0.79	4579	46.45	36.69	0.79	4780	45.63	36.05	0.79	5101	44.56	35.20	0.79	5336	43.26	34.18	0.79	5535	40.23	31.78	0.79	5812	39.83	31.47	0.79	5870	32.86	25.96	0.79	6093
	81	68	50.24	36.68	0.73	4312	49.75	36.32	0.73	4351	49.21	35.92	0.73	4390	48.57	35.46	0.73	4425	48.09	35.11	0.73	4447	47.57	34.73	0.73	4594	46.91	34.25	0.73	4795	46.08	33.64	0.73	5116	45.00	32.85	0.73	5351	43.69	31.90	0.73	5550	40.63	29.66	0.73	5827	40.23	29.37	0.73	5885	33.19	24.23	0.73	6108
	81	72	51.10	31.17	0.61	4329	50.59	30.86	0.61	4368	50.04	30.53	0.61	4407	49.40	30.13	0.61	4442	48.91	29.84	0.61	4464	48.38	29.51	0.61	4611	47.71	29.10	0.61	4812	46.87	28.59	0.61	5133	45.77	27.92	0.61	5368	44.44	27.11	0.61	5567	41.32	25.21	0.61	5844	40.91	24.96	0.61	5902	33.75	20.59	0.61	6125
	81	75	51.81	25.39	0.49	4349	51.30	25.14	0.49	4388	50.74	24.86	0.49	4427	50.09	24.54	0.49	4462	49.60	24.30	0.49	4484	49.06	24.04	0.49	4631	48.38	23.71	0.49	4832	47.52	23.29	0.49	5153	46.41	22.74	0.49	5388	45.06	22.08	0.49	5587	41.90	20.53	0.49	5864	41.48	20.33	0.49	5922	34.22	16.77	0.49	6145
	81	79	52.64	19.48	0.37	4372	52.12	19.28	0.37	4411	51.55	19.08	0.37	4450	50.89	18.83	0.37	4485	50.39	18.64	0.37	4507	49.84	18.44	0.37	4654	49.15	18.19	0.37	4855	48.28	17.86	0.37	5176	47.15	17.45	0.37	5411	45.78	16.94	0.37	5610	42.57	15.75	0.37	5887	42.15	15.59	0.37	5945	34.77	12.87	0.37	6168
	82	64	49.24	43.82	0.89	4329	48.75	43.39	0.89	4369	48.22	42.92	0.89	4409	47.60	42.37	0.89	4444	47.13	41.95	0.89	4467	46.62	41.49	0.89	4615	45.97	40.92	0.89	4817	45.16	40.19	0.89	5142	44.10	39.25	0.89	5379	42.82	38.11	0.89	5580	39.82	35.44	0.89	5860	39.42	35.09	0.89	5918	32.52	28.95	0.89	6144
	82	68	50.24	38.69	0.77	4355	49.75	38.30	0.77	4394	49.21	37.89	0.77	4434	48.57	37.40	0.77	4469	48.09	37.03	0.77	4492	47.57	36.63	0.77	4640	46.91	36.12	0.77	4843	46.08	35.48	0.77	5167	45.00	34.65	0.77	5404	43.69	33.64	0.77	5606	40.63	31.29	0.77	5885	40.23	30.98	0.77	5944	33.19	25.55	0.77	6169
	82	72	50.75	32.99	0.65	4372	50.24	32.66	0.65	4411	49.70	32.30	0.65	4451	49.06	31.89	0.65	4487	48.57	31.57	0.65	4509	48.05	31.23	0.65	4657	47.38	30.80	0.65	4860	46.54	30.25	0.65	5184	45.45	29.54	0.65	5421	44.13	28.68	0.65	5623	41.04	26.68	0.65	5902	40.63	26.41	0.65	5961	33.52	21.79	0.65	6186
	82	75	51.61	27.35	0.53	4392	51.10	27.08	0.53	4431	50.54	26.79	0.53	4471	49.89	26.44	0.53	4507	49.40	26.18	0.53	4529	48.86	25.90	0.53	4677	48.19	25.54	0.53	4880	47.34	25.09	0.53	5204	46.23	24.50	0.53	5442	44.88	23.79	0.53	5643	41.74	22.12	0.53	5922	41.32	21.90	0.53	5981	34.09	18.07	0.53	6206
	82	79	52.33	21.46	0.41	4415	51.81	21.24	0.41	4455	51.25	21.01	0.41	4494	50.59	20.74	0.41	4530	50.09	20.54	0.41	4552	49.55	20.31	0.41	4700	48.86	20.03	0.41	4903	48.00	19.68	0.41	5228	46.87	19.22	0.41	5465	45.51	18.66	0.41	5666	42.32	17.35	0.41	5946	41.90	17.18	0.41	6004	34.57	14.17	0.41	6230
	84	64	49.73	45.26	0.91	4373	49.24	44.81	0.91	4412	48.70	44.32	0.91	4453	48.08	43.75	0.91	4489	47.60	43.32	0.91	4511	47.08	42.85	0.91	4661	46.43	42.26	0.91	4865	45.61	41.51	0.91	5193	44.54	40.54	0.91	5433	43.25	39.35	0.91	5636	40.22	36.60	0.91	5918	39.82	36.23	0.91	5978	32.85	29.89	0.91	6205
	84	68	50.75	41.10	0.81	4398	50.24	40.70	0.81	4438	49.70	40.25	0.81	4478	49.06	39.74	0.81	4514	48.57	39.34	0.81	4537	48.05	38.92	0.81	4686	47.38	38.38	0.81	4891	46.54	37.70	0.81	5219	45.45	36.82	0.81	5458	44.13	35.74	0.81	5662	41.04	33.24	0.81	5944	40.63	32.91	0.81	6003	33.52	27.15	0.81	6231
	84	72	51.76	35.72	0.69	4416	51.25	35.36	0.69	4455	50.69	34.98	0.69	4495	50.04	34.53	0.69	4531	49.55	34.19	0.69	4554	49.01	33.81	0.69	4704	48.33	33.35	0.69	4908	47.48	32.76	0.69	5236	46.36	31.99	0.69	5476	45.01	31.06	0.69	5679	41.86	28.88	0.69	5961	41.44	28.60	0.69	6020	34.19	23.59	0.69	6248
	84	75	52.13	29.71	0.57	4436	51.61	29.42	0.57	4476	51.05	29.10	0.57	4516	50.39	28.72	0.57	4552	49.89	28.44	0.57	4574	49.35	28.13	0.57	4724	48.67	27.74	0.57	4929	47.81	27.25	0.57	5257	46.69	26.61	0.57	5496	45.33	25.84	0.57	5699	42.16	24.03	0.57	5982	41.73	23.79	0.57	6041	34.43	19.63	0.57	6268
	84	79	52.86	23.78	0.45	4459	52.33	23.55	0.45	4499	51.76	23.29	0.45	4539	51.10	22.99	0.45	4575	50.59	22.77	0.45	4598	50.04	22.52	0.45	4747	49.35	22.21	0.45	4952	48.48	21.82	0.45	5280	47.34	21.30	0.45	5519	45.96	20.68	0.45	5723	42.75	19.24	0.45	6005	42.32	19.04	0.45	6064	34.91	15.71	0.45	6292
	86	64	50.23	45.71	0.91	4416	49.73	45.26	0.91	4457	49.19	44.76	0.91	4497	48.56	44.19	0.91	4534	48.08	43.75	0.91	4556	47.56	43.28	0.91	4707	46.90	42.68	0.91	4914	46.07	41.92	0.91	5245	44.99	40.94	0.91	5487	43.68	39.75	0.91	5692	40.62	36.97	0.91	5978	40.22	36.60	0.91	6037	33.18	30.19	0.91	6267
	86	68	51.25	43.57	0.85	4442	50.75	43.13	0.85	4482	50.19	42.67	0.85	4523	49.55	42.12	0.85	4559	49.06	41.70	0.85	4582	48.53	41.25	0.85	4733	47.86	40.68	0.85	4940	47.01	39.96	0.85	5271	45.91	39.02	0.85	5513	44.57	37.89	0.85	5718	41.45	35.23	0.85	6003	41.04	34.88	0.85	6063	33.85	28.78	0.85	6293
	86	72	52.28	38.16	0.73	4460	51.76	37.79	0.73	4500	51.20	37.37	0.73	4540	50.54	36.90	0.73	4577	50.04	36.53	0.73	4600	49.50	36.13	0.73	4751	48.81	35.63	0.73	4957	47.95	35.00	0.73	5289	46.83	34.18	0.73	5530	45.46	33.19	0.73	5736	42.28	30.86	0.73	6021	41.86	30.56	0.73	6081	34.53	25.21	0.73	6311
	86	75	52.65	32.11	0.61	4480	52.13	31.80	0.61	4520	51.56	31.45	0.61	4561	50.90	31.05	0.61	4597	50.39	30.74	0.61	4620	49.84	30.41	0.61	4771	49.16	29.99	0.61	4978	48.29	29.46	0.61	5309	47.16	28.76	0.61	5551	45.78	27.93	0.61	5756	42.58	25.97	0.61	6041	42.15	25.71	0.61	6101	34.77	21.21	0.61	6331
	86	79	53.38	26.16	0.49	4504	52.86	25.90	0.49	4544	52.28	25.62	0.49	4585	51.61	25.29	0.49	4621	51.10	25.04	0.49	4644	50.54	24.77	0.49	4795	49.84	24.42	0.49	5002	48.96	23.99	0.49	5333	47.82	23.43	0.49	5575	46.42	22.75	0.49	5780	43.17	21.15	0.49	6065	42.74	20.94	0.49	6125	35.26	17.28	0.49	6355
	88	64	50.73	46.17	0.91	4461	50.23	45.71	0.91	4501	49.68	45.21	0.91	4542	49.04	44.63	0.91	4579	48.56	44.19	0.91	4602	48.03	43.71	0.91	4754	47.37	43.10	0.91	4963	46.53	42.34	0.91	5298	45.44	41.35	0.91	5542	44.12	40.15	0.91	5749	41.03	37.34	0.91	6037	40.62	36.96	0.91	6098	33.51	30.49	0.91	6330
	88	68	51.77	46.07	0.89	4487	51.25	45.62	0.89	4527	50.70	45.12	0.89	4568	50.05	44.54	0.89	4605	49.55	44.10	0.89	4628	49.01	43.62	0.89	4780	48.33	43.02	0.89	4989	47.48	42.26	0.89	5324	46.37	41.27	0.89	5568	45.02	40.06	0.89	5775	41.87	37.26	0.89	6063	41.45	36.89	0.89	6124	34.19	30.43	0.89	6356
	88	72	52.80	40.66	0.77	4504	52.28	40.25	0.77	4545	51.71	39.82	0.77	4586	51.05	39.31	0.77	4623	50.54	38.92	0.77	4646	49.99	38.49	0.77	4798	49.30	37.96	0.77	5007	48.43	37.29	0.77	5341	47.29	36.42	0.77	5586	45.92	35.36	0.77	5793	42.70	32.88	0.77	6081	42.28	32.55	0.77	6142	34.88	26.86	0.77	6374
	88	75	53.17	34.56	0.65	4525	52.65	34.22	0.65	4566	52.07	33.85	0.65	4607	51.41	33.41	0.65	4643	50.90	33.08	0.65	4666	50.34	32.72	0.65	4819	49.65	32.27	0.65	5028	48.77	31.70	0.65	5362	47.63	30.96	0.65	5607	46.24	30.06	0.65	5814	43.00	27.95	0.65	6102	42.57	27.67	0.65	6162	35.12	22.83	0.65	6394
	88	79	53.92	28.58	0.53	4549	53.38	28.29	0.53	4590	52.80	27.99	0.53	4631	52.13	27.63	0.53	4667	51.61	27.35	0.53	4690	51.05	27.06	0.53	4843	50.34	26.68	0.53	5052	49.45	26.21	0.53	5386	48.29	25.60	0.53	5630	46.89	24.85	0.53	5838	43.60	23.11	0.53	6126	43.17	22.88	0.53	6186	35.61	18.88	0.53	6418
	90	64	51.24	46.63	0.91	4505	50.73	46.17	0.91	4546	50.18	45.66	0.91	4588	49.54	45.08	0.91	4625	49.04	44.63	0.91	4648	48.51	44.15	0.91	4802	47.84	43.54	0.91	5013	47.00	42.77	0.91	5351	45.89	41.76	0.91	5597	44.56	40.55	0.91	5807	41.44	37.71	0.91	6098	41.02	37.33	0.91	6159	33.84	30.80	0.91	6393
	90	68	52.28	47.58	0.91	4531	51.77	47.11	0.91	4572	51.20	46.60	0.91	4614	50.55	46.00	0.91	4651	50.05	45.54	0.91	4674	49.50	45.05	0.91	4828	48.82	44.42	0.91	5039	47.95	43.64	0.91	5377	46.83	42.62	0.91	5624	45.47	41.37	0.91	5833	42.28	38.48	0.91	6124	41.86	38.09	0.91	6185	34.54	31.43	0.91	6419
	90	72	53.33	43.20	0.81	4549	52.80	42.77	0.81	4590	52.23	42.30	0.81	4632	51.56	41.76	0.81	4669	51.05	41.35	0.81	4692	50.49	40.90	0.81	4846	49.79	40.33	0.81	5057	48.91	39.62	0.81	5395	47.77	38.69	0.81	5642	46.38	37.56	0.81	5851	43.13	34.94	0.81	6142	42.70	34.59	0.81	6203	35.23	28.53	0.81	6437
	90	75	53.70	37.06	0.69	4570	53.17	36.69	0.69	4611	52.59	36.29	0.69	4653	51.92	35.82	0.69	4690	51.41	35.47	0.69	4713	50.85	35.08	0.69	4867	50.14	34.60	0.69	5078	49.26	33.99	0.69	5416	48.10	33.19	0.69	5663	46.70	32.22	0.69	5872	43.43	29.97	0.69	6163	43.00	29.67	0.69	6224	35.47	24.48	0.69	6458
	90	79	54.46	31.04	0.57	4594	53.92	30.73	0.57	4636	53.33	30.40	0.57	4677	52.65	30.01	0.57	4714	52.13	29.71	0.57	4737	51.56	29.39	0.57	4891	50.85	28.98	0.57	5102	49.95	28.47	0.57	5440	48.78	27.80	0.57	5687	47.36	26.99	0.57	5896	44.04	25.10	0.57	6187	43.60	24.85	0.57	6248	35.97	20.50	0.57	6483

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°C)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
110%	70	64	26.83	16.37	0.61	5767	23.88	14.57	0.61	5883	22.93	13.98	0.61	5942	21.78	13.29	0.61	6061
	70	68	27.94	13.69	0.49	5791	24.87	12.18	0.49	5906	23.87	11.70	0.49	5965	22.68	11.11	0.49	6084
	72	64	27.66	17.98	0.65	5825	24.62	16.00	0.65	5942	23.63	15.36	0.65	6002	22.45	14.59	0.65	6122
	72	68	28.51	15.11	0.53	5849	25.37	13.45	0.53	5966	24.36	12.91	0.53	6025	23.14	12.26	0.53	6146
	72	72	28.99	11.89	0.41	5865	25.80	10.58	0.41	5982	24.77	10.16	0.41	6042	23.53	9.65	0.41	6162
	73	64	28.23	19.48	0.69	5884	25.12	17.33	0.69	6002	24.12	16.64	0.69	6062	22.91	15.81	0.69	6184
	73	68	29.09	16.58	0.57	5908	25.89	14.76	0.57	6026	24.85	14.17	0.57	6086	23.61	13.46	0.57	6208
	73	72	29.58	13.31	0.45	5925	26.33	11.85	0.45	6042	25.28	11.37	0.45	6103	24.01	10.81	0.45	6224
	75	64	28.80	21.03	0.73	5944	25.63	18.71	0.73	6063	24.61	17.96	0.73	6123	23.38	17.07	0.73	6246
	75	68	29.68	18.11	0.61	5968	26.42	16.12	0.61	6087	25.36	15.47	0.61	6148	24.09	14.70	0.61	6270
	75	72	30.19	14.79	0.49	5984	26.87	13.17	0.49	6103	25.79	12.64	0.49	6164	24.50	12.01	0.49	6287
	75	75	30.61	11.33	0.37	6004	27.24	10.08	0.37	6123	26.15	9.68	0.37	6184	24.85	9.19	0.37	6306
	77	64	29.69	22.86	0.77	6004	26.43	20.35	0.77	6124	25.37	19.53	0.77	6185	24.10	18.56	0.77	6309
	77	68	30.60	19.89	0.65	6028	27.24	17.70	0.65	6148	26.15	17.00	0.65	6210	24.84	16.15	0.65	6334
	77	72	31.12	16.49	0.53	6045	27.70	14.68	0.53	6165	26.59	14.09	0.53	6226	25.26	13.39	0.53	6350
	77	75	31.56	12.94	0.41	6064	28.09	11.52	0.41	6185	26.96	11.05	0.41	6246	25.61	10.50	0.41	6370
	79	64	30.61	24.80	0.81	6064	27.24	22.07	0.81	6186	26.15	21.19	0.81	6248	24.85	20.13	0.81	6373
	79	68	31.55	21.77	0.69	6089	28.08	19.37	0.69	6211	26.95	18.60	0.69	6273	25.61	17.67	0.69	6398
	79	72	32.08	18.29	0.57	6106	28.56	16.28	0.57	6227	27.41	15.63	0.57	6289	26.04	14.84	0.57	6414
	79	75	32.53	14.64	0.45	6126	28.96	13.03	0.45	6247	27.80	12.51	0.45	6309	26.41	11.88	0.45	6434
	79	79	33.05	10.91	0.33	6148	29.42	9.71	0.33	6270	28.24	9.32	0.33	6332	26.83	8.85	0.33	6457
	81	64	31.24	26.55	0.85	6126	27.80	23.63	0.85	6248	26.69	22.68	0.85	6311	25.35	21.55	0.85	6437
	81	66	31.87	25.18	0.79	6136	28.37	22.41	0.79	6258	27.23	21.51	0.79	6321	25.87	20.44	0.79	6447
	81	68	32.19	23.50	0.73	6151	28.65	20.92	0.73	6273	27.51	20.08	0.73	6336	26.13	19.07	0.73	6462
	81	72	32.74	19.97	0.61	6168	29.14	17.77	0.61	6290	27.97	17.06	0.61	6353	26.57	16.21	0.61	6479
	81	75	33.20	16.27	0.49	6188	29.55	14.48	0.49	6310	28.36	13.90	0.49	6373	26.95	13.20	0.49	6499
	81	79	33.73	12.48	0.37	6211	30.02	11.11	0.37	6333	28.82	10.66	0.37	6396	27.38	10.13	0.37	6522
	82	64	31.55	28.08	0.89	6187	28.08	24.99	0.89	6311	26.95	23.99	0.89	6374	25.61	22.79	0.89	6502
	82	68	32.19	24.79	0.77	6212	28.65	22.06	0.77	6336	27.51	21.18	0.77	6399	26.13	20.12	0.77	6527
	82	72	32.51	21.13	0.65	6229	28.94	18.81	0.65	6353	27.78	18.06	0.65	6416	26.39	17.15	0.65	6544
	82	75	33.07	17.53	0.53	6249	29.43	15.60	0.53	6373	28.25	14.97	0.53	6437	26.84	14.23	0.53	6564
	82	79	33.53	13.75	0.41	6273	29.84	12.24	0.41	6397	28.65	11.75	0.41	6460	27.22	11.16	0.41	6588
	84	64	31.86	29.00	0.91	6249	28.36	25.81	0.91	6374	27.22	24.77	0.91	6438	25.86	23.54	0.91	6567
	84	68	32.51	26.34	0.81	6274	28.94	23.44	0.81	6399	27.78	22.50	0.81	6463	26.39	21.38	0.81	6592
	84	72	33.16	22.88	0.69	6292	29.52	20.37	0.69	6417	28.34	19.55	0.69	6481	26.92	18.57	0.69	6610
	84	75	33.40	19.04	0.57	6312	29.72	16.94	0.57	6437	28.53	16.26	0.57	6501	27.11	15.45	0.57	6630
	84	79	33.87	15.24	0.45	6335	30.14	13.56	0.45	6461	28.93	13.02	0.45	6524	27.49	12.37	0.45	6653
	86	64	32.18	29.29	0.91	6311	28.64	26.06	0.91	6438	27.50	25.02	0.91	6502	26.12	23.77	0.91	6632
	86	68	32.84	27.91	0.85	6337	29.23	24.84	0.85	6463	28.06	23.85	0.85	6528	26.66	22.66	0.85	6658
	86	72	33.50	24.45	0.73	6354	29.81	21.76	0.73	6481	28.62	20.89	0.73	6545	27.19	19.85	0.73	6676
	86	75	33.73	20.58	0.61	6375	30.02	18.31	0.61	6501	28.82	17.58	0.61	6566	27.38	16.70	0.61	6696
	86	79	34.20	16.76	0.49	6399	30.44	14.92	0.49	6525	29.22	14.32	0.49	6590	27.76	13.60	0.49	6720
	88	64	32.50	29.58	0.91	6374	28.93	26.33	0.91	6502	27.77	25.27	0.91	6567	26.38	24.01	0.91	6699
	88	68	33.17	29.52	0.89	6400	29.52	26.27	0.89	6528	28.34	25.22	0.89	6593	26.92	23.96	0.89	6725
	88	72	33.83	26.05	0.77	6418	30.11	23.18	0.77	6546	28.91	22.26	0.77	6611	27.46	21.14	0.77	6742
	88	75	34.07	22.14	0.65	6439	30.32	19.71	0.65	6567	29.11	18.92	0.65	6632	27.65	17.97	0.65	6763
	88	79	34.55	18.31	0.53	6463	30.75	16.30	0.53	6590	29.52	15.64	0.53	6656	28.04	14.86	0.53	6787
	90	64	32.83	29.87	0.91	6438	29.22	26.59	0.91	6567	28.05	25.53	0.91	6633	26.65	24.25	0.91	6766
	90	68	33.50	30.48	0.91	6464	29.81	27.13	0.91	6593	28.62	26.05	0.91	6659	27.19	24.74	0.91	6792
	90	72	34.17	27.68	0.81	6482	30.41	24.63	0.81	6611	29.19	23.65	0.81	6677	27.73	22.47	0.81	6810
	90	75	34.41	23.74	0.69	6503	30.62	21.13	0.69	6632	29.40	20.29	0.69	6698	27.93	19.27	0.69	6831
	90	79	34.89	19.89	0.57	6527	31.05	17.70	0.57	6656	29.81	16.99	0.57	6722	28.32	16.14	0.57	6855

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

			Cooling Operation PERFORMANCE DATA																																																		
			OUTDOOR DB (°F)																																																			
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	40.66	24.80	0.61	3937	40.26	24.56	0.61	3973	39.82	24.29	0.61	4009	39.31	23.98	0.61	4041	38.92	23.74	0.61	4062	38.49	23.48	0.61	4196	37.96	23.16	0.61	4381	37.29	22.75	0.61	4676	36.42	22.21	0.61	4892	35.36	21.57	0.61	5075	32.88	20.06	0.61	5329	32.55	19.86	0.61	5382	26.86	16.38	0.61	5587
	70	68	42.33	20.74	0.49	3961	41.92	20.54	0.49	3996	41.46	20.32	0.49	4033	40.93	20.05	0.49	4065	40.52	19.86	0.49	4085	40.08	19.64	0.49	4220	39.53	19.37	0.49	4404	38.83	19.03	0.49	4699	37.92	18.58	0.49	4915	36.81	18.04	0.49	5098	34.24	16.78	0.49	5352	33.90	16.61	0.49	5406	27.96	13.70	0.49	5611
	72	64	41.92	27.25	0.65	3977	41.50	26.98	0.65	4013	41.05	26.68	0.65	4049	40.52	26.34	0.65	4082	40.12	26.08	0.65	4103	39.68	25.79	0.65	4239	39.14	25.44	0.65	4425	38.44	24.99	0.65	4723	37.54	24.40	0.65	4941	36.45	23.69	0.65	5126	33.90	22.03	0.65	5383	33.56	21.81	0.65	5437	27.69	18.00	0.65	5643
	72	68	43.20	22.90	0.53	4001	42.77	22.67	0.53	4037	42.31	22.42	0.53	4073	41.76	22.13	0.53	4106	41.35	21.92	0.53	4127	40.90	21.68	0.53	4263	40.33	21.38	0.53	4449	39.62	21.00	0.53	4747	38.69	20.51	0.53	4965	37.57	19.91	0.53	5150	34.94	18.52	0.53	5406	34.59	18.33	0.53	5460	28.53	15.12	0.53	5667
	72	72	43.93	18.01	0.41	4017	43.50	17.83	0.41	4053	43.02	17.64	0.41	4089	42.47	17.41	0.41	4122	42.05	17.24	0.41	4143	41.59	17.05	0.41	4279	41.02	16.82	0.41	4465	40.29	16.52	0.41	4763	39.35	16.13	0.41	4981	38.20	15.66	0.41	5166	35.53	14.57	0.41	5423	35.17	14.42	0.41	5476	29.02	11.90	0.41	5683
	73	64	42.77	29.51	0.69	4017	42.35	29.22	0.69	4054	41.89	28.90	0.69	4090	41.35	28.53	0.69	4123	40.94	28.25	0.69	4144	40.49	27.94	0.69	4282	39.94	27.56	0.69	4470	39.23	27.07	0.69	4771	38.31	26.43	0.69	4991	37.19	25.66	0.69	5178	34.59	23.87	0.69	5437	34.24	23.63	0.69	5491	28.25	19.49	0.69	5700
	73	68	44.08	25.13	0.57	4041	43.64	24.88	0.57	4078	43.17	24.61	0.57	4114	42.61	24.29	0.57	4147	42.19	24.05	0.57	4168	41.73	23.79	0.57	4306	41.16	23.46	0.57	4494	40.43	23.05	0.57	4795	39.48	22.50	0.57	5015	38.33	21.85	0.57	5202	35.65	20.32	0.57	5461	35.29	20.12	0.57	5515	29.12	16.60	0.57	5724
	73	72	44.83	20.17	0.45	4057	44.39	19.97	0.45	4094	43.90	19.76	0.45	4131	43.34	19.50	0.45	4164	42.91	19.31	0.45	4185	42.44	19.10	0.45	4322	41.86	18.84	0.45	4510	41.12	18.50	0.45	4811	40.15	18.07	0.45	5031	38.98	17.54	0.45	5218	36.26	16.31	0.45	5477	35.89	16.15	0.45	5532	29.61	13.33	0.45	5741
	75	64	43.64	31.86	0.73	4058	43.21	31.54	0.73	4094	42.74	31.20	0.73	4132	42.19	30.80	0.73	4165	41.78	30.50	0.73	4186	41.32	30.16	0.73	4325	40.75	29.75	0.73	4515	40.03	29.22	0.73	4819	39.09	28.54	0.73	5041	37.95	27.71	0.73	5230	35.30	25.77	0.73	5492	34.94	25.51	0.73	5547	28.83	21.04	0.73	5758
	75	68	44.98	27.44	0.61	4082	44.53	27.17	0.61	4119	44.05	26.87	0.61	4156	43.48	26.53	0.61	4189	43.05	26.26	0.61	4210	42.59	25.98	0.61	4349	42.00	25.62	0.61	4539	41.26	25.17	0.61	4843	40.29	24.58	0.61	5066	39.11	23.86	0.61	5254	36.38	22.19	0.61	5516	36.01	21.97	0.61	5571	29.71	18.12	0.61	5782
	75	72	45.74	22.41	0.49	4098	45.29	22.19	0.49	4135	44.80	21.95	0.49	4172	44.22	21.67	0.49	4206	43.79	21.46	0.49	4227	43.31	21.22	0.49	4366	42.71	20.93	0.49	4556	41.96	20.56	0.49	4860	40.97	20.08	0.49	5082	39.78	19.49	0.49	5271	37.00	18.13	0.49	5533	36.63	17.95	0.49	5588	30.22	14.81	0.49	5799
	75	75	46.38	17.16	0.37	4118	45.93	16.99	0.37	4155	45.43	16.81	0.37	4192	44.84	16.59	0.37	4225	44.40	16.43	0.37	4246	43.92	16.25	0.37	4385	43.31	16.02	0.37	4575	42.54	15.74	0.37	4879	41.55	15.37	0.37	5101	40.34	14.92	0.37	5290	37.51	13.88	0.37	5552	37.14	13.74	0.37	5607	30.64	11.34	0.37	5818
	77	64	44.99	34.65	0.77	4098	44.55	34.30	0.77	4136	44.06	33.93	0.77	4173	43.50	33.49	0.77	4207	43.07	33.16	0.77	4228	42.60	32.80	0.77	4368	42.01	32.35	0.77	4560	41.27	31.78	0.77	4868	40.30	31.03	0.77	5092	39.13	30.13	0.77	5283	36.39	28.02	0.77	5547	36.02	27.74	0.77	5603	29.72	22.88	0.77	5816
	77	68	46.37	30.14	0.65	4123	45.91	29.84	0.65	4160	45.41	29.52	0.65	4198	44.83	29.14	0.65	4232	44.39	28.85	0.65	4253	43.90	28.54	0.65	4393	43.30	28.14	0.65	4585	42.53	27.65	0.65	4892	41.53	27.00	0.65	5117	40.32	26.21	0.65	5307	37.50	24.38	0.65	5572	37.13	24.13	0.65	5627	30.63	19.91	0.65	5841
	77	72	47.16	24.99	0.53	4140	46.69	24.75	0.53	4177	46.18	24.48	0.53	4215	45.59	24.16	0.53	4248	45.14	23.92	0.53	4270	44.65	23.66	0.53	4410	44.03	23.34	0.53	4602	43.25	22.92	0.53	4909	42.24	22.39	0.53	5133	41.01	21.74	0.53	5324	38.14	20.21	0.53	5589	37.76	20.01	0.53	5644	31.15	16.51	0.53	5857
	77	75	47.82	19.61	0.41	4159	47.35	19.41	0.41	4197	46.83	19.20	0.41	4234	46.23	18.95	0.41	4268	45.77	18.77	0.41	4289	45.27	18.56	0.41	4429	44.65	18.31	0.41	4621	43.86	17.98	0.41	4928	42.83	17.56	0.41	5153	41.58	17.05	0.41	5344	38.67	15.86	0.41	5608	38.29	15.70	0.41	5664	31.59	12.95	0.41	5877
	79	64	46.39	37.57	0.81	4140	45.93	37.20	0.81	4178	45.43	36.80	0.81	4216	44.84	36.32	0.81	4250	44.40	35.96	0.81	4271	43.92	35.57	0.81	4413	43.31	35.08	0.81	4607	42.54	34.46	0.81	4917	41.55	33.65	0.81	5144	40.34	32.67	0.81	5336	37.51	30.39	0.81	5603	37.14	30.08	0.81	5660	30.64	24.82	0.81	5875
	79	68	47.81	32.99	0.69	4165	47.33	32.66	0.69	4202	46.82	32.30	0.69	4240	46.22	31.89	0.69	4274	45.76	31.57	0.69	4296	45.26	31.23	0.69	4437	44.64	30.80	0.69	4631	43.85	30.25	0.69	4942	42.82	29.54	0.69	5168	41.57	28.68	0.69	5361	38.66	26.68	0.69	5628	38.27	26.41	0.69	5684	31.58	21.79	0.69	5900
	79	72	48.62	27.71	0.57	4181	48.14	27.44	0.57	4219	47.61	27.14	0.57	4257	47.00	26.79	0.57	4291	46.54	26.53	0.57	4313	46.03	26.24	0.57	4454	45.39	25.87	0.57	4648	44.59	25.42	0.57	4958	43.55	24.82	0.57	5185	42.28	24.10	0.57	5378	39.32	22.41	0.57	5645	38.93	22.19	0.57	5701	32.11	18.30	0.57	5917
	79	75	49.30	22.18	0.45	4201	48.81	21.96	0.45	4239	48.28	21.73	0.45	4277	47.66	21.45	0.45	4311	47.19	21.23	0.45	4332	46.67	21.00	0.45	4474	46.03	20.71	0.45	4668	45.22	20.35	0.45	4978	44.16	19.87	0.45	5205	42.87	19.29	0.45	5397	39.87	17.94	0.45	5665	39.47	17.76	0.45	5721	32.56	14.65	0.45	5936
	79	79	50.09	16.53	0.33	4224	49.59	16.37	0.33	4262	49.05	16.19	0.33	4300	48.42	15.98	0.33	4334	47.94	15.82	0.33	4355	47.42	15.65	0.33	4497	46.77	15.43	0.33	4691	45.94	15.16	0.33	5001	44.86	14.80	0.33	5228	43.56	14.37	0.33	5420	40.51	13.37	0.33	5688	40.10	13.23	0.33	5744	33.08	10.92	0.33	5959
	81	64	47.33	40.23	0.85	4182	46.86	39.83	0.85	4220	46.35	39.40	0.85	4258	45.76	38.89	0.85	4293	45.31	38.51	0.85	4314	44.81	38.09	0.85	4457	44.19	37.56	0.85	4653	43.41	36.90	0.85	4967	42.39	36.04	0.85	5196	41.16	34.99	0.85	5390	38.28	32.54	0.85	5660	37.90	32.21	0.85	5717	31.26	26.57	0.85	5934
	81	66	48.30	38.16	0.79	4192	47.82	37.78	0.79	4230	47.30	37.37	0.79	4268	46.69	36.89	0.79	4303	46.23	36.52	0.79	4324	45.73	36.12	0.79	4467	45.10	35.63	0.79	4663	44.30	35.00	0.79	4977	43.26	34.18	0.79	5206	42.00	33.18	0.79	5400	39.06	30.86	0.79	5670	38.67	30.55	0.79	5727	31.90	25.20	0.79	5944
	81	68	48.78	35.61	0.73	4207	48.30	35.26	0.73	4245	47.77	34.87	0.73	4283	47.16	34.43	0.73	4318	46.69	34.09	0.73	4339	46.18	33.71	0.73	4482	45.55	33.25	0.73	4678	44.74	32.66	0.73	4992	43.69	31.90	0.73	5221	42.42	30.97	0.73	5415	39.45	28.80	0.73	5685	39.06	28.51	0.73	5742	32.22	23.52	0.73	5959
	81	72	49.61	30.26	0.61	4224	49.12	29.96	0.61	4262	48.58	29.64	0.61	4300	47.96	29.26	0.61	4335	47.49	28.97	0.61	4356	46.97	28.65	0.61	4499	46.32	28.26	0.61	4695	45.50	27.76	0.61	5009	44.44	27.11	0.61	5238	43.14	26.32	0.61	5432	40.12	24.47	0.61	5702	39.72	24.23	0.61	5759	32.77	19.99	0.61	5976
	81	75	50.30	24.65	0.49	4244	49.81	24.41	0.49	4282	49.26	24.14	0.49	4320	48.63	23.83	0.49	4355	48.15	23.59	0.49	4376	47.63	23.34	0.49	4519	46.97	23.01	0.49	4715	46.14	22.61	0.49	5029	45.06	22.08	0.49	5258	43.75	21.44	0.49	5452	40.68	19.93	0.49	5722	40.28	19.74	0.49	5779	33.23	16.28	0.49	5996
	81	79	51.11	18.91	0.37	4267	50.60	18.72	0.37	4305	50.05	18.52	0.37	4343	49.41	18.28	0.37	4378	48.92	18.10	0.37	4399	48.39	17.90	0.37	4542	47.72	17.66	0.37	4738	46.88	17.34	0.37	5052	45.78	16.94	0.37	5281	44.45	16.44	0.37	5475	41.33	15.29	0.37	5745	40.92	15.14	0.37	5802	33.76	12.49	0.37	6019
	82	64	47.81	42.55	0.89	4224	47.33	42.13	0.89	4262	46.82	41.67	0.89	4301	46.22	41.13	0.89	4336	45.76	40.72	0.89	4357	45.26	40.28	0.89	4502	44.64	39.73	0.89	4700	43.85	39.02	0.89	5016	42.82	38.11	0.89	5248	41.57	37.00	0.89	5444	38.66	34.41	0.89	5717	38.27	34.06	0.89	5774	31.58	28.10	0.89	5994
	82	68	48.78	37.56	0.77	4249	48.30	37.19	0.77	4287	47.77	36.78	0.77	4326	47.16	36.31	0.77	4361	46.69	35.95	0.77	4383	46.18	35.56	0.77	4527	45.55	35.07	0.77	4725	44.74	34.45	0.77	5041	43.69	33.64	0.77	5273	42.42	32.66	0.77	5469	39.45	30.38	0.77	5742	39.06	30.07	0.77	5799	32.22	24.81	0.77	6019
	82	72	49.27	32.02	0.65	4266	48.78	31.71	0.65	4304	48.25	31.36	0.65	4343	47.63	30.96	0.65	4378	47.16	30.65	0.65	4400	46.65	30.32	0.65	4544	46.00	29.90	0.65	4742	45.19	29.37	0.65	5059	44.13	28.68	0.65	5290	42.84	27.85	0.65	5486	39.85	25.90	0.65	5759	39.45	25.64	0.65	5816	32.54	21.15	0.65	6036
	82	75	50.11	26.56	0.53	4286	49.61	26.29	0.53	4325	49.07	26.01	0.53	4363	48.44	25.67	0.53	4398	47.96	25.42	0.53	4420	47.44	25.14	0.53	4564	46.78	24.80	0.53	4762	45.96	24.36	0.53	5079	44.88	23.79	0.53	5310	43.57	23.09	0.53	5507	40.52	21.48	0.53	5779	40.12	21.26	0.53	5836	33.10	17.54	0.53	6056
	82	79	50.81	20.83	0.41	4309	50.30	20.62	0.41	4348	49.76	20.40	0.41	4387	49.12	20.14	0.41	4421	48.63	19.94	0.41	4443	48.10	19.72	0.41	4588	47.44	19.45	0.41	4785	46.60	19.11	0.41	5102	45.51	18.66	0.41	5333	44.18	18.11	0.41	5530	41.09	16.85	0.41	5802	40.68	16.68	0.41	5860	33.56	13.76	0.41	6080
	84	64	48.28	43.94	0.91	4266	47.81	43.50	0.91	4305	47.28	43.03	0.91	4344	46.68	42.48	0.91	4379	46.22	42.06	0.91	4401	45.71	41.60	0.91	4547	45.08	41.02	0.91	4747	44.28	40.30	0.91	5066	43.25	39.35	0.91	5300	41.99	38.21	0.91	5498	39.05	35.53	0.91	5774	38.66	35.18	0.91	5832	31.89	29.02	0.91	6054
	84	68	49.27	39.91	0.81	4291	48.78	39.51	0.81	4330	48.25	39.08	0.81	4369	47.63	38.58	0.81	4404	47.16	38.20	0.81	4426	46.65	37.78	0.81	4572	46.00	37.26	0.81	4772	45.19	36.60	0.81	5092	44.13	35.74	0.81	5326	42.84	34.70	0.81	5524	39.85	32.27	0.81	5799	39.45	31.95	0.81	5857	32.54	26.36	0.81	6079
	84	72	50.25	34.68	0.69	4309	49.76	34.33	0.69	4347	49.21	33.96	0.69	4387	48.58	33.52	0.69	4422	48.10	33.19	0.69	4444	47.58	32.83	0.69	4590	46.92	32.38	0.69	4789	46.09	31.80	0.69	5109	45.01	31.06	0.69	5343	43.70	30.15	0.69	5541	40.64	28.04	0.69	5817	40.24	27.76	0.69	5874	33.19	22.90	0.69	6096
	84	75	50.61	28.85	0.57	4329	50.11	28.56	0.57	4368	49.56	28.25	0.57	4407	48.92	27.89	0.57	4442	48.44	27.61	0.57	4464	47.91	27.31	0.57	4610	47.25	26.93	0.57	4810	46.42	26.46	0.57	5130	45.33	25.84	0.57	5363	44.01	25.08	0.57	5562	40.93	23.33	0.57	5837	40.52	23.10	0.57	5895	33.43	19.05	0.57	6117
	84	79	51.32	23.09	0.45	4352	50.81	22.86	0.45	4391	50.25	22.61	0.45	4430	49.61	22.32	0.45	4466	49.12	22.10	0.45	4488	48.58	21.86	0.45	4633	47.91	21.56	0.45	4833	47.07	21.18	0.45	5153	45.96	20.68	0.45	5387	44.62	20.08	0.45	5585	41.50	18.68	0.45	5860	41.09	18.49	0.45	5918	33.90	15.25	0.45	6140
	86	64	48.77	44.38	0.91	4308	48.28	43.94	0.91	4348	47.76	43.46	0.91	4387	47.14	42.90	0.91	4423	46.68	42.48	0.91	4445	46.17	42.01	0.91	4592	45.53	41.43	0.91	4794	44.73	40.70	0.91	5117	43.68	39.75	0.91	5353	42.41	38.59	0.91	5553	39.44	35.89	0.91	5832	39.04	35.53	0.91	5890	32.21	29.31	0.91	6114
	86	68	49.76	42.30	0.85	4334	49.27	41.88	0.85	4373	48.73	41.42	0.85	4413	48.11	40.89	0.85	4448	47.63	40.49	0.85	4471	47.11	40.05	0.85	4618	46.46	39.49	0.85	4820	45.64	38.79	0.85	5143	44.57	37.89	0.85	5379	43.27	36.78	0.85	5579	40.24	34.21	0.85	5857	39.84	33.86	0.85	5916	32.87	27.94	0.85	6140
	86	72	50.76	37.05	0.73	4352	50.25	36.69	0.73	4391	49.71	36.29	0.73	4430	49.07	35.82	0.73	4466	48.58	35.47	0.73	4488	48.05	35.08	0.73	4636	47.39	34.60	0.73	4837	46.55	33.98	0.73	5160	45.46	33.19	0.73	5396	44.14	32.22	0.73	5597	41.05	29.97	0.73	5875	40.64	29.67	0.73	5933	33.53	24.47	0.73	6157
	86	75	51.11	31.18	0.61	4372	50.61	30.87	0.61	4412	50.06	30.53	0.61	4451	49.41	30.14	0.61	4487	48.92	29.84	0.61	4509	48.39	29.52	0.61	4656	47.72	29.11	0.61	4858	46.88	28.60	0.61	5181	45.78	27.93	0.61	5417	44.45	27.11	0.61	5617	41.34	25.22	0.61	5895	40.92	24.96	0.61	5954	33.76	20.59	0.61	6178
	86	79	51.83	25.40	0.49	4396	51.32	25.14	0.49	4435	50.76	24.87	0.49	4475	50.11	24.55	0.49	4510	49.61	24.31	0.49	4533	49.07	24.04	0.49	4680	48.39	23.71	0.49	4882	47.54	23.29	0.49	5205	46.42	22.75	0.49	5441	45.07	22.08	0.49	5641	41.92	20.54	0.49	5919	41.50	20.33	0.49	5977	34.23	16.77	0.49	6202
	88	64	49.25	44.82	0.91	4352	48.77	44.38	0.91	4391	48.24	43.89	0.91	4431	47.62	43.33	0.91	4467	47.14	42.90	0.91	4489	46.63	42.44	0.91	4638	45.99	41.85	0.91	4842	45.17	41.11	0.91	5168	44.12	40.15	0.91	5407	42.83	38.98	0.91	5609	39.83	36.25	0.91	5890	39.43	35.89	0.91	5949	32.53	29.61	0.91	6175
	88	68	50.26	44.73	0.89	4378	49.76	44.29	0.89	4417	49.22	43.81	0.89	4457	48.59	43.24	0.89	4493	48.11	42.82	0.89	4515	47.58	42.35	0.89	4664	46.93	41.76	0.89	4868	46.10	41.03	0.89	5194	45.02	40.06	0.89	5433	43.71	38.90	0.89	5635	40.65	36.17	0.89	5916	40.24	35.81	0.89	5975	33.20	29.55	0.89	6201
	88	72	51.26	39.47	0.77	4395	50.76	39.08	0.77	4435	50.20	38.66	0.77	4475	49.56	38.16	0.77	4511	49.07	37.78	0.77	4533	48.54	37.37	0.77	4682	47.87	36.86	0.77	4886	47.02	36.20	0.77	5212	45.92	35.36	0.77	5450	44.58	34.33	0.77	5653	41.46	31.92	0.77	5934	41.04	31.60	0.77	5993	33.86	26.07	0.77	6219
	88	75	51.62	33.56	0.65	4416	51.11	33.22	0.65	4456	50.56	32.86	0.65	4496	49.91	32.44	0.65	4531	49.41	32.12	0.65	4554	48.88	31.77	0.65	4703	48.20	31.33	0.65	4906	47.35	30.78	0.65	5233	46.24	30.06	0.65	5471	44.89	29.18	0.65	5673	41.75	27.14	0.65	5954	41.33	26.87	0.65	6013	34.10	22.16	0.65	6240
	88	79	52.35	27.74	0.53	4440	51.83	27.47	0.53	4480	51.26	27.17	0.53	4520	50.61	26.82	0.53	4555	50.11	26.56	0.53	4578	49.56	26.27	0.53	4727	48.88	25.90	0.53	4930	48.01	25.45	0.53	5257	46.89	24.85	0.53	5495	45.52	24.13	0.53	5697	42.33	22.44	0.53	5978	41.91	22.21	0.53	6037	34.58	18.33	0.53	6264
	90	64	49.75	45.27	0.91	4395	49.25	44.82	0.91	4435	48.72	44.33	0.91	4475	48.09	43.76	0.91	4512	47.62	43.33	0.91	4534	47.10	42.86	0.91	4685	46.45	42.27	0.91	4890	45.63	41.52	0.91	5220	44.56	40.55	0.91	5461	43.26	39.37	0.91	5665	40.23	36.61	0.91	5949	39.83	36.24	0.91	6008	32.86	29.90	0.91	6237
	90	68	50.76	46.19	0.91	4421	50.26	45.74	0.91	4461	49.71	45.24	0.91	4502	49.07	44.66	0.91	4538	48.59	44.22	0.91	4561	48.06	43.73	0.91	4711	47.40	43.13	0.91	4917	46.56	42.37	0.91	5246	45.47	41.37	0.91	5487	44.14	40.17	0.91	5691	41.05	37.36	0.91	5975	40.64	36.98	0.91	6035	33.53	30.51	0.91	6263
	90	72	51.78	41.94	0.81	4439	51.26	41.52	0.81	4479	50.71	41.07	0.81	4520	50.06	40.54	0.81	4556	49.56	40.14	0.81	4578	49.02	39.71	0.81	4729	48.34	39.16	0.81	4935	47.49	38.47	0.81	5264	46.38	37.56	0.81	5505	45.03	36.47	0.81	5709	41.87	33.92	0.81	5993	41.45	33.58	0.81	6052	34.20	27.70	0.81	6281
	90	75	52.14	35.98	0.69	4460	51.62	35.62	0.69	4500	51.06	35.23	0.69	4541	50.41	34.78	0.69	4577	49.91	34.44	0.69	4599	49.37	34.06	0.69	4750	48.68	33.59	0.69	4956	47.82	33.00	0.69	5285	46.70	32.22	0.69	5526	45.34	31.29	0.69	5730	42.17	29.10	0.69	6014	41.75	28.80	0.69	6073	34.44	23.76	0.69	6302
	90	79	52.87	30.14	0.57	4484	52.35	29.84	0.57	4524	51.78	29.51	0.57	4565	51.11	29.13	0.57	4601	50.61	28.85	0.57	4624	50.06	28.53	0.57	4774	49.37	28.14	0.57	4980	48.49	27.64	0.57	5309	47.36	26.99	0.57	5550	45.98	26.21	0.57	5754	42.76	24.37	0.57	6038	42.33	24.13	0.57	6098	34.92	19.91	0.57	6326

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
100%	70	64	26.05	15.89	0.61	5626	23.18	14.14	0.61	5739	22.26	13.58	0.61	5796	21.14	12.90	0.61	5913
	70	68	27.12	13.29	0.49	5650	24.14	11.83	0.49	5762	23.18	11.36	0.49	5820	22.02	10.79	0.49	5936
	72	64	26.86	17.46	0.65	5683	23.90	15.54	0.65	5797	22.95	14.91	0.65	5855	21.80	14.17	0.65	5972
	72	68	27.68	14.67	0.53	5707	24.63	13.06	0.53	5821	23.65	12.53	0.53	5879	22.47	11.91	0.53	5996
	72	72	28.15	11.54	0.41	5723	25.05	10.27	0.41	5837	24.05	9.86	0.41	5895	22.85	9.37	0.41	6012
	73	64	27.40	18.91	0.69	5740	24.39	16.83	0.69	5855	23.41	16.16	0.69	5914	22.24	15.35	0.69	6033
	73	68	28.24	16.10	0.57	5764	25.14	14.33	0.57	5879	24.13	13.75	0.57	5938	22.92	13.07	0.57	6057
	73	72	28.72	12.93	0.45	5781	25.56	11.50	0.45	5896	24.54	11.04	0.45	5954	23.31	10.49	0.45	6073
	75	64	27.96	20.41	0.73	5798	24.89	18.17	0.73	5915	23.89	17.44	0.73	5974	22.70	16.57	0.73	6094
	75	68	28.82	17.58	0.61	5823	25.65	15.65	0.61	5939	24.62	15.02	0.61	5998	23.39	14.27	0.61	6118
	75	72	29.31	14.36	0.49	5839	26.09	12.78	0.49	5955	25.04	12.27	0.49	6015	23.79	11.66	0.49	6134
	75	75	29.72	11.00	0.37	5859	26.45	9.79	0.37	5975	25.39	9.40	0.37	6034	24.12	8.93	0.37	6154
	77	64	28.83	22.20	0.77	5857	25.66	19.76	0.77	5974	24.63	18.97	0.77	6034	23.40	18.02	0.77	6155
	77	68	29.71	19.31	0.65	5882	26.44	17.19	0.65	5999	25.38	16.50	0.65	6059	24.12	15.68	0.65	6180
	77	72	30.22	16.01	0.53	5898	26.89	14.25	0.53	6016	25.82	13.68	0.53	6075	24.53	13.00	0.53	6196
	77	75	30.64	12.56	0.41	5918	27.27	11.18	0.41	6035	26.18	10.73	0.41	6095	24.87	10.20	0.41	6216
	79	64	29.72	24.07	0.81	5916	26.45	21.42	0.81	6035	25.39	20.57	0.81	6095	24.12	19.54	0.81	6217
	79	68	30.63	21.13	0.69	5941	27.26	18.81	0.69	6059	26.17	18.06	0.69	6120	24.86	17.15	0.69	6242
	79	72	31.15	17.76	0.57	5958	27.72	15.80	0.57	6076	26.61	15.17	0.57	6137	25.28	14.41	0.57	6259
	79	75	31.59	14.21	0.45	5978	28.11	12.65	0.45	6096	26.99	12.14	0.45	6157	25.64	11.54	0.45	6279
	79	79	32.09	10.59	0.33	6000	28.56	9.43	0.33	6119	27.42	9.05	0.33	6179	26.05	8.60	0.33	6301
	81	64	30.33	25.78	0.85	5976	26.99	22.94	0.85	6096	25.91	22.02	0.85	6157	24.62	20.92	0.85	6280
	81	66	30.95	24.45	0.79	5986	27.54	21.76	0.79	6106	26.44	20.89	0.79	6167	25.12	19.84	0.79	6290
	81	68	31.25	22.82	0.73	6001	27.82	20.31	0.73	6121	26.70	19.49	0.73	6182	25.37	18.52	0.73	6305
	81	72	31.79	19.39	0.61	6018	28.29	17.26	0.61	6138	27.16	16.57	0.61	6199	25.80	15.74	0.61	6322
	81	75	32.23	15.79	0.49	6038	28.69	14.06	0.49	6158	27.54	13.49	0.49	6219	26.16	12.82	0.49	6342
	81	79	32.75	12.12	0.37	6061	29.14	10.78	0.37	6181	27.98	10.35	0.37	6242	26.58	9.83	0.37	6365
	82	64	30.63	27.26	0.89	6036	27.26	24.26	0.89	6157	26.17	23.29	0.89	6218	24.86	22.13	0.89	6343
	82	68	31.25	24.07	0.77	6061	27.82	21.42	0.77	6182	26.70	20.56	0.77	6244	25.37	19.53	0.77	6368
	82	72	31.57	20.52	0.65	6078	28.09	18.26	0.65	6199	26.97	17.53	0.65	6261	25.62	16.65	0.65	6385
	82	75	32.10	17.02	0.53	6098	28.57	15.14	0.53	6219	27.43	14.54	0.53	6281	26.06	13.81	0.53	6405
	82	79	32.55	13.35	0.41	6122	28.97	11.88	0.41	6242	27.81	11.40	0.41	6304	26.42	10.83	0.41	6429
	84	64	30.94	28.15	0.91	6096	27.53	25.05	0.91	6218	26.43	24.05	0.91	6280	25.11	22.85	0.91	6406
	84	68	31.57	25.57	0.81	6122	28.09	22.76	0.81	6244	26.97	21.85	0.81	6306	25.62	20.75	0.81	6432
	84	72	32.20	22.22	0.69	6139	28.66	19.77	0.69	6261	27.51	18.98	0.69	6323	26.13	18.03	0.69	6449
	84	75	32.42	18.48	0.57	6159	28.86	16.45	0.57	6281	27.70	15.79	0.57	6344	26.32	15.00	0.57	6470
	84	79	32.88	14.80	0.45	6183	29.26	13.17	0.45	6305	28.09	12.64	0.45	6367	26.69	12.01	0.45	6493
	86	64	31.25	28.43	0.91	6157	27.81	25.31	0.91	6280	26.70	24.29	0.91	6343	25.36	23.08	0.91	6470
	86	68	31.88	27.10	0.85	6183	28.38	24.12	0.85	6306	27.24	23.15	0.85	6369	25.88	22.00	0.85	6496
	86	72	32.52	23.74	0.73	6200	28.94	21.13	0.73	6324	27.79	20.28	0.73	6387	26.40	19.27	0.73	6514
	86	75	32.75	19.98	0.61	6221	29.15	17.78	0.61	6344	27.98	17.07	0.61	6407	26.58	16.21	0.61	6534
	86	79	33.21	16.27	0.49	6245	29.55	14.48	0.49	6368	28.37	13.90	0.49	6431	26.95	13.21	0.49	6558
	88	64	31.56	28.72	0.91	6219	28.09	25.56	0.91	6343	26.96	24.54	0.91	6407	25.61	23.31	0.91	6535
	88	68	32.20	28.66	0.89	6245	28.66	25.51	0.89	6369	27.51	24.49	0.89	6433	26.14	23.26	0.89	6561
	88	72	32.85	25.29	0.77	6262	29.23	22.51	0.77	6387	28.06	21.61	0.77	6450	26.66	20.53	0.77	6579
	88	75	33.08	21.50	0.65	6283	29.44	19.13	0.65	6408	28.26	18.37	0.65	6471	26.85	17.45	0.65	6600
	88	79	33.54	17.78	0.53	6307	29.85	15.82	0.53	6432	28.66	15.19	0.53	6495	27.22	14.43	0.53	6623
	90	64	31.87	29.00	0.91	6281	28.37	25.81	0.91	6407	27.23	24.78	0.91	6471	25.87	23.54	0.91	6600
	90	68	32.52	29.60	0.91	6307	28.95	26.34	0.91	6433	27.79	25.29	0.91	6497	26.40	24.02	0.91	6627
	90	72	33.17	26.87	0.81	6325	29.53	23.92	0.81	6451	28.34	22.96	0.81	6515	26.93	21.81	0.81	6645
	90	75	33.41	23.05	0.69	6346	29.73	20.52	0.69	6472	28.54	19.69	0.69	6536	27.12	18.71	0.69	6666
	90	79	33.88	19.31	0.57	6370	30.15	17.18	0.57	6496	28.94	16.50	0.57	6560	27.50	15.67	0.57	6690

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

Cooling Operation PERFORMANCE DATA

OUTDOOR DB (°F)

COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	39.84	24.31	0.61	3898	39.45	24.06	0.61	3933	39.02	23.80	0.61	3969	38.52	23.50	0.61	4001
	70	68	41.49	20.33	0.49	3921	41.08	20.13	0.49	3957	40.63	19.91	0.49	3992	40.11	19.65	0.49	4024
	72	64	41.08	26.70	0.65	3937	40.67	26.44	0.65	3973	40.23	26.15	0.65	4009	39.71	25.81	0.65	4041
	72	68	42.33	22.44	0.53	3961	41.92	22.22	0.53	3997	41.46	21.97	0.53	4033	40.93	21.69	0.53	4065
	72	72	43.05	17.65	0.41	3977	42.63	17.48	0.41	4013	42.16	17.29	0.41	4049	41.62	17.07	0.41	4081
	73	64	41.92	28.92	0.69	3977	41.50	28.64	0.69	4013	41.05	28.32	0.69	4049	40.52	27.96	0.69	4082
	73	68	43.20	24.62	0.57	4001	42.77	24.38	0.57	4037	42.31	24.11	0.57	4073	41.76	23.80	0.57	4106
	73	72	43.93	19.77	0.45	4017	43.50	19.57	0.45	4053	43.02	19.36	0.45	4090	42.47	19.11	0.45	4122
	75	64	42.77	31.22	0.73	4017	42.35	30.91	0.73	4053	41.89	30.58	0.73	4090	41.35	30.18	0.73	4123
	75	68	44.08	26.89	0.61	4041	43.64	26.62	0.61	4078	43.17	26.33	0.61	4115	42.61	26.00	0.61	4148
	75	72	44.83	21.97	0.49	4058	44.39	21.75	0.49	4094	43.90	21.51	0.49	4131	43.34	21.24	0.49	4164
	75	75	45.46	16.82	0.37	4077	45.01	16.65	0.37	4114	44.52	16.47	0.37	4150	43.95	16.26	0.37	4184
	77	64	44.09	33.95	0.77	4057	43.66	33.62	0.77	4094	43.18	33.25	0.77	4132	42.63	32.82	0.77	4165
	77	68	45.44	29.54	0.65	4082	44.99	29.25	0.65	4119	44.50	28.93	0.65	4156	43.93	28.56	0.65	4190
	77	72	46.22	24.49	0.53	4099	45.76	24.25	0.53	4136	45.26	23.99	0.53	4173	44.68	23.68	0.53	4206
	77	75	46.86	19.21	0.41	4118	46.40	19.02	0.41	4155	45.89	18.82	0.41	4192	45.31	18.58	0.41	4226
	79	64	45.46	36.82	0.81	4098	45.01	36.46	0.81	4136	44.52	36.06	0.81	4173	43.95	35.60	0.81	4207
	79	68	46.85	32.33	0.69	4123	46.39	32.01	0.69	4160	45.88	31.66	0.69	4198	45.29	31.25	0.69	4232
	79	72	47.65	27.16	0.57	4140	47.17	26.89	0.57	4177	46.66	26.60	0.57	4215	46.06	26.26	0.57	4249
	79	75	48.31	21.74	0.45	4160	47.83	21.53	0.45	4197	47.31	21.29	0.45	4235	46.71	21.02	0.45	4268
	79	79	49.09	16.20	0.33	4183	48.60	16.04	0.33	4220	48.07	15.86	0.33	4258	47.45	15.66	0.33	4291
	81	64	46.39	39.43	0.85	4140	45.93	39.04	0.85	4177	45.43	38.61	0.85	4216	44.84	38.12	0.85	4250
	81	66	47.33	37.39	0.79	4150	46.86	37.02	0.79	4187	46.35	36.62	0.79	4226	45.76	36.15	0.79	4260
	81	68	47.81	34.90	0.73	4165	47.33	34.55	0.73	4202	46.82	34.18	0.73	4241	46.22	33.74	0.73	4275
	81	72	48.62	29.66	0.61	4182	48.14	29.36	0.61	4219	47.61	29.04	0.61	4258	47.00	28.67	0.61	4292
	81	75	49.30	24.16	0.49	4202	48.81	23.92	0.49	4239	48.28	23.66	0.49	4278	47.66	23.35	0.49	4312
	81	79	50.09	18.53	0.37	4225	49.59	18.35	0.37	4262	49.05	18.15	0.37	4301	48.42	17.92	0.37	4335
	82	64	46.85	41.70	0.89	4181	46.39	41.28	0.89	4219	45.88	40.83	0.89	4258	45.29	40.31	0.89	4292
	82	68	47.81	36.81	0.77	4206	47.33	36.45	0.77	4245	46.82	36.05	0.77	4283	46.22	35.59	0.77	4317
	82	72	48.28	31.38	0.65	4224	47.81	31.07	0.65	4262	47.28	30.74	0.65	4300	46.68	30.34	0.65	4335
	82	75	49.10	26.03	0.53	4244	48.62	25.77	0.53	4282	48.09	25.49	0.53	4320	47.47	25.16	0.53	4355
	82	79	49.79	20.41	0.41	4267	49.30	20.21	0.41	4305	48.76	19.99	0.41	4344	48.14	19.74	0.41	4378
	84	64	47.32	43.06	0.91	4223	46.85	42.63	0.91	4261	46.34	42.17	0.91	4300	45.74	41.63	0.91	4335
	84	68	48.28	39.11	0.81	4249	47.81	38.72	0.81	4287	47.28	38.30	0.81	4326	46.68	37.81	0.81	4361
	84	72	49.25	33.98	0.69	4266	48.76	33.65	0.69	4304	48.23	33.28	0.69	4343	47.61	32.85	0.69	4378
	84	75	49.59	28.27	0.57	4286	49.10	27.99	0.57	4325	48.57	27.68	0.57	4363	47.95	27.33	0.57	4398
	84	79	50.29	22.63	0.45	4310	49.79	22.41	0.45	4348	49.25	22.16	0.45	4387	48.62	21.88	0.45	4422
	86	64	47.79	43.49	0.91	4265	47.32	43.06	0.91	4304	46.80	42.59	0.91	4343	46.20	42.04	0.91	4378
	86	68	48.77	41.45	0.85	4291	48.28	41.04	0.85	4330	47.76	40.59	0.85	4369	47.14	40.07	0.85	4404
	86	72	49.74	36.31	0.73	4309	49.25	35.95	0.73	4347	48.71	35.56	0.73	4387	48.09	35.10	0.73	4422
	86	75	50.09	30.56	0.61	4329	49.59	30.25	0.61	4368	49.06	29.92	0.61	4407	48.43	29.54	0.61	4442
	86	79	50.79	24.89	0.49	4353	50.29	24.64	0.49	4392	49.74	24.37	0.49	4431	49.10	24.06	0.49	4466
	88	64	48.27	43.92	0.91	4308	47.79	43.49	0.91	4347	47.27	43.02	0.91	4387	46.66	42.46	0.91	4422
	88	68	49.25	43.84	0.89	4334	48.77	43.40	0.89	4373	48.24	42.93	0.89	4413	47.62	42.38	0.89	4448
	88	72	50.24	38.68	0.77	4352	49.74	38.30	0.77	4391	49.20	37.88	0.77	4430	48.57	37.40	0.77	4466
	88	75	50.59	32.88	0.65	4372	50.09	32.56	0.65	4412	49.55	32.20	0.65	4451	48.91	31.79	0.65	4487
	88	79	51.30	27.19	0.53	4396	50.79	26.92	0.53	4436	50.24	26.63	0.53	4475	49.59	26.29	0.53	4511
	90	64	48.75	44.36	0.91	4351	48.27	43.92	0.91	4391	47.74	43.45	0.91	4431	47.13	42.89	0.91	4466
	90	68	49.75	45.27	0.91	4377	49.25	44.82	0.91	4417	48.72	44.33	0.91	4457	48.09	43.76	0.91	4493
	90	72	50.74	41.10	0.81	4395	50.24	40.69	0.81	4435	49.69	40.25	0.81	4475	49.05	39.73	0.81	4511
	90	75	51.10	35.26	0.69	4416	50.59	34.91	0.69	4456	50.04	34.53	0.69	4496	49.40	34.09	0.69	4532
	90	79	51.81	29.53	0.57	4440	51.30	29.24	0.57	4480	50.74	28.92	0.57	4520	50.09	28.55	0.57	4556

COMBINATION (%)	IDDB (°F)	ID WB (°F)	59				70				77				81			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	38.14	23.26	0.61	4021	37.72	23.01	0.61	4154	37.20	22.69	0.61	4337	36.55	22.29	0.61	4629
	70	68	39.71	19.46	0.49	4045	39.28	19.25	0.49	4178	38.74	18.98	0.49	4360	38.05	18.65	0.49	4653
	72	64	39.32	25.56	0.65	4062	38.89	25.28	0.65	4196	38.35	24.93	0.65	4381	37.68	24.49	0.65	4676
	72	68	40.52	21.48	0.53	4085	40.08	21.24	0.53	4220	39.53	20.95	0.53	4404	38.83	20.58	0.53	4700
	72	72	41.21	16.90	0.41	4102	40.76	16.71	0.41	4236	40.20	16.48	0.41	4421	39.49	16.19	0.41	4716
	73	64	40.12	27.68	0.69	4103	39.68	27.38	0.69	4239	39.14	27.00	0.69	4425	38.44	26.53	0.69	4723
	73	68	41.35	23.57	0.57	4127	40.90	23.31	0.57	4263	40.33	22.99	0.57	4449	39.62	22.58	0.57	4747
	73	72	42.05	18.92	0.45	4143	41.59	18.72	0.45	4279	41.02	18.46	0.45	4465	40.29	18.13	0.45	4763
	75	64	40.94	29.89	0.73	4144	40.49	29.56	0.73	4281	39.94	29.15	0.73	4470	39.23	28.64	0.73	4771
	75	68	42.19	25.74	0.61	4168	41.73	25.46	0.61	4306	41.16	25.11	0.61	4494	40.43	24.66	0.61	4795
	75	72	42.91	21.03	0.49	4185	42.44	20.80	0.49	4322	41.86	20.51	0.49	4510	41.12	20.15	0.49	4812
	75	75	43.51	16.10	0.37	4204	43.04	15.92	0.37	4342	42.44	15.70	0.37	4530	41.69	15.43	0.37	4831
	77	64	42.21	32.50	0.77	4186	41.75	32.14	0.77	4325	41.17	31.70	0.77	4515	40.44	31.14	0.77	4819
	77	68	43.50	28.27	0.65	4211	43.02	27.97	0.65	4349	42.43	27.58	0.65	4539	41.68	27.09	0.65	4843
	77	72	44.24	23.45	0.53	4227	43.76	23.19	0.53	4366	43.15	22.87	0.53	4556	42.39	22.47	0.53	4860
	77	75	44.86	18.39	0.41	4247	44.37	18.19	0.41	4385	43.76	17.94	0.41	4575	42.98	17.62	0.41	4880
	79	64	43.51	35.24	0.81	4228	43.04	34.86	0.81	4368	42.44	34.38	0.81	4560	41.69	33.77	0.81	4868
	79	68	44.84	30.94	0.69	4253	44.36	30.61	0.69	4393	43.74	30.18	0.69	4585	42.97	29.65	0.69	4892
	79	72	45.61	26.00	0.57	4270	45.11	25.71	0.57	4410	44.49	25.36	0.57	4602	43.70	24.91	0.57	4909
	79	75	46.24	20.81	0.45	4290	45.74	20.58	0.45	4430	45.11	20.30	0.45	4622	44.31	19.94	0.45	4929
	79	79	46.98	15.50	0.33	4312	46.47	15.34	0.33	4453	45.83	15.12	0.33	4644	45.02	14.86	0.33	4952
	81	64	44.40	37.74	0.85	4271	43.92	37.33	0.85	4413	43.31	36.81	0.85	4606	42.54	36.16	0.85	4917
	81	66	45.31	35.79	0.79	4281	44.81	35.40	0.79	4423	44.19	34.91	0.79	4616	43.41	34.30	0.79	4927
	81	68	45.76	33.40	0.73	4296	45.26	33.04	0.73	4438	44.64	32.58	0.73	4631	43.85	32.01	0.73	4942
	81	72	46.54	28.39	0.61	4313	46.03	28.08	0.61	4455	45.39	27.69	0.61	4648	44.59	27.20	0.61	4959
	81	75	47.19	23.12	0.49	4333	46.67	22.87	0.49	4475	46.03	22.55	0.49	4668	45.22	22.16	0.49	4979
	81	79	47.94	17.74	0.37	4356	47.42	17.55	0.37	4498	46.77	17.30	0.37	4691	45.94	17.00	0.37	5002
	82	64	44.84	39.91	0.89	4314	44.36	39.48	0.89	4457	43.74	38.93	0.89	4652	42.97	38.24	0.89	4966
	82	68	45.76	35.23	0.77	4339	45.26	34.85	0.77	4482	44.64	34.37	0.77	4678	43.85	33.76	0.77	4991
	82	72	46.22	30.04	0.65	4356	45.71	29.71	0.65	4499	45.08	29.30	0.65	4695	44.28	28.79	0.65	5008
	82	75	47.00	24.91	0.53	4376	46.49	24.64	0.53	4519	45.85	24.30	0.53	4715	45.04	23.87	0.53	5029
	82	79	47.66	19.54	0.41	4400	47.14	19.33	0.41	4542	46.49	19.06	0.41	4738	45.67	18.72	0.41	5052
	84	64	45.29	41.22	0.91	4357	44.80	40.77	0.91	4501	44.18	40.20	0.91	4699	43.40	39.49	0.91	5016
	84	68	46.22	37.43	0.81	4382	45.71	37.03	0.81	4527	45.08	36.52	0.81	4724	44.28	35.87	0.81	5041
	84	72	47.14	32.53	0.69	4400	46.63	32.17	0.69	4544	45.98	31.73	0.69	4742	45.17	31.17	0.69	5058
	84	75	47.47	27.06	0.57	4420	46.96	26.76	0.57	4564	46.31	26.39	0.57	4762	45.49	25.93	0.57	5079
	84	79	48.14	21.66	0.45	4444	47.61	21.43	0.45	4588	46.96	21.13	0.45	4786	46.12	20.76	0.45	5102
	86	64	45.74	41.63	0.91	4400	45.25	41.17	0.91	4546	44.62	40.61	0.91	4746	43.83	39.89	0.91	5066
	86	68	46.68	39.68	0.85	4426	46.17	39.24	0.85	4572	45.53	38.70	0.85	4772	44.73	38.02	0.85	5092
	86	72	47.61	34.76	0.73	4444	47.09	34.38	0.73	4589	46.44	33.90	0.73	4789	45.62	33.30	0.73	5109
	86	75	47.95	29.25	0.61	4464	47.42	28.93	0.61	4610	46.77	28.53	0.61	4810	45.94	28.03	0.61	5130
	86	79	48.62	23.82	0.49	4488	48.09	23.56	0.49	4634	47.42	23.24	0.49	4834	46.59	22.83	0.49	5153
	88	64	46.20	42.04	0.91	4444	45.70	41.59	0.91	4592	45.07	41.01	0.91	4793	44.27	40.29	0.91	5116
	88	68	47.14	41.96	0.89	4470	46.63	41.50	0.89	4618	45.99	40.93	0.89	4819	45.17	40.21	0.89	5142
	88	72	48.09	37.03	0.77	4488	47.56	36.62	0.77	4635	46.91	36.12	0.77	4837	46.08	35.48	0.77	5160
	88	75	48.43	31.48	0.65	4509	47.90	31.13	0.65	4656	47.24	30.70	0.65	4858	46.40	30.16	0.65	5181
	88	79	49.10	26.03	0.53	4533	48.57	25.74	0.53	4680	47.90	25.39	0.53	4882	47.05	24.94	0.53	5205
	90	64	46.66	42.46	0.91	4489	46.16	42.00	0.91	4638	45.52	41.42	0.91	4841	44.71	40.69	0.91	5168
	90	68	47.62	43.33	0.91	4515	47.10	42.86	0.91	4664	46.45	42.27	0.91	4868	45.63	41.52	0.91	5194
	90	72	48.57	39.34	0.81	4533	48.04	38.91	0.81	4682	47.38	38.38	0.81	4886	46.54	37.70	0.81	5212
	90	75	48.91	33.75	0.69	4554	48.38	33.38	0.69	4703	47.71	32.92	0.69	4907	46.87	32.34	0.69	5233
	90	79	49.59	28.27	0.57	4578	49.06	27.96	0.57	4727	48.38	27.58	0.57	4931	47.52	27.09	0.57	5257

COMBINATION (%)	IDDB (°F)	ID WB (°F)	86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	35.69	21.77	0.61	4843	34.65	21.14	0.61	5024	32.22	19.66	0.61	5275	31.90	19.46	0.61	5328	26.32	16.05	0.61	5531
	70	68	37.16	18.21	0.49	4866	36.08	17.68	0.49	5047	33.55	16.44	0.49	5299	33.22	16.28	0.49	5352	27.40	13.43	0.49	5555
	72	64	36.79	23.92	0.65	4891	35.72	23.22	0.65	5074	33.22	21.59	0.65	5329	32.89	21.38	0.65	5382	27.13	17.64	0.65	5587
	72	68	37.92	20.10	0.53	4915	36.81	19.51	0.53	5098	34.24	18.15	0.53	5352	33.90	17.96	0.53	5406	27.96	14.82	0.53	5611
	72	72	38.56	15.81	0.41	4931	37.44	15.35	0.41	5114	34.82	14.28	0.41	5369	34.47	14.13	0.41	5422	28.44	11.66	0.41	5627
	73	64	37.54	25.90	0.69	4941	36.45	25.15	0.69	5126	33.90	23.39	0.69	5383	33.56	23.16	0.69	5436	27.69	19.10	0.69	5643
	73	68	38.69	22.05	0.57	4965	37.57	21.41	0.57	5150	34.94	19.91	0.57	5407	34.59	19.71	0.57	5460	28.53	16.26	0.57	5667
	73	72	39.35	17.71	0.45	4981	38.20	17.19	0.45	5166	35.53	15.99	0.45	5423	35.17	15.83	0.45	5477	29.02	13.06	0.45	5684
	75	64	38.31	27.97	0.73	4991	37.19	27.15	0.73	5178	34.59	25.25	0.73	5437	34.24	25.00	0.73	5491	28.25	20.62	0.73	5700
	75	68	39.48	24.08	0.61	5015	38.33	23.38	0.61	5202	35.65	21.75	0.61	5461	35.29	21.53	0.61	5516	29.12	17.76	0.61	5725
	75	72	40.15	19.68	0.49	5032	38.98	19.10	0.49	5218	36.26	17.77	0.49	5478	35.89	17.59	0.49	5532	29.61	14.51	0.49	5741
	75	75	40.72	15.06	0.37	5051	39.53	14.63	0.37	5238	36.76	13.60	0.37	5497	36.40	13.47	0.37	5552	30.03	11.11	0.37	5761
	77	64	39.49	30.41	0.77	5041	38.34	29.53	0.77	5230	35.66	27.46	0.77	5492	35.30	27.18	0.77	5547	29.13	22.43	0.77	5758
	77	68	40.70	26.46	0.65	5066	39.52	25.69	0.65	5254	36.75	23.89	0.65	5516	36.38	23.65	0.65	5571	30.02	19.51	0.65	5782
	77	72	41.40	21.94	0.53	5082	40.19	21.30	0.53	5271	37.38	19.81	0.53	5533	37.00	19.61	0.53	5588	30.53	16.18	0.53	5799
	77	75	41.97	17.21	0.41	5102	40.75	16.71	0.41	5291	37.90	15.54	0.41	5553	37.52	15.38	0.41	5608	30.95	12.69	0.41	5819
	79	64	40.72	32.98	0.81	5092	39.53	32.02	0.81	5283	36.76	29.78	0.81	5547	36.40	29.48	0.81	5603	30.03	24.32	0.81	5816
	79	68	41.96	28.95	0.69	5117	40.74	28.11	0.69	5307	37.89	26.14	0.69	5572	37.51	25.88	0.69	5628	30.95	21.35	0.69	5841
	79	72	42.68	24.33	0.57	5134	41.43	23.62	0.57	5324	38.53	21.96	0.57	5589	38.15	21.74	0.57	5644	31.47	17.94	0.57	5858
	79	75	43.27	19.47	0.45	5153	42.01	18.91	0.45	5344	39.07	17.58	0.45	5609	38.68	17.41	0.45	5664	31.91	14.36	0.45	5878
	79	79	43.97	14.51	0.33	5176	42.69	14.09	0.33	5367	39.70	13.10	0.33	5631	39.30	12.97	0.33	5687	32.42	10.70	0.33	5900
	81	64	41.55	35.31	0.85	5144	40.34	34.29	0.85	5336	37.51	31.89	0.85	5603	37.14	31.57	0.85	5659	30.64	26.04	0.85	5875
	81	66	42.39	33.49	0.79	5154	41.16	32.52	0.79	5346	38.28	30.24	0.79	5613	37.90	29.94	0.79	5669	31.26	24.70	0.79	5885
	81	68	42.82	31.26	0.73	5169	41.57	30.35	0.73	5361	38.66	28.22	0.73	5628	38.27	27.94	0.73	5684	31.58	23.05	0.73	5900
	81	72	43.55	26.56	0.61	5186	42.28	25.79	0.61	5378	39.32	23.98	0.61	5645	38.93	23.74	0.61	5701	32.11	19.59	0.61	5917
	81	75	44.16	21.64	0.49	5206	42.87	21.01	0.49	5398	39.87	19.54	0.49	5665	39.47	19.34	0.49	5721	32.56	15.96	0.49	5937
	81	79	44.86	16.60	0.37	5229	43.56	16.12	0.37	5421	40.51	14.99	0.37	5688	40.10	14.84	0.37	5744	33.08	12.24	0.37	5960
	82	64	41.96	37.35	0.89	5195	40.74	36.26	0.89	5389	37.89	33.72	0.89	5659	37.51	33.38	0.89	5716	30.95	27.54	0.89	5934
	82	68	42.82	32.97	0.77	5220	41.57	32.01	0.77	5415	38.66	29.77	0.77	5685	38.27	29.47	0.77	5741	31.58	24.31	0.77	5959
	82	72	43.25	28.11	0.65	5237	41.99	27.29	0.65	5432	39.05	25.38	0.65	5702	38.66	25.13	0.65	5758	31.89	20.73	0.65	5976
	82	75	43.98	23.31	0.53	5258	42.70	22.63	0.53	5452	39.71	21.05	0.53	5722	39.31	20.84	0.53	5779	32.43	17.19	0.53	5996
	82	79	44.60	18.29	0.41	5281	43.30	17.75	0.41	5475	40.27	16.51	0.41	5745	39.87	16.34	0.41	5802	32.89	13.48	0.41	6019
	84	64	42.38	38.57	0.91	5247	41.15	37.44	0.91	5443	38.27	34.82	0.91	5716	37.88	34.47	0.91	5773	31.25	28.44	0.91	5993
	84	68	43.25	35.03	0.81	5272	41.99	34.01	0.81	5469	39.05	31.63	0.81	5741	38.66	31.31	0.81	5799	31.89	25.83	0.81	6018
	84	72	44.11	30.44	0.69	5290	42.83	29.55	0.69	5486	39.83	27.48	0.69	5759	39.43	27.21	0.69	5816	32.53	22.45	0.69	6036
	84	75	44.42	25.32	0.57	5310	43.13	24.58	0.57	5506	40.11	22.86	0.57	5779	39.71	22.63	0.57	5836	32.76	18.67	0.57	6056
	84	79	45.04	20.27	0.45	5334	43.73	19.68	0.45	5530	40.67	18.30	0.45	5803	40.26	18.12	0.45	5860	33.22	14.95	0.45	6080
	86	64	42.81	38.95	0.91	5299	41.56	37.82	0.91	5498	38.65	35.17	0.91	5773	38.26	34.82	0.91	5831	31.57	28.73	0.91	6053
	86	68	43.68	37.13	0.85	5325	42.41	36.05	0.85	5523	39.44	33.52	0.85	5799	39.04	33.19	0.85	5857	32.21	27.38	0.85	6079
	86	72	44.55	32.52	0.73	5343	43.26	31.58	0.73	5541	40.23	29.37	0.73	5816	39.83	29.07	0.73	5874	32.86	23.98	0.73	6096
	86	75	44.87	27.37	0.61	5363	43.56	26.57	0.61	5562	40.51	24.71	0.61	5837	40.11	24.46	0.61	5895	33.09	20.18	0.61	6117
	86	79	45.49	22.29	0.49	5387	44.17	21.64	0.49	5585	41.08	20.13	0.49	5861	40.67	19.93	0.49	5918	33.55	16.44	0.49	6140
	88	64	43.23	39.34	0.91	5352	41.97	38.20	0.91	5553	39.04	35.52	0.91	5831	38.65	35.17	0.91	5889	31.88	29.01	0.91	6113
	88	68	44.12	39.26	0.89	5378	42.83	38.12	0.89	5579	39.83	35.45	0.89	5857	39.43	35.10	0.89	5915	32.53	28.95	0.89	6139
	88	72	45.00	34.65	0.77	5396	43.69	33.64	0.77	5596	40.63	31.28	0.77	5875	40.22	30.97	0.77	5933	33.18	25.55	0.77	6157
	88	75	45.31	29.45	0.65	5417	43.99	28.60	0.65	5617	40.92	26.59	0.65	5895	40.51	26.33	0.65	5954	33.42	21.72	0.65	6178
	88	79	45.95	24.35	0.53	5441	44.61	23.64	0.53	5641	41.49	21.99	0.53	5919	41.07	21.77	0.53	5978	33.89	17.96	0.53	6202
	90	64	43.67	39.74	0.91	5406	42.39	38.58	0.91	5608	39.43	35.88	0.91	5889	39.03	35.52	0.91	5948	32.20	29.30	0.91	6175
	90	68	44.56	40.55	0.91	5432	43.26	39.37	0.91	5634	40.23	36.61	0.91	5915	39.83	36.24	0.91	5974	32.86	29.90	0.91	6201
	90	72	45.45	36.81	0.81	5450	44.12	35.74	0.81	5652	41.04	33.24	0.81	5933	40.63	32.91	0.81	5992	33.52	27.15	0.81	6219
	90	75	45.77	31.58	0.69	5471	44.43	30.66	0.69	5673	41.32	28.51	0.69	5954	40.91	28.23	0.69	6013	33.75	23.29	0.69	6240
	90	79	46.41	26.45	0.57	5495	45.06	25.68	0.57	5698	41.90	23.88	0.57	5978	41.48	23.65	0.57	6037	34.22	19.51	0.57	6264

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
90%	70	64	25.53	15.57	0.61	5570	22.72	13.86	0.61	5681	21.81	13.31	0.61	5738	20.72	12.64	0.61	5853
	70	68	26.58	13.03	0.49	5593	23.66	11.59	0.49	5705	22.71	11.13	0.49	5762	21.58	10.57	0.49	5877
	72	64	26.32	17.11	0.65	5626	23.42	15.23	0.65	5739	22.49	14.62	0.65	5796	21.36	13.89	0.65	5912
	72	68	27.12	14.38	0.53	5650	24.14	12.79	0.53	5763	23.18	12.28	0.53	5820	22.02	11.67	0.53	5936
	72	72	27.59	11.31	0.41	5666	24.55	10.07	0.41	5779	23.57	9.66	0.41	5836	22.39	9.18	0.41	5952
	73	64	26.86	18.53	0.69	5683	23.90	16.49	0.69	5797	22.95	15.83	0.69	5855	21.80	15.04	0.69	5972
	73	68	27.68	15.78	0.57	5707	24.63	14.04	0.57	5821	23.65	13.48	0.57	5879	22.47	12.81	0.57	5996
	73	72	28.15	12.67	0.45	5723	25.05	11.27	0.45	5837	24.05	10.82	0.45	5895	22.85	10.28	0.45	6012
	75	64	27.40	20.00	0.73	5740	24.39	17.80	0.73	5855	23.41	17.09	0.73	5914	22.24	16.24	0.73	6032
	75	68	28.24	17.23	0.61	5765	25.14	15.33	0.61	5880	24.13	14.72	0.61	5938	22.92	13.98	0.61	6057
	75	72	28.72	14.07	0.49	5781	25.56	12.53	0.49	5896	24.54	12.03	0.49	5955	23.31	11.42	0.49	6073
	75	75	29.13	10.78	0.37	5801	25.92	9.59	0.37	5916	24.88	9.21	0.37	5974	23.64	8.75	0.37	6093
	77	64	28.25	21.75	0.77	5798	25.14	19.36	0.77	5914	24.14	18.59	0.77	5974	22.93	17.66	0.77	6093
	77	68	29.12	18.93	0.65	5823	25.91	16.84	0.65	5939	24.88	16.17	0.65	5998	23.63	15.36	0.65	6118
	77	72	29.61	15.69	0.53	5840	26.35	13.97	0.53	5956	25.30	13.41	0.53	6015	24.04	12.74	0.53	6135
	77	75	30.03	12.31	0.41	5859	26.72	10.96	0.41	5975	25.65	10.52	0.41	6035	24.37	9.99	0.41	6154
	79	64	29.13	23.59	0.81	5857	25.92	21.00	0.81	5974	24.88	20.16	0.81	6034	23.64	19.15	0.81	6155
	79	68	30.02	20.71	0.69	5882	26.72	18.43	0.69	5999	25.65	17.70	0.69	6059	24.36	16.81	0.69	6180
	79	72	30.53	17.40	0.57	5898	27.17	15.49	0.57	6016	26.08	14.87	0.57	6076	24.78	14.12	0.57	6197
	79	75	30.95	13.93	0.45	5918	27.55	12.40	0.45	6036	26.45	11.90	0.45	6095	25.13	11.31	0.45	6216
	79	79	31.45	10.38	0.33	5941	27.99	9.24	0.33	6058	26.87	8.87	0.33	6118	25.53	8.42	0.33	6239
	81	64	29.72	25.26	0.85	5916	26.45	22.48	0.85	6035	25.39	21.58	0.85	6095	24.12	20.50	0.85	6217
	81	66	30.33	23.96	0.79	5926	26.99	21.32	0.79	6045	25.91	20.47	0.79	6105	24.62	19.45	0.79	6227
	81	68	30.63	22.36	0.73	5941	27.26	19.90	0.73	6060	26.17	19.10	0.73	6120	24.86	18.15	0.73	6242
	81	72	31.15	19.00	0.61	5958	27.72	16.91	0.61	6077	26.61	16.24	0.61	6137	25.28	15.42	0.61	6259
	81	75	31.59	15.48	0.49	5978	28.11	13.77	0.49	6097	26.99	13.22	0.49	6157	25.64	12.56	0.49	6279
	81	79	32.09	11.87	0.37	6001	28.56	10.57	0.37	6120	27.42	10.15	0.37	6180	26.05	9.64	0.37	6302
	82	64	30.02	26.72	0.89	5975	26.72	23.78	0.89	6095	25.65	22.83	0.89	6156	24.36	21.68	0.89	6279
	82	68	30.63	23.58	0.77	6000	27.26	20.99	0.77	6120	26.17	20.15	0.77	6181	24.86	19.14	0.77	6305
	82	72	30.94	20.11	0.65	6018	27.53	17.90	0.65	6137	26.43	17.18	0.65	6198	25.11	16.32	0.65	6322
	82	75	31.46	16.67	0.53	6038	28.00	14.84	0.53	6158	26.88	14.25	0.53	6219	25.54	13.53	0.53	6342
	82	79	31.90	13.08	0.41	6061	28.39	11.64	0.41	6181	27.26	11.18	0.41	6242	25.89	10.62	0.41	6365
	84	64	30.32	27.59	0.91	6035	26.98	24.55	0.91	6156	25.90	23.57	0.91	6218	24.61	22.39	0.91	6342
	84	68	30.94	25.06	0.81	6060	27.53	22.30	0.81	6181	26.43	21.41	0.81	6243	25.11	20.34	0.81	6368
	84	72	31.55	21.77	0.69	6078	28.08	19.38	0.69	6199	26.96	18.60	0.69	6260	25.61	17.67	0.69	6385
	84	75	31.78	18.11	0.57	6098	28.28	16.12	0.57	6219	27.15	15.48	0.57	6281	25.79	14.70	0.57	6405
	84	79	32.22	14.50	0.45	6122	28.68	12.90	0.45	6243	27.53	12.39	0.45	6304	26.15	11.77	0.45	6429
	86	64	30.62	27.86	0.91	6095	27.25	24.80	0.91	6217	26.16	23.81	0.91	6280	24.85	22.62	0.91	6406
	86	68	31.25	26.56	0.85	6121	27.81	23.64	0.85	6243	26.70	22.69	0.85	6305	25.36	21.56	0.85	6431
	86	72	31.87	23.27	0.73	6139	28.36	20.71	0.73	6261	27.23	19.88	0.73	6323	25.87	18.88	0.73	6449
	86	75	32.09	19.58	0.61	6159	28.56	17.42	0.61	6281	27.42	16.73	0.61	6344	26.05	15.89	0.61	6469
	86	79	32.54	15.95	0.49	6183	28.96	14.19	0.49	6305	27.81	13.62	0.49	6367	26.41	12.94	0.49	6493
	88	64	30.93	28.14	0.91	6156	27.52	25.05	0.91	6280	26.42	24.05	0.91	6343	25.10	22.84	0.91	6470
	88	68	31.56	28.09	0.89	6182	28.09	25.00	0.89	6306	26.96	24.00	0.89	6369	25.61	22.80	0.89	6496
	88	72	32.19	24.79	0.77	6200	28.65	22.06	0.77	6323	27.50	21.18	0.77	6386	26.13	20.12	0.77	6513
	88	75	32.42	21.07	0.65	6221	28.85	18.75	0.65	6344	27.70	18.00	0.65	6407	26.31	17.10	0.65	6534
	88	79	32.87	17.42	0.53	6245	29.25	15.50	0.53	6368	28.08	14.88	0.53	6431	26.68	14.14	0.53	6558
	90	64	31.24	28.42	0.91	6218	27.80	25.30	0.91	6342	26.69	24.29	0.91	6406	25.35	23.07	0.91	6534
	90	68	31.87	29.00	0.91	6244	28.37	25.81	0.91	6369	27.23	24.78	0.91	6432	25.87	23.54	0.91	6561
	90	72	32.51	26.33	0.81	6262	28.93	23.44	0.81	6387	27.78	22.50	0.81	6450	26.39	21.37	0.81	6578
	90	75	32.74	22.59	0.69	6283	29.14	20.11	0.69	6408	27.97	19.30	0.69	6471	26.57	18.34	0.69	6599
	90	79	33.20	18.92	0.57	6307	29.55	16.84	0.57	6432	28.36	16.17	0.57	6495	26.95	15.36	0.57	6624

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

			Cooling Operation PERFORMANCE DATA																																															
			OUTDOOR DB (°F)																																															
COMBINATION (%)	IDDB (°F)	ID WB (°F)	5				19				32				50				59				70				77				81				86				95				102				104				113			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	38.63	23.56	0.61	3858	38.24	23.33	0.61	3893	37.83	23.07	0.61	3929	37.34	22.78	0.61	3960	36.97	22.55	0.61	3980	36.57	22.31	0.61	4112	36.06	22.00	0.61	4293	35.43	21.61	0.61	4582	34.60	21.10	0.61	4794	33.59	20.49	0.61	4973	31.24	19.05	0.61	5222	30.93	18.86	0.61	5274	25.51	15.56	0.61	5475
	70	68	40.22	19.71	0.49	3882	39.82	19.51	0.49	3917	39.39	19.30	0.49	3952	38.88	19.05	0.49	3984	38.50	18.86	0.49	4004	38.08	18.66	0.49	4136	37.55	18.40	0.49	4316	36.89	18.07	0.49	4606	36.02	17.65	0.49	4817	34.97	17.14	0.49	4996	32.53	15.94	0.49	5246	32.20	15.78	0.49	5298	26.57	13.02	0.49	5499
	72	64	39.82	25.88	0.65	3897	39.43	25.63	0.65	3933	39.00	25.35	0.65	3968	38.50	25.02	0.65	4000	38.11	24.77	0.65	4021	37.70	24.51	0.65	4154	37.18	24.17	0.65	4336	36.52	23.74	0.65	4628	35.67	23.18	0.65	4842	34.63	22.51	0.65	5023	32.20	20.93	0.65	5275	31.88	20.72	0.65	5328	26.30	17.10	0.65	5530
	72	68	41.04	21.75	0.53	3921	40.63	21.54	0.53	3956	40.19	21.30	0.53	3992	39.67	21.03	0.53	4024	39.28	20.82	0.53	4044	38.85	20.59	0.53	4178	38.32	20.31	0.53	4360	37.64	19.95	0.53	4652	36.76	19.48	0.53	4866	35.69	18.91	0.53	5047	33.19	17.59	0.53	5299	32.86	17.41	0.53	5351	27.11	14.37	0.53	5554
	72	72	41.74	17.11	0.41	3937	41.32	16.94	0.41	3972	40.87	16.76	0.41	4008	40.35	16.54	0.41	4040	39.95	16.38	0.41	4060	39.51	16.20	0.41	4194	38.97	15.98	0.41	4376	38.28	15.69	0.41	4668	37.38	15.33	0.41	4882	36.29	14.88	0.41	5063	33.75	13.84	0.41	5315	33.42	13.70	0.41	5368	27.57	11.30	0.41	5570
	73	64	40.63	28.04	0.69	3936	40.23	27.76	0.69	3972	39.79	27.46	0.69	4008	39.28	27.10	0.69	4041	38.89	26.84	0.69	4061	38.47	26.54	0.69	4196	37.94	26.18	0.69	4380	37.27	25.71	0.69	4675	36.39	25.11	0.69	4891	35.33	24.38	0.69	5074	32.86	22.67	0.69	5328	32.53	22.45	0.69	5381	26.84	18.52	0.69	5586
	73	68	41.88	23.87	0.57	3960	41.46	23.63	0.57	3996	41.01	23.38	0.57	4032	40.48	23.08	0.57	4065	40.08	22.85	0.57	4085	39.65	22.60	0.57	4220	39.10	22.29	0.57	4404	38.41	21.89	0.57	4699	37.51	21.38	0.57	4915	36.42	20.76	0.57	5098	33.87	19.30	0.57	5352	33.53	19.11	0.57	5405	27.66	15.77	0.57	5610
	73	72	42.59	19.16	0.45	3977	42.17	18.97	0.45	4013	41.71	18.77	0.45	4049	41.17	18.53	0.45	4081	40.76	18.34	0.45	4102	40.32	18.14	0.45	4236	39.76	17.89	0.45	4420	39.06	17.58	0.45	4716	38.15	17.17	0.45	4931	37.03	16.67	0.45	5114	34.44	15.50	0.45	5368	34.10	15.34	0.45	5422	28.13	12.66	0.45	5627
	75	64	41.46	30.27	0.73	3976	41.05	29.97	0.73	4012	40.60	29.64	0.73	4049	40.08	29.26	0.73	4082	39.69	28.97	0.73	4102	39.25	28.66	0.73	4238	38.71	28.26	0.73	4424	38.03	27.76	0.73	4722	37.14	27.11	0.73	4940	36.06	26.32	0.73	5125	33.53	24.48	0.73	5382	33.20	24.23	0.73	5436	27.39	19.99	0.73	5643
	75	68	42.73	26.07	0.61	4000	42.31	25.81	0.61	4037	41.85	25.53	0.61	4073	41.31	25.20	0.61	4106	40.90	24.95	0.61	4126	40.46	24.68	0.61	4262	39.90	24.34	0.61	4449	39.19	23.91	0.61	4747	38.27	23.35	0.61	4965	37.16	22.67	0.61	5149	34.56	21.08	0.61	5406	34.21	20.87	0.61	5460	28.23	17.22	0.61	5667
	75	72	43.46	21.29	0.49	4017	43.03	21.08	0.49	4053	42.56	20.85	0.49	4090	42.01	20.59	0.49	4122	41.60	20.38	0.49	4143	41.14	20.16	0.49	4279	40.58	19.88	0.49	4465	39.86	19.53	0.49	4763	38.92	19.07	0.49	4981	37.79	18.52	0.49	5166	35.15	17.22	0.49	5423	34.79	17.05	0.49	5477	28.70	14.07	0.49	5683
	75	75	44.07	16.30	0.37	4036	43.63	16.14	0.37	4073	43.15	15.97	0.37	4109	42.60	15.76	0.37	4142	42.18	15.61	0.37	4162	41.72	15.44	0.37	4298	41.14	15.22	0.37	4484	40.42	14.95	0.37	4783	39.47	14.60	0.37	5000	38.32	14.18	0.37	5185	35.64	13.19	0.37	5442	35.28	13.05	0.37	5496	29.11	10.77	0.37	5703
	77	64	42.74	32.91	0.77	4016	42.32	32.59	0.77	4053	41.86	32.23	0.77	4090	41.32	31.82	0.77	4123	40.91	31.50	0.77	4144	40.47	31.16	0.77	4281	39.91	30.73	0.77	4469	39.20	30.19	0.77	4770	38.29	29.48	0.77	4990	37.17	28.62	0.77	5177	34.57	26.62	0.77	5436	34.22	26.35	0.77	5491	28.23	21.74	0.77	5700
	77	68	44.05	28.63	0.65	4041	43.62	28.35	0.65	4077	43.14	28.04	0.65	4114	42.59	27.68	0.65	4147	42.17	27.41	0.65	4168	41.71	27.11	0.65	4305	41.13	26.74	0.65	4494	40.40	26.26	0.65	4795	39.46	25.65	0.65	5015	38.31	24.90	0.65	5201	35.63	23.16	0.65	5461	35.27	22.93	0.65	5515	29.10	18.91	0.65	5724
	77	72	44.80	23.74	0.53	4057	44.36	23.51	0.53	4094	43.88	23.25	0.53	4131	43.31	22.96	0.53	4164	42.88	22.73	0.53	4185	42.42	22.48	0.53	4322	41.83	22.17	0.53	4510	41.09	21.78	0.53	4811	40.13	21.27	0.53	5031	38.96	20.65	0.53	5218	36.23	19.20	0.53	5477	35.87	19.01	0.53	5532	29.59	15.68	0.53	5741
	77	75	45.43	18.63	0.41	4077	44.98	18.44	0.41	4114	44.49	18.24	0.41	4151	43.92	18.01	0.41	4184	43.48	17.83	0.41	4204	43.01	17.63	0.41	4342	42.42	17.39	0.41	4530	41.67	17.08	0.41	4831	40.69	16.68	0.41	5051	39.50	16.20	0.41	5238	36.74	15.06	0.41	5497	36.37	14.91	0.41	5551	30.01	12.30	0.41	5760
	79	64	44.07	35.69	0.81	4057	43.63	35.34	0.81	4094	43.15	34.96	0.81	4131	42.60	34.51	0.81	4164	42.18	34.17	0.81	4185	41.72	33.79	0.81	4324	41.14	33.33	0.81	4514	40.42	32.74	0.81	4818	39.47	31.97	0.81	5041	38.32	31.04	0.81	5229	35.64	28.87	0.81	5491	35.28	28.58	0.81	5546	29.11	23.58	0.81	5757
	79	68	45.41	31.34	0.69	4082	44.97	31.03	0.69	4119	44.48	30.69	0.69	4156	43.91	30.29	0.69	4189	43.47	29.99	0.69	4210	43.00	29.67	0.69	4349	42.40	29.26	0.69	4539	41.65	28.74	0.69	4843	40.68	28.07	0.69	5065	39.49	27.25	0.69	5254	36.73	25.34	0.69	5516	36.36	25.09	0.69	5571	30.00	20.70	0.69	5782
	79	72	46.19	26.33	0.57	4098	45.73	26.07	0.57	4135	45.23	25.78	0.57	4173	44.65	25.45	0.57	4206	44.21	25.20	0.57	4227	43.73	24.93	0.57	4366	43.12	24.58	0.57	4556	42.36	24.15	0.57	4860	41.37	23.58	0.57	5082	40.16	22.89	0.57	5271	37.35	21.29	0.57	5533	36.98	21.08	0.57	5588	30.51	17.39	0.57	5799
	79	75	46.83	21.08	0.45	4118	46.37	20.87	0.45	4155	45.87	20.64	0.45	4192	45.28	20.37	0.45	4226	44.83	20.17	0.45	4247	44.34	19.95	0.45	4386	43.73	19.68	0.45	4576	42.96	19.33	0.45	4880	41.95	18.88	0.45	5102	40.73	18.33	0.45	5291	37.88	17.04	0.45	5553	37.50	16.87	0.45	5608	30.94	13.92	0.45	5819
	79	79	47.58	15.70	0.33	4141	47.11	15.55	0.33	4178	46.60	15.38	0.33	4215	46.00	15.18	0.33	4249	45.55	15.03	0.33	4270	45.05	14.87	0.33	4408	44.43	14.66	0.33	4598	43.64	14.40	0.33	4903	42.62	14.06	0.33	5125	41.38	13.65	0.33	5313	38.48	12.70	0.33	5575	38.10	12.57	0.33	5630	31.43	10.37	0.33	5841
	81	64	44.97	38.22	0.85	4098	44.52	37.84	0.85	4135	44.04	37.43	0.85	4173	43.47	36.95	0.85	4207	43.04	36.58	0.85	4228	42.57	36.19	0.85	4368	41.98	35.69	0.85	4560	41.24	35.06	0.85	4867	40.28	34.23	0.85	5091	39.10	33.24	0.85	5282	36.36	30.91	0.85	5547	36.00	30.60	0.85	5602	29.70	25.25	0.85	5815
	81	66	45.88	36.25	0.79	4108	45.43	35.89	0.79	4145	44.93	35.50	0.79	4183	44.36	35.04	0.79	4217	43.92	34.70	0.79	4238	43.44	34.32	0.79	4378	42.84	33.84	0.79	4570	42.08	33.25	0.79	4877	41.10	32.47	0.79	5101	39.90	31.52	0.79	5292	37.11	29.31	0.79	5557	36.74	29.02	0.79	5612	30.31	23.94	0.79	5825
	81	68	46.34	33.83	0.73	4123	45.88	33.49	0.73	4160	45.38	33.13	0.73	4198	44.80	32.70	0.73	4232	44.36	32.38	0.73	4253	43.88	32.03	0.73	4393	43.27	31.59	0.73	4585	42.50	31.03	0.73	4892	41.51	30.30	0.73	5116	40.30	29.42	0.73	5307	37.48	27.36	0.73	5572	37.10	27.09	0.73	5627	30.61	22.35	0.73	5840
	81	72	47.13	28.75	0.61	4140	46.66	28.46	0.61	4177	46.16	28.15	0.61	4215	45.56	27.79	0.61	4249	45.11	27.52	0.61	4270	44.62	27.22	0.61	4410	44.00	26.84	0.61	4602	43.23	26.37	0.61	4909	42.21	25.75	0.61	5133	40.98	25.00	0.61	5324	38.12	23.25	0.61	5589	37.73	23.02	0.61	5644	31.13	18.99	0.61	5857
	81	75	47.79	23.42	0.49	4160	47.32	23.18	0.49	4197	46.80	22.93	0.49	4235	46.20	22.64	0.49	4269	45.74	22.41	0.49	4290	45.25	22.17	0.49	4430	44.62	21.86	0.49	4622	43.83	21.48	0.49	4929	42.80	20.97	0.49	5153	41.56	20.36	0.49	5344	38.65	18.94	0.49	5609	38.26	18.75	0.49	5664	31.57	15.47	0.49	5877
	81	79	48.55	17.96	0.37	4183	48.07	17.79	0.37	4220	47.55	17.59	0.37	4258	46.94	17.37	0.37	4292	46.48	17.20	0.37	4313	45.97	17.01	0.37	4453	45.33	16.77	0.37	4645	44.53	16.48	0.37	4952	43.49	16.09	0.37	5176	42.22	15.62	0.37	5367	39.27	14.53	0.37	5632	38.87	14.38	0.37	5687	32.07	11.87	0.37	5900
	82	64	45.41	40.42	0.89	4139	44.97	40.02	0.89	4177	44.48	39.58	0.89	4215	43.91	39.08	0.89	4249	43.47	38.69	0.89	4270	43.00	38.27	0.89	4412	42.40	37.74	0.89	4605	41.65	37.07	0.89	4916	40.68	36.20	0.89	5142	39.49	35.15	0.89	5335	36.73	32.69	0.89	5602	36.36	32.36	0.89	5658	30.00	26.70	0.89	5874
	82	68	46.34	35.68	0.77	4164	45.88	35.33	0.77	4202	45.38	34.95	0.77	4240	44.80	34.50	0.77	4274	44.36	34.16	0.77	4295	43.88	33.78	0.77	4437	43.27	33.32	0.77	4631	42.50	32.73	0.77	4941	41.51	31.96	0.77	5168	40.30	31.03	0.77	5360	37.48	28.86	0.77	5627	37.10	28.57	0.77	5683	30.61	23.57	0.77	5899
	82	72	46.81	30.42	0.65	4181	46.34	30.12	0.65	4219	45.84	29.79	0.65	4257	45.25	29.41	0.65	4291	44.80	29.12	0.65	4312	44.31	28.80	0.65	4454	43.70	28.41	0.65	4648	42.93	27.90	0.65	4958	41.92	27.25	0.65	5185	40.70	26.46	0.65	5377	37.85	24.60	0.65	5644	37.47	24.36	0.65	5701	30.92	20.10	0.65	5916
	82	75	47.60	25.23	0.53	4201	47.13	24.98	0.53	4239	46.62	24.71	0.53	4277	46.02	24.39	0.53	4311	45.56	24.15	0.53	4333	45.07	23.89	0.53	4474	44.44	23.56	0.53	4668	43.66	23.14	0.53	4978	42.64	22.60	0.53	5205	41.39	21.94	0.53	5397	38.50	20.40	0.53	5665	38.11	20.20	0.53	5721	31.44	16.66	0.53	5936
	82	79	48.27	19.79	0.41	4225	47.79	19.59	0.41	4262	47.27	19.38	0.41	4300	46.66	19.13	0.41	4334	46.20	18.94	0.41	4356	45.70	18.74	0.41	4497	45.07	18.48	0.41	4691	44.27	18.15	0.41	5002	43.23	17.73	0.41	5228	41.97	17.21	0.41	5421	39.04	16.00	0.41	5688	38.64	15.84	0.41	5744	31.88	13.07	0.41	5959
	84	64	45.87	41.74	0.91	4180	45.41	41.33	0.91	4218	44.92	40.88	0.91	4257	44.34	40.35	0.91	4291	43.91	39.95	0.91	4313	43.43	39.52	0.91	4456	42.83	38.97	0.91	4651	42.07	38.28	0.91	4965	41.08	37.39	0.91	5194	39.89	36.30	0.91	5388	37.10	33.76	0.91	5658	36.72	33.42	0.91	5715	30.30	27.57	0.91	5932
	84	68	46.81	37.91	0.81	4206	46.34	37.54	0.81	4244	45.84	37.13	0.81	4282	45.25	36.65	0.81	4317	44.80	36.29	0.81	4338	44.31	35.89	0.81	4481	43.70	35.40	0.81	4677	42.93	34.77	0.81	4990	41.92	33.96	0.81	5219	40.70	32.97	0.81	5414	37.85	30.66	0.81	5684	37.47	30.35	0.81	5740	30.92	25.04	0.81	5958
	84	72	47.74	32.94	0.69	4223	47.27	32.62	0.69	4261	46.75	32.26	0.69	4300	46.15	31.85	0.69	4334	45.70	31.53	0.69	4356	45.20	31.19	0.69	4498	44.58	30.76	0.69	4694	43.79	30.21	0.69	5008	42.76	29.51	0.69	5237	41.52	28.65	0.69	5431	38.61	26.64	0.69	5701	38.22	26.37	0.69	5758	31.53	21.76	0.69	5975
	84	75	48.08	27.40	0.57	4243	47.60	27.13	0.57	4282	47.08	26.84	0.57	4320	46.48	26.49	0.57	4354	46.02	26.23	0.57	4376	45.52	25.95	0.57	4519	44.89	25.59	0.57	4715	44.10	25.13	0.57	5028	43.06	24.55	0.57	5257	41.81	23.83	0.57	5451	38.88	22.16	0.57	5721	38.49	21.94	0.57	5778	31.76	18.10	0.57	5996
	84	79	48.75	21.94	0.45	4267	48.27	21.72	0.45	4305	47.74	21.48	0.45	4343	47.13	21.21	0.45	4378	46.66	21.00	0.45	4399	46.16	20.77	0.45	4542	45.52	20.48	0.45	4738	44.71	20.12	0.45	5052	43.66	19.65	0.45	5281	42.39	19.08	0.45	5475	39.43	17.74	0.45	5745	39.03	17.56	0.45	5801	32.20	14.49	0.45	6019
	86	64	46.33	42.16	0.91	4222	45.87	41.74	0.91	4260	45.37	41.29	0.91	4299	44.79	40.76	0.91	4334	44.34	40.35	0.91	4356	43.86	39.91	0.91	4500	43.26	39.36	0.91	4698	42.49	38.67	0.91	5014	41.50	37.76	0.91	5246	40.29	36.66	0.91	5442	37.47	34.09	0.91	5715	37.09	33.75	0.91	5772	30.60	27.85	0.91	5992
	86	68	47.27	40.18	0.85	4248	46.81	39.78	0.85	4286	46.30	39.35	0.85	4325	45.70	38.85	0.85	4360	45.25	38.46	0.85	4382	44.76	38.04	0.85	4526	44.14	37.52	0.85	4724	43.36	36.85	0.85	5040	42.34	35.99	0.85	5272	41.11	34.94	0.85	5468	38.23	32.50	0.85	5740	37.85	32.17	0.85	5798	31.23	26.54	0.85	6017
	86	72	48.22	35.20	0.73	4265	47.74	34.85	0.73	4304	47.22	34.47	0.73	4343	46.62	34.03	0.73	4377	46.15	33.69	0.73	4399	45.65	33.33	0.73	4543	45.02	32.87	0.73	4741	44.23	32.28	0.73	5058	43.19	31.53	0.73	5289	41.93	30.61	0.73	5485	39.00	28.47	0.73	5758	38.61	28.18	0.73	5815	31.85	23.25	0.73	6035
	86	75	48.56	29.62	0.61	4286	48.08	29.33	0.61	4324	47.55	29.01	0.61	4363	46.94	28.64	0.61	4398	46.48	28.35	0.61	4420	45.97	28.04	0.61	4564	45.34	27.66	0.61	4762	44.54	27.17	0.61	5078	43.49	26.53	0.61	5310	42.23	25.76	0.61	5506	39.27	23.95	0.61	5779	38.88	23.72	0.61	5836	32.07	19.57	0.61	6056
	86	79	49.24	24.13	0.49	4310	48.75	23.89	0.49	4348	48.22	23.63	0.49	4387	47.60	23.32	0.49	4422	47.13	23.09	0.49	4443	46.62	22.84	0.49	4588	45.97	22.53	0.49	4786	45.16	22.13	0.49	5102	44.10	21.61	0.49	5333	42.82	20.98	0.49	5530	39.82	19.51	0.49	5802	39.42	19.32	0.49	5859	32.52	15.94	0.49	6079
	88	64	46.79	42.58	0.91	4264	46.33	42.16	0.91	4303	45.82	41.70	0.91	4342	45.24	41.16	0.91	4377	44.79	40.76	0.91	4399	44.30	40.31	0.91	4545	43.69	39.76	0.91	4745	42.92	39.05	0.91	5065	41.91	38.14	0.91	5298	40.69	37.03	0.91	5496	37.84	34.44	0.91	5772	37.46	34.09	0.91	5830	30.91	28.13	0.91	6052
	88	68	47.75	42.49	0.89	4290	47.27	42.07	0.89	4329	46.76	41.62	0.89	4368	46.16	41.08	0.89	4403	45.70	40.67	0.89	4425	45.20	40.23	0.89	4571	44.58	39.68	0.89	4771	43.79	38.97	0.89	5091	42.77	38.06	0.89	5324	41.52	36.95	0.89	5522	38.61	34.37	0.89	5798	38.23	34.02	0.89	5856	31.54	28.07	0.89	6078
	88	72	48.70	37.50	0.77	4308	48.22	37.13	0.77	4347	47.69	36.72	0.77	4386	47.08	36.25	0.77	4421	46.62	35.89	0.77	4443	46.11	35.50	0.77	4589	45.47	35.01	0.77	4789	44.67	34.39	0.77	5108	43.62	33.59	0.77	5342	42.35	32.61	0.77	5540	39.39	30.33	0.77	5816	38.99	30.02	0.77	5873	32.17	24.77	0.77	6095
	88	75	49.04	31.88	0.65	4329	48.56	31.56	0.65	4368	48.03	31.22	0.65	4407	47.41	30.82	0.65	4442	46.94	30.51	0.65	4464	46.43	30.18	0.65	4610	45.79	29.76	0.65	4809	44.98	29.24	0.65	5129	43.93	28.55	0.65	5363	42.65	27.72	0.65	5561	39.66	25.78	0.65	5836	39.27	25.52	0.65	5894	32.39	21.06	0.65	6116
	88	79	49.73	26.36	0.53	4353	49.24	26.10	0.53	4392	48.70	25.81	0.53	4431	48.08	25.48	0.53	4466	47.60	25.23	0.53	4488	47.08	24.95	0.53	4634	46.43	24.61	0.53	4833	45.61	24.17	0.53	5153	44.54	23.61	0.53	5387	43.25	22.92	0.53	5585	40.22	21.32	0.53	5860	39.82	21.10	0.53	5918	32.85	17.41	0.53	6140
	90	64	47.26	43.01	0.91	4307	46.79	42.58	0.91	4346	46.28	42.12	0.91	4386	45.69	41.58	0.91	4421	45.24	41.16	0.91	4443	44.74	40.72	0.91	4591	44.13	40.15	0.91	4792	43.35	39.44	0.91	5115	42.33	38.52	0.91	5351	41.10	37.40	0.91	5551	38.22	34.78	0.91	5830	37.84	34.43	0.91	5888	31.22	28.41	0.91	6112
	90	68	48.22	43.88	0.91	4333	47.75	43.45	0.91	4372	47.23	42.98	0.91	4412	46.62	42.42	0.91	4447	46.16	42.00	0.91	4470	45.66	41.55	0.91	4617	45.03	40.97	0.91	4819	44.23	40.25	0.91	5142	43.19	39.31	0.91	5377	41.94	38.16	0.91	5578	39.00	35.49	0.91	5856	38.61	35.13	0.91	5914	31.85	28.99	0.91	6138
	90	72	49.19	39.84	0.81	4351	48.70	39.45	0.81	4390	48.17	39.02	0.81	4430	47.55	38.52	0.81	4465	47.08	38.14	0.81	4488	46.57	37.72	0.81	4635	45.93	37.20	0.81	4837	45.11	36.54	0.81	5159	44.06	35.69	0.81	5395	42.77	34.65	0.81	5596	39.78	32.22	0.81	5874	39.38	31.90	0.81	5932	32.49	26.32	0.81	6156
	90	75	49.53	34.18	0.69	4372	49.04	33.84	0.69	4411	48.51	33.47	0.69	4451	47.89	33.04	0.69	4486	47.41	32.71	0.69	4509	46.90	32.36	0.69	4656	46.25	31.91	0.69	4858	45.43	31.35	0.69	5180	44.37	30.61	0.69	5416	43.07	29.72	0.69	5617	40.06	27.64	0.69	5895	39.66	27.36	0.69	5953	32.72	22.58	0.69	6177
	90	79	50.23	28.63	0.57	4396	49.73	28.35	0.57	4435	49.19	28.04	0.57	4475	48.56	27.68	0.57	4510	48.08	27.40	0.57	4533	47.55	27.11	0.57	4680	46.90	26.73	0.57	4882	46.07	26.26	0.57	5205	44.99	25.64	0.57	5441	43.68	24.90	0.57	5641	40.62	23.15	0.57	5919	40.21	22.92	0.57	5977	33.18	18.91	0.57	6201

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Cooling up to 5 indoor units series)

	Cooling Operation PERFORMANCE DATA																	
	OUTDOOR DB (°F)																	
COMBINATION (%)	IDDB (°F)	IDWB (°F)	115				120				122				126			
			Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT	Q	SHC	SHF	IPT
80%	70	64	24.75	15.10	0.61	5514	22.03	13.44	0.61	5624	21.14	12.90	0.61	5680	20.09	12.25	0.61	5794
	70	68	25.77	12.63	0.49	5537	22.93	11.24	0.49	5647	22.02	10.79	0.49	5704	20.92	10.25	0.49	5818
	72	64	25.51	16.58	0.65	5569	22.71	14.76	0.65	5681	21.80	14.17	0.65	5738	20.71	13.46	0.65	5853
	72	68	26.29	13.94	0.53	5593	23.40	12.40	0.53	5705	22.47	11.91	0.53	5761	21.34	11.31	0.53	5876
	72	72	26.74	10.96	0.41	5609	23.80	9.76	0.41	5721	22.85	9.37	0.41	5778	21.71	8.90	0.41	5893
	73	64	26.03	17.96	0.69	5625	23.17	15.99	0.69	5738	22.24	15.35	0.69	5796	21.13	14.58	0.69	5912
	73	68	26.83	15.29	0.57	5649	23.88	13.61	0.57	5762	22.92	13.07	0.57	5820	21.78	12.41	0.57	5936
	73	72	27.29	12.28	0.45	5666	24.29	10.93	0.45	5778	23.31	10.49	0.45	5836	22.15	9.97	0.45	5952
	75	64	26.57	19.39	0.73	5682	23.64	17.26	0.73	5796	22.70	16.57	0.73	5854	21.56	15.74	0.73	5971
	75	68	27.38	16.70	0.61	5707	24.37	14.86	0.61	5820	23.39	14.27	0.61	5878	22.22	13.56	0.61	5996
	75	72	27.84	13.64	0.49	5723	24.78	12.14	0.49	5837	23.79	11.66	0.49	5895	22.60	11.07	0.49	6012
	75	75	28.23	10.45	0.37	5742	25.13	9.30	0.37	5856	24.12	8.93	0.37	5914	22.92	8.48	0.37	6032
	77	64	27.39	21.09	0.77	5740	24.37	18.77	0.77	5855	23.40	18.02	0.77	5913	22.23	17.12	0.77	6032
	77	68	28.23	18.35	0.65	5764	25.12	16.33	0.65	5879	24.12	15.68	0.65	5938	22.91	14.89	0.65	6056
	77	72	28.70	15.21	0.53	5781	25.55	13.54	0.53	5896	24.53	13.00	0.53	5954	23.30	12.35	0.53	6073
	77	75	29.11	11.93	0.41	5800	25.91	10.62	0.41	5915	24.87	10.20	0.41	5974	23.63	9.69	0.41	6093
	79	64	28.23	22.87	0.81	5798	25.13	20.35	0.81	5914	24.12	19.54	0.81	5973	22.92	18.56	0.81	6093
	79	68	29.10	20.08	0.69	5822	25.90	17.87	0.69	5939	24.86	17.15	0.69	5998	23.62	16.30	0.69	6117
	79	72	29.59	16.87	0.57	5839	26.34	15.01	0.57	5955	25.28	14.41	0.57	6015	24.02	13.69	0.57	6134
	79	75	30.01	13.50	0.45	5859	26.71	12.02	0.45	5975	25.64	11.54	0.45	6034	24.36	10.96	0.45	6154
	79	79	30.49	10.06	0.33	5882	27.13	8.95	0.33	5998	26.05	8.60	0.33	6057	24.75	8.17	0.33	6177
	81	64	28.81	24.49	0.85	5856	25.64	21.79	0.85	5974	24.62	20.92	0.85	6033	23.38	19.88	0.85	6154
	81	66	29.40	23.22	0.79	5866	26.16	20.67	0.79	5984	25.12	19.84	0.79	6043	23.86	18.85	0.79	6164
	81	68	29.69	21.68	0.73	5881	26.43	19.29	0.73	5999	25.37	18.52	0.73	6058	24.10	17.59	0.73	6179
	81	72	30.20	18.42	0.61	5898	26.88	16.39	0.61	6016	25.80	15.74	0.61	6075	24.51	14.95	0.61	6196
	81	75	30.62	15.00	0.49	5918	27.25	13.35	0.49	6036	26.16	12.82	0.49	6095	24.85	12.18	0.49	6216
	81	79	31.11	11.51	0.37	5941	27.69	10.24	0.37	6059	26.58	9.83	0.37	6118	25.25	9.34	0.37	6239
	82	64	29.10	25.90	0.89	5915	25.90	23.05	0.89	6033	24.86	22.13	0.89	6094	23.62	21.02	0.89	6216
	82	68	29.69	22.86	0.77	5940	26.43	20.35	0.77	6059	25.37	19.53	0.77	6119	24.10	18.56	0.77	6241
	82	72	29.99	19.49	0.65	5957	26.69	17.35	0.65	6076	25.62	16.65	0.65	6136	24.34	15.82	0.65	6258
	82	75	30.50	16.16	0.53	5977	27.14	14.39	0.53	6096	26.06	13.81	0.53	6156	24.76	13.12	0.53	6278
	82	79	30.93	12.68	0.41	6001	27.52	11.28	0.41	6119	26.42	10.83	0.41	6180	25.10	10.29	0.41	6302
	84	64	29.39	26.74	0.91	5974	26.16	23.80	0.91	6094	25.11	22.85	0.91	6155	23.85	21.71	0.91	6278
	84	68	29.99	24.29	0.81	5999	26.69	21.62	0.81	6119	25.62	20.75	0.81	6180	24.34	19.72	0.81	6303
	84	72	30.59	21.11	0.69	6017	27.22	18.78	0.69	6136	26.13	18.03	0.69	6197	24.83	17.13	0.69	6321
	84	75	30.80	17.56	0.57	6037	27.42	15.63	0.57	6157	26.32	15.00	0.57	6218	25.00	14.25	0.57	6341
	84	79	31.23	14.06	0.45	6061	27.80	12.51	0.45	6180	26.69	12.01	0.45	6241	25.35	11.41	0.45	6365
	86	64	29.68	27.01	0.91	6034	26.42	24.04	0.91	6155	25.36	23.08	0.91	6216	24.09	21.92	0.91	6341
	86	68	30.29	25.75	0.85	6059	26.96	22.91	0.85	6180	25.88	22.00	0.85	6242	24.58	20.90	0.85	6366
	86	72	30.89	22.55	0.73	6077	27.50	20.07	0.73	6198	26.40	19.27	0.73	6259	25.08	18.31	0.73	6384
	86	75	31.11	18.98	0.61	6098	27.69	16.89	0.61	6218	26.58	16.21	0.61	6280	25.25	15.40	0.61	6405
	86	79	31.55	15.46	0.49	6121	28.08	13.76	0.49	6242	26.95	13.21	0.49	6304	25.61	12.55	0.49	6428
	88	64	29.98	27.28	0.91	6094	26.68	24.28	0.91	6216	25.61	23.31	0.91	6278	24.33	22.14	0.91	6404
	88	68	30.59	27.23	0.89	6120	27.23	24.23	0.89	6242	26.14	23.26	0.89	6304	24.83	22.10	0.89	6430
	88	72	31.20	24.03	0.77	6138	27.77	21.38	0.77	6260	26.66	20.53	0.77	6322	25.33	19.50	0.77	6448
	88	75	31.42	20.42	0.65	6159	27.97	18.18	0.65	6281	26.85	17.45	0.65	6343	25.51	16.58	0.65	6469
	88	79	31.86	16.89	0.53	6182	28.36	15.03	0.53	6305	27.22	14.43	0.53	6367	25.86	13.71	0.53	6493
	90	64	30.28	27.55	0.91	6155	26.95	24.52	0.91	6278	25.87	23.54	0.91	6341	24.58	22.37	0.91	6468
	90	68	30.90	28.12	0.91	6181	27.50	25.02	0.91	6305	26.40	24.02	0.91	6367	25.08	22.82	0.91	6494
	90	72	31.52	25.53	0.81	6199	28.05	22.72	0.81	6322	26.93	21.81	0.81	6385	25.58	20.72	0.81	6512
	90	75	31.74	21.90	0.69	6220	28.25	19.49	0.69	6343	27.12	18.71	0.69	6406	25.76	17.77	0.69	6533
	90	79	32.18	18.34	0.57	6244	28.64	16.33	0.57	6368	27.50	15.67	0.57	6430	26.12	14.89	0.57	6557

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Heating up to 5 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	30.00	4594	34.51	5032	38.34	5296	41.67	5404	38.78	4776	43.09	4824	45.36	4873	49.84	4972
	61	29.65	4631	34.10	5072	37.88	5339	41.18	5448	38.32	4814	42.58	4863	44.82	4912	49.25	5012
	63	29.30	4668	33.69	5113	37.44	5382	40.69	5492	37.86	4853	42.07	4902	44.29	4951	48.67	5053
	64	28.95	4706	33.29	5154	36.99	5426	40.21	5536	37.42	4892	41.57	4941	43.76	4991	48.09	5093
	66	28.61	4744	32.90	5196	36.55	5469	39.73	5581	36.97	4932	41.08	4981	43.24	5032	47.52	5134
	68	28.32	4782	32.57	5238	36.19	5513	39.34	5626	36.61	4971	40.67	5021	42.81	5072	47.05	5176
	70	27.98	4835	32.18	5295	35.76	5574	38.87	5688	36.17	5026	40.19	5077	42.30	5128	46.48	5233
	72	27.65	4888	31.79	5354	35.33	5635	38.40	5750	35.73	5081	39.70	5133	41.79	5184	45.93	5290
	73	27.32	4942	31.41	5413	34.90	5697	37.94	5814	35.30	5137	39.23	5189	41.29	5241	45.37	5348
	75	26.99	4996	31.04	5472	34.48	5760	37.48	5878	34.88	5194	38.76	5246	40.80	5299	44.83	5407
	77	26.66	5051	30.66	5532	34.07	5823	37.03	5942	34.46	5251	38.29	5304	40.31	5357	44.29	5467
	79	26.34	5106	30.30	5593	33.66	5887	36.59	6008	34.05	5309	37.83	5362	39.82	5416	43.76	5527
	81	26.03	5163	29.93	5655	33.26	5952	36.15	6074	33.64	5367	37.38	5421	39.34	5476	43.24	5588
	82	25.72	5219	29.57	5717	32.86	6018	35.72	6141	33.24	5426	36.93	5481	38.87	5536	42.72	5649
	84	25.41	5277	29.22	5780	32.46	6084	35.29	6208	32.84	5486	36.49	5541	38.41	5597	42.20	5711
	86	25.10	5335	28.87	5843	32.08	6151	34.86	6276	32.44	5546	36.05	5602	37.95	5659	41.70	5774

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
130%	59	54.18	5234	55.56	5299	58.51	5495	61.43	5660	63.28	5773	65.18	5889
	61	53.53	5276	54.91	5341	57.82	5540	60.71	5706	62.53	5820	64.40	5936
	63	52.90	5318	54.25	5384	57.13	5584	59.99	5752	61.79	5867	63.64	5984
	64	52.27	5361	53.61	5428	56.45	5629	59.28	5798	61.05	5914	62.88	6033
	66	51.65	5405	52.98	5472	55.78	5675	58.57	5845	60.33	5962	62.14	6081
	68	51.14	5448	52.45	5516	55.23	5721	57.99	5892	59.73	6010	61.52	6130
	70	50.53	5508	51.82	5576	54.57	5783	57.30	5957	59.02	6076	60.79	6198
	72	49.92	5569	51.20	5638	53.91	5847	56.61	6023	58.31	6143	60.06	6266
	73	49.32	5630	50.59	5700	53.27	5911	55.93	6089	57.61	6211	59.34	6335
	75	48.73	5692	49.98	5762	52.63	5976	55.26	6156	56.92	6279	58.62	6404
	77	48.14	5754	49.38	5826	52.00	6042	54.60	6223	56.23	6348	57.92	6475
	79	47.57	5818	48.79	5890	51.37	6109	53.94	6292	55.56	6418	57.23	6546
	81	47.00	5882	48.20	5955	50.76	6176	53.29	6361	54.89	6488	56.54	6618
	82	46.43	5946	47.62	6020	50.15	6244	52.65	6431	54.23	6560	55.86	6691
	84	45.87	6012	47.05	6086	49.54	6312	52.02	6502	53.58	6632	55.19	6764
	86	45.32	6078	46.49	6153	48.95	6382	51.40	6573	52.94	6705	54.53	6839

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
120%	59	29.13	4375	33.50	4792	37.22	5044	40.46	5147	37.65	4548	41.83	4594	44.03	4641	48.39	4735
	61	28.79	4410	33.10	4831	36.78	5085	39.98	5189	37.20	4585	41.34	4631	43.51	4678	47.82	4773
	63	28.44	4446	32.71	4870	36.35	5126	39.51	5230	36.76	4622	40.85	4669	43.00	4716	47.25	4812
	64	28.11	4482	32.32	4909	35.91	5167	39.04	5273	36.33	4659	40.36	4706	42.49	4754	46.69	4851
	66	27.77	4518	31.94	4948	35.49	5209	38.57	5315	35.90	4697	39.88	4744	41.98	4792	46.13	4890
	68	27.50	4554	31.62	4988	35.14	5251	38.19	5358	35.54	4735	39.49	4782	41.57	4831	45.68	4929
	70	27.17	4604	31.24	5043	34.72	5309	37.73	5417	35.11	4787	39.01	4835	41.07	4884	45.13	4983
	72	26.84	4655	30.87	5099	34.30	5367	37.28	5477	34.69	4839	38.55	4888	40.58	4938	44.59	5038
	73	26.52	4706	30.50	5155	33.89	5426	36.83	5537	34.28	4893	38.08	4942	40.09	4992	44.05	5094
	75	26.20	4758	30.13	5211	33.48	5486	36.39	5598	33.86	4946	37.63	4996	39.61	5047	43.52	5150
	77	25.89	4810	29.77	5269	33.08	5546	35.96	5659	33.46	5001	37.18	5051	39.13	5102	43.00	5206
	79	25.58	4863	29.41	5327	32.68	5607	35.52	5722	33.06	5056	36.73	5107	38.66	5158	42.49	5264
	81	25.27	4917	29.06	5385	32.29	5669	35.10	5784	32.66	5111	36.29	5163	38.20	5215	41.98	5322
	82	24.97	4971	28.71	5445	31.90	5731	34.68	5848	32.27	5168	35.85	5220	37.74	5273	41.47	5380
	84	24.67	5026	28.37	5504	31.52	5794	34.26	5912	31.88	5224	35.42	5277	37.29	5331	40.98	5439
	86	24.37	5081	28.03	5565	31.14	5858	33.85	5977	31.50	5282	35.00	5335	36.84	5389	40.48	5499

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Heating up to 5 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
120%	59	52.60	4984	53.95	5046	56.81	5234	59.65	5391	61.43	5498	63.28	5608
	61	51.97	5025	53.31	5087	56.13	5276	58.94	5434	60.71	5543	62.53	5654
	63	51.36	5065	52.67	5128	55.47	5318	58.24	5478	59.99	5588	61.79	5699
	64	50.75	5106	52.05	5169	54.81	5361	57.55	5522	59.28	5633	61.05	5745
	66	50.15	5147	51.43	5211	54.16	5405	56.87	5567	58.57	5678	60.33	5792
	68	49.65	5189	50.92	5253	53.62	5448	56.30	5612	57.99	5724	59.73	5838
	70	49.05	5246	50.31	5311	52.98	5508	55.63	5673	57.30	5787	59.02	5903
	72	48.47	5303	49.71	5369	52.34	5569	54.96	5736	56.61	5850	58.31	5967
	73	47.88	5362	49.11	5428	51.71	5630	54.30	5799	55.93	5915	57.61	6033
	75	47.31	5421	48.52	5488	51.09	5692	53.65	5863	55.26	5980	56.92	6099
	77	46.74	5480	47.94	5548	50.48	5754	53.01	5927	54.60	6046	56.23	6167
	79	46.18	5541	47.36	5609	49.88	5818	52.37	5992	53.94	6112	55.56	6234
	81	45.63	5602	46.80	5671	49.28	5882	51.74	6058	53.29	6179	54.89	6303
	82	45.08	5663	46.24	5733	48.69	5946	51.12	6125	52.65	6247	54.23	6372
	84	44.54	5726	45.68	5797	48.10	6012	50.51	6192	52.02	6316	53.58	6442
	86	44.00	5789	45.13	5860	47.52	6078	49.90	6260	51.40	6386	52.94	6513

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
110%	59	28.28	4289	31.82	4554	35.35	4794	39.28	5046	36.55	4459	40.61	4504	42.75	4550	46.98	4642
	61	27.95	4324	31.44	4591	34.93	4833	38.82	5087	36.12	4495	40.13	4540	42.24	4586	46.42	4680
	63	27.62	4359	31.07	4628	34.52	4872	38.36	5128	35.69	4531	39.66	4577	41.74	4623	45.87	4718
	64	27.29	4394	30.70	4665	34.11	4911	37.90	5169	35.27	4568	39.19	4614	41.25	4660	45.33	4756
	66	26.96	4429	30.34	4703	33.71	4950	37.45	5211	34.85	4605	38.72	4651	40.76	4698	44.79	4794
	68	26.70	4465	30.03	4741	33.37	4990	37.08	5253	34.50	4642	38.34	4689	40.36	4736	44.35	4833
	70	26.38	4514	29.67	4793	32.97	5045	36.64	5311	34.09	4693	37.88	4740	39.87	4788	43.82	4886
	72	26.06	4564	29.32	4846	32.58	5101	36.20	5369	33.68	4744	37.42	4792	39.39	4841	43.29	4940
	73	25.75	4614	28.97	4899	32.18	5157	35.76	5428	33.28	4797	36.97	4845	38.92	4894	42.77	4994
	75	25.44	4665	28.62	4953	31.80	5214	35.33	5488	32.88	4849	36.53	4898	38.45	4948	42.26	5049
	77	25.13	4716	28.28	5007	31.42	5271	34.91	5548	32.48	4903	36.09	4952	37.99	5002	41.75	5104
	79	24.83	4768	27.94	5062	31.04	5329	34.49	5609	32.09	4957	35.66	5007	37.54	5057	41.25	5160
	81	24.53	4820	27.60	5118	30.67	5388	34.08	5671	31.71	5011	35.23	5062	37.09	5113	40.75	5217
	82	24.24	4873	27.27	5174	30.30	5447	33.67	5733	31.33	5066	34.81	5117	36.64	5169	40.26	5275
	84	23.95	4927	26.94	5231	29.94	5507	33.26	5797	30.95	5122	34.39	5174	36.20	5226	39.78	5333
	86	23.66	4981	26.62	5289	29.58	5567	32.86	5860	30.58	5178	33.98	5231	35.77	5283	39.30	5391

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	Q	INPUT	Q	INPUT	Q
110%	59	51.07	4887	52.37	4947	55.15	5131	57.91	5285	59.65	5391	61.43	5498
	61	50.46	4926	51.75	4987	54.50	5172	57.22	5328	58.94	5434	60.71	5543
	63	49.86	4966	51.14	5027	53.85	5214	56.54	5371	58.24	5478	59.99	5588
	64	49.27	5006	50.53	5068	53.21	5256	55.87	5414	57.55	5522	59.28	5633
	66	48.69	5046	49.93	5109	52.58	5299	55.21	5458	56.87	5567	58.57	5678
	68	48.20	5087	49.44	5150	52.06	5341	54.66	5502	56.30	5612	57.99	5724
	70	47.63	5143	48.85	5207	51.44	5400	54.01	5562	55.63	5673	57.30	5787
	72	47.05	5199	48.26	5264	50.82	5459	53.36	5623	54.96	5736	56.61	5850
	73	46.49	5257	47.68	5322	50.21	5520	52.72	5685	54.30	5799	55.93	5915
	75	45.93	5315	47.11	5380	49.61	5580	52.09	5748	53.65	5863	55.26	5980
	77	45.38	5373	46.54	5440	49.01	5642	51.46	5811	53.01	5927	54.60	6046
	79	44.84	5432	45.99	5499	48.42	5704	50.84	5875	52.37	5992	53.94	6112
	81	44.30	5492	45.43	5560	47.84	5766	50.23	5939	51.74	6058	53.29	6179
	82	43.77	5552	44.89	5621	47.27	5830	49.63	6005	51.12	6125	52.65	6247
	84	43.24	5613	44.35	5683	46.70	5894	49.04	6071	50.51	6192	52.02	6316
	86	42.72	5675	43.82	5745	46.14	5959	48.45	6138	49.90	6260	51.40	6386

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Heating up to 5 indoor units series)

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	27.46	4164	30.89	4422	34.32	4654	38.14	4899	35.49	4329	39.43	4373	41.51	4417	45.61	4507
	61	27.13	4198	30.52	4457	33.92	4692	37.68	4939	35.07	4364	38.96	4408	41.01	4453	45.07	4544
	63	26.81	4232	30.16	4493	33.51	4730	37.24	4979	34.65	4399	38.50	4444	40.53	4489	44.54	4580
	64	26.49	4266	29.81	4529	33.12	4768	36.80	5019	34.24	4435	38.05	4480	40.05	4525	44.01	4617
	66	26.18	4300	29.45	4566	32.72	4806	36.36	5059	33.83	4470	37.59	4516	39.57	4561	43.49	4654
	68	25.92	4335	29.16	4603	32.40	4845	36.00	5100	33.50	4507	37.22	4552	39.18	4598	43.06	4692
	70	25.61	4383	28.81	4653	32.01	4898	35.57	5156	33.10	4556	36.78	4602	38.71	4649	42.54	4743
	72	25.30	4431	28.46	4705	31.63	4952	35.14	5213	32.70	4606	36.33	4653	38.25	4700	42.03	4796
	73	25.00	4480	28.12	4756	31.25	5007	34.72	5270	32.31	4657	35.90	4704	37.79	4751	41.52	4848
	75	24.70	4529	27.79	4809	30.87	5062	34.30	5328	31.92	4708	35.47	4756	37.33	4804	41.03	4902
	77	24.40	4579	27.45	4862	30.50	5117	33.89	5387	31.54	4760	35.04	4808	36.89	4857	40.53	4956
	79	24.11	4629	27.12	4915	30.14	5174	33.48	5446	31.16	4812	34.62	4861	36.44	4910	40.05	5010
	81	23.82	4680	26.80	4969	29.77	5231	33.08	5506	30.79	4865	34.21	4914	36.01	4964	39.57	5065
	82	23.53	4731	26.48	5024	29.42	5288	32.69	5566	30.42	4919	33.80	4968	35.57	5019	39.09	5121
	84	23.25	4784	26.16	5079	29.06	5346	32.29	5628	30.05	4973	33.39	5023	35.15	5074	38.62	5177
	86	22.97	4836	25.84	5135	28.72	5405	31.91	5690	29.69	5028	32.99	5078	34.73	5130	38.16	5234

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
100%	59	49.58	4744	50.85	4803	53.54	4982	56.22	5131	57.91	5234	59.65	5338
	61	48.99	4783	50.25	4842	52.91	5022	55.55	5172	57.22	5276	58.94	5381
	63	48.41	4821	49.65	4881	52.28	5062	54.90	5214	56.54	5318	58.24	5425
	64	47.84	4860	49.06	4920	51.66	5103	54.25	5256	55.87	5361	57.55	5469
	66	47.27	4899	48.48	4960	51.05	5144	53.60	5299	55.21	5405	56.87	5513
	68	46.80	4939	48.00	5000	50.54	5186	53.07	5341	54.66	5448	56.30	5557
	70	46.24	4993	47.42	5055	49.94	5243	52.43	5400	54.01	5508	55.63	5618
	72	45.68	5048	46.85	5111	49.34	5300	51.81	5459	53.36	5569	54.96	5680
	73	45.14	5104	46.29	5167	48.75	5359	51.18	5520	52.72	5630	54.30	5743
	75	44.59	5160	45.74	5224	48.16	5418	50.57	5580	52.09	5692	53.65	5806
	77	44.06	5216	45.19	5281	47.58	5477	49.96	5642	51.46	5754	53.01	5870
	79	43.53	5274	44.65	5339	47.01	5538	49.36	5704	50.84	5818	52.37	5934
	81	43.01	5332	44.11	5398	46.45	5598	48.77	5766	50.23	5882	51.74	5999
	82	42.49	5391	43.58	5457	45.89	5660	48.19	5830	49.63	5946	51.12	6065
	84	41.98	5450	43.06	5517	45.34	5722	47.61	5894	49.04	6012	50.51	6132
	86	41.48	5510	42.54	5578	44.80	5785	47.04	5959	48.45	6078	49.90	6200

COMBINATION（%）	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	26.50	4089	29.81	4342	33.12	4570	36.80	4811	34.25	4251	38.05	4294	40.05	4338	44.02	4426
	61	26.18	4122	29.46	4377	32.73	4607	36.37	4850	33.84	4285	37.60	4329	39.58	4372	43.49	4462
	63	25.87	4156	29.11	4412	32.34	4645	35.93	4889	33.44	4320	37.15	4364	39.11	4408	42.98	4498
	64	25.57	4189	28.76	4448	31.96	4682	35.51	4928	33.04	4355	36.71	4399	38.65	4443	42.47	4534
	66	25.26	4223	28.42	4484	31.58	4720	35.09	4968	32.65	4390	36.28	4434	38.19	4479	41.96	4571
	68	25.01	4257	28.14	4520	31.27	4758	34.74	5008	32.33	4425	35.92	4470	37.81	4515	41.55	4607
	70	24.71	4304	27.80	4570	30.89	4810	34.32	5063	31.94	4474	35.49	4519	37.36	4565	41.05	4658
	72	24.42	4351	27.47	4620	30.52	4863	33.91	5119	31.56	4523	35.06	4569	36.91	4615	40.56	4709
	73	24.12	4399	27.14	4671	30.15	4917	33.50	5175	31.18	4573	34.64	4619	36.46	4666	40.07	4761
	75	23.83	4447	26.81	4722	29.79	4971	33.10	5232	30.80	4623	34.23	4670	36.03	4717	39.59	4814
	77	23.55	4496	26.49	4774	29.43	5025	32.71	5290	30.43	4674	33.82	4721	35.59	4769	39.12	4866
	79	23.27	4546	26.17	4827	29.08	5081	32.31	5348	30.07	4726	33.41	4773	35.17	4822	38.65	4920
	81	22.99	4596	25.86	4880	28.73	5136	31.92	5407	29.71	4778	33.01	4826	34.75	4875	38.18	4974
	82	22.71	4646	25.55	4933	28.39	5193	31.54	5466	29.35	4830	32.61	4879	34.33	4928	37.72	5029
	84	22.44	4697	25.24	4988	28.05	5250	31.16	5526	29.00	4883	32.22	4933	33.92	4982	37.27	5084
	86	22.17	4749	24.94	5042	27.71	5308	30.79	5587	28.65	4937	31.83	4987	33.51	5037	36.82	5140

SPECIFICATIONS

Capacities and Selection Data (Capacity Characteristics Charts) 42K (Heating up to 5 indoor units series)

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
90%	59	13.95	4659	14.31	4717	15.07	4892	15.82	5039	16.30	5139	16.79	5242
	61	13.79	4697	14.14	4755	14.89	4931	15.64	5079	16.11	5181	16.59	5285
	63	13.63	4734	13.97	4793	14.72	4971	15.45	5120	15.91	5223	16.39	5327
	64	13.46	4773	13.81	4832	14.54	5011	15.27	5162	15.73	5265	16.20	5370
	66	13.30	4811	13.65	4871	14.37	5052	15.09	5203	15.54	5307	16.01	5413
	68	13.17	4850	13.51	4910	14.23	5092	14.94	5245	15.39	5350	15.85	5457
	70	13.01	4903	13.35	4964	14.06	5148	14.76	5303	15.20	5409	15.66	5517
	72	12.86	4957	13.19	5019	13.89	5205	14.58	5361	15.02	5468	15.47	5578
	73	12.70	5012	13.03	5074	13.72	5262	14.41	5420	14.84	5529	15.28	5639
	75	12.55	5067	12.87	5130	13.56	5320	14.23	5480	14.66	5589	15.10	5701
	77	12.40	5123	12.72	5186	13.39	5379	14.06	5540	14.48	5651	14.92	5764
	79	12.25	5179	12.57	5243	13.23	5438	13.89	5601	14.31	5713	14.74	5827
	81	12.10	5236	12.42	5301	13.07	5498	13.73	5663	14.14	5776	14.56	5891
	82	11.96	5293	12.27	5359	12.92	5558	13.56	5725	13.97	5839	14.39	5956
	84	11.82	5352	12.12	5418	12.76	5619	13.40	5788	13.80	5904	14.22	6022
	86	11.67	5411	11.97	5478	12.61	5681	13.24	5852	13.64	5969	14.04	6088

COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)															
		-13		-5		0		5		14		17		23		32	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	7.50	4049	8.43	4299	9.37	4525	10.41	4763	9.69	4209	10.77	4251	11.33	4294	12.45	4382
	61	7.41	4081	8.33	4333	9.26	4561	10.29	4801	9.57	4243	10.64	4285	11.20	4329	12.31	4417
	63	7.32	4114	8.23	4368	9.15	4598	10.17	4840	9.46	4277	10.51	4320	11.06	4364	12.16	4453
	64	7.23	4147	8.14	4403	9.04	4635	10.05	4879	9.35	4311	10.39	4355	10.93	4399	12.01	4489
	66	7.15	4181	8.04	4439	8.93	4673	9.93	4918	9.24	4346	10.26	4390	10.80	4434	11.87	4525
	68	7.08	4214	7.96	4475	8.85	4710	9.83	4958	9.15	4381	10.16	4425	10.70	4470	11.75	4561
	70	6.99	4261	7.87	4524	8.74	4762	9.71	5013	9.04	4429	10.04	4474	10.57	4519	11.61	4612
	72	6.91	4308	7.77	4574	8.63	4814	9.59	5068	8.93	4478	9.92	4523	10.44	4569	11.47	4662
	73	6.82	4355	7.68	4624	8.53	4867	9.48	5124	8.82	4527	9.80	4573	10.32	4619	11.34	4714
	75	6.74	4403	7.59	4675	8.43	4921	9.37	5180	8.71	4577	9.68	4623	10.19	4670	11.20	4765
	77	6.66	4451	7.49	4726	8.33	4975	9.25	5237	8.61	4627	9.57	4674	10.07	4721	11.07	4818
	79	6.58	4500	7.40	4778	8.23	5030	9.14	5294	8.51	4678	9.45	4726	9.95	4773	10.93	4871
	81	6.50	4550	7.32	4831	8.13	5085	9.03	5353	8.40	4730	9.34	4778	9.83	4826	10.80	4924
	82	6.43	4600	7.23	4884	8.03	5141	8.92	5412	8.30	4782	9.23	4830	9.71	4879	10.67	4979
	84	6.35	4650	7.14	4938	7.93	5198	8.82	5471	8.20	4834	9.12	4883	9.60	4933	10.54	5033
	86	6.27	4702	7.06	4992	7.84	5255	8.71	5531	8.11	4888	9.01	4937	9.48	4987	10.42	5089

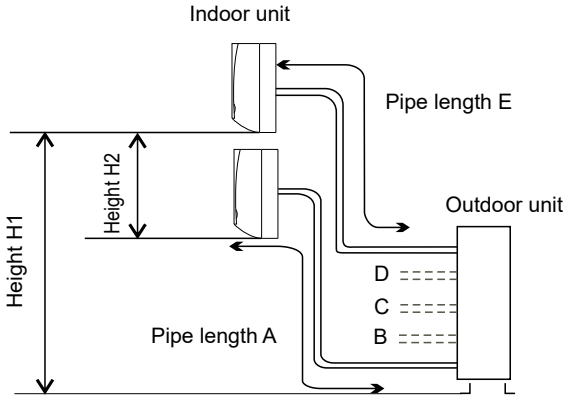
COMBINATION (%)	INDOOR DB(°F)	OUTDOOR WB(°F)											
		41		47		50		59		68		75	
		Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT	Q	INPUT
80%	59	13.54	4612	13.88	4670	14.62	4843	15.35	4988	15.81	5088	16.28	5190
	61	13.38	4650	13.72	4707	14.45	4882	15.17	5029	15.62	5129	16.09	5232
	63	13.22	4687	13.56	4745	14.27	4921	14.99	5069	15.44	5170	15.90	5274
	64	13.06	4725	13.39	4783	14.10	4961	14.81	5110	15.25	5212	15.71	5316
	66	12.90	4763	13.24	4822	13.94	5001	14.63	5151	15.07	5254	15.53	5359
	68	12.78	4801	13.10	4861	13.80	5041	14.49	5193	14.92	5297	15.37	5403
	70	12.62	4854	12.95	4914	13.63	5097	14.32	5250	14.74	5355	15.19	5462
	72	12.47	4908	12.79	4968	13.47	5153	14.14	5308	14.57	5414	15.00	5522
	73	12.32	4962	12.64	5023	13.31	5210	13.97	5366	14.39	5473	14.82	5583
	75	12.17	5016	12.49	5078	13.15	5267	13.81	5425	14.22	5533	14.65	5644
	77	12.03	5071	12.34	5134	12.99	5325	13.64	5485	14.05	5594	14.47	5706
	79	11.88	5127	12.19	5191	12.84	5383	13.48	5545	13.88	5656	14.30	5769
	81	11.74	5184	12.04	5248	12.68	5443	13.32	5606	13.71	5718	14.13	5832
	82	11.60	5241	11.90	5305	12.53	5503	13.16	5668	13.55	5781	13.96	5897
	84	11.46	5298	11.76	5364	12.38	5563	13.00	5730	13.39	5845	13.79	5961
	86	11.32	5356	11.61	5423	12.23	5624	12.84	5793	13.23	5909	13.62	6027

SPECIFICATIONS

Capacities and Selection Data (Piping Length Correction Factor)

The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. The shorter the refrigerant piping is, the better the performance will be.

The suggested shortest piping length to each indoor unit is 10ft (3m), in order to avoid noise and vibration from outdoor units.



Item \ Model		Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 5 indoor units
		18K	27K	36K	42K
Piping to each indoor unit (A/B/C/D/E)	[ft.(m)]	≤82(25)	≤82(25)	≤82(25)	≤82(25)
Total length of piping between all units	[ft.(m)]	A+B ≤164 (50)	A+B+C ≤230(70)	A+B+C+D≤ 230(70)	A+B+C+D+E ≤262(80)
Max height between indoor unit and outdoor unit (H1)	[ft.(m)]	≤49(15)			
Max height between indoor units (H2)	[ft.(m)]	≤25(7.5)			

Additional refrigerant charge

The unit has been filled with refrigerant, but if L (total pipe length) exceeds standard length, additional refrigerant (R454B) change is required.

For 18K: Additional refrigerant charge=[L-50ft (15m)]×0.16 oz/ft (15g/m)
For 27K: Additional refrigerant charge=[L-75ft (22.5m)]×0.16 oz/ft (15g/m)
For 36K: Additional refrigerant charge=[L-100ft (30m)]×0.16 oz/ft (15g/m)
For 42K: Additional refrigerant charge=[L-125ft (37.5m)]×0.16 oz/ft (15g/m)

The correction factor is based on the equivalent piping length in meters (EL) and the height between outdoor and indoor units in meters (H).

H: Height between indoor unit and outdoor unit (m).

- H>0: Position of outdoor unit is higher than position of indoor unit (m).
- H<0: Position of outdoor unit is lower than position of indoor unit (m).

L: Actual one-way piping length between indoor unit and outdoor unit (m).

EL: Equivalent one-way piping length between indoor unit and outdoor unit (m).

Equivalent length of 90° Elbow

Gas Diameter (mm/inch)	9.52 (3/8')	12.7 (1/2')	15.88 (5/8')	19.05 (3/4')
EL of 90° Elbow(m)	0.15	0.2	0.25	0.35

SPECIFICATIONS

Capacities and Selection Data (Piping Length Correction Factor)

Cooling

EL / Model	33ft. (10m)	49ft. (15m)	66ft. (20m)	82ft. (25m)	98ft. (30m)	115ft. (35m)	131ft. (40m)	148ft. (45m)	164ft. (50m)
18K/27K	1.0	0.96	0.95	0.93	0.91	0.89	0.87	0.86	0.84
36K/42K	1.0	0.96	0.95	0.93	0.91	0.89	0.87	0.86	0.84

EL / Model	181ft. (55m)	198ft. (60m)	214ft. (65m)	231ft. (70m)	247ft. (75m)	264ft. (80m)
27K/36K	0.82	0.80	0.78	0.77	/	/
42K	0.82	0.80	0.78	0.77	0.75	0.73

Heating

EL / Model	33ft. (10m)	49ft. (15m)	66ft. (20m)	82ft. (25m)	98ft. (30m)	115ft. (35m)	131ft. (40m)	148ft. (45m)	164ft. (50m)
18K/27K	1.0	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.87
36K/42K	1.0	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.87

EL / Model	181ft. (55m)	198ft. (60m)	214ft. (65m)	231ft. (70m)	247ft. (75m)	264ft. (80m)
27K/36K	0.86	0.85	0.83	0.82	/	/
42K	0.86	0.85	0.83	0.82	0.80	0.79

The correction factor of height between indoor unit and outdoor unit

Height difference	16ft. (5m)	33ft. (10m)	49ft. (15m)
Factor	1	0.95	0.88

To ensure correct unit selection, consider the farthest indoor unit.

NOTE:

1. Above data is assuming that the height difference between indoor unit and outdoor unit is 0m.
2. Be sure to minimize length of connection pipes to optimize performance. If the outdoor unit is installed higher or lower than the indoor unit, it is necessary to apply height correction factor additionally to length correction factor to calculate cooling/heating.
   If outdoor unit is higher, correction should be applied to cooling capacity, if outdoor unit is lower, correction should be applied to heating capacity.

SPECIFICATIONS

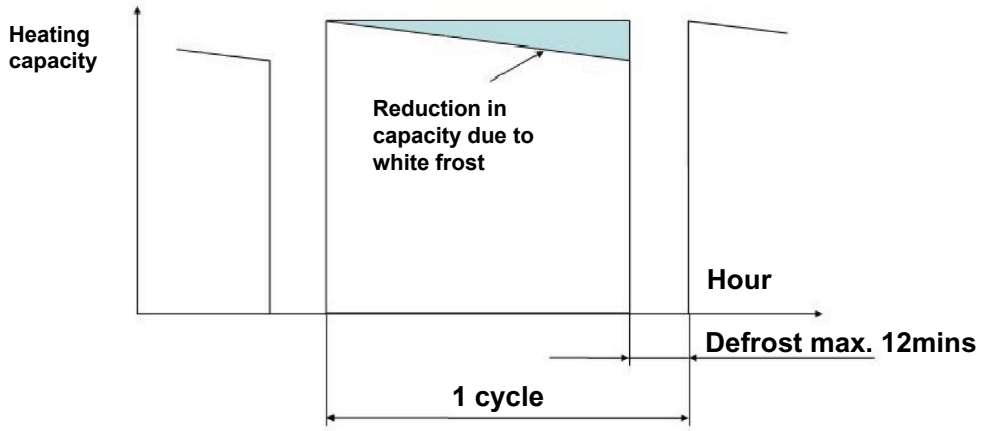
Capacities and Selection Data (Correction Factors According To Defrosting Operation)

The heating capacity in previous part, excludes the condition of defrosting operation period. In consideration of defrosting operation, the heating capacity is corrected by the equation below.

Corrected heating capacity = Defrost Correction factor x unit capacity

OUTDOOR TEMPERATURE [℉(℃)DB]	-13 (-25)	-4 (-20)	5 (-15)	14 (-10)	19.4 (-7)	23 (-5)	26.6 (-3)	32(0)	37.4 (3)	41 (5)	44.6 (7)
Correction factor (humidity rate 85% RH)	1	1	0.99	0.97	0.95	0.93	0.88	0.85	0.87	0.9	1

Correction Factor



NOTE:

The correction factor is not valid for special conditions such as snowfall or operation in a transitional period.

INSTALLATION

General

1. **This air conditioner uses new refrigerant HFO (R454B). R454B refrigerant is flammable.**
2. **Since the max. working pressure is less than 602psig (4.15MPa), some of the piping and installation and service tools are special.**
3. **This air conditioner uses power supply: 208/230V ~, 60Hz.**

Please read these SAFETY PRECAUTIONS carefully to ensure correct installation.

- Be sure to use a dedicated power circuit, and do not put other loads on the power supply.
- Be sure to read these SAFETY PRECAUTIONS carefully before installation.
- Be sure to comply with SAFETY PRECAUTIONS of installation manual, because it contains important safety issues. Definitions for identifying hazard levels are provide below with their respective safety symbols.

  ⚠ WARNING: Hazards or unsafe practices which COULD result in severe personal injury or death.

  ⚠ CAUTION: Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.
- Please carefully file indoor and outdoor unit manual away for future reference.

⚠WARNING

- Installation should be performed by a qualified personnel.
  Improper installation may cause water leakage, electrical shock or fire.
- Install the air conditioner on a solid base that can support the unit weight.
  An inadequate base or incomplete installation may cause injury if the unit falls off the base.
- Use the specified type of wire for electrical connections safely between the indoor and outdoor units.
  And firmly clamp the interconnecting wires so their terminals receive no external stresses.
- For wiring, use a cable long enough to cover the entire distance with no connection.
  And do not connect multiple devices to the same AC power supply.
  Otherwise, it may be due to bad contact, poor insulation, exceed the allowable current and cause a fire or electric shock.
- After all installation is completed, check to make sure that no refrigerant is leaking out.
  If the refrigerant gas leakage to the interior, and the heater, stove flame touching it, will generate harmful substances, possible ignition of refrigerant.
- Perform the installation securely referring to the installation manual.
  Incomplete installation could cause a personal injury due to fire, electric shock, the unit falling or leakage of water.
- In accordance with the installation instructions for electrical work, please be sure to use a dedicated circuit.
- If the power supply circuit capacity or electrical work is not in place, may cause a fire or electric shock.
- Attach the electrical cover to the indoor unit and the service panel to the outdoor unit securely.
- If the electrical covers on the indoor unit or the service panel of the outdoor unit are not attached securely, it could result in a fire or an electric shock due to dust water, etc.
- Please be sure to cut off the main power supply before the installation of indoor electronic PCB or wiring. Otherwise, it will cause electric shock. Circuits may stay energized as much as 5 mins after removing the power. Allow enough time for circuits to discharge before handling electrical parts.
- All wiring shall be in accordance with local and national codes.
- The outdoor unit installation location should pay attention to the protection, avoid people or other small animals contact with electrical components, please keep the outdoor unit of the surrounding environment clean and clear from obstructions.
- When installing or relocating the unit, make sure that no substance other than the specified refrigerant (R454B) enters the refrigerant circuit.
  Any presence of foreign substance such as air can cause abnormal pressure rise or an explosion.
- Assure that PARTIAL UNITS shall only be connected to an unit suitable for the same refrigerant.

INSTALLATION

General

⚠ CAUTION

- Equipment Grounding,
  Do not connect ground wires to household piping such as water gas or electrical. If ground is not present a new grounding rod must be installed.
- Do not install the unit in a place where an flammable gas leaks.
  If gas leaks and accumulates in the area surrounding the unit, it could cause an explosion.
- Fasten a flare nut with a torque wrench as specified in this manual.
  When fastened too tight, a flare nut may break after a long period and cause a leakage of refrigerant.
- Install an earth leakage breaker depending on the installation place(where it is humid).
  If an earth leakage breaker is not installed, it could cause an electric shock.
- Perform the drainage/piping work securely according to the installation manual.
- If there is a defect in the drainage/piping work, water could drop from the unit and household goods could be wet and damaged.
- These units are PARTIAL UNIT AIR CONDITIONERs, complying with PARTIAL UNIT requirements of this standard, and must only be connected to other units that have been confirmed as complying to corresponding PARTIAL UNIT requirements of this standard, UL 60335-2-40/CSA C22.2 No. 60335-2-40, or UL 1995/CSA C22.2 No 236.
- Assure the maximum operating pressure is considered when connecting to any indoor units.
- According to ASHRAE 15, these units can stop compressor working in 10s when receiving the signal from the Refrigerant detection systems in indoor units.
  Please verify and assure the validity during installation.

Safety instructions

- Do not let air enter the refrigeration system or discharge refrigerant when moving the air conditioner.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the appliance is fixed wiring, the appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring NEC codes and regulation.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Servicing shall only be performed as recommended by the equipment manufacturer.
- The method of connection of the appliance to the electrical supply and interconnection of separate components is detailed in below part. The wiring diagram with a clear indication of the connections and wiring to external control devices and supply cord is detailed in below part.
- In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- It is necessary to allow disconnection of the appliance from the supply after installation. The disconnection may be achieved by incorporating a switch in the fixed wiring in accordance with the wiring rules. During service and when replacing parts, be sure to disconnect the appliance from its power source. If the disconnection is not foreseen, a disconnection with a locking system in the isolated position shall be provided.
- The information of dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures is detailed in below part.
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- Instructions on addition charging of refrigerants are detailed in below part.

INSTALLATION

General

Precautions for using R454B refrigerant

The basic installation work procedures are the same as the conventional refrigerant (R22 or R410A). However, pay attention to the following points:

⚠ WARNING

1.Transport of equipment containing flammable refrigerants.

Attention is drawn to the fact that additional transportation regulations may exist with respect to equipment containing flammable gas. The maximum number of pieces of equipment or the configuration of the equipment, permitted to be transported together will be determined by the applicable transport regulations.

2. Marking of equipment using signs

Signs for similar appliances (containing flammable refrigerants) used in a work area generally are addressed by local regulations and give the minimum requirements for the provision of safety and/or health signs for a work location. All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs. The effectiveness of signs should not be diminished by too many signs being placed together. Any pictograms used should be as simple as possible and contain only essential details.

3.Disposal of equipment using flammable refrigerants

Compliance with national regulations

4.Storage of equipment/appliances

The storage of equipment should be in accordance with the manufacturer's instructions.

5.Storage of packed (unsold) equipment

- Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.
- The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.
- The storage temperature should not exceed 60℃, as the refrigerant leakage may occur above 60℃, which can cause danger.

6.Information on servicing

6-1 Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions should be complied with prior to conducting work on the system.

6-2 Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of flammable gas or vapour being present while the work is being performed.

6-3 General work area

- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.
- The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

6-4 Checking for presence of refrigerant

- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

6-5 Presence of fire extinguisher

- If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand.
- Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6-6 No ignition sources

- No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion.
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

6-7 Ventilated area

- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

6-8 Checks to the refrigeration equipment

- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.
- At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

INSTALLATION

General

⚠ WARNING

- The following checks shall be applied to installations using flammable refrigerants:
  - The charge amount is in accordance with the room size within which the refrigerant containing parts are installed; Refer to a chart.
  - The ventilation machinery and outlets are operating adequately and are not obstructed;
  - If an indirect refrigerating circuit is used, the secondary circuit shall be checked for the leak of refrigerant;
  - Marking of the equipment should be visible and legible. Illegal markings and signs hall be corrected;
  - Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

6-9 **Checks of electrical devices**

- Repair and maintenance of electrical components shall include initial safety checks and component inspection procedures.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- This shall be reported to the owner of the equipment so all parties are advised.
- Initial safety checks shall include:
- Capacitors should have adequate time to discharge before touching electrical parts . NO MANUAL DISCHARGING
- That there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

7. **Repairs of sealed components**
Sealed electrical components shall be replaced with OEM approved parts.

8. **Repairs of intrinsically safe components**
Intrinsically safe components must be replaced with OEM approved parts.

9. **Cabling**

- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.
- The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10. **Detection of flammable refrigerants**

- Under no circumstances shall potential sources of ignition be used in the searching or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used.

11. **Leak detection methods**

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants:

- Leak detector must be A2L compatible.
- Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (maximum 25%) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/ extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.
- Removal of refrigerant shall be according to EPA Sec. 608.

INSTALLATION

General

⚠ WARNING

12. **Removal and evacuation**
- When opening a refrigerant circuit into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used.
- However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.
- The following procedure shall be adhered to:
  - Safely recover the refrigerant. following local and national regulations;
  - Purge first then evacuate.
  - Purge the circuit with inert gas (optional for A2L);
  - Evacuate (optional for A2L);
  - Suggest cutting out the components and unbrazing when removed from the system.
  - Open the circuit.
- The refrigerant charge shall be recovered into the correct recovery cylinders.
- The system shall be “flushed” with dry nitrogen to render the unit safe.
- This process may need to be repeated for several times.
- Compressed air or oxygen shall not be used for this task.
- Flushing shall be achieved by breaking the vacuum in the system with Dry nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.
- Flushing shall be achieved by purging the Dry nitrogen through the refrigeration system from an entrance point to an exit point that will replace refrigerant, and oxygen trapped in the system. 3-5 minutes of purging is normal. Once repairs have been made a pressure test to 550 psi must be performed and must hold for 30 mins. Once pressure test is complete, release the nitrogen and evacuate the system to a 500 miron or below and should hold for 30 mins without raising. (triple evacuation will help with this process). Link to Porcess.

13. **Charging procedures**
- In addition to conventional charging procedures, the following requirements shall be followed:
  - Ensure that contamination of different refrigerants does not occur when using charging equipment.
  - Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
  - Cylinders shall be kept upright.
  - Ensure that the refrigeration system is grounded prior to charging the system with refrigerant.
  - Label the system when charging is complete (Indicate any added refrigerant and total charge and subsequent line set length).
  - Extreme care shall be taken not to overfill the refrigeration system.
  - Prior to recharging the system pressure shall be tested with Dry nitrogen.
- The system shall be leak tested on completion of charging but prior to commissioning.
- A follow up leak test shall be carried out prior to leaving the site.

14. **Decommissioning**

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail.

It is recommended that all refrigerants are recovered safely.

Prior to the task, an oil and refrigerant sample shall be taken in case that an analysis is required prior to the re-use of recovered refrigerant. It is essential that electrical power is available before the task.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:
- Mechanical handling equipment is available, if required, for handling refrigerant cylinders;
- All personal protective equipment is available and being used correctly;
- The recovery process is supervised at all times by a competent person;
- Recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

h) Do not overfill cylinders. (No more than 80 % volume liquid charge).

INSTALLATION

General

⚠ WARNING

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

15. **Labelling**

Equipment shall be labelled stating that it has been de-commissioned and empty of refrigerant.
The label shall be dated and signed.
For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANTS.

16. **Recovery**

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended that all refrigerant is removed safely.
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.
- Ensure that the correct number of cylinders for holding the total system charge is available.
- All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.
- Empty recovery cylinders are evacuated and, if possible, cooled before recovery.

17. **Competence of service personnel**

Information and training
The training should include the substance of the following:
Information about the explosion potential of flammable refrigerants to show that flammables may be dangerous when handled without care.
Information about potential ignition sources, especially those that are not obvious, such as lighters, light switches, vacuum cleaners, electric heaters.
Information about the concept of sealed components and sealed enclosures according to UL 60335.
Information about the correct working procedures:

a) Commissioning
- Ensure that the floor area is sufficient for the refrigerant charge or that the ventilation duct is assembled in a correct manner.
- Connect the pipes and carry out a leak test before charging with refrigerant.
- Check safety equipment before putting into service.

b) Maintenance
- Portable equipment shall be repaired outside on in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.
- Reassemble sealed enclosures accurately If seals are worn, replace them.
- Check safety equipment before putting into service.

c) Repair
- Portable equipment shall be repaired outside or in a workshop specially equipped for servicing units with flammable refrigerants.
- Ensure sufficient ventilation at the repair place.
- Be aware that of the equipment may be caused by refrigerant loss and a refrigerant leak is possible.
- Discharge capacitors in a way that won't cause any spark.
- When brazing is required the following procedures shall be carried out in the right order.

- Remove the refrigerant. If the refrigerant is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.

INSTALLATION

General

⚠ WARNING

- Evacuate the refrigerant circuit.
- Purge the refrigerant circuit with nitrogen for 5 min.
- Evacuate again (not required for A2L refrigerants)
- Remove parts to be replaced by cutting, not by flame.
- Purge the braze point with nitrogen during the brazing procedure.
- Carry out a leak test before charging with refrigerant.

● Reassemble sealed enclosures accurately. If seals are worn, replace them.
● Check safety equipment before putting into service.

d) Decommissioning

- If the safety is affected when the equipment is putted out of service. the refrigerant charge shall be removed before decommissioning.
- Ensure sufficient ventilation at the equipment location.
- Be aware that malfunction of the equipment may be caused by refrigerant loss and a leak is possible.
- Discharge capacitors in a way that won't cause any spark.
- Remove the If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet .Take special care that drained refrigerant will not float back into the building.

e) Disposal

- Ensure sufficient ventilation at the working place.
- Remove the refrigerant. If the recovery is not required by national regulations, drain the refrigerant to the outside. Take care that the drained refrigerant will not cause any danger. In doubt, one person should guard the outlet. Take special care that drained refrigerant will not float back into the building.
- Evacuate the refrigerant circuit
- Purge the refrigerant circuit with nitrogen for 5 min.
- Evacuate again.
- Cut out the compressor and drain the oil.

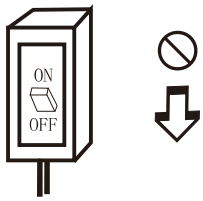
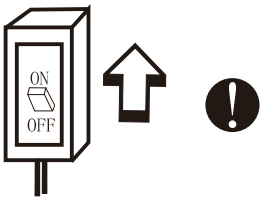
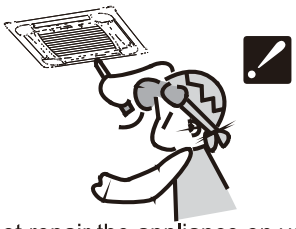
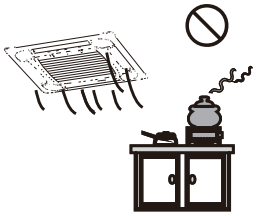
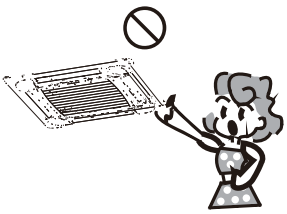
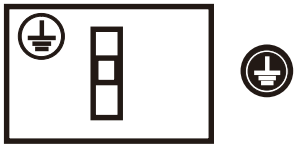
•The pipe-work shall be compliance with national gas regulations.
•The maximum refrigerant charge amount is X kg (X see below).
•Where addition of charge is required to complete installation, according to the content in "Refrigerant piping" . After charged, finish the label (in accessory bag) and paste it near the nameplate.
•When moving or relocating the air conditioner, consult experienced service technicians for disconnection and reinstallation of the unit.
•Do not place any other electrical products or household belongings under indoor unit or outdoor unit.
•Condensation dripping from the unit might get them wet, and may cause damage or malfunction of your property.
•Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
•The appliance shall be stored in a room without continuously operating ignition sources （for example: open flames, an operating gas appliance or an operating electric heater).
•Do not pierce or burn.
•Be aware that refrigerants may not contain an odour.
•To keep ventilation openings clear of obstruction.
•The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
•The appliance shall be stored in a room without continuously operating open flames (for example an operating as appliance) and ignition sources (for example an operating electric heater).
•Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
•Servicing shall only be performed as recommended by the equipment manufacturer.
•Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
•The appliance shall be installed and stored so as to prevent mechanical damage from occurring.
•Mechanical connectors used indoors shall comply with ISO 14903. When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated.
•The installation of pipe-work shall be kept to a minimum.
•Mechanical connections shall be accessible for maintenance purposes.

INSTALLATION

Cassette

Symbols in this User's Manual are interpreted as shown below:

- Be sure not to do.
- Be sure to follow the instruction.
- The feature of the appliance, instead of a fault.
- Grounding is necessary.
- Pay attention to such a situation.
- Warning: Incorrect handling could cause a serious hazard, such as death, serious injury,etc.

 Do not use the power supply circuit breaker or pull off the plug to turn it off during operation. This may cause a fire due to spark, etc.	Avoid dirt accumulation on power supply circuit breaker. Connect the power supply cord to it firmly and correctly, Otherwise it may lead to electric shock or a fire break out due to insufficient contact.	Provide accurate power supply in accordance with the rating plate requirement. Otherwise, serious faults may occur or a fire may be break out.
Do not apply excess pressure, pull or press the power supply cord, otherwise, the power supply cord can break leading to electric shock or fire.	Never insert a stick or similar object to the unit. Since the fan is rotating at high speed, this may cause an injury.	It is harmful for your health if you are exposed to cold air for prolonged period of time. Hence it is recommended for uniform distribution of airflow in the room.
 Turn off the appliance first and then cut off power supply when appliance malfunctions.	 Do not repair the appliance on your own, this may lead to electric shock and so on.	 Prevent the air flow from reaching the gas burners and stove.
 Do not operate the unit with wet hands.		 It is user's responsibility to make the appliance grounded according to local and national codes or ordinances by a licensed person.

INSTALLATION

Cassette

Operating condition

The protective device may trip and stop if it is operated outside the allowed temperature range.

If the air conditioner runs in "COOLING" or "DRY" mode with door or window open for a long time when relative humidity is above 85%, dew may drip down from the air outlet.

Noise pollution

- Install the air conditioner at a place that can bear its weight to for quiet operation.

Features of protector

The protective device will work at following cases:

- Turning off the appliance and restarting it at once or changing mode during operation, you need to wait at least 3 minutes.

Inspection

After operating for a long time, the air conditioner should be inspected on the following items:

- Overheat of the power supply cord and plug or even a burnt smell.
- Abnormal operating sound or vibration.
- Water leakage from indoor unit.
- Electrification of metal cabinet.

☑ Stop the air conditioner if above trouble occurs. It is advisable to have a detailed inspection after using the appliance for 5 years even if none of the above condition occurs.

Features of HEATING mode

Preheating

At the beginning of HEATING operation, the airflow from indoor unit is discharged 2-5 minutes later.

Defrosting

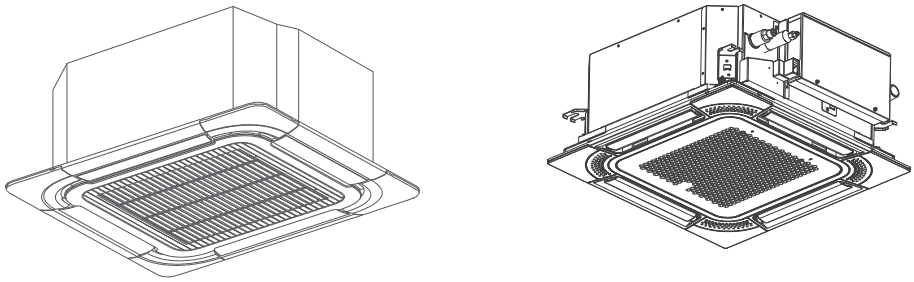
During HEATING operation the appliance will defrost automatically to improve efficiency. This procedure usually lasts for 2-10 minutes. During defrosting, fans stop operation. After defrosting completes, it returns to "HEATING" mode automatically.

It is hard to increase the room temperature when outdoor temperature is very low. It might take longer time if the working temperature range not closer to the operation limits.

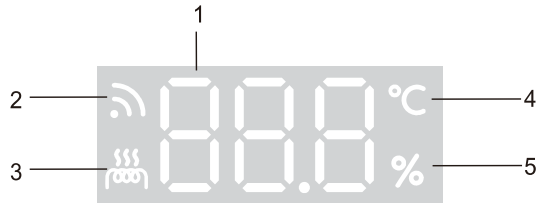
INSTALLATION

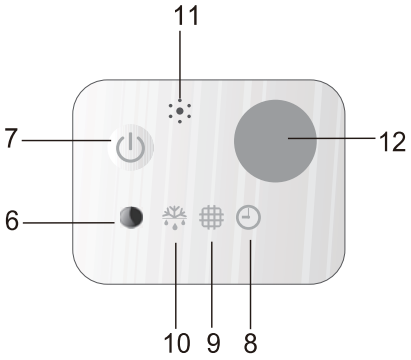
Cassette

Indoor unit



Display panel





1 Temperature/humidity indicator
Display indoor set temperature or indoor temperature; Display indoor humidity (models without a humidity sensor display "--.-").

2 Wi-Fi receiver
It lights up when Wi-Fi is connected. It stops lighting when Wi-Fi is disconnected.

3 Electric heater indicator (It is only valid for the air conditioner with electric heater function.)
It lights up during heating mode when electric heater is on. It stops lighting when heater is completed.

4 Temperature Unit (℃) indicator
It lights up when the air conditioner displays with Celsius temperature, and stops lighting when it is displays with Fahrenheit temperature.

5 Humidity indicator
It lights up when display humidity.

NOTE: **The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from the air conditioner model you have selected.**

Cassette

6 Run indicator (Red)
It lights on during operation. It lights off during SLEEP mode.
7 Emergency switch
The filter clean indicator is reset when the switch is pressed. The unit will be started or stopped when the switch is pressed. The unit will be operated in forced cooling mode if press the switch continuously for more than 5s when the unit is off.
8 Timer indicator (Green)
It lights on when timer is in use. It lights off when timer completes.
9 Filter clean (Yellow)
It lights on when the filter should be cleaned.
10 Defrost indicator (Green)
It lights on during defrosting and it lights off when defrosting is complete.
11 Buzzer
It rings when the signal from remote controller is received.
12 Infrared receiver
Receives signal from the remote controller.

Operation Manual

1. Special Remarks

- **3-minute protection after the compressor stops**
  To protect compressor, the system implements a 3 minutes once operation is stopped.
- **5 minute-protection**
  Compressor must run for at least 5 minutes once operation starts. During the 5 minutes, compressor will not stop even after set point is reached. The system will shut off if manually turned off using the remote controller.
- **Cooling operation**
  The fan of the indoor unit will never stop running in cooling operation. It continues to operate even if the compressor stops working.
- **Heating operation**
  Heating capacity depends on external factors like outdoor unit temperature. Heating capacity might decrease if outdoor ambient temperature is too low.
- **Anti-freezing function during cooling**
  When the air temperature from the indoor outlet is too low, the unit will run for some time under the fan mode, to avoid frost or ice forming on the indoor heat exchanger.
- **Anti cold air function**
  When heating, in order to prevent the indoor unit from blowing cold air, the fan speed is controlled at low speed air or stopped in heating mode, and the fan speed is set according to the indoor coil temperature.
- **Defrosting**
  When the outdoor temperature is too low, ice may form on the outdoor heat exchanger, reducing heating performance. When this happens, the defrost cycle of the system will start. During the defrost cycle, the indoor unit fan stops (or runs at a very low speed in some cases), to prevent cold draft.
  Once the defrost cycle is complete, heating operation and the fan speed resume.
- **Discharging the residual heating air**
  When stopping the air conditioner in normal operation, the fan motor will run with low speed for a while to blow out the residual hot air.
- **Auto restart from power outage**
  When the power supply is recovered after power outage, all presets still be in effect and the system will run according to the previous settings.

INSTALLATION

Cassette

2.Filter Cleaning

⚠CAUTION

Do not operate the system without air filter to protect the indoor unit heat exchanger against being clogged.

Turn off the main power switch before changing or cleaning filter. (The previous operation mode may appear.)

Installation or maintenance work of air filter must be performed by qualified professional personnel.

2.1 Filter Cleaning Indication

(1) For THREE-EIGHT indicators

When letters “FC” displays, it indicates it’s time to clean the filter.

(2) For light indicators

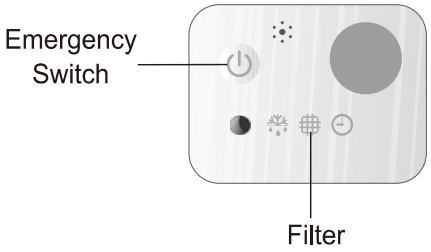
Step 1

It is time to clean the filter, when the filter icon is turned on.

Step 2

Cancel the setting

Press Emergency switch to return to the standard state.



2.2 Take Out the Filter

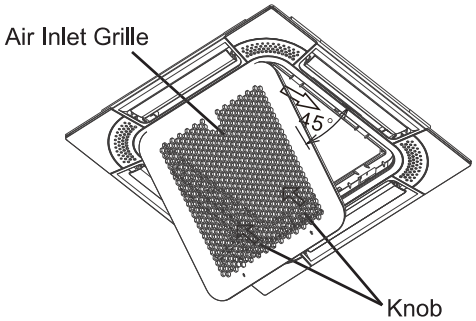
Take out the air filter according to the following steps.

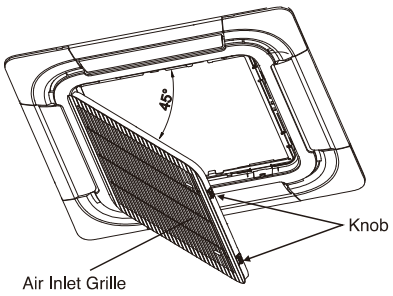
Step 1

Open the air inlet grille after pushing the two knobs as the arrow mark.

Step 2

Take out the air filter from the air inlet grille by supporting the air grille and lifting the air filter after detaching the filter from the hinges.





2.3 Clean the Filter

Clean the air filter according to the following steps.

Step 1

Use a vacuum cleaner or rinse the air filter to remove the dirt.

⚠ CAUTION

Do not use hot water with temperature higher than 104°F (40°C).

Step 2

Dry the air filter in the shade to remove excess moisture.

2.4 Resetting of Filter

Press key “TURBO” on the remote controller for 5 seconds, then release the button to restore.

For the operation of wired controller, please refer to manual of the wired controller for related information.

INSTALLATION

Cassette

3.Trouble Shooting

⚠ CAUTION

When condensate drain overflows from the indoor unit, stop the operation and contact a qualified, licensed service professional.
When you smell or see smoke coming out of the unit, turn OFF the main power supply and contact a qualified, licensed service professional.

3.1 If Trouble issue persists

If the issue continues after checking the following, contact your contractor and inform them of the following items.

(1) Model number and serial number
(2) Details of the issue

3.2 No Operation

Check whether the SET TEMP is set at the correct temperature.

3.3 Not Cooling or Heating Properly

- Check for obstruction of air flow of outdoor or indoor units.
- Check if there are too many heating sources in the room.
- Check if the air filter is clogged.
- Check if the doors or windows are open.
- Check if the temperature condition is within the operation range.

3.4 This is Not Abnormal

- **Odour from Indoor Unit**
  Unpleasant odour diffuses from indoor unit after a long period of time. Clean the air filter and panels or allow a good ventilation.
- **Sound from Deforming Parts**
  When start or stop the system, a sound might be heard. However, this is due to thermal deformation of plastic parts. It is not abnormal.
- **Dew on Air Panel**
  When the cooling operation continues for a long period of time under high humidity conditions, dew can form on the air panel.
- **Refrigerant Flow Sound**
  While the system is being started or stopped, the refrigerant flow sound may be heard.

Installation and Maintenance

1. Safety Notice

⚠ WARNING

·Installation should be performed by a qualified personnel. (Improper installation may cause water leakage and damage, shock, or fire.)
·Install the unit according to the instructions given in this manual. (Incomplete installation may cause water leakage and damage, electrical shock, or fire).
·Be sure to use the supplied or specified installation parts. (Use of other parts may result in a poor installation, water leakage, shock, or fire).
·Install the air conditioner on a solid structure that can support the unit weight. (Inadequate support or incomplete installation may cause injury).
·Electrical work should be carried out in accordance with the installation manual and national and local codes.(Insufficient capacity or incomplete electrical work may cause electrical shock, or fire).
·Be sure to use a dedicated power circuit. (Never use a power supply shared by another appliance).

INSTALLATION

Cassette

·For wiring, use a cable long enough to cover the entire distance. Do not use an extension cord.
·Use the specified types of wires for electrical connections between the indoor and outdoor units. (Tightly connect the wires so their terminals with no external stresses).
·Poor or loose connections may cause terminal overheating or fire.
·After connecting all the wiring be sure to secure the cables so that they do not put pressure on the electrical covers or panels. (Install covers over the wires. Incomplete cover installation may cause terminal overheating, electrical shock, or fire).
·When installing or relocating the system, be sure to keep the refrigerant circuit free from air (Air in the refrigerant circuit may cause an abnormal pressure rise or rupture, resulting in injury).
·If any refrigerant has leaks out during the installation work, ventilate the room.
·After all installation is completed, check to make sure that no refrigerant is leaking out. (Refrigerant produces a toxic gas if exposed to flames).
·When making piping connection, do not let any debris or contaminants other than the specified refrigerant get into refrigeration cycle. (Doing so will cause reduced performance, abnormal high pressure in the refrigeration cycle, explosion and injury).
·Make sure that the equipment is properly grounded. Do not ground the unit to a utility pipe, lightning arrester, or telephone grounding. Incomplete grounding may cause electrical shock. (A high surge current from lightning or other sources may cause damage to the equipment).
·An earth leakage circuit breaker may be required depending on the site condition to prevent electrical shock.
·Disconnect the power supply before wiring, piping, or checking the unit.
·When moving the units, do not tilt the unit incline more than 45 degree. Pay attention to the sharp edges of the air conditioner to avoid any injury.
·During wired controller installation, ensure that the length of the wire between the indoor unit and remote controller is within 131 ft. (40 m).

⚠ CAUTION

- Do not install the equipment in a location where there is danger of exposure to flammable gas leakage. (A high concentration of flammable gas near the unit may result in fire)
- Install condensate drain piping according to the instructions in this manual. (Inadequate piping may cause flooding).
- Tighten the flare nut according to the specifications with a torque wrench. (Tightening the flare nut beyond specified torque may damage the flare nut).

2. Tools and Instruments for Installation

Number	Tool	Number	Tool
1	Standard screwdriver	8	Knife or wire stripper
2	Refrigerant vacuum pump	9	Level
3	Charge hose	10	Hammer
4	Pipe bender	11	Drill
5	Adjustable wrench	12	Flaring kit
6	Pipe cutter	13	Inner hexagon spanner and torque wrench
7	Cross head screwdriver	14	Measuring Tape

3. Installation of the Indoor Unit

⚠ DANGER

Do not install the indoor unit in a flammable environment to avoid fire or an explosion.

INSTALLATION

Cassette

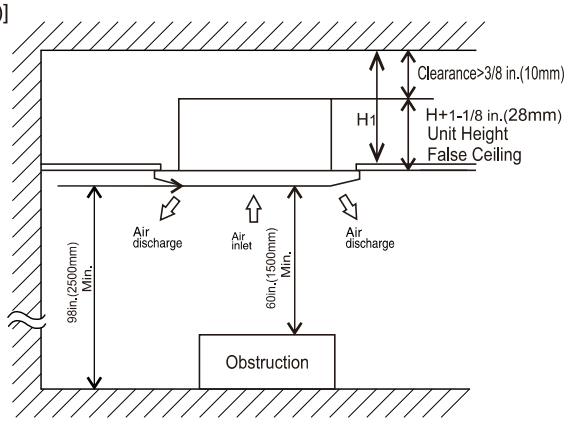
⚠ WARNING

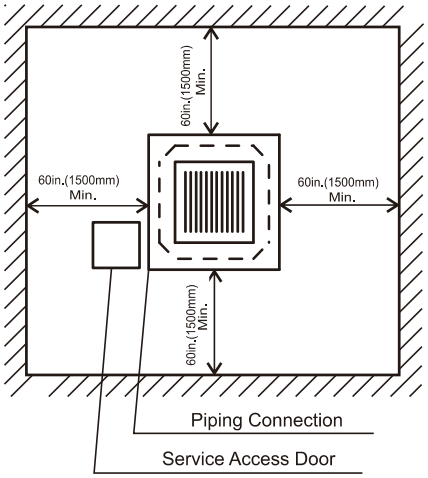
- **Check to ensure that the overhead structure can support the weight of the equipment. Otherwise the indoor unit may topple, and fall down causing injury.**
- **Do not install the indoor unit outdoors. If done, an electric hazard or electric leakage will occur.**

3.1 Initial Check

- Install the indoor unit with a proper clearance around it for operation and maintenance space, as shown in Fig.3.1.
- Provide a service access door near the unit piping connection area on the ceiling.
- Ensure that the ceiling has a sufficient strength to hang the indoor unit.
- Check that the ceiling surface is flat for the air panel installation work.

[Unit : in.(mm)]





NOTE:
H1: Size determination with at least a 1% downward slope of the drain pipe.

[Unit : in.(mm)]

Capacity (Btu/h)	H
9K/12K	8-7/16 (215)
18K/24K	9-1/4 (236)
36K/48K	10-3/4 (272)

Fig. 3.1 Space around Indoor Unit

- Consider the air distribution from the indoor unit to the space of the room, and select a suitable location so that uniform air distribution can be achieved in the room. It is recommended that the indoor unit is installed 8 ft. (2.5m) to 10 ft. (3m) from the floor level.
- Do not install flammable items in the service space for the indoor unit.
- Avoid obstacles which may obstruct the air intake or the air discharge flow.
- Do not install the indoor unit in a machine shop or kitchen where oil vapor or mist flows through the indoor unit.
  The oil will deposit on the heat exchanger, thereby reducing the indoor unit performance, and in severe cases, damaging the indoor unit.
- Pay attention to the following points when the indoor unit is installed in a hospital or other facilities with electromagnetic waves from medical equipment:
  (A) Do not install the indoor unit where the electromagnetic wave is directly radiated to the electrical box, remote control cable or remote control switch.
  (B) Install the indoor unit and components at least 10 ft. (3m) from the electromagnetic wave source.

Cassette

(C) Instal the remote controller within a field provided and installed steel box. Prepare a steel case and install the remote control switch in it. Install remote controller wire with a steel electric conduit. Connect a ground wire to both the box and the tube.

(D) Install a noise filter when the power supply emits harmful noises.

- To avoid any corrosive chemical reaction at the heat exchanger, do not install the indoor unit in an acid or alkaline environment. If the indoor unit has to be installed in such environments, use corrosion-proof type unit.

3.2 Installation

3.2.1 Opening of False Ceiling and Suspension Bolts

(1) Determine the final location and orientation of installation of the indoor unit. Allow adequate space for piping, wiring, and maintenance.
Indoor unit installation template is printed on the packaging. Cut out the template for opening the false ceiling and installing the suspension bolts.

(2) Cut out the area for the indoor unit in the false ceiling and install suspension bolts, as shown in Fig. 3.2.

Unit: in. (mm)

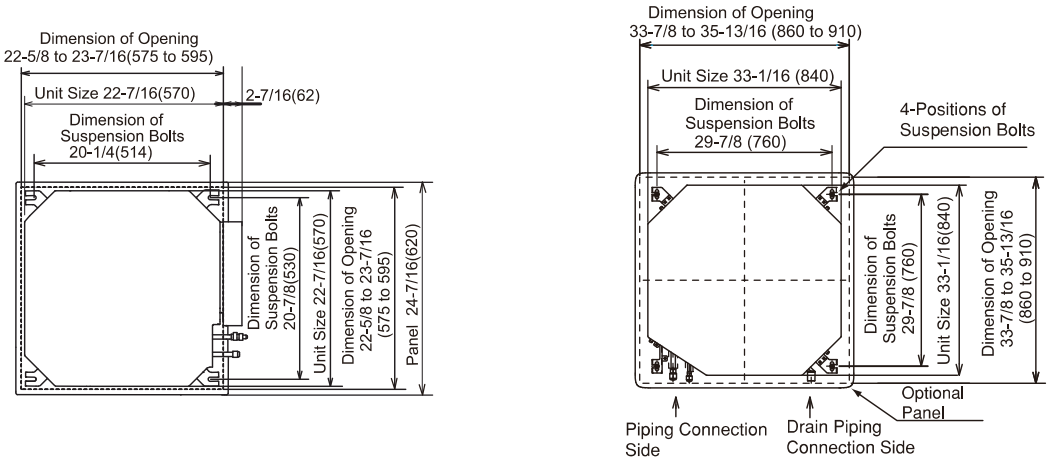


Fig. 3.2 Opening of False Ceiling and Suspension Bolts

(3) Check to ensure that the ceiling is horizontally level, otherwise the condensate may not drain properly, issues can occur.

(4) Strengthen the opening parts of the false ceiling.

(5) Mount suspension bolts, as shown in Fig. 3.3.

Unit: in. (mm)

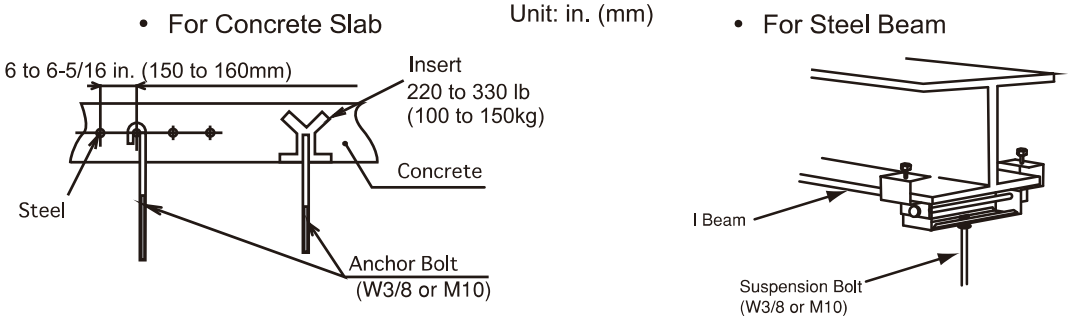
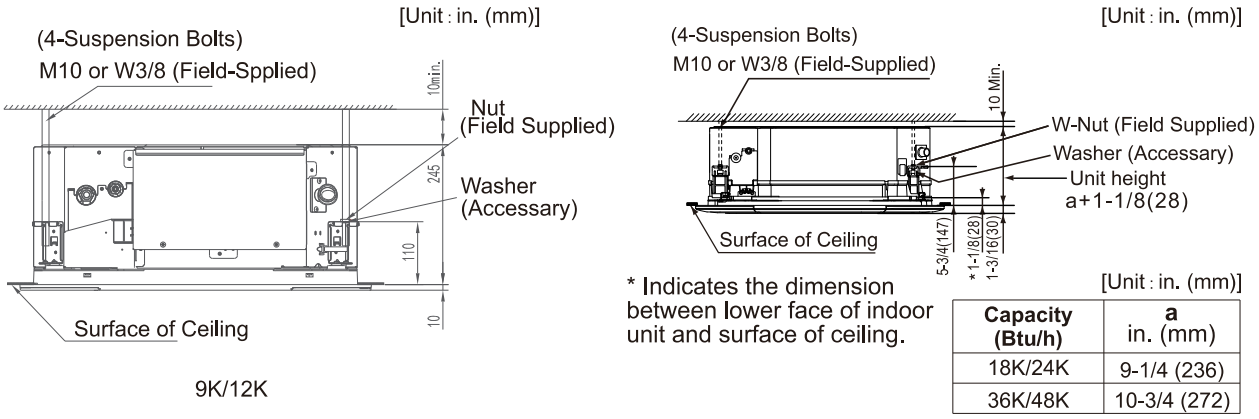


Fig. 3.3 Mounting Suspension Bolts

INSTALLATION

Cassette

3.2.2 Mounting Position of the Indoor Unit



[Unit : in. (mm)]

Capacity (Btu/h)	a in. (mm)
18K/24K	9-1/4 (236)
36K/48K	10-3/4 (272)

Fig. 3.4 Mounting Position [Unit : in. (mm)]

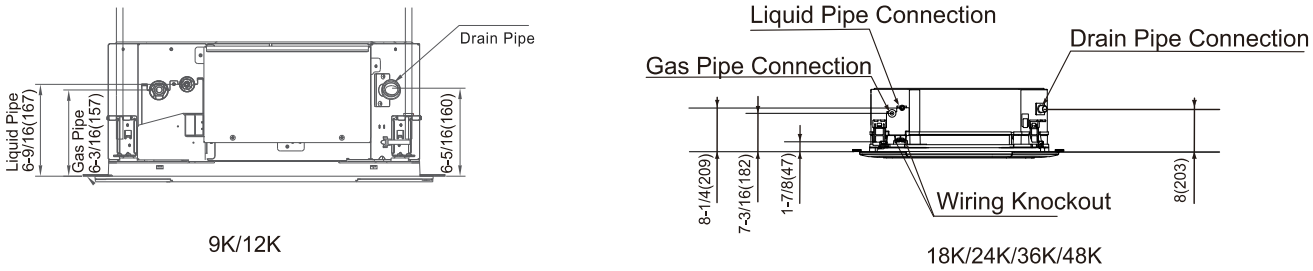
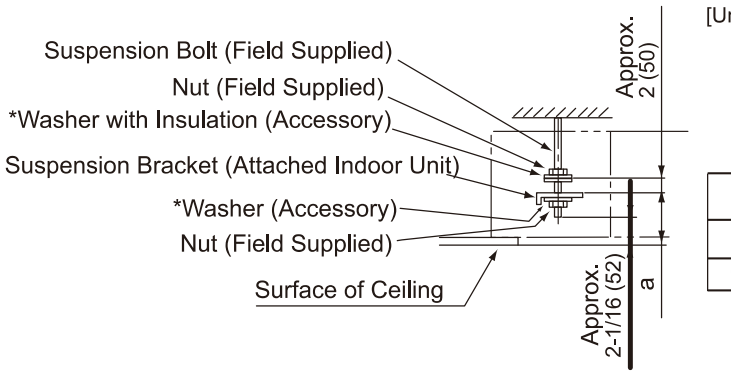


Fig. 3.5 Indoor Unit and Air Panel [Unit : in. (mm)]

3.2.3 Installing the Indoor Unit

(1) Mount the nuts and washers into the suspension bolts, as shown in Fig. 3.6.



Capacity (Btu/h)	a in. (mm)
9K/12K	4-3/8(110)
18K/24K/36K/48K	5-3/4(147)

*Place the washer so that the surface with insulation faces downwards.

Fig. 3.6 Mounting Nuts and washer

INSTALLATION

Cassette

(2) Lift the indoor unit by hoist, and do not apply any force on the drain pan.

(3) Secure the indoor unit using the nuts and washer, as shown in Fig. 3.7.

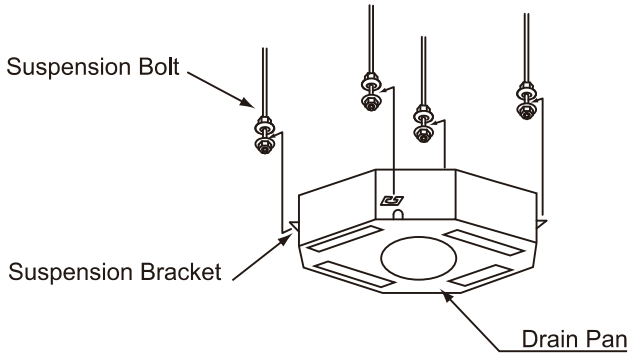


Fig. 3.7 Mounting the Indoor Unit

NOTE: If a false ceiling is already constructed, complete all piping and wiring work inside the ceiling before securing the indoor unit.

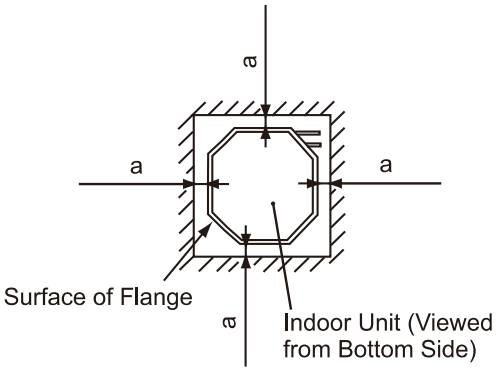
3.2.4 Adjusting the Space between Indoor Unit and False Ceiling Opening

⚠ CAUTION

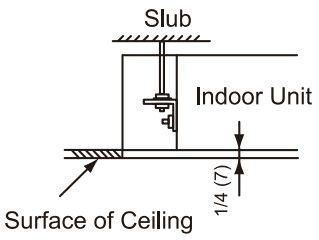
- **Check the level of the drain pan using a leveler to avoid incorrect operation of the drain discharge mechanism in the indoor unit. The drain piping side of the indoor unit must be approximately 5mm lower than the other side.**
- **Tighten the nuts of the suspension brackets after the adjustment is completed. Apply LOCK-TIGHT paint∗ to the bolts and nuts to prevent them from loosening, otherwise, abnormal noises or sounds may occur and the indoor unit may fall down.**

LOCK-TIGHT paint∗: Paint the lock bolts and nuts. Adjust the indoor unit to the correct position while checking with the scale (factory-supplied).

(1) Installation template is attached with the packing.
(2) Adjust the position of indoor unit, according to the dimensions.



[Unit : in. (mm)]

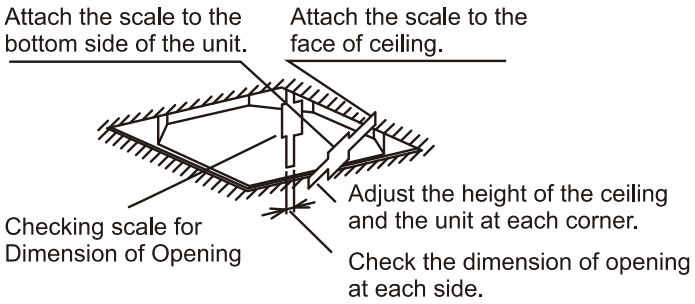


Capacity(Btu/h)	a in. (mm)
9K/12K	3/16 to 3/8 (5-10)
18K/24K/36K/48K	3/8 to 1-3/8 (10-35)

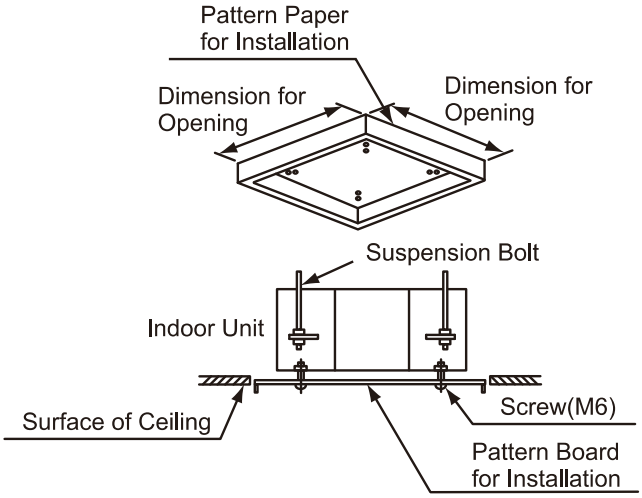
INSTALLATION

Cassette

a. For Ceiling already Completed with Panels



b . Ceiling not Completed with Panels yet



3.3 Installation Details for Air Panels

- Installation work for air panel should be done according to the Installation Manual for Air Panel.
- Ensure that the connector between indoor unit and the air panel is properly connected.

4. Refrigerant Pipe

⚠ DANGER

Use refrigerant R454B in the refrigerant cycle (refer to outdoor nameplate). Do not add oxygen, acetylene or other flammable and poisonous gases into the refrigerant cycle when performing a leakage test or an air−pressure test. These type of gases are extremely dangerous, which may cause an explosion. It is recommended to use nitrogen to perform these tests.

4.1 Pipe Material

(1) Prepare locally-supplied copper pipes.
(2) Select the piping size from the following table.

Model	Gas pipe [in. (mm)]	Liquid pipe [in. (mm)]
9K/12K	ø 3/8 (9.52)	ø1/4 (6.35)
18K	ø 1/2 (12.7)	ø 1/4 (6.35)
24K/36K	ø 5/8 (15.88)	ø 3/8 (9.52)
48K	ø 3/4 (19.05)	ø 3/8 (9.52)

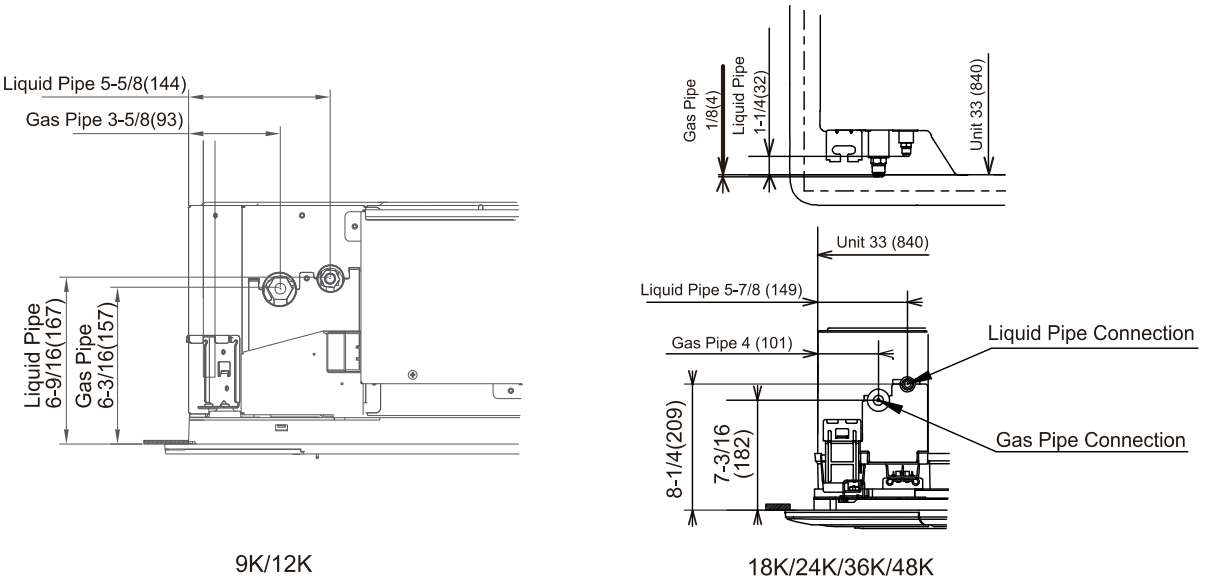
(3) Select clean copper pipes. Make sure that there is no dust and moisture inside. Blow the pipes with nitrogen or dry air to remove dust and foreign materials before connecting pipes.

INSTALLATION

Cassette

4.2 Pipe Connection

(1) Position of piping connection is shown in Fig. 4.1.(Indoor Unit)

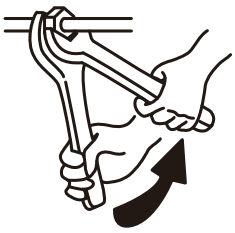


9K/12K

18K/24K/36K/48K

Fig. 4.1 Position of Piping Connection [Unit : in. (mm)]

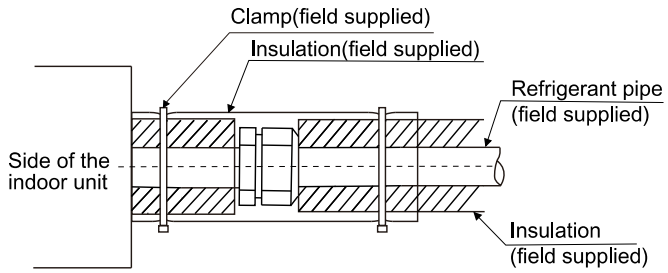
(2) When tightening the flare nut, use torque wrench and adjustable as shown in Fig.4.2.



Tube size [in. (mm)]	Torque [lbf·ft. (N·m)]
ø 1/4 (6.35)	14.8 (20)
ø 3/8 (9.52)	29.5 (40)
ø 1/2 (12.7)	44.3 (60)
ø 5/8 (15.88)	59.0 (80)
ø 3/4 (19.05)	73.8 (100)

Fig. 4.2 Tightening Work of Flare Nut

(3) After finishing connecting the refrigerant pipes, keep it warm with the insulation material.



INSTALLATION

Cassette

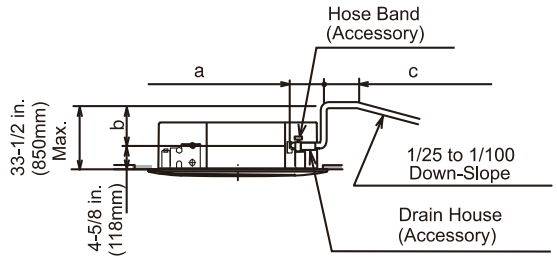
5.Drain Piping

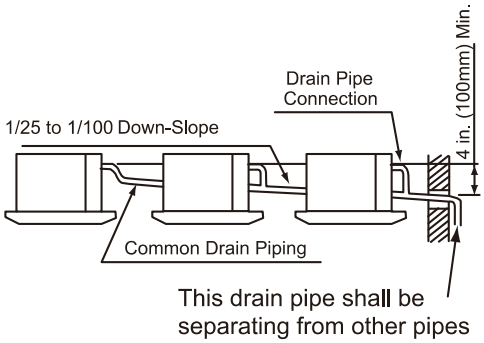
⚠ CAUTION

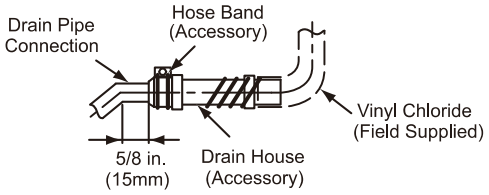
- Do not create an upper-slope or rise for the drain piping, since drain water can flow back to the indoor unit causing leakage into the room when the system operation is stopped.
- Do not connect the drain pipe with sanitary, sewage piping, or any other drainage piping.
- When the common drain piping is connected with other indoor units, the connected position of each indoor unit must be higher than the common drain pipe, also the pipe must be sized properly based on system capacity.

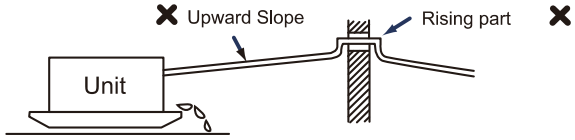
5.1 Conduct Drain Piping Work

(1) Prepare a polyvinyl chloride pipe with a 1-1/4 in. (32mm) outer diameter.
(2) Fasten the tubing to drain hose with the adhesive agent and factory-supplied clamp.
The drain piping must be performed with a down-slope pitch of 1/25 to 1/100.



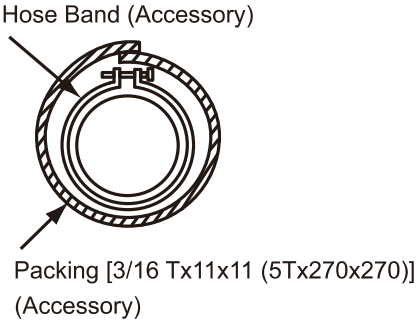






* The total length of a+b+c :
a≤12 in. (300mm)，b≤33-1/2 in. (850mm)，c≤2 in. (50mm), a+b+c≤43-5/16 in. (1100mm)
* In case of lifting the drain pipe at outlet part, perform the drain piping work as shown in the above figure.

(3) Insulate the drain pipe after connecting the drain hose.



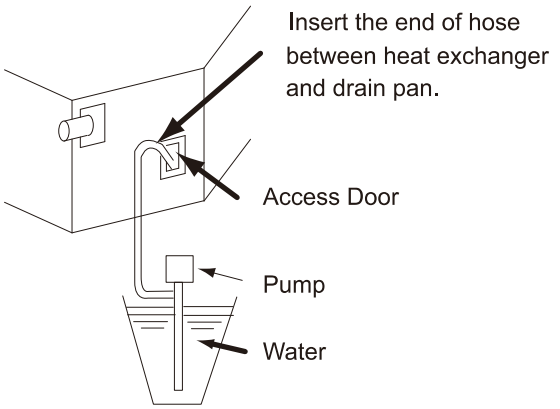
Unit: in. (mm)

Cassette

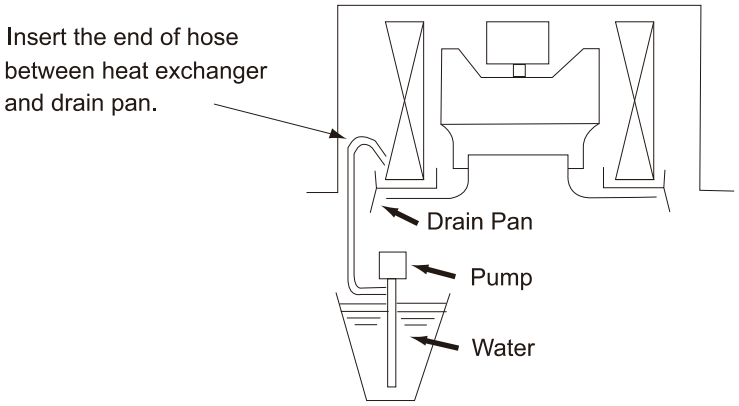
5.2 Check Draining of the Piping

- After performing drain piping work and electrical wiring, check to ensure that water drains properly per the following procedure.
- Checking with the Float Switch:
  (A) Switch ON the power supply.
  (B) Start cooling operation.
  (C) Gradually pour 64~80.6 oz(2~2.5 liters) of water into the drain pan through the access door or the air outlet.
  (D) Check to ensure that the water flows out at the end of drain piping and no water leakage occurs. When water cannot be found at the end of drain piping, pour another 64 oz(2 liters) of water into the drain pan.

- If pouring water through the access door.



- To add water through the air outlet use the diagram below for guidance.



INSTALLATION

Cassette

6. Electrical Wiring

⚠ WARNING

- Turn OFF the main power switch to the indoor unit and the outdoor unit before electrical wiring work or a periodical check is performed.
- Check to ensure that the indoor fan and the outdoor fan have stopped before electrical wiring work or a periodical check is performed.
- Protect the wires, drain pipe, electrical parts, etc. from rats or other small animals. If not protected, rats may gnaw at unprotected parts and at the worst, a fire will occur.
- Check the item below before turning ON the main switch.
- Tighten screws according to the following torque.
  M3.5: 0.9 lbf·ft. (1.2 N·m)
  M5: 1.5 to 1.8 lbf·ft. (2.0 to 2.4 N·m)

⚠ CAUTION

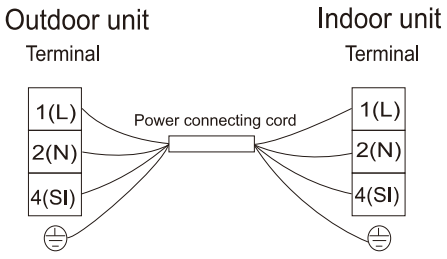
- Wrap the accessory packing around the wires, and plug the wiring connection hole with the seal material to protect the product from any condensate water or insects.
- Tightly secure the wires with the cord clamp inside the indoor unit.
- Secure the cable of the remote control switch using the cord clamp inside the electrical box.

6.1 General Check

(1) Make sure that the field-selected electrical components(main power switches, circuit breakers, wires, conduit connectors and wire terminals) have been properly selected according to the electrical data given in "7.Electrical Installation". Make sure that the components comply with National Electrical Code(NEC).
(2) Check to ensure that the power supply voltage is within ±10% of the rated voltage.
(3) Check the capacity of the electrical wires. If the power source capacity is too low, the system cannot be started due to the voltage drop.
(4) Check to ensure that the ground wire is connected.
(5) Power Source Main Switch Install a multi-pole main switch with a space of 1/8 in. (3.5mm) or more between each phase.

6.2 Electrical Wiring Connection

The intermediate connection between the indoor unit and the air panel should be referred to in the "Installation Manual for Air Panel".
(1) Connect the power supply and earth wires to the terminals in the electrical box.
(2) Connect the wires between the indoor unit and the outdoor unit to the terminals in the electrical box.

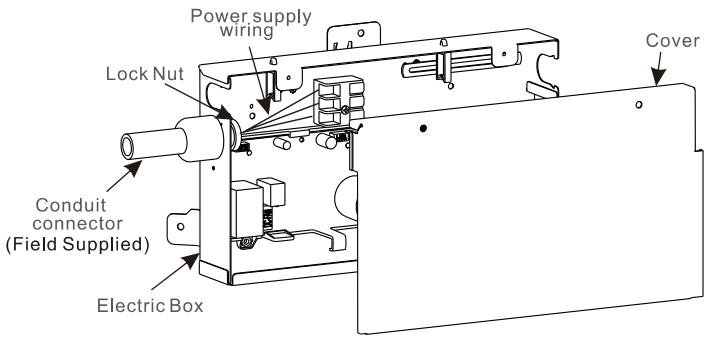


6.3 Wire connects step

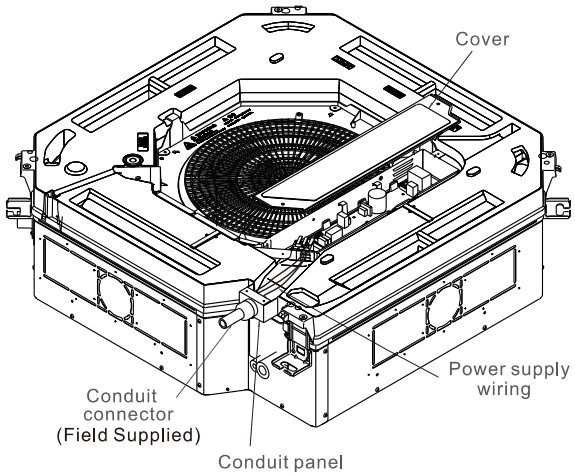
(1) Remove the screws and the cover.
(2) Pass power supply wiring through the hole on the conduit panel or electric box .
(3) Fasten the conduit connection to the conduit panel using the lock nut.
(4) Connect the power supply wiring to the terminal.
(5) Tie the power supply wiring with the clamp tightly.
(6) After completing the wiring, seal the wiring hole with the sealing material.
(7) Put the cover after completion of the work.

INSTALLATION

Cassette



9K/12K



18K/24K/36K/48K

7. Electrical Installation

⚠WARNING

- This product must be installed on a single dedicated electrical circuit. Circuit breaker protection must be installed in accordance with this manual. In moist and humid locations, an ELB type circuit breaker must be used.
- Do not operate the system until all the check points have been cleared.
  (A) Check to ensure that the insulation resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.
  (B) Check to ensure that the stop valves of the outdoor unit are fully opened and then start the system.

Model Capacity(Btu/h)	Transmitting Cable Size
9K~48K	4×14AWG

Note:

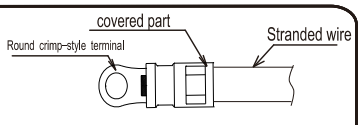
(1) Follow local and national codes and regulations when select field wires ,and all the above are the minimum wire size.

(2) Use copper supply wires.

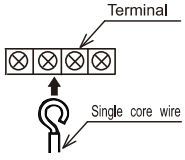
(3) Install main switch and ELB for each system separately. When used, select the high response type ELB that is acted within 0.1second.
Recommended capacity to see outdoor machine switch capacity.

<Attentions when Connect the power supply wiring>

1. When connecting the terminal block using stranded wire, make sure to use the round crimp-style terminal for connection to the power supply terminal block. Place the round crimp-style terminals on the wires up to the covered part and secure in place.



2. When connecting the terminal block using a single core wire, be sure to perform curing.



8. Trial Run

Please perform trial run according to outdoor unit installation manual.

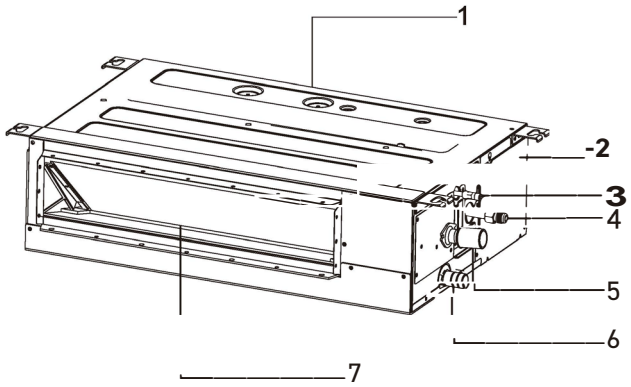
INSTALLATION

Ducted

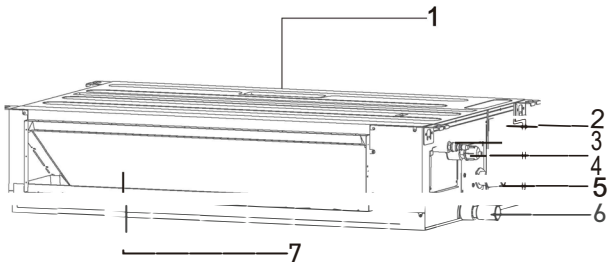
Composition of the Air Conditioner

Indoor unit

9K/12K



18K/24K



1. Air inlet
2. Electric box
3. Refrigerant pipe (Liquid)
4. Refrigerant pipe (Gas)
5. Drain pipe (Connect with pump)
6. Drain pipe
7. Air outlet

NOTE: The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from the air conditioner model you have selected.

Special Remarks

- **3-minute protection after the compressor stops**
  To protect compressor, the system implements a 3 minute delay once operation is stopped.
- **5 minute-protection**
  Compressor must run for at least 5 minutes once operation starts. During the 5 minutes, compressor will not stop even after set point is reached. The system will shut off if manually turned off using the remote controller.
- **Cooling operation**
  The fan of the indoor unit will never stop running in cooling operation. It continues to operate even if the compressor stops working.
- **Heating operation**
  Heating capacity depends on external factors like outdoor unit temperature. Heating capacity might decrease if outdoor ambient temperature is too low.
- **Anti-freezing function during cooling**
  When the air temperature from the indoor outlet is too low, the unit will run for some time under the fan mode, to avoid frost or ice forming on the indoor heat exchanger.
- **Anti cold air function**
  During heating mode, in order to prevent cold air blowing from indoor unit, indoor unit fan speed will run with low speed or stop, which is set according to the indoor coil temperature.
- **Defrosting**
  When the outdoor temperature is too low, ice may form on the outdoor heat exchanger, reducing heating performance. When this happens, the defrost cycle of the system will start. During the defrost cycle, the indoor unit fan stops (or runs at a very low speed in some cases), to prevent cold draft.
  Once the defrost cycle is complete, heating operation and the fan speed resume.
- **Discharging the residual heating air**
  When stopping the air conditioner in normal operation, the fan motor will run with low speed for a while to blow out the residual hot air.
- **Auto restart from power outage**
  When the power supply is recovered after power outage, all presets still be in effect and the system will run according to the previous settings.
- **Self-cleaning function**
  To enter this function in heating mode, you must first shut down the unit, use the remote control to set Cooling or Dry mode, press the CLEAN button to enter, and after that, set the controller to continue running in heating mode.

Trouble Shooting

⚠ CAUTION

When drain water overflows from the indoor unit, stop the operation and contact your dealer. When you smell or see white smoke coming out of the unit, turn OFF the main power supply and contact your dealer.

1. If Trouble still Exists

If the trouble still exists even after checking the following, contact your dealer and inform them of the following items.

(1) Unit Model Name

(2) Content of Trouble

2. No Operation

Check whether the SET TEMP is set at the correct temperature.

3. Not Cooling or Heating Properly

- Check for obstruction of air flow of outdoor or indoor units.
- Check if there are too many heating sources in the room.
- Check if the air filter is clogged with dust.
- Check if the doors or windows are open.
- Check if the temperature condition is within the operation range.

4. This is Not Abnormal

- **Odor from Indoor Unit**
  Unpleasant odor diffuses from indoor unit after a long period of time. Clean the air filter and panels or allow a good ventilation.
- **Sound from Deforming Parts**
  When start or stop the system, a sound might be heard. However, this is due to thermal deformation of plastic parts. It is not abnormal.
- **Steam from Outdoor Heat Exchanger**
  During defrosting operation, ice on the outdoor heat exchanger melts resulting in steam.
- **Dew on Air Panel**
  When the cooling operation continues for a long period of time under high humidity conditions, dew can form on the air panel.
- **Refrigerant Flow Sound**
  While the system is being started or stopped, the refrigerant flow sound may be heard.

5. Mode Interfere

Multi-zone outdoor units can only support a single mode at one time (cooling or heating).
When the mode set at one or more indoor unit is different from the mode that outdoor unit is using, mode interfere will occur.

	Cooling	Dry	Heating	Fan
Cooling	√	√	×	√
Dry	√	√	×	√
Heating	×	×	√	×
Fan	√	√	×	√

√ --- Normal

× --- Mode interfere

Outdoor unit always run with the mode of first indoor unit that turned on. When the setting mode of following indoor unit is interfered with it, 3 beeps would be heard, and the indoor unit interfered with the normal running units would turn off automatically.

If auto mode is selected, the actual running mode of the unit will be dominated by the unit of which first select auto mode. (Auto mode is invalid for some models.)

Air Filter

Filter Cleaning

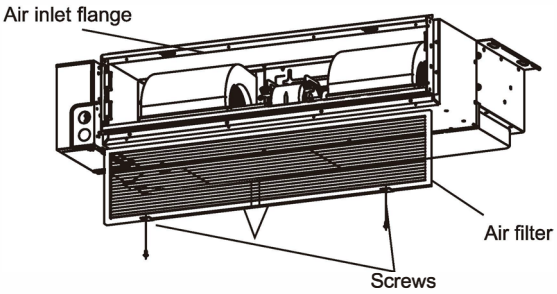
⚠ CAUTION

Turn OFF the main power switch before taking filter.

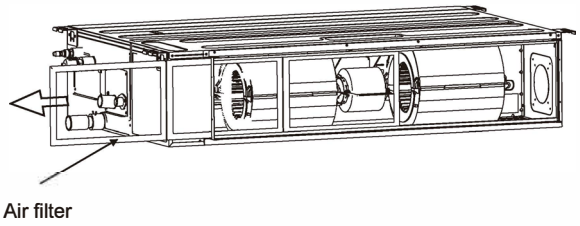
1. Take Out the Filter

Remove the fixed screws of the filter and pull the filter down along the rail of the flange as the figure below.

9K/12K



18K/24K



2. Clean the Filter

⚠ CAUTION

Do not use hot water with temperature more than 104°F (40℃).
Do not use light oil essence, diluent, powder or other similar solvents for cleaning.
Air filter can remove dust or other particles in the air, if blocked, the performance of air conditioner will be greatly reduced. Therefore, in long-term use, you must always clean the air filter.
If the indoor machine is installed in the place with more air dust, the frequency of cleaning the air filter should be increased.

3. Reinstall the Filter

Reinstall the air filter in the reverse order of the filter take out described above.

INSTALLATION

Ducted

1. Safety Notice

⚠ WARNING

·Installation should be performed by a qualified personnel. (Improper installation may cause water leakage, electrical shock or fire.)

·Install the unit according to the instructions given in this manual. (Incomplete installation may cause water leakage, electrical shock or fire).

·Be sure to use the supplied or specified installation parts. (Use of other parts may cause the unit to get loosened, water leakage, electrical shock or fire).

·Install the air conditioner on a solid base that can support the unit weight. (An inadequate base or incomplete installation may cause injury if the unit falls off the base).

·Electrical work should be carried out in accordance with the installation manual and the local and national electrical wiring rules or code of practice. (Insufficient capacity or incomplete electrical work may cause electrical shock or fire).

·Be sure to use a dedicated power circuit. (Never use a power supply shared by another appliance).

·For wiring, use a cable long enough to cover the entire distance. Do not use an extension cord.

·Use the specified types of wires for electrical connections between the indoor and outdoor units. (Firmly clamp the interconnecting wires so their terminals receive no external stresses).

·Incomplete connections or clamping may cause terminal overheating or fire.

·After connecting all the wires be sure to fix the cables so that they do not put undue force on the electrical covers or panels. (Install covers over the wires, incomplete cover installation may cause terminal overheating, electrical shock or fire).

·When installing or relocating the system, be sure to keep the refrigerant circuit free from air (Air in the refrigerant circuit may causes an abnormal pressure rise or rupture, resulting in injury).

·If any refrigerant has leaked out during the installation work, ventilate the room.

·After all installation is completed, check to make sure that no refrigerant is leaking out. (The refrigerant produces a toxic gas if exposed to flames).

·When carrying out piping connection, take care not to let air substances other than the specified refrigerant get into refrigeration cycle. (Otherwise, it will cause lower performance, abnormal high pressure in the refrigeration cycle, explosion and injury).

·Make sure that the installation is properly grounded. Do not ground the unit to a utility pipe, lightning arrester, or telephone grounding. Incomplete grounding may cause electrical shock. (A high surge current from lightning or other sources may cause damage to the air conditioner).

·An earth leakage circuit breaker may be required depending on the site condition to prevent electrical shock.

·Disconnect the power supply before wiring, piping, or checking the unit.

·When moving the indoor unit and outdoor unit, please be careful, do not make the outdoor unit incline over 45 degree. Pay attention to the sharp edges of the air conditioner to avoid any injury.

·During wired controller installation, ensure that the length of the wire between the indoor unit and wired controller is within 131 ft. (40m).

⚠ CAUTION

- Do not install the air conditioner in a place where there is danger of exposure to inflammable gas leakage. (If the gas leaks and builds up around the unit, it may catch fire).
- Establish drain piping according to the instructions in this manual. (Inadequate piping may cause flooding).
- Tighten the flare nut according to the specifications with a torque wrench. (If the flare nut is tightened beyond specified torque, the flare nut may crack after a long time and cause refrigerant leakage).

2. Tools and Instruments for Installation

Number	Tool	Number	Tool	Number	Tool
1	Standard screwdriver	6	Pipe cutter	11	Churn drill
2	Vacuum pump	7	Cross head screw-driver	12	Pipe expander
3	Charge hose	8	Knife or wire stripper	13	Inner hexagon spanner
4	Pipe bender	9	Leveler	14	Measuring tape
5	Adjustable wrench	10	Hammer		

3. Installation of the Indoor Unit

⚠ CAUTION

During installation, do not damage the insulation material on the surface of the indoor unit.

3.1 Initial Check

⚠ CAUTION

- When moving the unit after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts.
- Wear protective gears when installing the unit.

3.1.1 Selecting

(1) Select an installation site where the following conditions are fulfilled and that meets with your customer's.

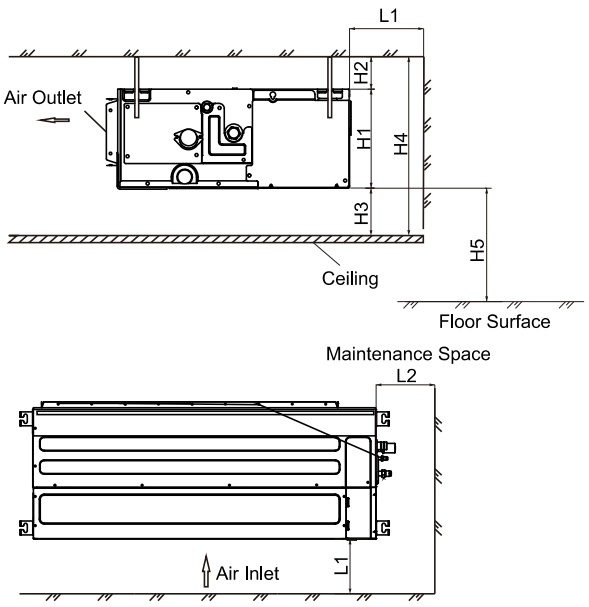
- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.(See Fig.3.1.1)
- Piping between the indoor and outdoor units is within the allowable limits.(refer to the installation of the outdoor unit)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring must be kept at least 1m away from televisions and radio, this prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a one-meter allowance is maintained.)
- Do not install the indoor unit in a machinery shop or kitchen where vapor from oil or its mist flows to the indoor unit. The oil will deposit on the heat exchanger, thereby reducing the performance of the indoor unit, and may deform and in the worst case, break the plastic parts of the indoor unit.
- Use suspension bolts to install the unit, check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.

INSTALLATION

Ducted

(2) Minimum space required for installation.

[unit: in. (mm)]



H1: product height
H2≥ 0.39(10)
H3≥ 2(50)
L1≥ 5.9(150)
L2≥ 18(450)
H5≥ 98(2500)
H4: Size determination with at least a 1% downward slope of the drain pipe.

Fig. 3.1.1

NOTE:

1. Reserve necessary maintenance port when the ceiling is not detachable.
2. The location of the maintenance port should ensures remove electric box cover and internal components are all easy to perform.

3.1.2 Inspection of ceiling openings

(1) Reserve necessary maintenance port when the ceiling is not detachable.

(2) The location of the maintenance port should ensures remove electric box cover and internal components are all easy to perform.

When the height (H) from the ceiling to the bottom plate of the unit is ≥12 in.(300 mm), two access holes are required, as shown in Fig. 3.1.2.

Example 1: [unit: in. (mm)]

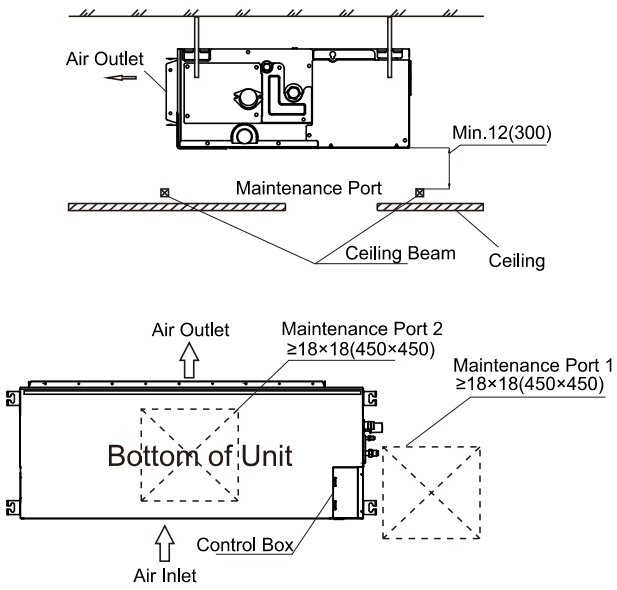
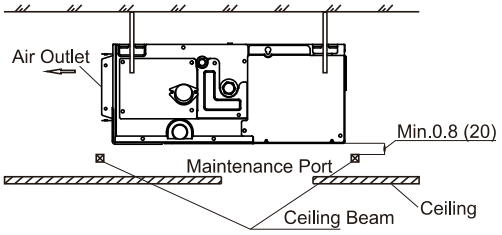


Fig. 3.1.2

When the height (H) from the ceiling to the bottom plate of the unit is <12 in.(300 mm), access holes are required, as shown in Fig. 3.1.3, Fig. 3.1.4.



Example 2: Installation of two access holes

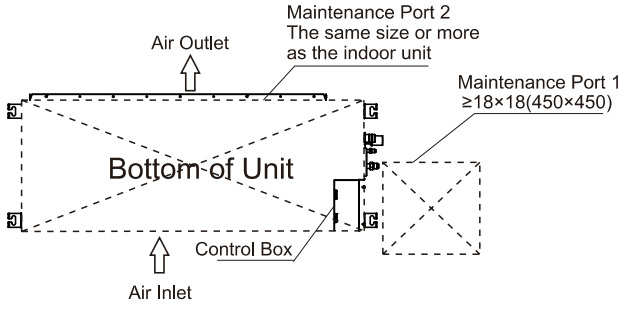


Fig. 3.1.3

Example 3: Installation of one access hole

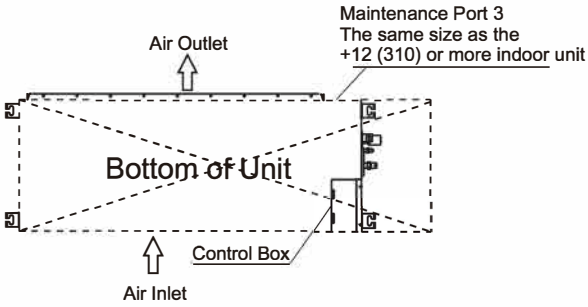


Fig. 3.1.4

3.1.3 For the bottom intake

For bottom intake, replace the chamber lid in the procedure listed in fig.

(1) Remove the chamber lid.

(2) Reattach the removed filter in the orientation shown in Fig. 3.1.5.

Reattach the removed chamber lid in the orientation shown in Fig. 3.1.6, refer to Fig. 3.1.6 for the direction of filter.

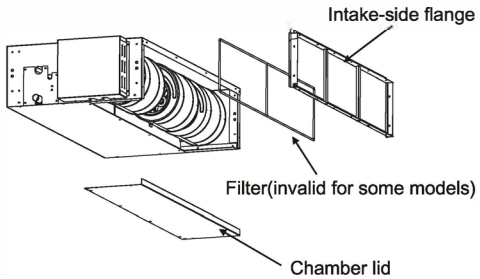


Fig. 3.1.5

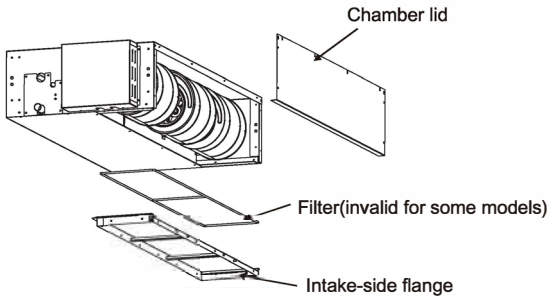


Fig. 3.1.6

3.2 Installation

3.2.1 Suspension bolts

(1) Consider the pipe direction, wiring and maintenance carefully, and choose the proper direction and location for installation.

(2) Install the suspension bolts as shown in Fig. 3.2.1 below.

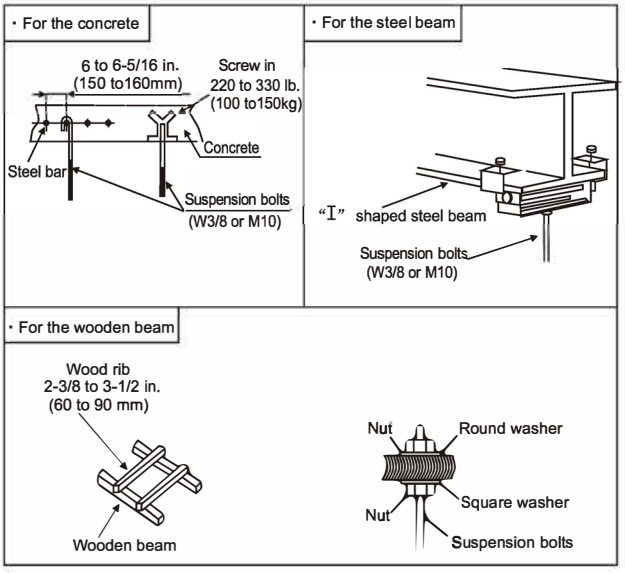
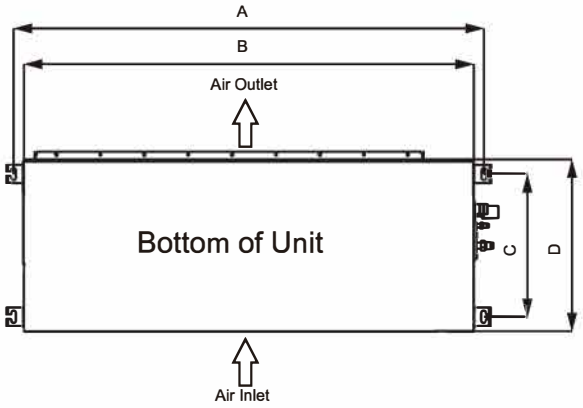


Fig. 3.2.1 Fixing the suspension bolts

3.2.2 The position of the suspension bolts and the pipes

(1) Mark the positions of the suspension bolts, the positions of the refrigerant pipes and the drain pipes.

(2) The dimension are shown below.



[unit: in. (mm)]

Capacity (Btu/h)	A	B	C	D
9K/12K	37-7/8 (961)	35-7/8 (910)	14-3/4 (375)	17-5/8 (447)
18K	33-1/2 (850)	31-1/2 (800)	24-3/8 (620)	27-1/2 (700)
24K	45-1/4 (1150)	43-1/4 (1100)	24-3/8 (620)	27-1/2 (700)

Fig. 3.2. 2 Suspension bolts

Ducted

3.2.3 Install the indoor unit

The installation of the indoor unit is shown in Fig. 3.2.3.

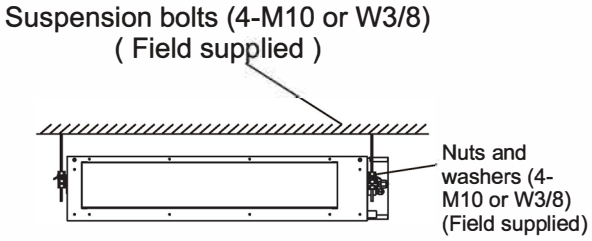


Fig. 3.2.3 The installation of the indoor unit

(1) How to fix the suspension bolts and the nuts
As shown in the figures 3.2.4, the nuts are fixed four bolts.

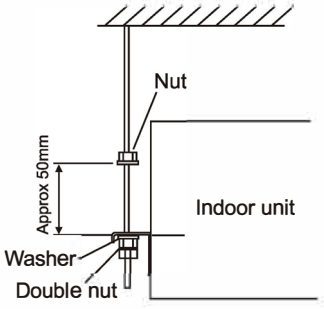


Fig. 3.2.4 Suspension bolts and nuts

(2) Install the indoor unit

·As shown in the following figure, place the left hanger bracket on the nuts and washers of the suspension bolts.

·Make sure that the left hanger bracket has been fixed on the nuts and washers securely, install the right hanger bracket suspension hook on the nuts and washers.

(When installing the indoor unit, you can slightly remove the suspension bolts.)

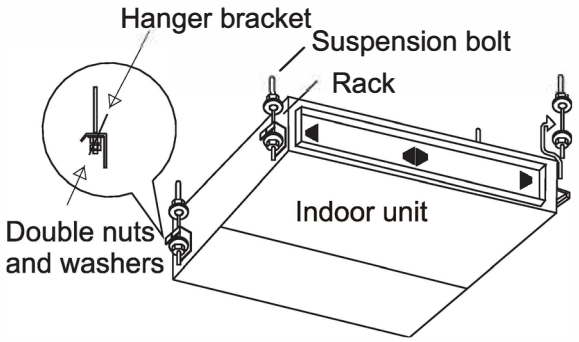


Fig. 3.2.5

3.2.4 Adjusting of the unit level

(1) Check to ensure that the foundation is flat, taking into account the maximum foundation gradient.

(2) The unit should be installed that the drainage side is slightly 0~0.2 in. (0~5 mm) lower than other sides for adequate drainage.

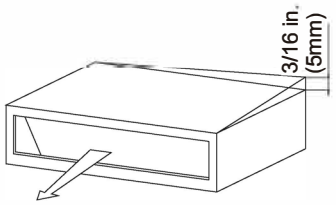


Fig. 3.2.6

(3) After the adjustment, tighten the nuts and swear the thread locker on the suspension to prevent the nuts from loosening.

⚠ CAUTION

(1) During the installation, please cover the unit with the plastic cloth to keep it clean.

(2) Make sure that the unit is installed level by using a level or a plastic pipe filled with water in instead of a level, adjust the top surface of the unit to the surface of the water at both ends of the plastic pipe and adjust the unit horizontally.(one thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping, as this might cause leaking.)

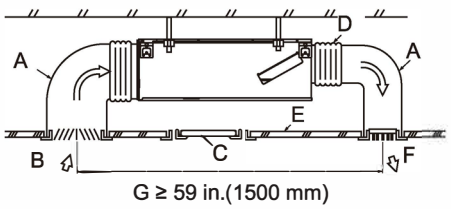
3.2.5 Installing the duct

⚠ CAUTION

- Make sure the external static pressure of the unit is within the range.
- Connect the duct and intake-side flange.
- Connect the duct and outlet-side flange.
- The connection of indoor unit and air duct must be well sealed and kept warm with insulation material.

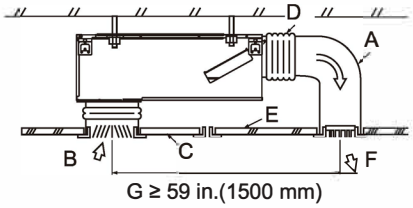
<Example> (For LSP/MSP Type)

A. In case of rear inlet



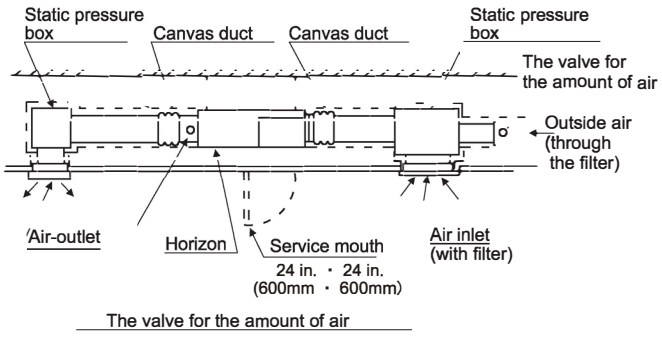
A Duct
B Air inlet
C Access door
D Canvas duct
E Ceiling surface
F Air outlet
G Leave distance enough to prevent short cycle

B. In case of bottom inlet



Ducted

<Example> (For MSP/HSP Type)



4. Refrigerant Pipe

⚠ DANGER

Use the refrigerant according to outdoor nameplate. When carrying on the leakage check and test, do not mix in the oxygen, the acetylene and flammable and the virulent gas, for these gases are quite dangerous, and may possibly cause explosion. It is suggested that the nitrogen be used to perform these experiments.

4.1 Pipe Material

(1) Prepare the copper pipe on the spot.
(2) Choose dustless, non-humid, clean copper pipe. Before installing the pipe, use nitrogen or dry air to blow away the pipe dust and impurity.
(3) Choose the copper pipe according to Fig. 4.1.

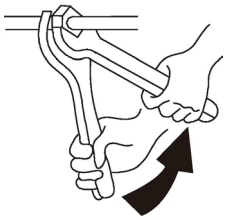
4.2 Pipe Connection

(1) The pipe diameter are shown in Fig. 4.1.

Capacity (Btu/h)	**Gas Pipe** [in. (mm)]	**Liquid Pipe** [in. (mm)]
9K/12K	Φ 3/8 (9.52)	Φ 1/4 (6.35)
18K	Φ 1/2 (12.7)	Φ 1/4 (6.35)
24K	Φ 5/8 (15.88)	Φ 3/8 (9.52)

Fig. 4.1 Pipe diameter

(2) As shown in Fig. 4.2, screw up the nuts with 2 spanners.



Pipe size [in. (mm)]	**Torque [lbf·ft. (N·m)]**
ø 1/4 (6.35)	14.8 (20)
ø 3/8 (9.52)	29.5 (40)
ø 1/2 (12.7)	44.3 (60)
ø 5/8 (15.88)	59.0 (80)
ø 3/4 (19.05)	73.8 (100)

Fig. 4.2 Tightening torque for the nut

(3) After finishing connecting the refrigerant pipes, keep it warm with the insulation material.

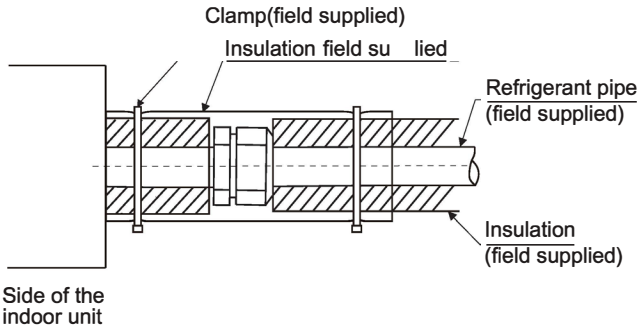
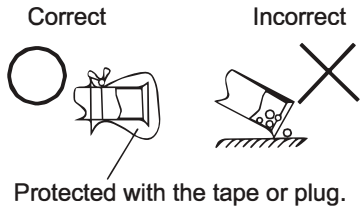


Fig. 4.3 Piping insulation procedure

- The pipe goes through the hole with the seal.
- Do not place the pipes on the floor directly.



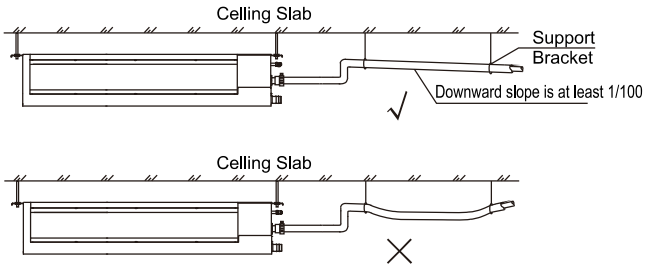
Ducted

5. Drain Piping

5.1 Conduct Drain Piping Work

5.1.1 Draining piping connections

- Prepare polyvinyl chloride pipe with a 1-1/4 in. (32mm) outer diameter.
- The diameter of drain pipe connection hole should be same as that of the drain pipe.
- Keep the drain pipe short and sloping down wards at a gradient of at least 1/100 to prevent air pockets from forming.
- Attach a support bracket at 3.3~4.9 ft. (1~1.5m) intervals for the prevention of piping deflection.
- The highest point of the main drain pipe should be provided with a vent hole, and at least every 16.4 ft.(5m) on the main drain pipe should be provided with a vent hole.

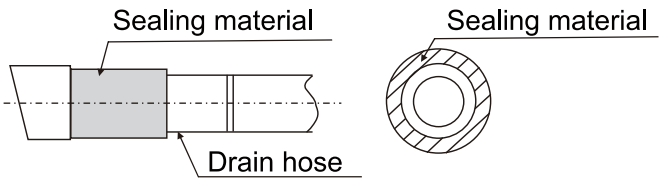


⚠ CAUTION

Water accumulating in the drain piping can cause the drain to clog.

⚠ CAUTION

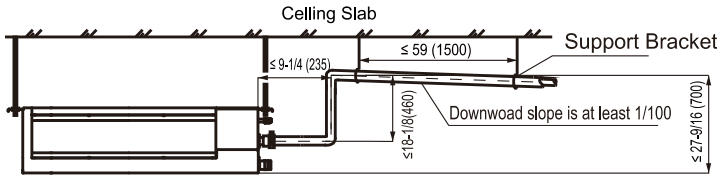
- Use the drain hose and the clamp. Insert the drain hose fully into the drain socket and firmly tighten the drain hose and warm-keeping material with the clamp.
- The two areas below should be insulated because condensation may happen there causing water leakage. Drain piping passing indoors and Drain sockets.
- Referring the figure below, insulate the drain socket and drain hose using the included large sealing pad.



5.1.2 Connection mode of the drain pipe with a drain drain pump unit

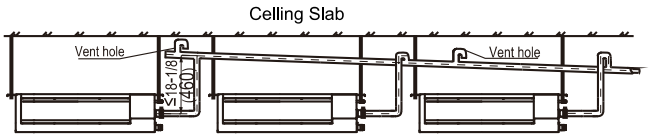
(1) The drain pipe for a single indoor unit

[unit: in. (mm)]



(2) The drain pipe for multiple indoor units through the main drain pipe

[unit: in. (mm)]



NOTE:

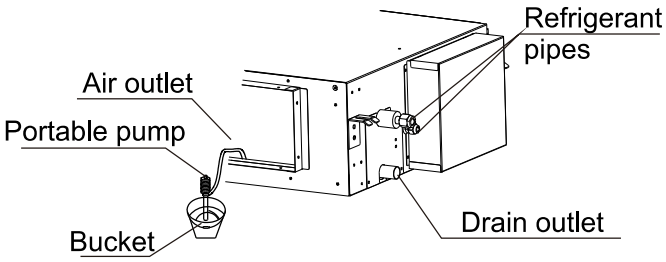
Select the diameter of the concentrated drain piping to suit the capacity of equipment connecting to the concentrated drain piping (see the equipment design sheet).

⚠ CAUTION

- Do not connect the drain pipes directly to sewage pipes to avoid ammonia odour. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, doing so applies excessive force applied on it and may also cause leakage.

5.2 Check Draining of the Piping

- After piping work is finished, check if drainage flows smoothly.
- Gradually pour approximately 1000 cc of water from the outlet hole into the drain pan to check drainage flow.
- Check the drainage as shown below:



Ducted

6. Electrical Wiring

6.1 General Check

⚠ CAUTION

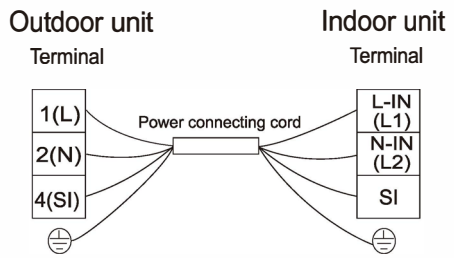
- Before proceeding with electrical connections, make certain that power supply are as specified on the unit rating plate. See unit wiring label for proper field high and low-voltage wiring. Make all electrical connections in accordance with the NEC and any local codes or ordinances that may apply. Refer to the NEC(USA) or CSA (Canada) for wire sizing. Use copper wire only.
- Every installation must include an NEC(USA) or CSA (Canada) approved over-current protection device.

⚠ WARNING

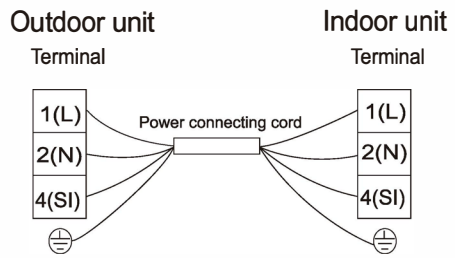
Disconnect all power before servicing or installing this unit.
To avoid the electrical shock, please ensure the air conditioner is proper grounded.
All routing of electrical wiring must be made through provided electrical knockouts.
Do not cut, puncture or alter the cabinet for electrical wiring.
Knockouts are provide on the indoor unit top panel and sides of the cabinet to allow for the entry of the supply voltage conductors. If the knockouts on the cabinet sides are used for electrical conduit, an adapter ring must be used in order to meet UL 60335 safety requirements. An MEC or CEC approved strain relief is to be used at this entry point. Some codes/municipalities require the supply wire to be enclosed in conduit.
Consult your local codes.

Electrical Wiring Diagram

9K/12K



18K/24K



Note:
Since there may be differences in some model's terminal blocks, wiring connection should be done according to letters on the terminal block. Please disregard numbers in this case.

INSTALLATION

Ducted

6.2 Change of Static Pressure

The static pressure can be freely adjusted by using specific wired controller. (For more information, please refer to other technical files or contact local technical service center of our company.)

Capacity (Btu/h)	The Range of Static Pressure	Function Code Set
9K/12K	0-0.20 in. H_2O (0-50Pa)	0-50 function code value equals static pressure value, more than 45 is 0.18 in. H_2O (45Pa). [default: 0.18 in. H_2O (45Pa)]
18K	0-0.56 in. H_2O (0-140Pa)	0-140 function code value equals static pressure value, more than 45 is 0.18 in. H_2O (45Pa). [default: 0.18 in. H_2O (45Pa)]
24K	0-0.66 in. H_2O (0-165Pa)	0-165 function code value equals static pressure value, more than 145 is 0.58 in. H_2O (145Pa). [default: 0.58 in. H_2O (145Pa)]

Note: The pressure loss of filter is included in the data above.

6.3 Electrical Installation

⚠WARNING

- This product must be installed on a single dedicated electrical circuit. Circuit breaker protection must be installed in accordance with this manual. In moist and humid locations, an ELB type circuit breaker must be used.
- Do not operate the system until all the check points have been cleared.

(A) Check to ensure that the insulation resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

(B) Check to ensure that the stop valves of the outdoor unit are fully opened and then start the system.

- Pay attention to the following items while the system is running.

Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 194°F (90°C).

Capacity (Btu/h)	Transmitting Cable Size
9k-24k	4×14AWG

Note：

(1) Follow local and national codes codes and regulations when select field wires, and all the above are the minimum wire size.

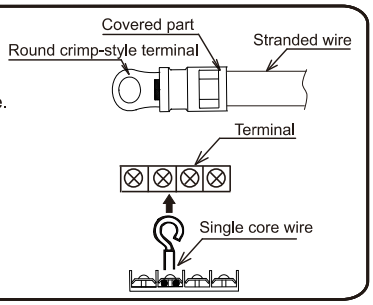
(2) Use copper supply wires.

(3) Install main switch and ELB for each system separately. When using an ELB, select the high response type ELB that is acted within 0.1second.

<Attentions when Connect the power supply wiring>

1. When connecting the terminal block using stranded wire, make sure to use the round crimp-style terminal for connection to the power supply terminal block. Place the round crimp-style terminals on the wires up to the covered part and secure in place.

2. When connecting the terminal block using a single core wire, be sure to perform curing.



Ducted

7. Test Run

Please perform test run according to outdoor unit installation manual.

INSTALLATION

Wall Mount

C.2 Clearances

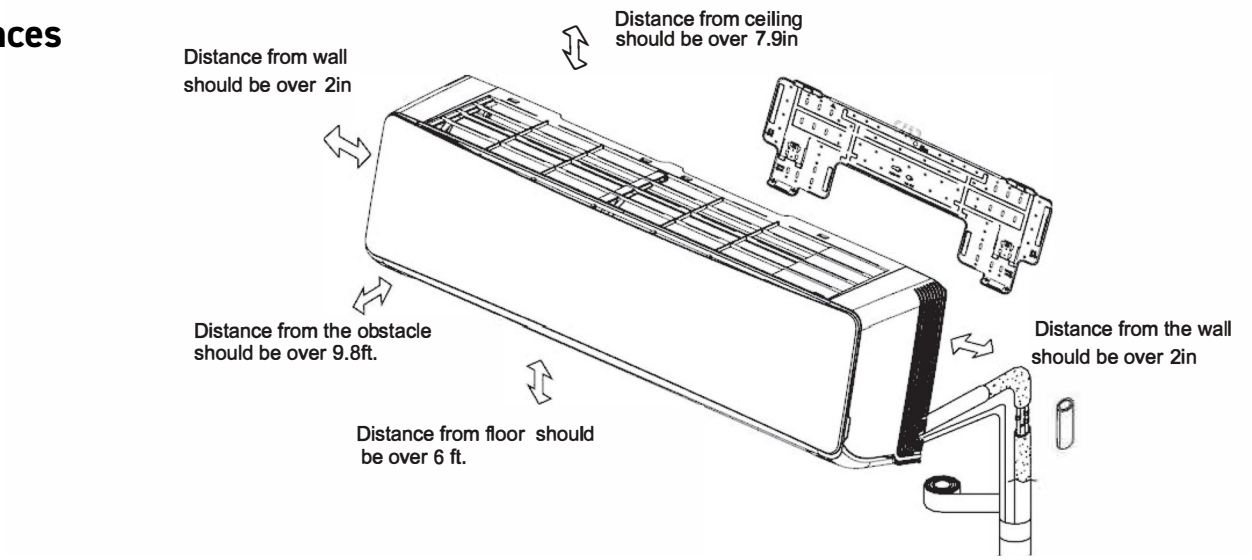


Figure C.2

INSTALLATION

Wall Mount

C.3 Pre-Installation Checkpoints

1. Ensure there are no obstacles near the air outlet and air can be easily blown to every corner.
2. Where piping and wall hole can be easily arranged.
3. Keep the required space from the unit to the ceiling and wall according to the installation diagram on previous page.
4. Where the air filter can be easily removed.
5. Keep the unit and remote controller 3 ft or more apart from television, radio etc.
6. Keep as far as possible from fluorescent lamps.
7. Do not put anything near the air inlet to obstruct it from air absorption.
8. Install on a wall that is strong enough to bear the weight of t he unit.
9. Install in a place that will not increase operation noise and vibration.
10. Refer to Table C.3.3 for max line set length and max elevation.
11. Refer to the Outdoor Unit Installation and operation manual for piping requirements, refrigerant charging, and operational checks.

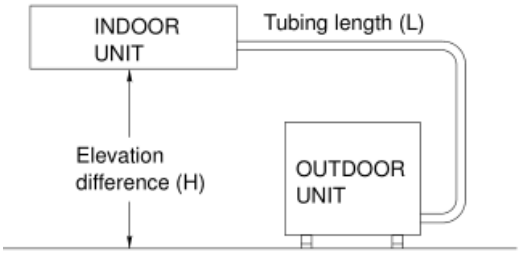


Figure C.3.1

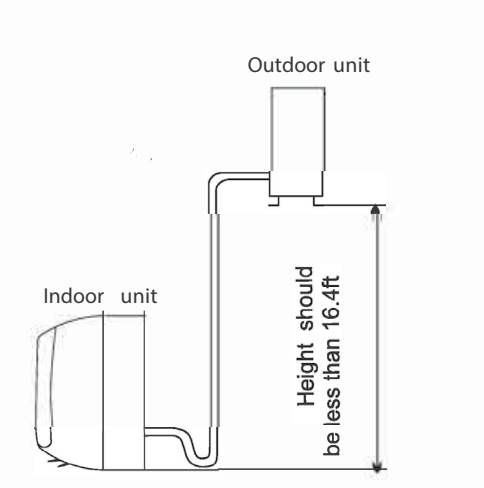


Figure C.3.2

Capacity (Btu/h)	Pipe Size		Standard Length (ft)	Max. Elevation H (ft)	Max. Length L (ft)	Additional Refrigerant (oz/ft)
	LIQUID	GAS				
7k	1/4"	3/8"	25	50	66	.22
9k	1/4"	3/8"	25	50	66	.22
12k	1/4"	3/8"	25	50	66	.22
18k	1/4"	1/2"	25	50	100	.22
24k	3/8"	5/8"	25	50	100	.32

Table C.3.3

⚠WARNING

Fire Hazard

A2L refrigerant is classified as mildly flammable. Temperatures on surfaces that may be exposed to leakage of FLAMMABLE REFRIGERANTS shall not exceed 1292°F

⚠WARNING

Refigeration System Under High Pressure

Do not puncture, heat, expose to flame or incinerate.
Only certified refrigeration technicians should service this equipment.
R-32 and R-454B systems operate at higher pressures than R22 equipment.
Appropriate safe service and handling practices must be used.
Only use gauge sets designed for use with R32 and R-454B.
Do not use standard R22 gauge sets..

INSTALLATION

Wall Mount

C.4 Install Mounting Plate

1. Installing the Mounting Plate

1) Decide an installing location for the mounting plate according to the indoor unit location and piping direction.
2) Find the center of the mounting plate according to the mark on it. Then Install a screw to fix it preliminary.
3) Keep the mounting plate horizontally with a horizontal ruler or dropping line.
4) Drill holes of 1 1/4" in depth on the wall for fixing the plate.
5) Fix the mounting plate with as least 7 self-tapping screws. For some mounting plates with a holder in the middle , at least 8 screws are required. (Fig. C.4.1).
6) Inspect if the mounting plate is well fixed. Then drill a hole for piping.

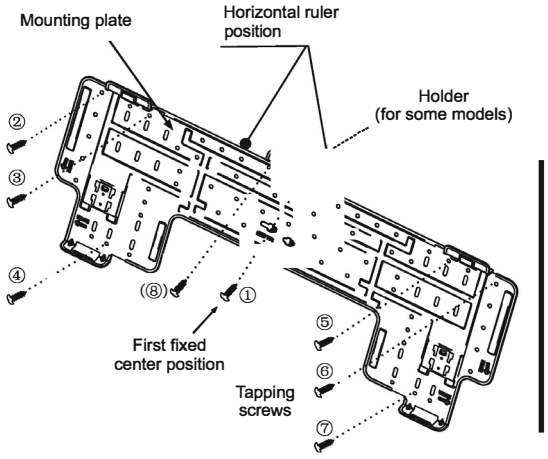


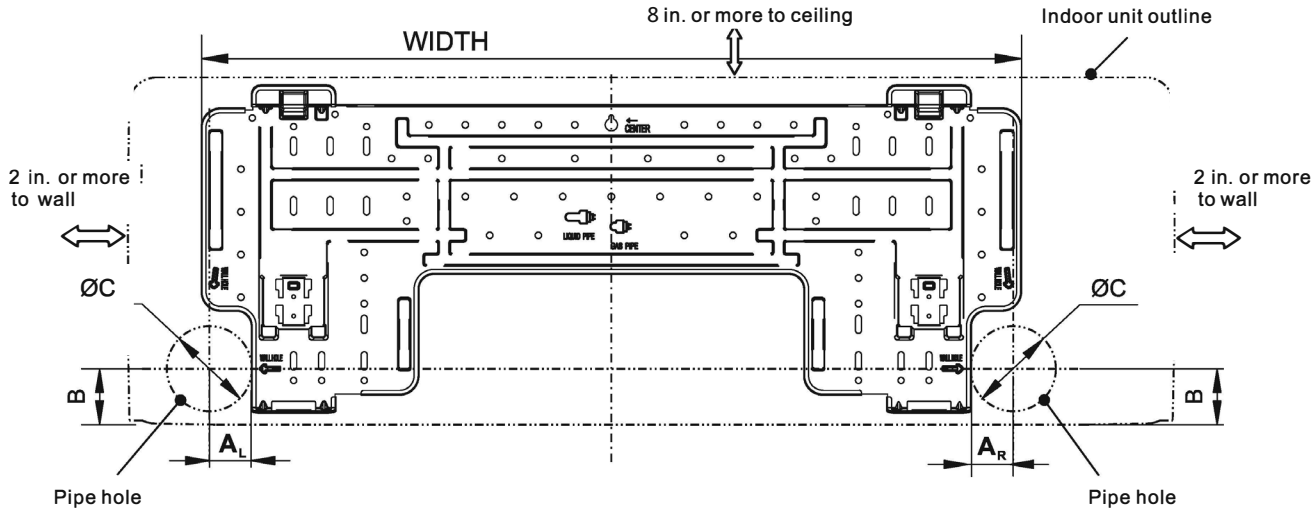
Fig. C.4.1

Note: It is recommended to install screw anchors for sheet rock, concrete block, brick and such type of wall.

Note: The center of the mounting bracket may be not the center of the indoor unit.

Note: The shape of your mounting plate may be different from the one above, but installation method is similar.

- ***THE MOUNTING PLATE DIAGRAMS AND DIMENSIONS (Recommended)***



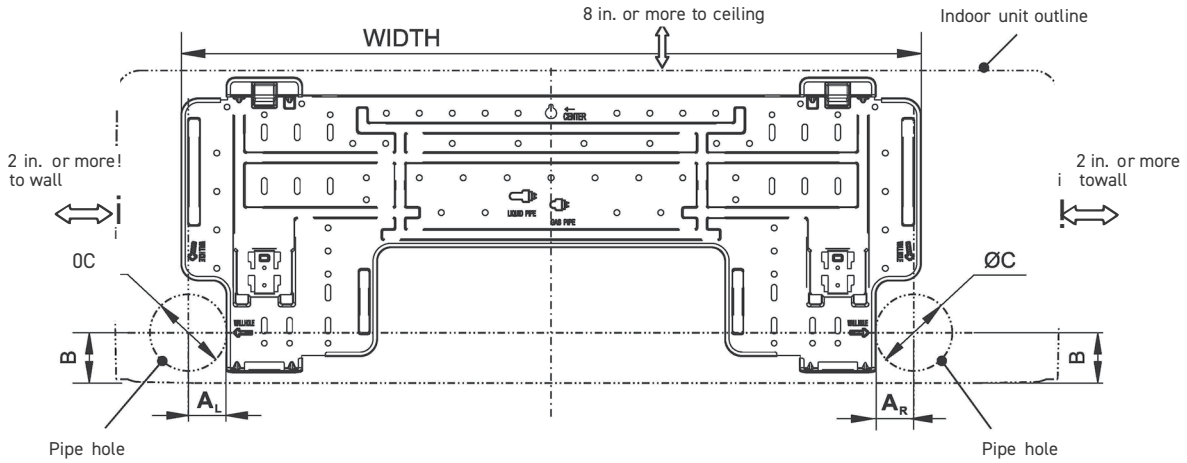
For 7K/9K/12K Series Models, WIDTH: 26 5/8 in.

C.4.2

INSTALLATION

Wall Mount

C.4 Install Mounting Plate



For 18K/ 24K Series Models, WIDTH: 37 5/8in.

C. 4.3

INSTALLATION

Wall Mount

C.5 Drill Hole for Piping

Table of Wall Hole Mounting size per Unit Size

Unit Model	Size A_L	Size A_R	Size B	Size C
	in	in	in	in
7K/9K/12K Series	1 3/8 in	1 3/8 in	1 3/4 in	2 3/4 in
18K/24K Series	4 7/8 in	6 1/2 in	2 in	2 3/4 in

2. Drill a Hole for Piping

1) Decide the position of hole for piping according to the location of mounting plate.
2) Drill a hole on the wall. The hole should tilt a little downward toward outside.
3) Install a sleeve through the wall hole to keep the wall tidy and clean. (Fig. C.5)

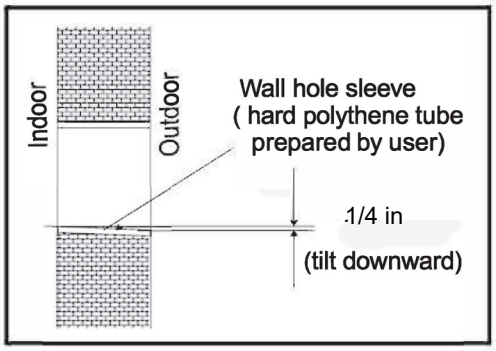


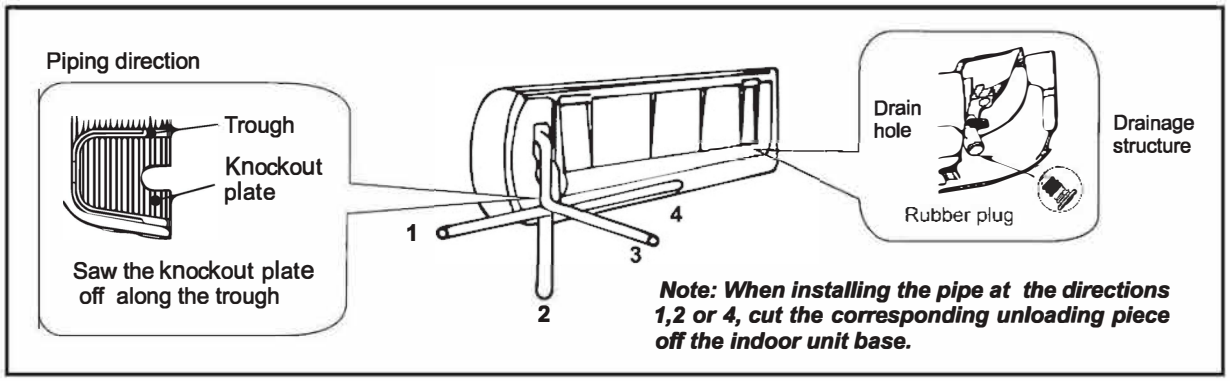
Fig. C.5

INSTALLATION

Wall Mount

C.6 Piping Provisions

1) Put the piping (liquid and gas pipe) and cables through the wall hole from outside or put them through from inside after indoor piping and cables connection is complete to connect to the outdoor unit.
2) Decide whether to cut the knockout plate in accordance with the piping direction. (Fig. C.6.1)



Note:Drain hose can be installed on either side of the unit. If choosing both sides drainage connection, another proper drain hose is needed as there is only one drain hose attached to the unit. If choosing one side drainage connection, make sure the drain hole on the other side is well plugged.

- Put the piping (liquid and gas pipe) and cables through the wall hole from outside.

1 Cut the liquid pipe and gas pipe to the right length according to the position mark on the wall mounting plate (Fig. C.6.2). Ensure that the cut is flat (Fig. C.6.3).

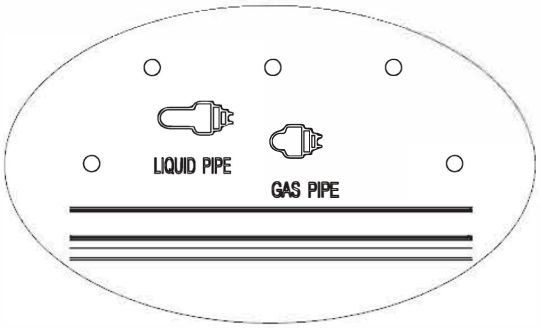


Fig.C.6.2

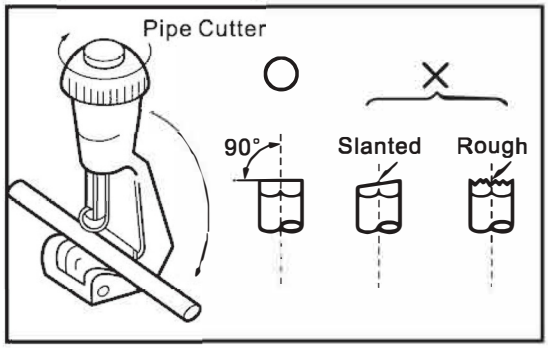


Fig.C.6.3

2 Remove burrs on the cutting edges. Keep the pipe outlet down to avoid getting the metal burrs into the pipe(Fig. C.6. 4).

3 Flare the pipes. Insert the pipe outlet into the copper nut before flaring the pipe. Ensure that the hole is flat with sound surface and even thickness. (Fig. C.6.5)

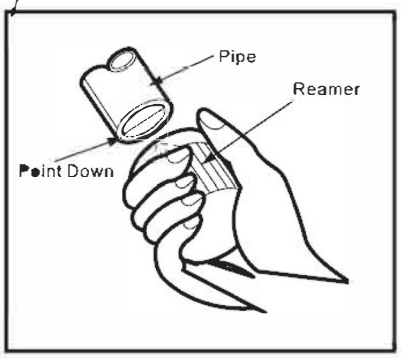


Fig. C.6. 4

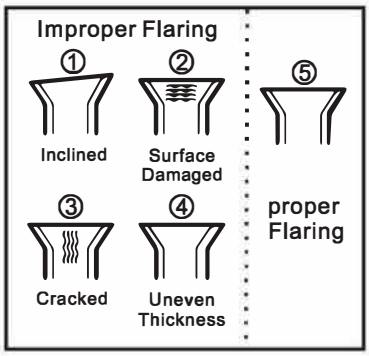


Fig. C.6.5

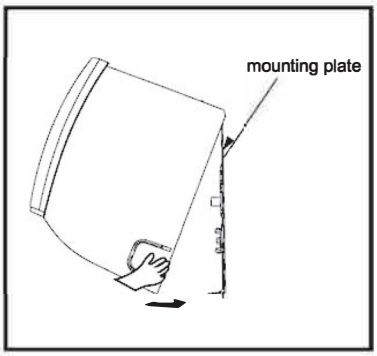


Fig. C.7.1

INSTALLATION

Wall Mount

C.7 Indoor Unit Installation

1 Hang the unit onto mounting plate (Fig. C.7.1).

2) In the A position, open the front panel as shown in Fig. C. 7.2.
3) In the B position, open the screw covers as shown in Fig. C.7.3 and remove the screws. (Note: For some models, you need to remove 3 screws.)
4) In the C position, open the front shell as shown in Fig. C. 7.4 . Then in the D position, push the baffles to prevent the front shell from falling as shown in Fig. C. 7.5.

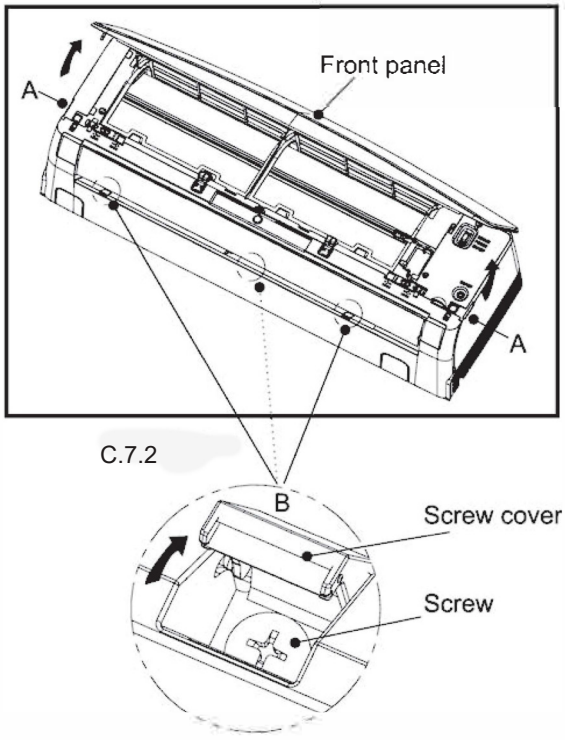


Fig.C.7.3

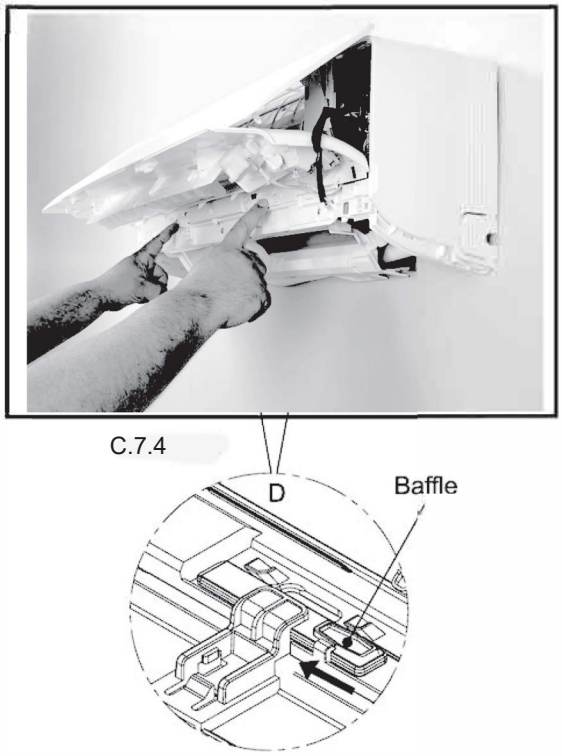


Fig.C.7.5

5) Use the support plate to move the unit step by step to reach the best location. (Fig. C. 7.6 and Fig. C. 7.7).

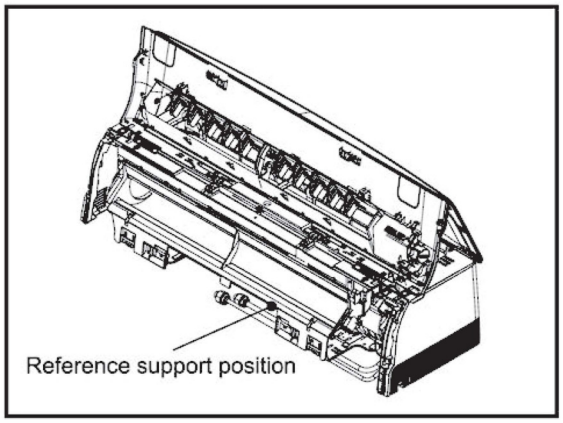


Fig. C. 7.6

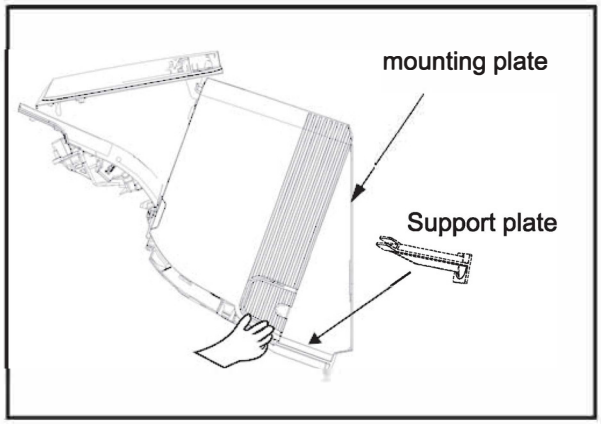


Fig. C. 7.7

Note: The appearance of the model in this manual may differ from that of the air conditioner you have selected.

INSTALLATION

Wall Mount

C.7 Indoor Unit Installation

6) Connect the piping .

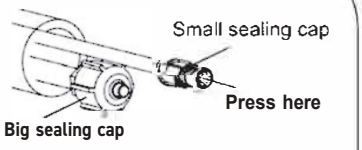
Piping Connection:

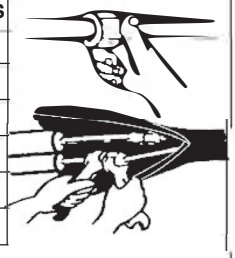
a.Before unscrewing the big and the small sealing caps, press the small sealing cap with the finger until the exhaust noise stops, and then loosen the finger.

b.Connect indoor unit pipes with two wrenches. Pay special attention to the allowed torque as shown below to prevent the pipes, connectors and flare nuts from being deformed and damaged.

c. Pre-tighten them with fingers at first, then use the wrenches.

If you don't hear the exhaust noise, please contact customer service.





Model	Pipe size (inches)	Torque (ft lbs	Nut width	Min.thickness
7K-18K	LiquidSide (1/4)	11-15ft-lbs	5/8"	0.02 "
24K-36K	Liquid Side (3/8)	22-26ft-lbs	7/8"	0.024"
7K-12K	GasSide(cl> 9.53 or 3/8)	22-26ft-lbs	7/8"	0.024"
18K	GasSide(cl>12 or1/2)	37-41ft-lbs	15/16"	0.024"
24K	GasSide(cl>16or 5/8)	44-48ft-lbs	1 1/8"	0.024"

Table C.7.8

7) After connecting piping as required, install the drain hose. Then connect the power cords. After connecting, wrap the piping, cords and drain hose together with thermal insulation materials(Fig. C.7.9-C.7.11).

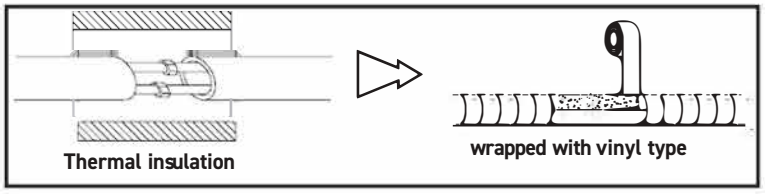


Fig. C.5.9

Note: Wrap the piping joints with thermal insulation materials and then wrap with a vinyl tape.

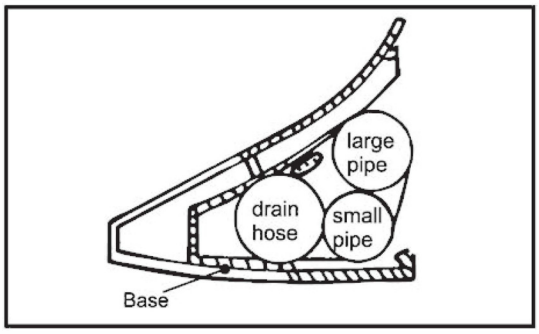


Fig. C.5.10

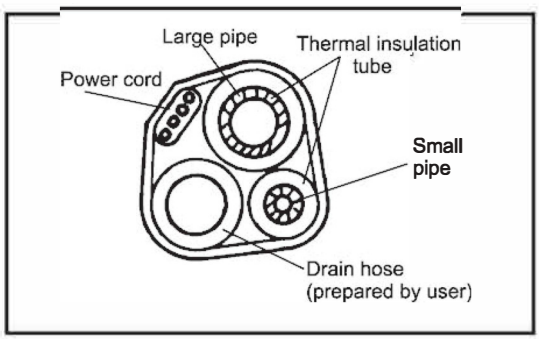


Fig. C.5.11

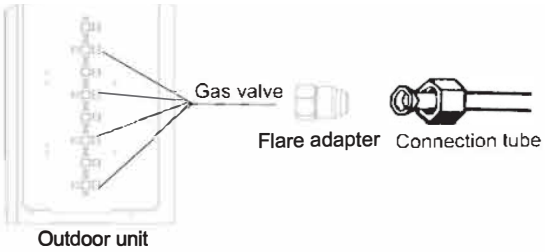
Note: Place the drain hose under the pipes.
Note: Insulation material uses polythene foam over 1/4" (6) mm in thickness.
Note: Drain hose Is prepared by user.
Note: Note: The appearance of the model in this manual may differ from that of the air conditioner you have selected.

INSTALLATION

Wall Mount

C.7 Indoor Unit Installation

The 18K/24K indoor unit include the switch tie-in accessory only for 18K/24K indoor if required. It may switch 3/8" gas connection tube into 1/2" or 5/8" connection tube.
It is installed outdoor unit.



8) Connect the power connecting cord (Fig. C.5.12).

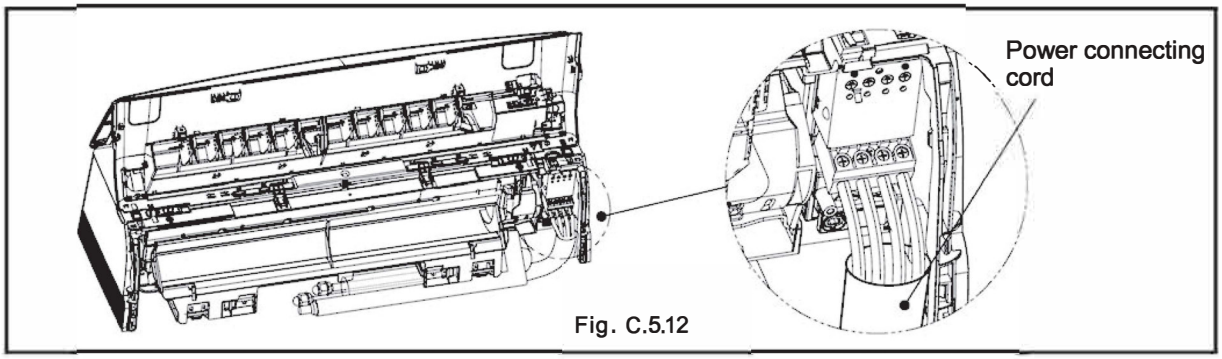


Fig. C.5.12

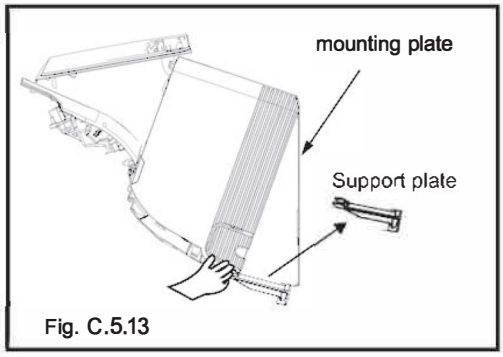


Fig. C.5.13

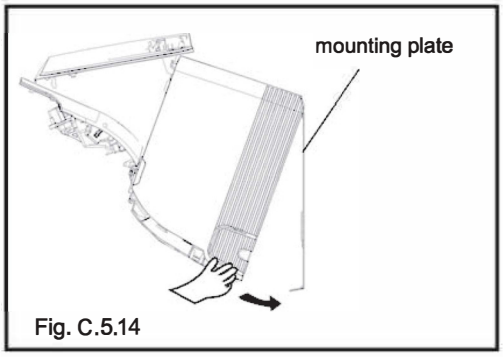
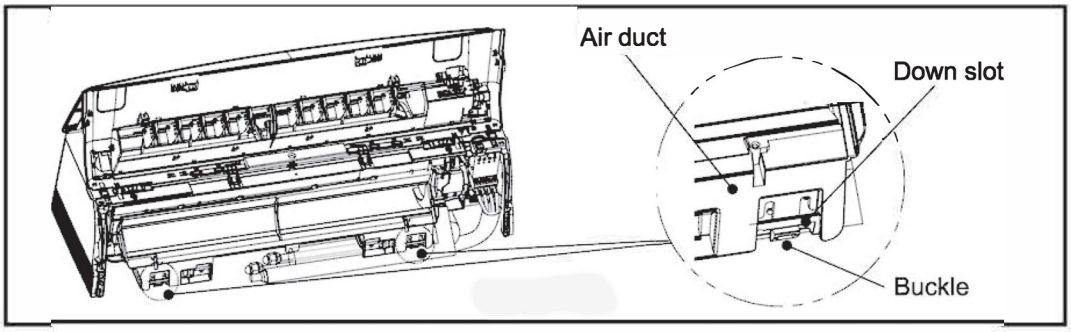


Fig. C.5.14

9) Remove the support plate as shown in Fig. C.5.13 Then move the unit step by step to reach the best installation, then press the 2 buckles of the air duct into 2 down slots of the mounting plate.(Fig. C.5.14 and Fig.C.5.15)



C.5.15

INSTALLATION

Wall Mount

C.7 Indoor Unit Installation

10) Pull the baffles as shown in Fig. C.5.20 Close the front shell as shown in Fig. C.5.21 . Then press the E position to fasten the front shell as shown in Fig. C.5.22

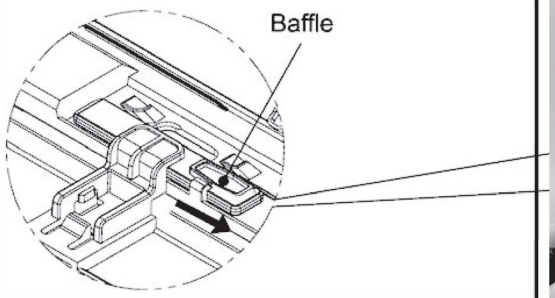


Fig. C.5.20

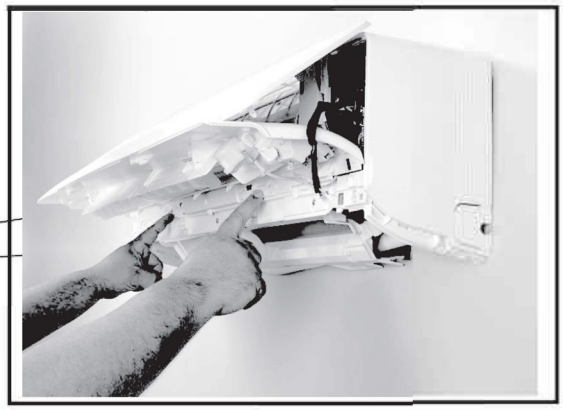
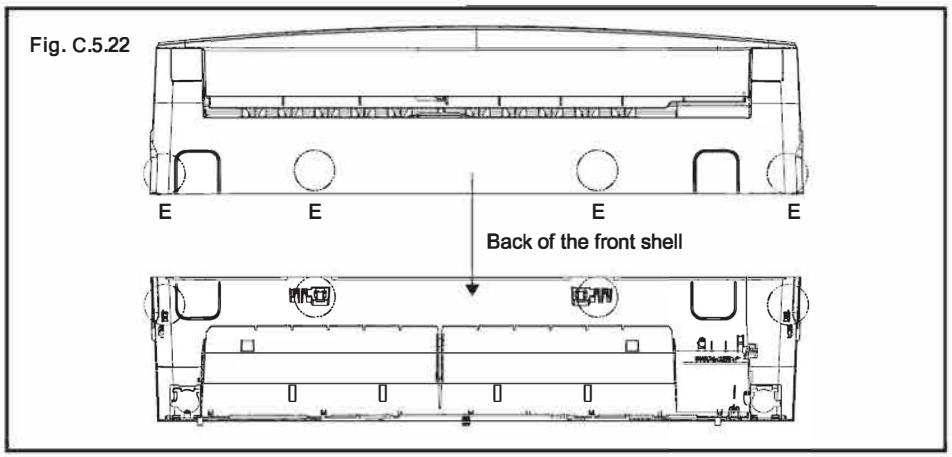


Fig.C.5.21



11) Install the screws and close the screw covers as shown in Fig. C.5.23 (Note: For some models, you need to install 3 screws.)

12) Close the front panel as shown in Fig. C.5.24

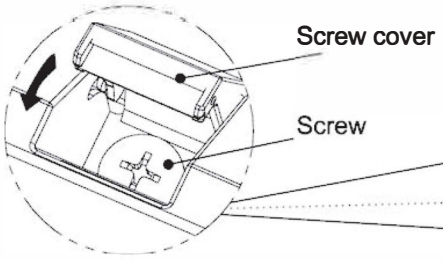


Fig.C.5. 23

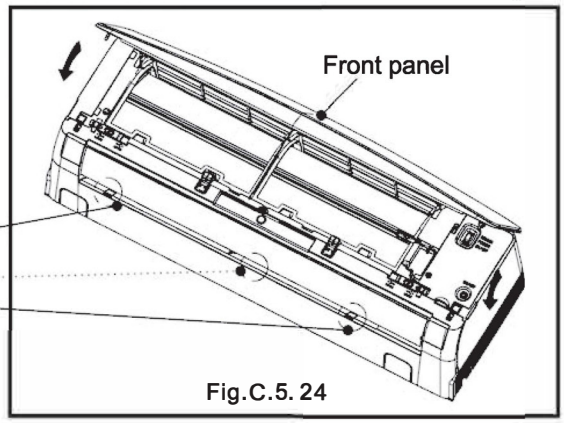


Fig.C.5. 24

Note: The appearance of the model in this manual may differ from that of the air conditioner you have selected.

INSTALLATION

Wall Mount

⚠WARNING

Electrical Shock Hazard

Always ensure power is disconnected before attempting to connect wires.

GROUNDING	Unit MUST be grounded from branch circuit to unit, or through separate ground wire. Be sure that branch circuit or general purpose outlet is grounded. Do NOT use an extension cord.
ELECTRICAL DISCONNECT	If national or local electrical codes require an electrical disconnect for the indoor unit, use a 3 pole disconnect.

Model	Wire Diameter(AWG) Interconnecting Wire
7-9k	14-4 AWG 600V THHN
12k	14-4 AWG 600V THHN
18k	14-4 AWG 600V THHN
24k	14-4 AWG 600V THHN
Table E.1	

NOTE: All communication wire must be stranded wire

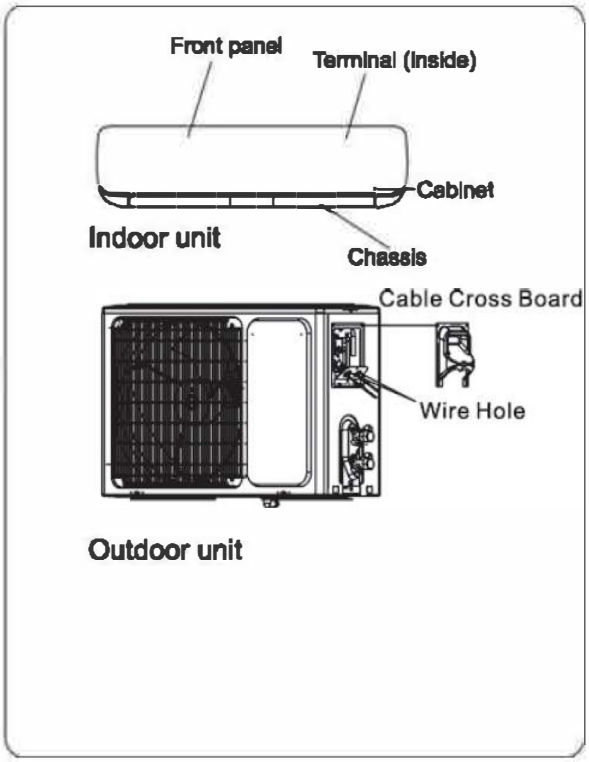


Figure E.2

Indoor Unit

Connect the power cord to the indoor unit by connecting the wires to the terminals on the control board individually in accordance with the outdoor unit connection.

Note: For some models, it is necessary to remove the cabinet to connect to the indoor unit terminal.

·Outdoor Unit

1. Remove the cable cross board from the unit by loosening the screw. Connect the wires to the terminals on the control board individually per circuit diagram posted on inside of access door. Refer to Figure E.2.
2. Secure the power cord onto the control board with cable clamp.
3. Reinstall the cable cross board to the original position with the screw.

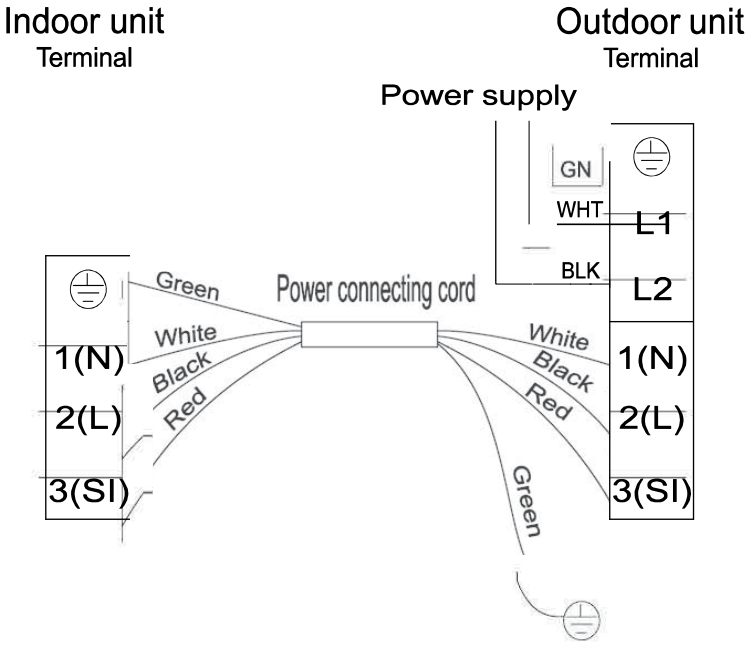
INSTALLATION

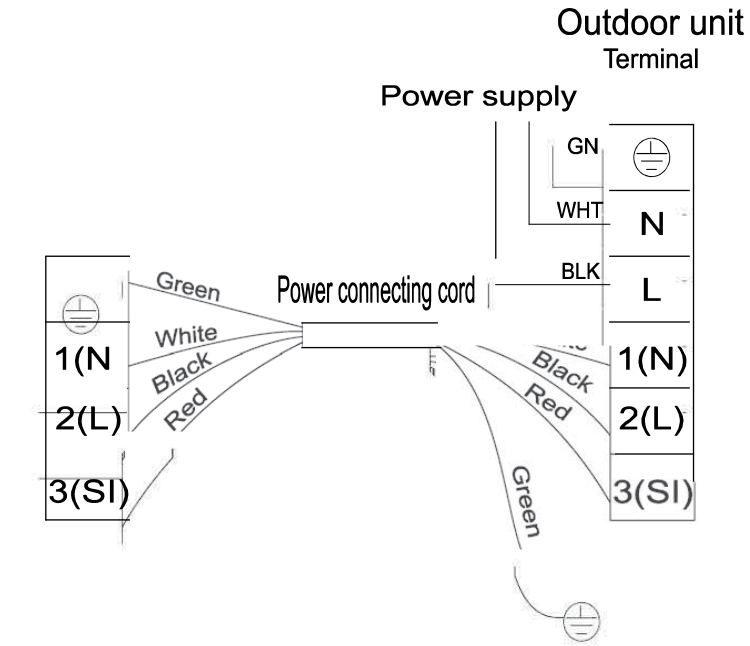
Wall Mount

E.1 Indoor Unit Wiring Connection Diagram

Make sure that the color of the wires in the outdoor unit and terminal No. are the same as those of the indoor unit.

1) 208/230V





☑ **Diagram is reference only, actual product terminals should be followed.**

Test Run

Please perform test run according to outdoor unit installation manual.

INSTALLATION

Outdoor Unit

⚠ WARNING

- That pipe-work including piping material, pipe routing, and installation shall include protection from physical damage in operation and service, and be in compliance with national and local codes and standards, such as ASHRAE 15, ASHRAE 15.2, IAPMO Uniform Mechanical Code, ICC International Mechanical Code, or CSA B52. All field joints shall be accessible for inspection prior to being covered or enclosed;
- That after completion of field piping for split systems, the field pipework shall be pressure tested with an inert gas and then vacuum tested prior to refrigerant charging.
- Field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0,25 times the maximum allowable pressure. No leak shall be detected. The joints must be welded or brazed.

Label in accessory bag

Contains Flammable Refrigerants
Contient des réfrigérants inflammables

Refrigerant:
Fluide frigorigène: R454B

Additional Charge:
Charge supplémentaire: ____ oz

Total Charge (Installer Reference):
Charge totale (Référence du Programme d'installation): ____ oz

Max. Refrigerant Charge Amount X[oz.(g)]

Model(Btu/h)	18K	27K	36K	42K
Max. Refrigerant charge [oz.(g)]	69.67(1975)	101.34(2873)	127(3600)	128.33(3638)

Minimum room size R-454B refrigerant is determined by total refrigerant charge in system. Use this chart to determine the minimum room size the indoor head can be installed in without an A2L Sensor. 7k, 9k, and 12k 208/230V indoor heads are capable off adding an optional accessory A2L sensor. All cassettes and Ducted units have an A2L sensor installed and are exempt from the room size restriction.
Prior to installing the unit use the formulas below to determine the total refrigerant charge for the unit. If the total charge is less than 64 oz. there is no room size restriction. If the total charge is over 64 oz. refer to the the Required Minimum Room Area chart to determine the minimum square footage of the room the indoor unit can be installed in. If rooms are connected by opening that people can walk through but with no door installed, those areas can be considered one space. If the total refrigerant charge exceeds the room area, the indoor unit shall not be installed without an A2L sensor.

Outdoor Unit

⚠ WARNING

Required minimum room area Y [ft.^{2}(m^2)]

X[oz.(g)]	Ducted unit		Cassette unit		Wall-mounted unit	
	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]	Return air outlet height [ft.(m)]	Y[ft.^{2}(m^2)]
<63.49(1800)	No restriction					
63.49(1800)		60(5.5)		60(5.5)		73(6.8)
67.02(1900)		63(5.8)		63(5.8)		77(7.1)
70.55(2000)		66(6.1)		66(6.1)		81(7.5)
74.08(2100)		69(6.4)		69(6.4)		85(7.9)
77.60(2200)		73(6.8)		73(6.8)		90(8.3)
81.13(2300)		77(7.1)		77(7.1)		93(8.6)
84.66(2400)		80(7.4)		80(7.4)		97(9.0)
88.18(2500)		83(7.7)		83(7.7)		102(9.4)
91.71(2600)		86(8.0)		86(8.0)		106(9.8)
95.24(2700)		90(8.3)		90(8.3)		109(10.1)
98.77(2800)		93(8.6)		93(8.6)		113(10.5)
102.29(2900)		95(8.9)		95(8.9)		118(10.9)
105.82(3000)		99(9.2)		99(9.2)		122(11.3)
109.35(3100)		103(9.5)		103(9.5)		125(11.6)
112.88(3200)		106(9.8)		106(9.8)		130(12.0)
116.40(3300)		109(10.1)		109(10.1)		134(12.4)
119.93(3400)	7.2(2.2)	112(10.4)	7.2(2.2)	112(10.4)	5.9(1.8)	138(12.8)
123.46(3500)		115(10.7)		115(10.7)		141(13.1)
126.99(3600)		120(11.1)		120(11.1)		146(13.5)
130.51(3700)		123(11.4)		123(11.4)		153(14.2)
134.04(3800)		126(11.7)		126(11.7)		162(15.0)
137.57(3900)		130(12.0)		130(12.0)		170(15.8)
141.10(4000)		133(12.3)		133(12.3)		179(16.6)
144.62(4100)		136(12.6)		136(12.6)		188(17.4)
148.15(4200)		139(12.9)		139(12.9)		197(18.3)
151.68(4300)		142(13.2)		142(13.2)		207(19.2)
155.21(4400)		146(13.5)		146(13.5)		217(20.1)
158.73(4500)		151(14.0)		151(14.0)		226(21.0)
162.26(4600)		159(14.7)		159(14.7)		236(21.9)
165.79(4700)		165(15.3)		165(15.3)		247(22.9)
169.32(4800)		173(16.0)		173(16.0)		258(23.9)
172.84(4900)		180(16.7)		180(16.7)		268(24.9)
176.37(5000)		187(17.3)		187(17.3)		279(25.9)

INSTALLATION

Outdoor Unit

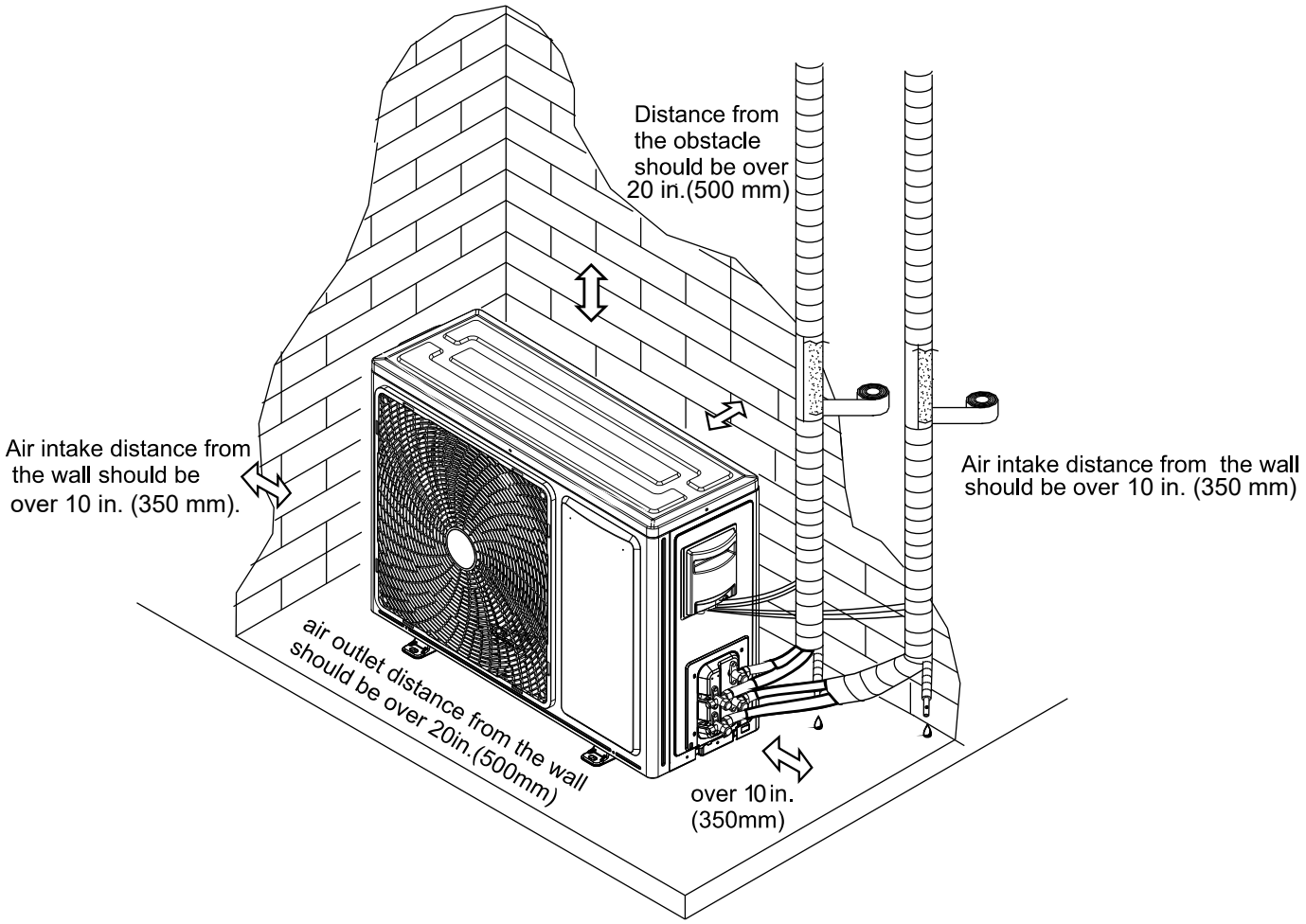
Explanation of symbols displayed on the indoor unit or outdoor unit.

Refrigerant safety group **A2L**	**WARNING**	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

INSTALLATION

Outdoor Unit

Installation diagram



outdoor unit

- ***Figures in this manual are only a simple presentation of the unit, it may not match the external appearance of the unit you purchased.***
- ***Installation must be performed in accordance with the national wiring standards by authorized personnel only.***

INSTALLATION

Outdoor Unit

Transportation and handling before installation

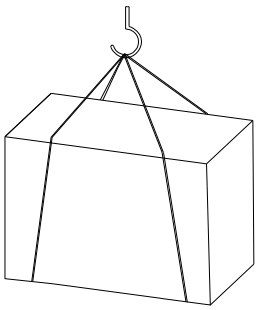
Transport the product as close to the installation location as practical before unpacking.

• Handling Method

When hanging the unit, ensure a balance of the unit, check safety and lift up smoothly.

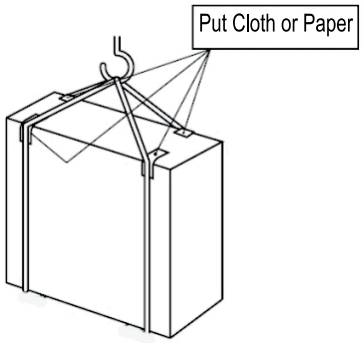
(1) Do not remove any packing materials.

(2) Hang the unit under packing condition with two ropes, as shown in Fig below.



• Handling

If have no package to move, Please protect with cloth or paper.



Installation locations selection

Before choosing the installation site, obtain user approval.

- Where it is not exposed to strong wind.
- Where airflow is good and clean.
- Where it is not exposed to rain and direct sunshine.
- Where neighbors are not annoyed by operation sound or hot air.
- Where rigid wall or support is available to prevent the increase of operation sound or vibration.
- Where there is no risk of combustible gas leakage.
- Where it is at least 3m away from the antenna of TV set or radio. An amplifier may be required for the affected device.
- Install the unit horizontally.
- Please install it in an area not affected by snowfall or blowing snow. In areas with heavy snow, please install a canopy, a pedestal and/or some baffle boards.

⚠ CAUTION:

Avoid the following places for installation where air conditioner trouble is liable to occur.

- Where there is much machine oil.
- Salty places such as seaside.
- Where sulfide gas is generated such as a hot spring.
- Where there is high-frequency or wireless equipment.

NOTE:

When operating the air conditioner in low outside temperature, be sure to follow the instruction describe below.

- Never install the outdoor unit in a place where its air inlet/outlet side may be exposed directly to wind.
- To prevent exposure to wind, install the outdoor unit with its air inlet side facing the wall.
- To prevent exposure to wind, it is recommended to install a baffle board on the air outlet side of the outdoor unit.

INSTALLATION

Outdoor Unit

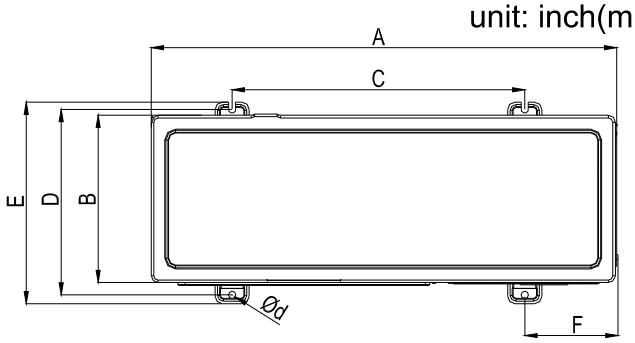
⚠NOTE:

·Be sure to fix the unit's legs with bolts when installing it.

·Be sure to install the unit firmly to ensure that it does not fall by earthquake or gust.

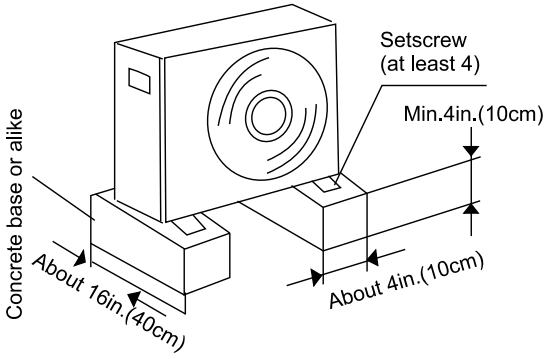
·The anchor bolts, nuts and washers for the installation are user prepared.

unit: inch(mm)



[Unit: in. (mm)]

Model (Btu/h)	A	B	C	D	E	F	d
18K	33-7/8 (860)	12-3/16 (310)	21-11/32 (542)	13-7/16 (341)	14-1/2 (368)	6-5/8 (168)	7/16*21/32 (11*17)
27K/36K/42K	38-3/8 (975)	14-3/16 (360)	23 (585)	15-1/2 (395)	16-3/4 (425)	7-5/8 (195)	7/16*21/32 (11*17)

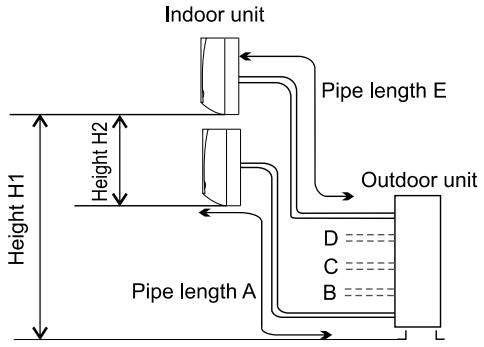


Refrigerant piping

1. Piping requirement

Model(Btu/h)	Outer Diameter of Pipe [in.(mm)]	
	Gas	Liquid
18K/27K/36K/42K	3/8 (9.52)	1/4 (6.35)

The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. The shorter the refrigerant piping is, the better the performance will be. So the connecting pipe should be as short as possible.



Item \ Model		Up to 2 indoor units	Up to 3 indoor units	Up to 4 indoor units	Up to 5 indoor units
		18K	27K	36K	42K
Piping to each indoor unit (A/B/C/D/E)	[ft.(m)]	≤82(25)	≤82(25)	≤82(25)	≤82(25)
Total length of piping between all units	[ft.(m)]	A+B ≤164 (50)	A+B+C ≤230(70)	A+B+C+D≤ 230(70)	A+B+C+D+E ≤262(80)
Max height between indoor unit and outdoor unit (H1)	[ft.(m)]	≤49(15)			
Max height between indoor units (H2)	[ft.(m)]	≤25(7.5)			

Additional refrigerant charge

The unit has been filled with refrigerant, but if L (total pipe length) exceeds standard length, additional refrigerant (R454B) change is required.

For 18K: Additional refrigerant charge=[L-50ft (15m)]×0.16 oz/ft (15g/m)

For 27K: Additional refrigerant charge=[L-75ft (22.5m)]×0.16 oz/ft (15g/m)

For 36K: Additional refrigerant charge=[L-100ft (30m)]×0.16 oz/ft (15g/m)

For 42K: Additional refrigerant charge=[L-125ft (37.5m)]×0.16 oz/ft (15g/m)

2. Piping material

(1) Prepare the copper pipe on the spot.

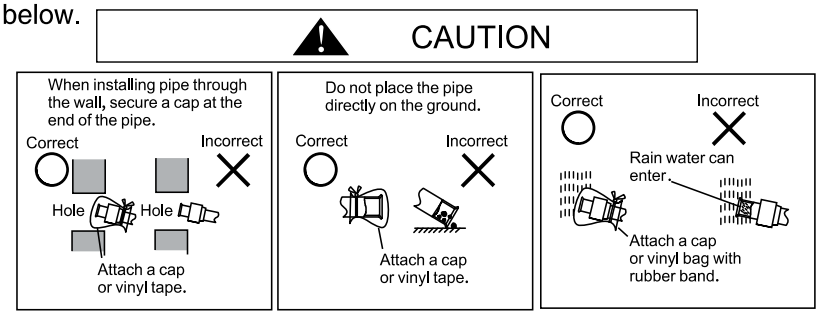
(2) Choose dustless, non-humid, clean copper pipe. Before installing the pipe, use nitrogen or dry air to blow away the dust and impurity on the tube.

INSTALLATION

Outdoor Unit

(3) Piping thickness and material use the pipe as below.

Diameter [inch(mm)]	Thickness [inch(mm)]
1/4(Φ6.35)	1/32(0.8)
3/8(Φ9.52)	1/32(0.8)
1/2(Φ12.7)	1/32(0.8)
5/8(Φ15.88)	1/32(1.0)



3. Processing of Refrigerant Piping

(1) Pipe cutting

• Cut the cooper pipe correctly with pipe cutter.

(2) Burrs removal

• Completely remove all burrs from the cut cross section of the pipe.

• Put the end of the copper pipe downward to prevent burrs from dropping in the pipe.

(3) Putting nut on

• Remove flare nuts attached to indoor and outdoor units, then put them on pipe having completed burr removal.
(Not possible to put them on after flaring work).

• Flare nut for pipe depending on the diameter of pipe.

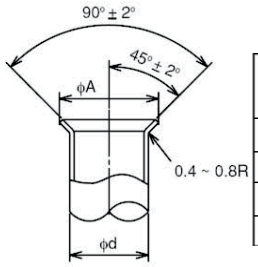
(4) Flaring work

• Perform flaring work using flaring tool as shown below.

(5) Check

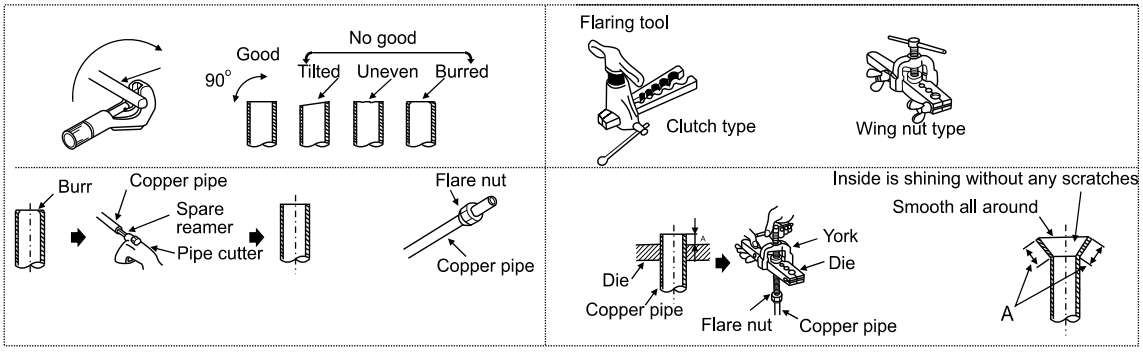
• Compare the flared work with the figure below.

• If flare is noted to be defective, cut off the flared section and perform flaring work again.



inch(mm)

Diameter Φd	$A^{+0}_{-0.4}$
1/4(6.35)	11/32(9.1)
3/8(9.52)	1/2(13.2)
1/2(12.7)	10/16(16.6)
5/8(15.88)	3/4(19.7)



4. Piping connection

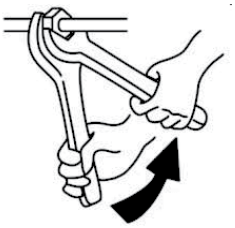
(1) R454B refrigerant is flammable, confirm that the valves are closed.

(2) Connect the indoor unit and the outdoor unit with field-supplied refrigerant piping. Suspend the refrigerant piping at certain points and prevent the refrigerant piping from touching the weak part of the building such as wall, ceiling, etc.
(If touched, abnormal sound may occur due to the vibration of the piping. Pay special attention in case of short piping length.)

(3) Tightening the flare nut use two spanners like figure right.

(4) Apply the refrigerant oil (field-supply) thinly at the seat surface of the flare nut and pipe before connecting and tightening.
And when tightening the flare nut, use two spanners.

(5) Outdoor refrigerant piping should connect with stop valve.



Double Spanner Work

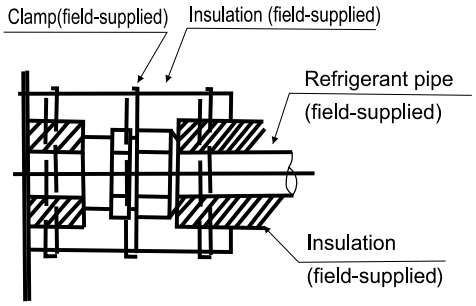
Pipe Size [inch(mm)]	Torque
1/4(Φ6.35)	14.75ft-lb (20N·m)
3/8(Φ9.52)	29.5ft-lb (40N·m)
1/2(Φ12.7)	44.25ft-lb (60N·m)
5/8(Φ15.88)	59ft-lb (80N·m)

Tightening Torque for Flare Nut

INSTALLATION

Outdoor Unit

(6) After finishing connecting the refrigerant pipes, keep it warm with the insulation material like figure right.
·For outdoor unit side, surely insulate every piping including valves.
·Cover piping joints with pipe cover.
·Using piping tape, apply taping starting from the entry of outdoor unit. Fix the end of piping tape with adhesive tape.
-Fix the end of piping tape with adhesive tape.
-When piping has to be arranged through above ceiling, closet or area where temperature and humidity are high, wind additional commercially sold insulation for prevention of condensation.



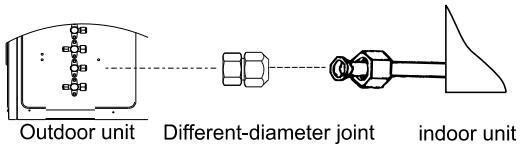
Piping insulation procedure

⚠ CAUTION

If the diameter of connection pipe does not match the port size of outdoor unit, select proper different-diameter joints in the accessory according to the following table.

Figure	Purpose
	Change pipe diameter from 1/4 inch (6.35mm) to 3/8 inch (9.52mm)
	Change pipe diameter from 3/8 inch (9.52mm) to 1/2 inch (12.7mm)
	Change pipe diameter from 3/8 inch (9.52mm) to 5/8 inch (15.88mm)

Note: The 18K model does not have this Different-diameter joint.

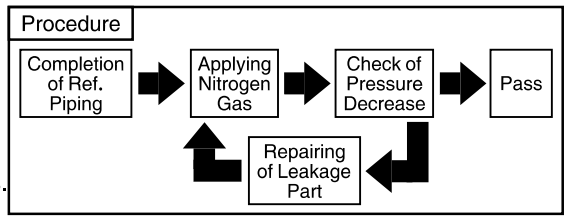


Connect pipes using different-diameter joint

5. Air tight test

-Do use Nitrogen.

Connect the gauge manifold using charging hoses with a nitrogen cylinder to the check joints of the liquid line and the gas line stop valves.
Perform the air-tight test.
Don't open the gas line stop valves.
Apply nitrogen gas pressure of 602psig (4.15MPa).
Check for any gas leakage at the flare nut connections, or brazed parts by gas leak detector or foaming agent.
Gas pressure doesn't decrease is OK.
After the air tight test, release nitrogen gas.

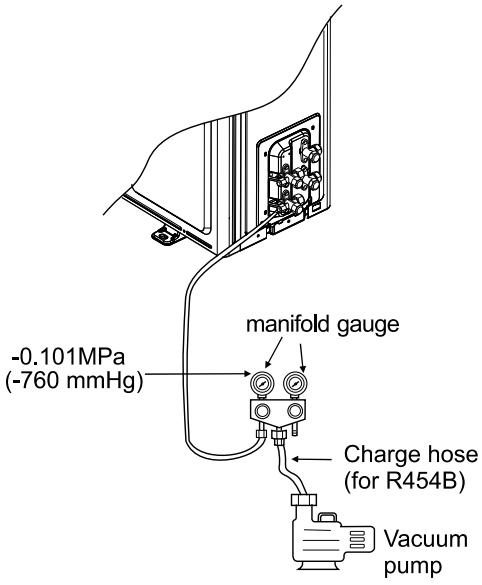


Air tight procedure

6. Vacuum pumping and charge refrigerant

● Vacuum pumping

(1) Remove the service port cap of the stop valve on the gas pipe side of the outdoor unit.
(2) Connect the manifold gauge and vacuum pump to the service port of the stop valve on the gas pipe side of the outdoor unit.
(3) Run the vacuum pump. (Work for more than 15 minutes.)
(4) Check the vacuum with the gauge manifold valve, then close the gauge manifold valve and stop the vacuum pump.
(5) Leave it as is for one or two minutes. Make sure the pointer of the manifold gauge remains in the same position. Confirm that the pressure gauge shows -14.7 psig (-0.101MPa or -760mHg).
(6)Remove the manifold gauge quickly from the service port of the stop valve.
(7) After refrigerant pipes are connected and evacuated, fully open all stop valves on both sides of gas pipe and liquid pipe.
(8) Open adjusted valve to add refrigerant (must be refrigerant is liquid).
(9) Tighten the cap to the service port .
(10) Retighten the cap.
(11) Leak test foam with halogen leak detector to check the flare nut and brazing Carolina Department leaks. Use foam that not generate ammonia (NH3) in the reaction.



INSTALLATION

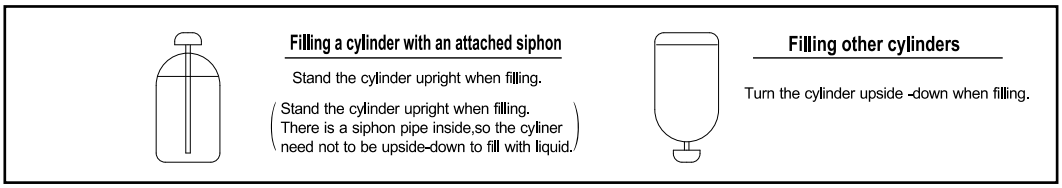
Outdoor Unit

⚠ WARNING

(1) Each pipelines needs to be evacuated individually.
(2) An excess or a shortage of refrigerant is the main cause of trouble to the unit. Charge the correct refrigerant quantity according to the description of label at the inside of the manual.
(3) Check refrigerant leakage in detail. If a large refrigerant leakage occurs, it will cause danger or even explosion if a fire was being used in the room.

● Additional refrigerant charge

The unit has been filled with refrigerant.
Please according “Piping Requirement” to calculate additional charge.
After vacuum pump procedure has been finished, first exhaust air from charge hose, then open valves, charge refrigerant as “liquid” type through Liquid stop valve.
At the end, please close valves and record the refrigerant charging quantity.



Wiring

⚠ WARNING

- Turn OFF the main power switch to the indoor unit and the outdoor unit and wait for more than 3 minutes before electrical wiring work or a periodical check is performed.
- Check to ensure that the indoor fan and the outdoor fan have stopped before electrical wiring work or a periodical check is performed.
- Protect the wires, electrical parts, etc. from rats or other small animals. If not protected, rats may gnaw at unprotected parts and at the worst, a fire will occur.
- Avoid the wirings from touching the refrigerant pipes, plate edges and electrical parts inside the unit. If not do, the wires will be damaged and at the worst, a fire will occur.
- Install an ELB (Electric Leakage Break)in the power source. If ELB is not used, it will cause electric shock or fire at the worst.
- This unit uses an inverter, which means that it must be used an earth leak detector capable handing harmonics in order to prevent malfunctioning of the earth leak detector itself.
- Do not use intermediate connection wires, stranded wires(see **<Attentions when Connect the power supply wiring>**), extension cables or control line connection, because the use of these wires may cause fever, electric shock or fire.
- The tightening torque of each screw shall be as follows.
  M4: 0.7 to 1.0 lbf·ft. (1.0 to 1.3 N·m)
  M5: 1.5 to 1.8 lbf·ft. (2.0 to 2.5 N·m)
  M6: 3.0 to 3.7 lbf·ft. (4.0 to 5.0 N·m)
  M8: 6.6 to 8.1 lbf·ft. (9.0 to 11.0 N·m)
  M10: 13.3 to 17.0 lbf·ft. (18.0 to 23.0 N·m)
  Keep the above tightening torque when wiring work.

⚠ CAUTION

- With tape material along the wire wrapped, sealed wiring holes, prevent the condensed water and insects.
- Tightly secure the power source wiring using the cord clamp inside the unit.

NOTE: Fix the rubber bushes with adhesive when conduit tubes to the outdoor unit are not used.

INSTALLATION

Outdoor Unit

General Check

(1) Make sure that the field-selected electrical components (main power switches, circuit breakers, wires, conduit connectors and wire terminals) have been properly selected according to the electrical data.
Make sure that the components comply with National Electrical Code (NEC).

(2) Check to ensure that the voltage of power supply is within +10% of nominal voltage and earth phase is contained in the power supply wires. If not, electrical parts will be damaged.

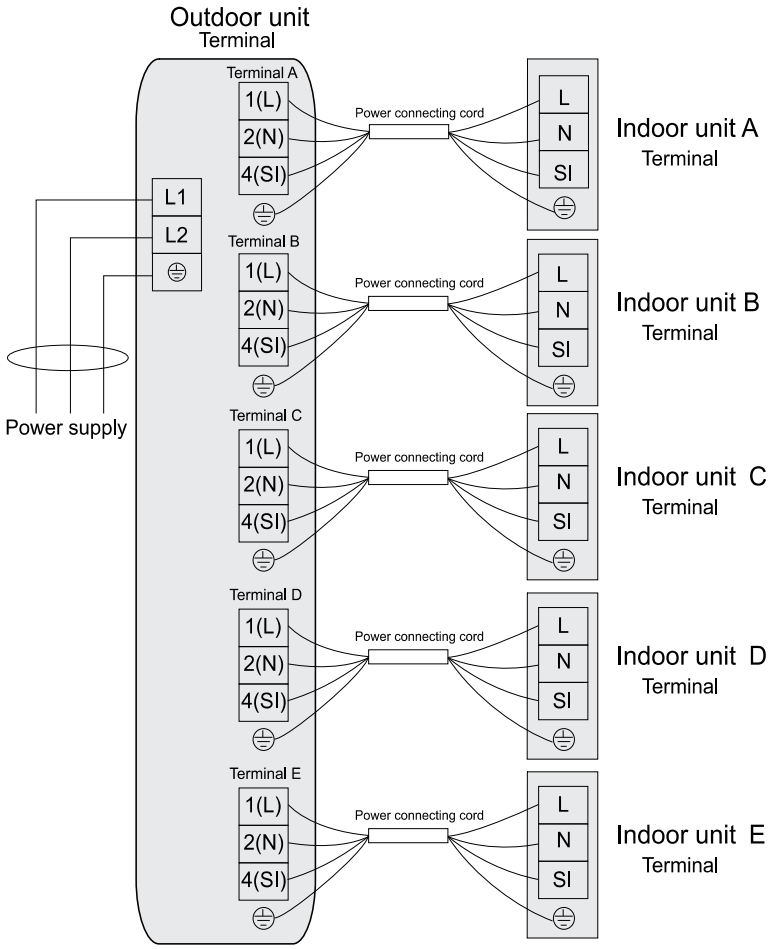
(3) Check to ensure that the capacity of power supply is enough.
If not, the compressor will be not able to operate cause of voltage drop abnormally at starting.

(4) Check to ensure that the earth wire is connected.

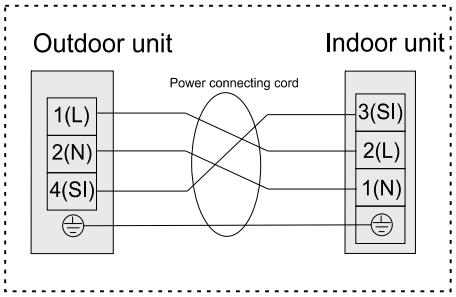
(5) Install a main switch ,multi-pole main switch with a space of 1/8 in. (3.5mm) or more, single phase main switch with a space of 1/8 in. (3.0mm) or more between each phase. Please use the special three-phase power switch for 3-Phase product.

(6) Check to ensure that the electrical resistance is more than 2 MΩ, by measuring the resistance between ground and the terminal of the electrical parts.
If not, do not operate the system until the electrical leakage is found and repaired.

Electrical wiring diagram



Note: For some indoor units



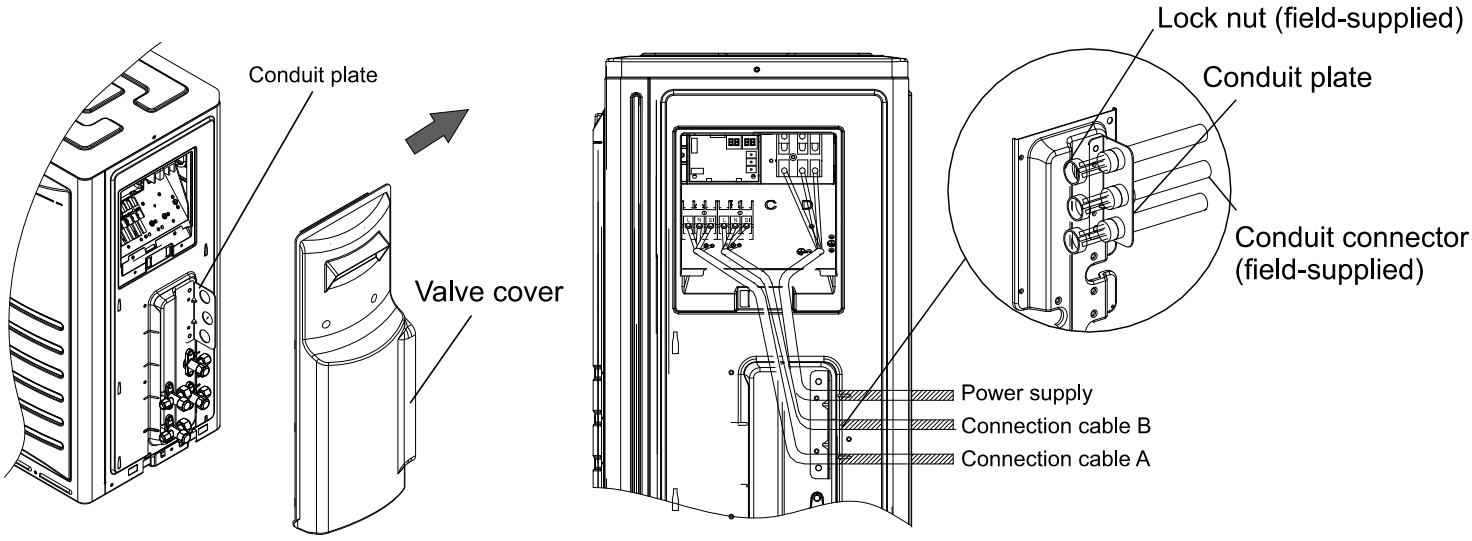
NOTES:
1. For 18K model, there is no INDOOR UNIT C, D and E.
2. For 27K model, there is no INDOOR UNIT D and E.
3. For 36K model, there is no INDOOR UNIT E.
4. Since there is some difference between the terminal panel in the diagram and the real one, the wire connecting operation should be done according to the letters on the panel, please neglect the numbers on it.

INSTALLATION

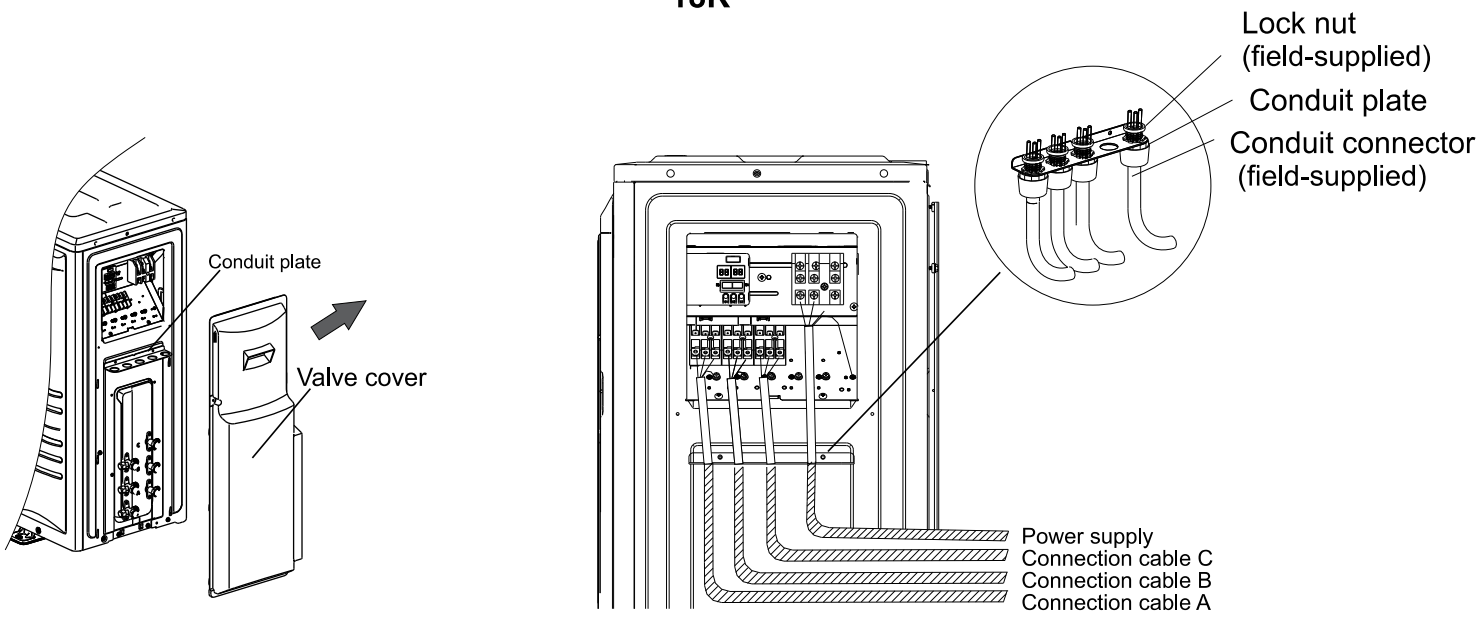
Outdoor Unit

Wires connect steps:

(1) Valve cover removal
Remove the two mounting screws.
Remove the valve cover as shown by the arrow mark.
(2) Fasten the power supply cable and the connection cable to the conduit holder using the lock nut.
(3) Connect the power supply cable and the connection cable to terminal.
(4) Fasten the power supply cable and the connection cable with the cable clamp.
(5) Be sure to seal the holes when applying the putty.
Place the cables side to side.(Do not overlap the cables.)
(6) Put the service cover and valve cover back after completion of the work.



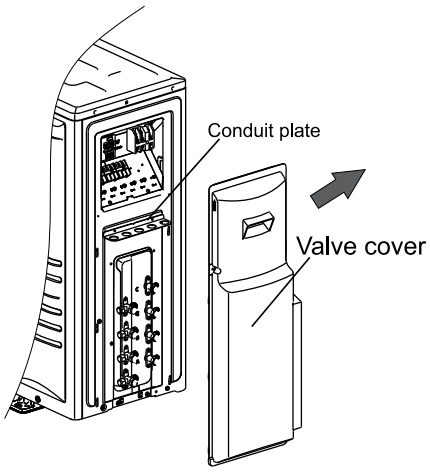
18K

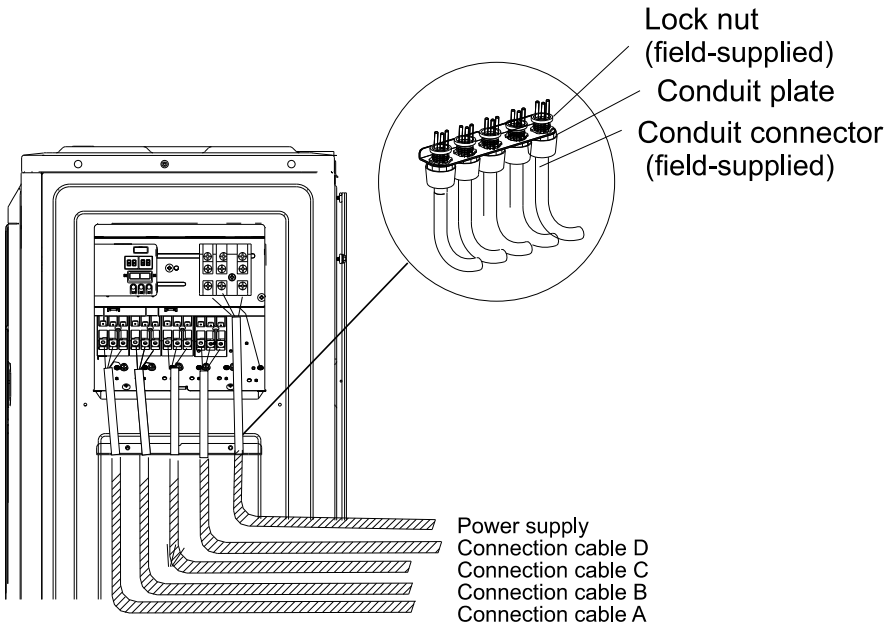


27K

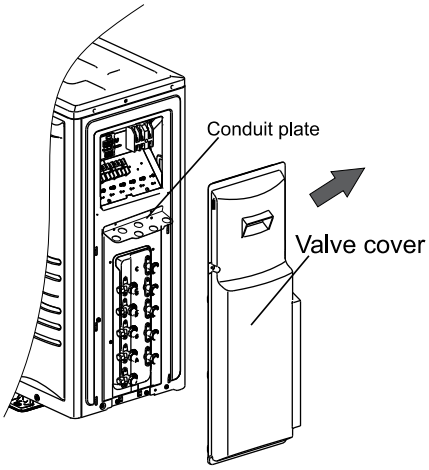
INSTALLATION

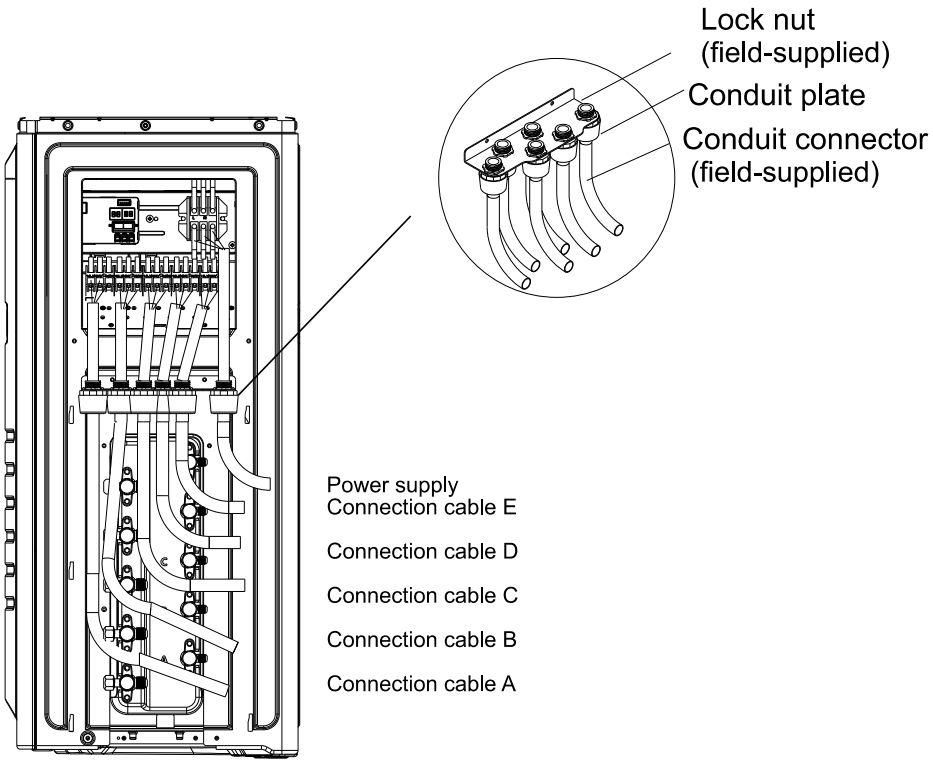
Outdoor Unit





36K





42K

INSTALLATION

Outdoor Unit

Electrical Data

Model (Capacity: Btu/h)	Power Supply	Circuit Breaker		Transmitting Cable Size	MCA (A)
		MOP (A)	Nominal Sensitive Current (mA)		
18K	208/230V ~/60Hz	30	30	4*14AWG	21
27K	208/230V ~/60Hz	40	30	4*14AWG	25
36K	208/230V ~/60Hz	50	30	4*14AWG	32
42K	208/230V ~/60Hz	60	30	4*14AWG	36

Max. Running Current (A): REFER TO NAMEPLATE

Notes:

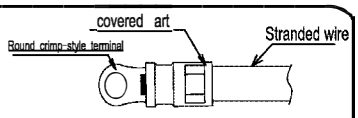
(1) Follow local codes and regulations when select field wires, and all the above are the minimum wire size.

(2) Install main switch and circuit breaker for each system separately. Select the high response type circuit breaker that is acted within 0.1second.

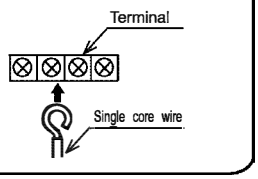
(3) Communication cable shall be of stranded type THHN.

<Attentions when Connect the power supply wiring>

1. When connecting the terminal block using stranded wire, make sure to use the round crimp-style terminal for connection to the power supply terminal block. Place the round crimp-style terminals on the wires up to the covered part and secure in place.



2. When connecting the terminal block using a single core wire, be sure to perform curing.



INSTALLATION

Outdoor Unit

Trial run

Test run should be performed after refrigerant piping, drain, wiring, etc. have been finished.

⚠ CAUTION

The heat pump air conditioner is provided with a crankcase heater, check to ensure that the switch on the main power source has been ON for more than 6 hours ahead of power on preheating, otherwise it might damage the compressor!

Do not operate the system until all the check points have been cleared.
(A) Check to ensure that the stop valves of the outdoor unit are fully opened.
(B) Check to ensure that the electric wires have been fully connected.
(C) Check to ensure that the electrical resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

Test run function identification
Operate the thermostat to turn ON the appliance, and then proceed test run.
Pay attention to the following items while the system is running.
Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 194℉ (90℃) .

● Turn off the power after test run is finished.
Installation of the appliance is generally finished after the above operations are done. If you still have any trouble, please contact local technical service center of our company for further information.

OPERATION

Operation Range (Cooling and Heating)

Temperature		Cooling operation	Heating operation
Indoor temperature	Max	90˚F	81˚F
	Min	70˚F	45˚F
outdoor temperature	Max	125˚F	75˚F
	Min	5˚F	-13˚F

Figure 301

*Optimum performance will be achieved within these operating temperature. If air conditioner is used outside of the above conditions, the protective device may trip and stop the appliance.
*The temperature of some products is allowed beyond the range. In specific situation, please consult the merchant. When relative humidity is above 80%, if the air conditioner runs in COOLING or DRY mode with door or window opened for a long time, dew may drip down from the outlet.

OPERATION

Remote Control

The remote controller transmits signals to the system.

SMART
Used to enter fuzzy logic operation directly, regardless of the unit is on or off.

POWER
The appliance will be started when it is energized or will be stopped when it is in operation, if you press this button.

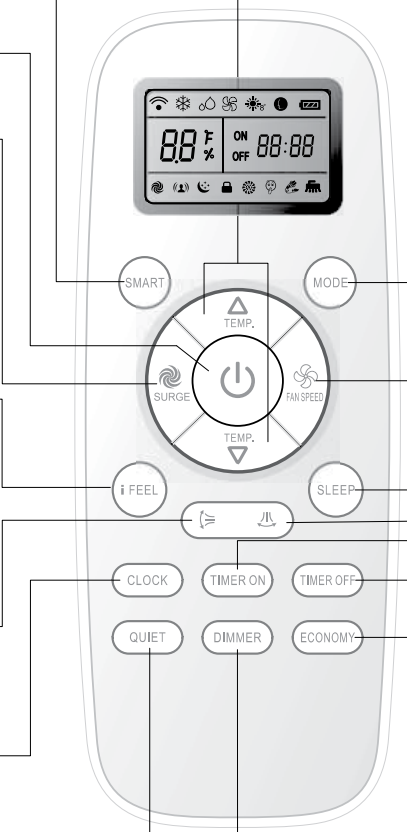
SURGE
Used to start or stop the fast cooling/heating. (Fast cooling operates at high fan speed with 61°F set temp automatically ; Fast heating operates at auto fan speed with 86°F set temp automatically)

IFEEL
Used to set IFEEL mode operation. Press it once, the IFEEL function will be started. Press it again, the IFEEL function will be shut off.

SWING
Used to stop or start vertical adjustment louver swinging and set the desired up/ down airflow direction.

CLOCK
Used to set the current time.

QUIET
Used to set or cancel Quiet Mode operation. When the air conditioner is in standby, and the mode of remote controller is in Cooling or Dry (except Super mode), press this button for about 5 seconds once to start Clean mode , then the indicator "" will display on LCD.



TEMP + -
Used to adjust the room temperature and the timer, also real time.

MODE
Press this button to select the operation mode.

FAN
Used to select fan speed in sequence auto, higher, high, medium, low or lower.

SLEEP
Used to set or cancel Sleep Mode operation.

SWING
Used to stop or start Horizontal adjustment louver swinging and set the desired left/right airflow direction.

TIMER ON
Used to set or cancel the timer operation.

TIMER OFF
Used to set or cancel the timer operation.

ECONOMY
Used to set or cancel Economy Mode operation.
When in Cooling mode (except Super mode), press this button for about 5 seconds once to start Power control mode , press this button for about 5 seconds once again to stop it

DIMMER
When you press this button, all the display of indoor unit will be closed. Press any button to resume display.

TIMER ON + TIMER OFF LOCK
Used to start or stop LOCK mode.

TEMP. + 46°HEAT
Used to start or stop 46°HEAT mode.

Indication symbols on LCD:

- Cooling indicator
- Dry indicator
- Fan only indicator
- Heating indicator
- 46°Heat indicator
- Lower fan speed
- Auto fan speed
- Higher fan speed
- High fan speed
- Medium fan speed
- Low fan speed
- Sleep 1 indicator
- Sleep 2 indicator
- Sleep 3 indicator
- Sleep 4 indicator
- Lock indicator
- Quiet indicator
- Smart indicator
- Economy indicator
- Surge indicator
- Ifeel
- Clean indicator
- Signal transmit
- Battery power indicator
- ON OFF 88:88 Display set timer / Display current time
- 88 °F Display temperature
- % Power control indicator

Note: Each mode and relevant function will be further specified in following pages.

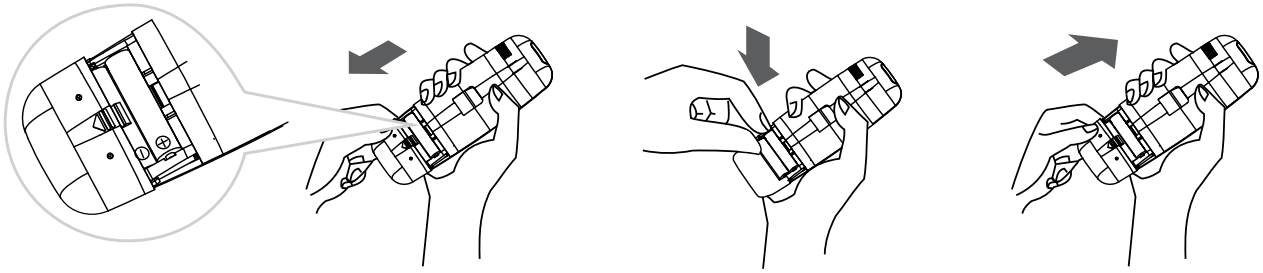
Figure 302

OPERATION

Remote Control

◆ *How to Insert the Batteries*

1. Remove the battery cover according to the arrow direction.
2. Insert new batteries making sure that the (+) and (-) of battery are matched correctly.
3. Reattach the cover by sliding it back into position.



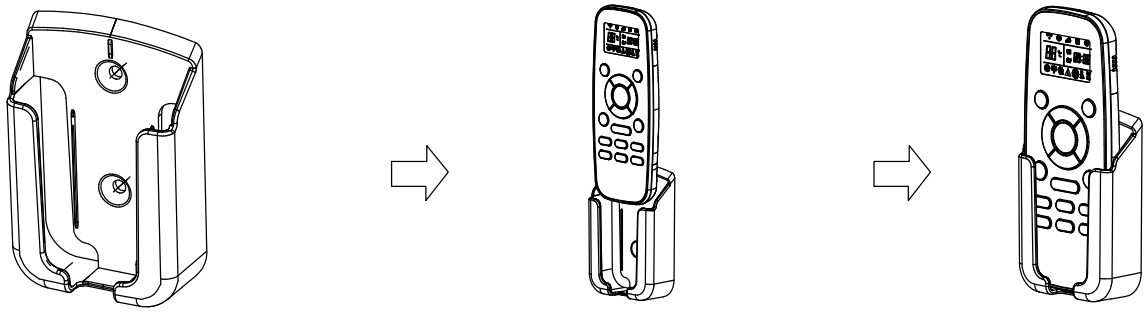
Note:

- ***Use 2 LR03 AAA(1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim.***

◆ *Storage and Tips for Using the Remote Controller*

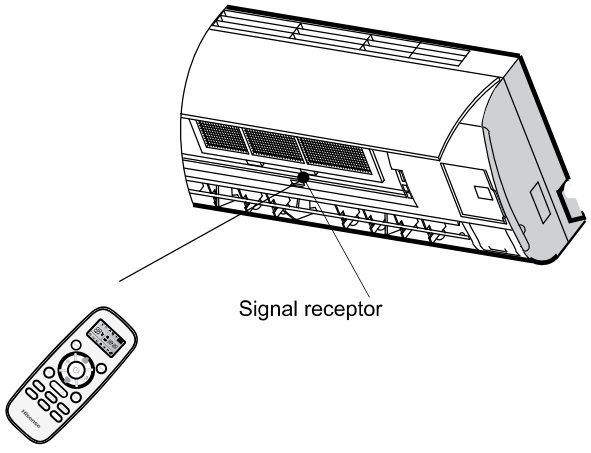
The remote controller may be stored mounted on a wall with a holder.

Note: The remote controller holder is an optional part.



◆ *How to Use*

To operate system, point remote directly at unit (audible beep should sound when buttons are pressed). The remote can operate system up to 23ft away without interference.



⚠ *CAUTIONS*

For appropriate signal transmission between remote controller and indoor unit, keep the signal receiver away from the following items:

- Direct sunlight or other strong lights or heat
- Flat panel television screen or other electrical appliances that react to the remote controller

Additionally, the air conditioner will not operate if curtains, doors or other materials block the signals from the remote controller to the indoor unit. If the signal may not be transmitted properly, either move these materials or consult your local dealer.

OPERATION

Remote Control

Operation modes

◆ Selecting mode

Press MODE button

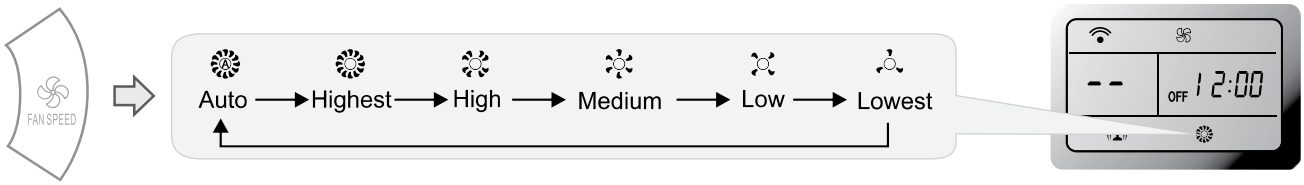
Result : The operation modes changed in sequence:

Heating mode is NOT available for cooling only air conditioner.

◆ FAN mode

Press FAN SPEED button

Result : The fan speed is changed in sequence:



At "FAN ONLY" mode, the "AUTO" is not available.
At "DRY" mode, Fan speed is set at "AUTO" automatically, "FAN" button is ineffective in this case.

◆ Setting temperature

Press TEMP. button once

Result : Raise temperature setting by 1°F

Press TEMP. button once

Result : Lower temperature setting by 1°F

Range of available set temperature	
*HEATING, COOLING	61°F~86°F
DRY	19°F~45°F
FAN ONLY	unable to set

***Note: Heating mode is NOT available for cooling only models.**
***Note: At "Dry" mode, a decrease or rise of up to 45°F can be set with Remote controller if you still feel uncomfortable.**

◆ Turning on

Press ⏻ button.

Result : The RUN indicator of the indoor unit lights up.

SWING, SMART, TIMER ON, TIMER OFF, CLOCK, 46°HEAT,SLEEP and SURGE operation modes will be specified in the following pages.

- ***Changing modes during operation, sometimes the unit does not response at once. Wait 3 minutes.***
- ***During heating operation, air flow is not discharged at the beginning. After 2—5 minutes, the air flow will be discharged until temperature of indoor heat exchanger rises.***
- ***Wait 3 minutes before restarting the appliance.***

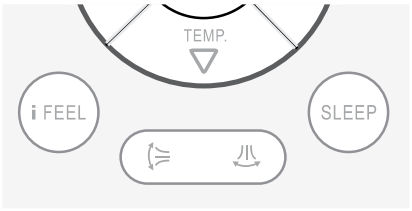
OPERATION

Remote Control

Airflow direction control

Vertical airflow(Horizontal airflow) Blade angle will adjust based on remote setting.

Operation mode	Direction of airflow
COOLING, DRY	horizontal
*HEATING, FAN ONLY	downward



The direction of airflow can be also adjusted by pressing the " " button of the remote controller.

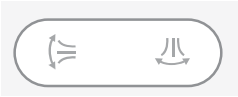
Heating mode is only available for heat pump models.

◆ Vertical airflow control (with the remote controller)

Use remote to adjust blade/louver angles.

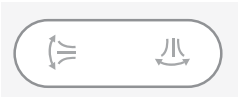
Press " " button once.

Result : The vertical adjustment louver will swing up and down automatically.



Press " " button again .

Result : The louvers swing to a suitable angle as desired.

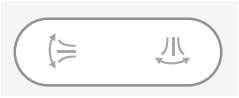


◆ Horizontal airflow control (with the remote controller)

Use remote to adjust blade/louver angles.

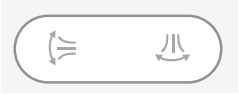
Press " " button once.

Result : The horizontal adjustment louver will swing left and right automatically.



Press " " button again .

Result : The louvers swing to a suitable angle as desired.



OPERATION

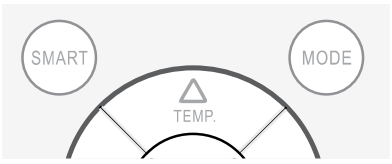
Remote Control

SMART mode(Multizone system not capable of auto change over function)

◆ *How to set SMART mode?*

Press the SMART button.

Result : Enters **SMART** mode(auto change over operation) regardless of the units ON/OFF status.
Temperature and fan speed are automatically set based on actual room temperature.



Heat pump models

Indoor temperature	Operation mode	Target temperature
70°F or below	HEATING	72°F
70°F-73°F	FAN ONLY	
73°F-79°F	DRY	Room temperature decrease 2°F after operate for 3 minutes
Over 79°F	COOLING	79°F

☑ ***SMART mode will not work when system is set to SURGE Mode.***

☑ ***Pressing MODE will cancel SMART mode.Pressing MODE will cancel SMART mode.***

Note: Temperature, airflow and direction are controlled automatically in SMART mode. However, you can choose an offset of -7 to 7 if SMART mode preset is not comfortable.

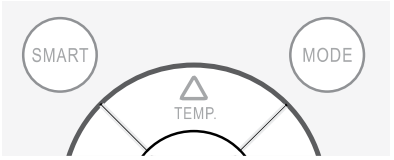
◆ *What you can do in SMART mode?*

Issue	Button	Adjust
Not enough air flow in SMART mode.		Indoor fan speed alternates among Highest, High, Medium, low and Lowest each time when this button is pressed.
Airflow is not directed properly.		Pressing SWING button once will change blade/louver position, pressing SWING again will stop swing function.

◆ *How to cancel the SMART mode?*

Press the MODE button.

Result : The SMART mode will be cancelled.



OPERATION

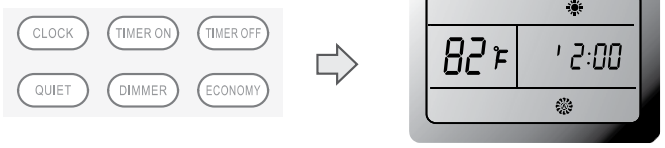
Remote Control

CLOCK button

◆ ***How to adjust the real time?***

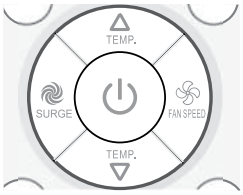
1. Press CLOCK button.

Result : The time flashes on the LCD.



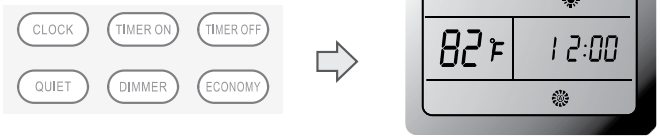
2. Press TEMP. and TEMP. buttons.

Result : Once to increase or decrease the time setting by 1 minute.
One and a half seconds to increase or decrease the time setting by 10 minute.
For a longer time to increase or decrease the time by 1 hour.



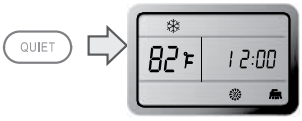
3. Press CLOCK button again.

Result : The real time is set.



CLEAN mode

When the unit is in standby, and the mode of remote controller is in Cooling or Dry , press QUIET button for 5 seconds once to start Clean mode , then the indicator " " will display on LCD.



- ***Clean mode is ineffective in SUPER mode.***
- ***Press ON/OFF or SMART or MODE button can exit the Clean mode, then the indicator " " will disappear.***
- ***After the clean process finish, the air conditioner will return to Cooling or Dry as preset, while the indicator" " on remote controller will display for about 30 mins.***

OPERATION

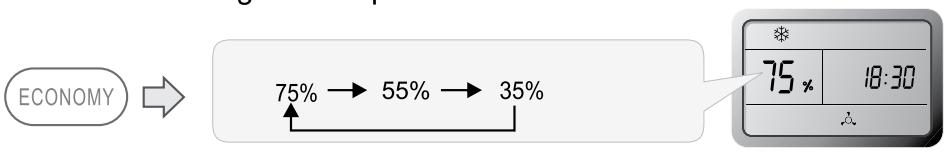
Remote Control

◆ Power control mode

When in Cooling mode, press (ECONOMY) button for about 5 seconds once to start Power control mode (at low fan speed), press this button for about 5 seconds once again to stop it.

When the appliance in the Power control mode, press (ECONOMY) button once by once

Result : The operation modes changed in sequence:



- ***Power control mode is ineffective in SURGE or ECONOMY mode.***
- ***Except for the button of Swing, Dimmer, Ifeel, Clock, Time on, Time off, Fan, press the other buttons can exit the Powercontrol mode, and the indicator " % " will disappear.***
- ***When start the Power control mode, the fan will automatically enter low wind speed, but you can change the wind speed by press the Fan button.***

SURGE mode

SURGE mode is used to start or stop fast cooling or heating.

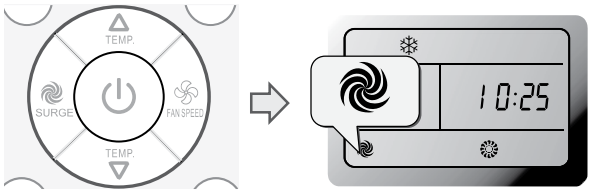
SURGE mode can be set when the appliance is in operation or in standby.

In SURGE mode, you can set airflow direction or timer.

◆ *How to set SURGE mode?*

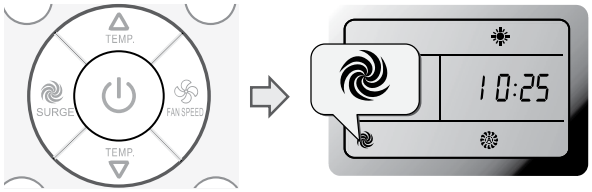
Press (SURGE) button in cool mode.

Result : At higher fan speed ,the set temperature automatically to 61°F



Press (SURGE) button in heat mode.

Result : At auto fan speed ,the set temperature automatically to 86°F



◆ *How to cancel SURGE mode?*

Press SURGE , MODE, FAN, ON/OFF,SLEEP or TEMPERATURE SETTING button.

Result : Display will return to previous mode

Exit from SURGE mode.

Note:

SMART button is not available in SURGE mode.

Surge mode will operate for 15 minutes unless user cancels the function.

OPERATION

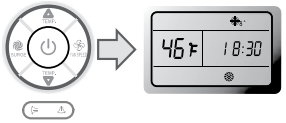
Remote Control

46°HEAT mode

46°HEAT mode is used to set 46° heating mode.
In **46°HEAT** mode, the fan speed is set at "AUTO" automatically.

◆ ***How to set 46°HEAT mode?***

Press TEMP. and buttons together for about 2 seconds at the heating mode.



Result : The 46° heat mode will be started.

◆ ***How to cancel 46°HEAT mode?***

Press any button except for TIMER ON CLOCK , TIMER OFF and .

Result : The display will disappear and the 46°HEAT mode will be cancelled.

Note:

In 46°HEAT mode, the default temperature is set 46°F.

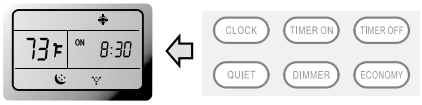
46°HEAT mode can be set only when the air conditioner works in the heating mode.

TIMER mode

It is convenient to set the timer on with **TIMER ON** buttons when you go out in the morning to achieve a comfortable room temperature at the time you get home. You can also set timer off at night to enjoy a good sleep.

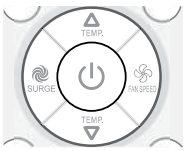
◆ ***How to set TIMER ON?***

1. Press TIMER ON button.



Result : "ON 12:00" flashes on the LCD.

2. Press the TEMP. or TEMP. button.



Result : Once to increase or decrease the time setting by 1 minute.
One and a half seconds to increase or decrease the time setting by 10 minute.
For a longer time to increase or decrease the time by 1 hour.

3. When your desired time displayed on LCD, press the TIMER ON button and confirm it.

Result : A "beep" can be heard.
"ON" stops flashing.
The TIMER indicator on the indoor unit lights up.(invalid for some models)

4. Timer will be displayed on the remote for 5 seconds and set time will reappear

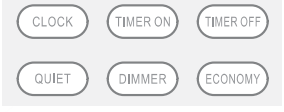
◆ ***How to cancel TIMER ON?***

Press the TIMER ON button again.

Result : A "beep" can be heard and the indicator disappears, the time on mode has been canceled.

Note: It is similar to set TIMER OFF, you can make the appliance switch off automatically at your desired time.

QUIET mode



In this mode, the air conditioner unit work with low noise performance.

Note: Press MODE.FAN.SMART. SURGE button cancel QUIET mode.

OPERATION

Remote Control

ECONOMY mode

In this mode, the air conditioner will bring you energy saving performance by lower running current.

Note:
ECONOMY button is ineffective in SMART, SURGE and Power control mode.
Press ON/OFF , MODE ,TEMP △ ,TEMP △ , FAN , SLEEP , QUIET or ECONOMY button cancel ECONOMY mode.
Press and hold " QUIET " button and " ECONOMY " button together for 3 seconds will alternate the mode between the cooling only and the cooling and heating.

IFEEL mode

The built temperature sensor will sense the surrounding temperature, and transmit this back to the unit. This temperature will be your set point until you make another adjustment to the set point.

◆ *How to set IFEEL mode ?*

Press the (i FEEL) button.

Result : The transmit signal in the display will appear, and the IFEEL function will be started.

Note:
Place remote in a location where the signal will be well received by unit.
IFEEL should be used to adjust room temperature for momentary comfort.
To get the best efficiency from your system allow the unit to operate at a set point.
This will allow the system to fluctuate with the changing room loads.

◆ *How to cancel IFEEL mode?*

Press the (i FEEL) button once again.

Result : The transmit signal in the display will disappear, and the IFEEL function will be shut off.

Note:
If IFEEL function fails to cancel, try holding button for 5 seconds.

Dimmer button

◆ *How to set the DIMMER ?*

Press the (DIMMER) button to turn off the light and the display in the unit.

Note:
If light is set to off a request from the remote to change a function will turn it on again. User will need to turn it off if that is the desired condition.

LOCK mode

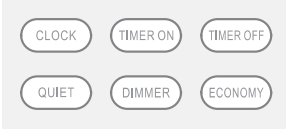
◆ *How to set LOCK ?*

Press (TIMER ON) and (TIMER OFF) buttons together for 2 seconds to start LOCK mode.
The lock indicator appears on the display

Press together for 2 seconds

◆ *How to cancel LOCK ?*

Press (TIMER ON) and (TIMER OFF) buttons together for 2 seconds to stop LOCK mode.
The lock indicator disappears .



Press together for 2 seconds

OPERATION

Remote Control

SLEEP mode

SLEEP mode can be set in **COOLING ,HEATING** or **DRYING** mode.

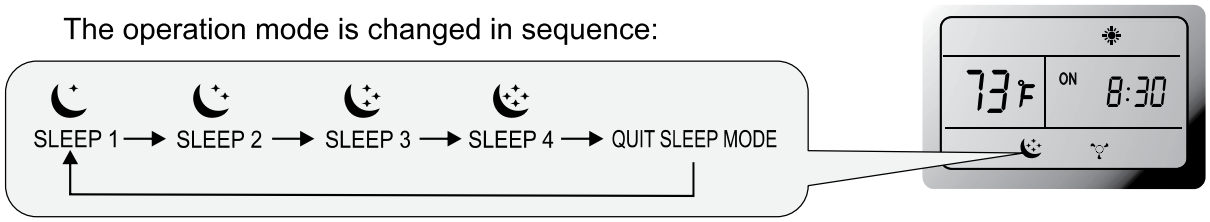
This function gives you a more comfortable environment for sleep.

- The appliance will stop operation automatically after operating for 8 hours.
- Fan speed is automatically set at low speed.

◆ *How to set SLEEP mode ?*

Each time SLEEP button is pressed.

Result : The operation mode is changed in sequence:



SLEEP mode 1:

- Set temperature will rise by 2°F at most if the appliance operates in cooling mode for 2 hours constantly, then keeps steady.
- Set temperature will decrease by 2°F at most if the appliance operates in heating mode for 2 hours constantly, then keeps steady.

SLEEP mode 2:

- Set temperature will rise by 2°F if the appliance operates in cooling mode for 2 hours constantly, decrease by 1°F after 6 hours, then decrease by 1°F after 7 hours.
- Set temperature will decrease by 2°F if the appliance operates in heating mode for 2 hours constantly, rise by 1°F after 6 hours, then rise by 1°F after 7 hours.

SLEEP mode 3:

- Set temperature will rise by 1°F if the appliance operates in cooling mode for 1 hour , rise by 2°F after 2 hours, then decrease by 2°F after 6 hours,
  decrease by 1°F after 7 hours.
- Set temperature will decrease by 2°F if the appliance operates in heating mode for 1 hour , decrease by 2°F after 2 hours, then rise by 2°F after 6 hours, rise by 2°F after 7 hours.

SLEEP mode 4:

- Set point will remain steady.

Note: Press SURGE ,SMART, MODE or FAN button cancel SLEEP mode.
Note: By pressing "Sleeping mode" four times, or selecting other modes like SURGE, SMART, OR FAN, you could cancel the sleeping function of those units without four sleeping curves.
Note: Heating is NOT available for cooling only air conditioner.

OPERATION

1. Function and Control

1.1 Control mode

1) Cooling Anti-freeze Protection

To prevent freezing caused by low temperature of indoor evaporator, the air conditioner will implement real-time detection over the indoor coil temperature. If the indoor coil temperature is too low, the compressor will be prohibited from increasing or decreasing the frequency and even shut down automatically.

2) Heating Overload Protection

To prevent system overload caused by excessive pressure in heating operation, the machine will implement real-time detection over the indoor fan-coil temperature:

If the indoor coil temperature rises too high, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency; If the indoor coil temperature is too high, the compressor will stop working immediately. The compressor then will reboot after the indoor coil temperature reduces.

3) Cooling Overload Protection

To prevent system overload due to excessive pressure during cooling operation, the machine will implement real-time detection over the outdoor condenser coil temperature:

If the outdoor coil temperature grows higher, the compressor will be prohibited from increasing the frequency; If the temperature continues to rise, the compressor will decrease the frequency;
If the outdoor fan-coil temperature is too high, then the compressor will stop working immediately. The compressor will reboot after the outdoor coil temperature reduces.

4) Discharge Temperature Protection

To prevent working conditions of compressor from deteriorating due to high discharge temperature, the machine will implement real-time detection over the discharge temperature.

If the discharge temperature grows higher, the compressor will be prohibited from increasing the frequency; if the temperature continues to rise, the compressor will decrease the frequency automatically; if the discharge temperature is too high, the compressor will stop working immediately. The compressor will then reboot when the discharge temperature returns to normal condition.

5) Oil-return Control

When the compressor continues to operate at low frequency, there will be an oil return. The compressor increases the frequency, and thus returns the oil through the refrigerant system to the compressor.

6) Operation Mode

a. Mode Category

Air conditioning mode is the operation mode set by users through remote control, four modes are available: cooling, heating, dehumidification, as well as fan mode.

b. Mode conflict

The operating mode of outdoor unit is decided by the operating mode of the indoor unit booted first. Indoor unit subsequently booted will firstly determine whether it's own mode is in conflict with the outdoor mode. If so, the indoor unit will automatically shut down after three beeps; If there is no conflict, the indoor unit will boot normally. The relationship of mode conflict is as follows:

Driven choice / Active mode	Cooling	Dehumidification	Heating	fan
Cooling	√	√	×	√
Dehumidification	√	√	×	√
Heating	×	×	√	×
Fan	√	√	×	√

√———Mode conflict will not happen

×———Mode conflict will happen

7) Outdoor four-way Valve Control

Four-way valve of the outdoor machine shuts down when cooling but starts when heating. The operation of heating defrosting refers to defrosting operation and, when the heating remote shutdown, the four-way valve disconnects in 50s when the compressor stops working.

8) Start-up Protection

To prevent compressor from restart frequently in the condition that system pressure has not been completely balanced, it can't be restarted within 3 minutes.

9) Pressure Protection

Pressure switch is normally kept open. If the pressure exceeds the high setpoint, the pressure switch will close and software will enter pressure protection control. Software will automatically decrease the frequency. If the pressure is still unable to return to normal condition after decreasing frequency, compressor will stop and report the fault code of pressure protection.

1.2 Control Logic Description

Contents

1) Sensors in HVAC Systems
- 1.1 Discharge temperature sensor
- 1.2 Suction sensor
- 1.3 Outdoor coil temperature sensor
- 1.4 Outdoor ambient temperature sensor
- 1.5 Defrosting sensor
- 1.6 Gas tube sensor
- 1.7 Liquid tube sensor

2) Compressor Frequency Control
- 2.1 Compressor frequency control

3) Electronic Expansion Valve Control
- 3.1 Opening control during powering on
- 3.2 Control of electronic expansion valves during cooling
- 3.3 Control of electronic expansion valves during heating

4) Indoor/Outdoor Fan Speed Control
- 4.1 Speed control in cooling mode
- 4.2 Speed control in heating mode

5) Defrost Control
- 5.1 Frosting judgment criteria
- 5.2 Defrost control entry
- 5.3 Defrost end conditions

6) System Protection
- 6.1 Exhaust protection/overload cooling/overload heating/anti-freezing during cooling
- 6.2 Compressor current protection

7) Other Control Modes

OPERATION

Unit Function

1) Sensors in HVAC Systems

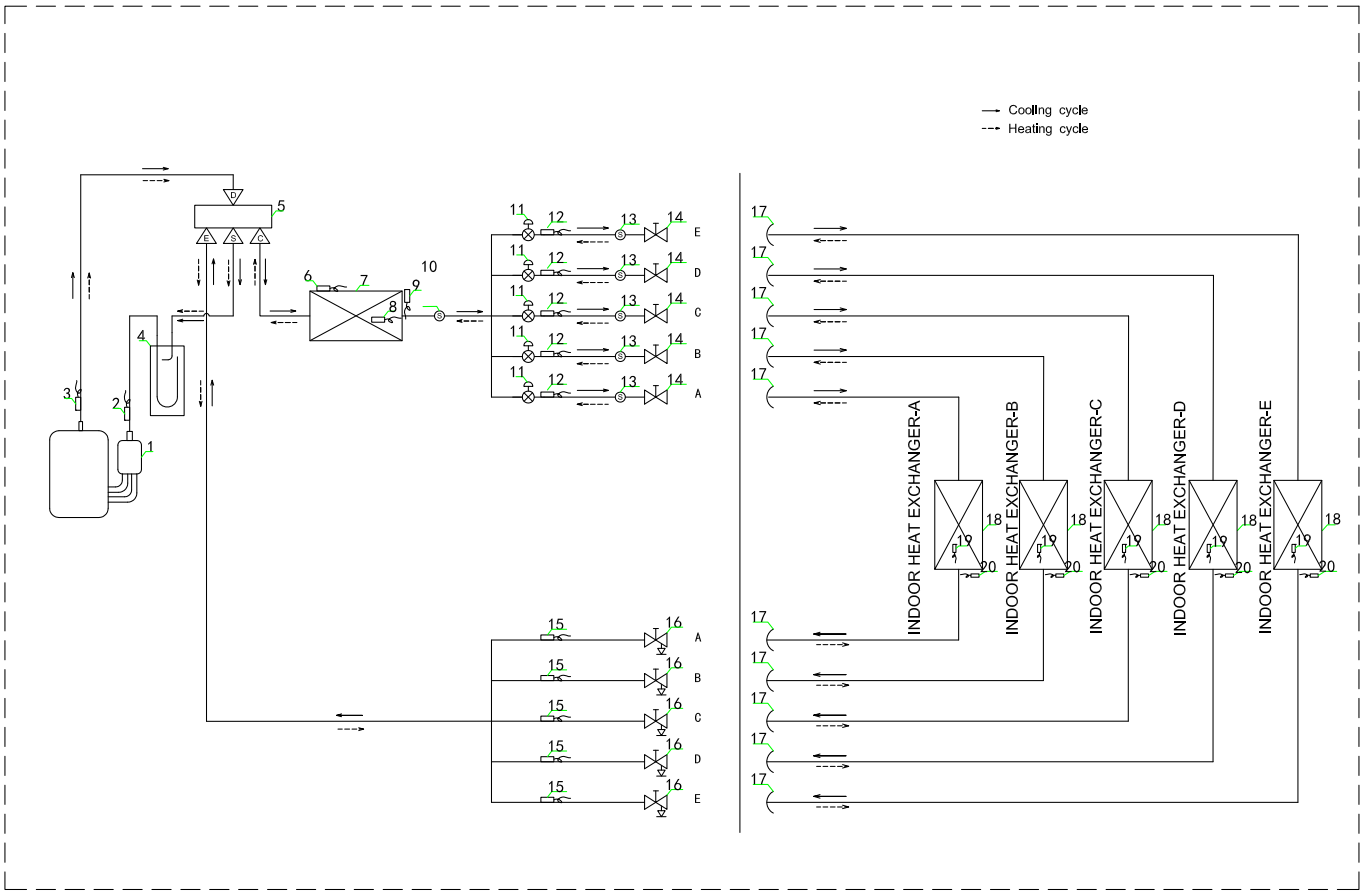


Figure 303

List of component names					
8	Coil temperature sensor	16	Stop valve(Needle)		
7	Outdoor heat exchanger	15	Liquid tube temperature sensor		
6	Ambient temperature sensor	14	Stop valve		
5	4-Way valve	13	Strainer		
4	Gas-Liquid separator	12	Gas tube temperature sensor	20	Ambient temperature sensor
3	Discharge temperature sennor	11	Electronic expansion value	19	Coil temperature sensor
2	Suction temperature sennor	10	Strainer	18	Indoor heat exchanger
1	Two-rotor compressor	9	Frost temperature sensor	17	Hexagon nut
No.	Description	No.	Description	No.	Description

a. Discharge temperature sensor

It is designed to detect and control the temperature at the compressor discharge port. When the discharge temperature is too high, the compressor will run at low frequency or shut down.

b. Suction sensor

It is designed to detect the temperature of the compressor suction port to calculate the suction superheat (SSH).

c. Outdoor coil temperature sensor

It is designed to detect the temperature in the middle of the outdoor condenser. When the temperature is too high, the compressor will run at low frequency or shut down. Additionally, it is used to:

1. In cooling mode, detect the coil temperature to calculate the superheat and control the opening of the electronic expansion valve;

2. In cooling mode, execute the system overload control;

3. In heating mode, detect the temperature and control defrost entry

d. Outdoor ambient temperature sensor

It is designed to perform initial control for the outdoor fan, constrain current, and determine low-temperature cooling

e. Defrosting sensor

It is designed to determine defrost entry and exit, and calculate the superheat

f. Gas tube sensor

It is to regulate the electronic expansion valve for cooling and heating

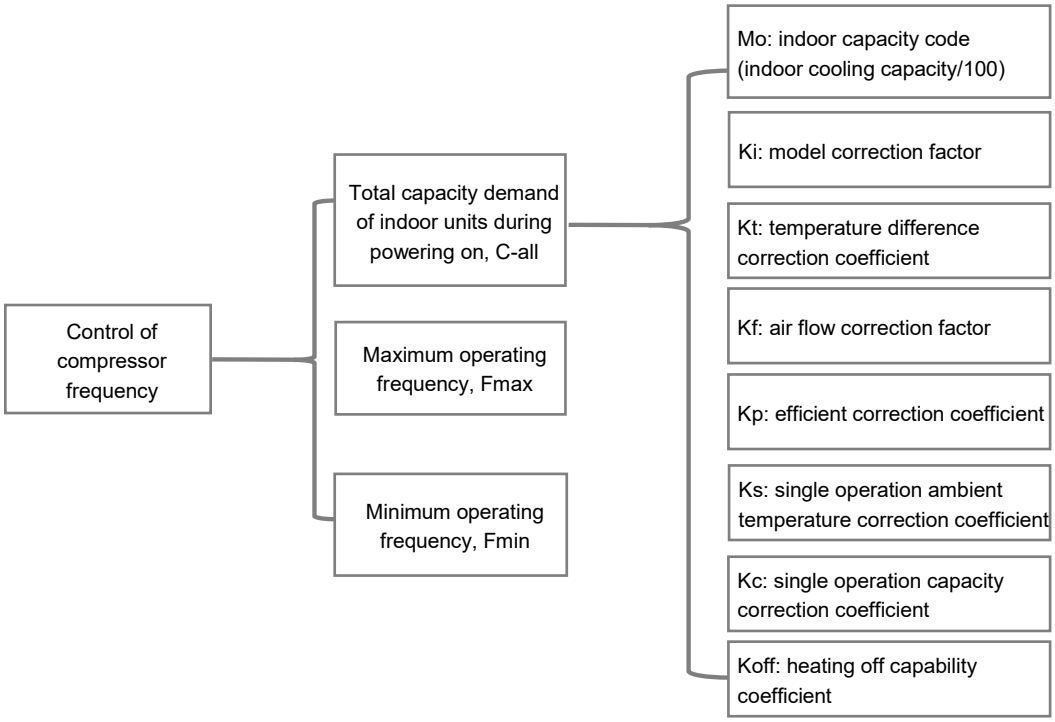
g. Liquid tube sensor

It is designed to regulate the electronic expansion valve for cooling and heating and control the correction of the expansion valve

2) Compressor Frequency Control

a. Compressor frequency control

The compressor's frequency is controlled using a proportional algorithm, which is proportional to the total demand of the internal units.



3) Electronic Expansion Valve Control

a. Opening control during powering on

Reset: Each time the power is turned on or the compressor is turned off, the electronic expansion valves close to the minimum opening and then open to the opening in standby mode in turn.

Initial opening: After powering on, the electronic expansion valve enters the initial opening first, and then regulation control only after operating for some time.

Note: When the cooling or heating is to be turned on and operating, if the power is accidentally disconnected, the cooling will fail to be turned on, the electronic expansion valve of the internal unit will be closed, and the refrigerant will not be discharged from the tube; the heating will fail to be turned on, and the electronic expansion valve of the heating part will have a certain degree of opening.

b. Control of electronic expansion valves during cooling

When cooling is enabled, the indoor units are controlled by referring to the evaporation superheat.

When no unit is turned on, all electronic expansion valves close fully, and no refrigerant is allowed to pass through.

After the compressor is turned on for some time, the DSH control is enabled to correct the electronic expansion valve.

c. Control of electronic expansion valves during heating

When heating is enabled, the indoor units are controlled by referring to the superheat:

When no unit is turned on, the opening of the electronic expansion valves is controlled to the minimum value, and only a small amount of refrigerant is allowed to pass through.

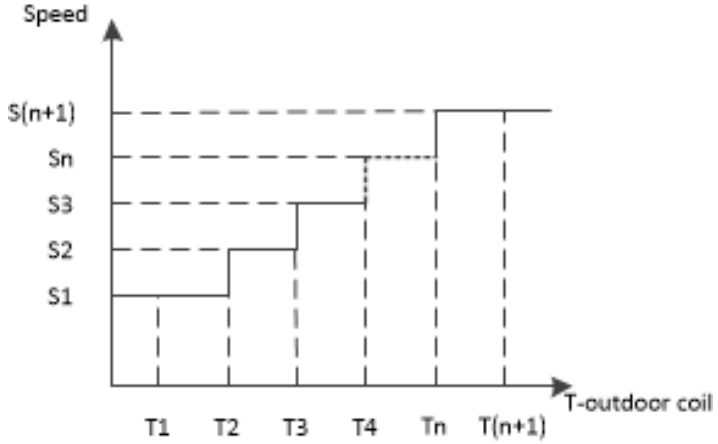
After the compressor is turned on for some time, the DSH control is enabled to correct the electronic expansion valve.

4) Indoor/Outdoor Fan Speed Control

The outdoor fan is equipped with a DC motor with multiple air speed gears. During cooling, the initial wind speed should be determined first based on the external temperature and maintained for 1 minute before normal control.

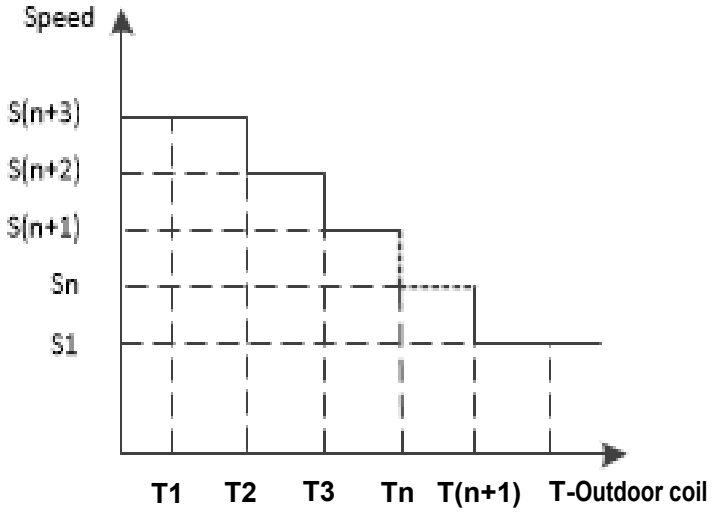
a. Speed control in cooling mode

In cooling mode, the higher the outdoor ambient temperature, the greater the initial outdoor air speed; different initial speed gears are set according to the different outdoor ambient temperatures.



b. Speed control in heating mode

In heating mode, the lower the outdoor ambient temperature, the higher the initial outdoor air speed; different initial speed gears are set according to the different outdoor ambient temperatures.



5) Defrost Control

a. Frosting judgment criteria

After the compressor has been operating continuously for a certain time, software will determine if defrost conditions are met based on based on the outdoor ambient temperature and outdoor coil temperature. If these temperatures reach the preset value, and it operates for a certain time, it will be judged that frost has formed.

b. Defrost control entry

Stop the compressor first, turn off indoor and outdoor fans simultaneously, adjust the electronic expansion valve to an opening of defrosting, close the four-way valve, and start the compressor to defrost frequency for defrosting.

c. Defrost end conditions

Condition 1: Defrosting has been running for a certain time (the time is set by the memory)

Condition 2: T outdoor coil is ≥ preset temperature for 30s

When any of the above conditions is met, it is judged that the frost has been completely removed.

6) System Protection

a. Exhaust protection/overload cooling/overload heating/anti-freezing during cooling

Shutdown control: When the temperature exceeds the shutdown temperature for 10 seconds, shutdown control will be enabled, and a fault code will be displayed.

Frequency reduction control: When the temperature exceeds the frequency reduction temperature, the compressor first reduces the frequency and detects it every few minutes.

If frequency reduction is required, the frequency will be reduced by 5 Hz; if frequency reduction is not required, frequency reduction control will be disabled.

Frequency limiting control: When the temperature rises or falls to the frequency limiting temperature, the frequency of the compressor can only be reduced, not be increased.

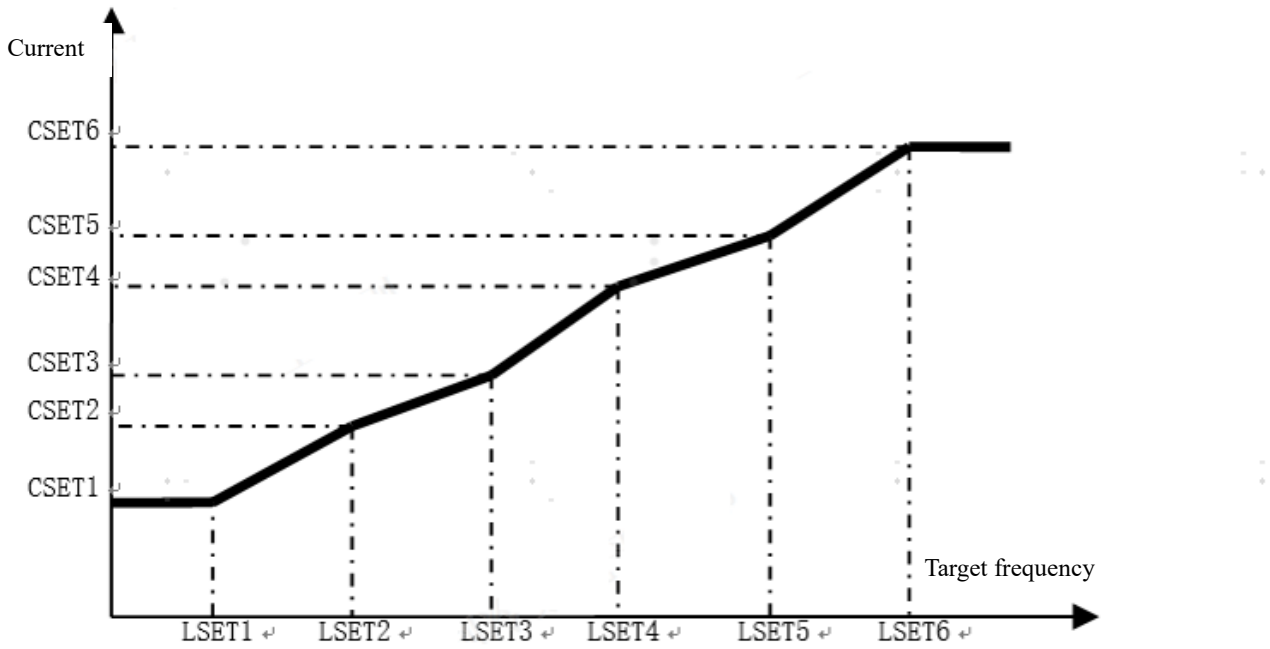
OPERATION

Unit Function

Category	Exhaust	Overload cooling	Overload heating	Anti-freezing during cooling
Frequency limiting temperature	Td1	Trl1	Thl1	Tf1
Frequency reduction temperature	Td2	Trl2	Thl2	Tf2
Shutdown temperature	Td13	Trl3	Thl3	Tf3
Remark	Frequency limiting − frequency reduction − shutdown temperature, exhaust temperature increases in sequence	Frequency limiting − frequency reduction − shutdown temperature, overload cooling temperature increases in sequence	Indoor unit shutdown shielding; frequency limiting − frequency reduction − shutdown temperature, overload heating temperature increases in sequence	Frequency limiting − frequency reduction − shutdown temperature, anti-freezing temperature during cooling decreases in sequence

b. Compressor current protection

The outdoor unit has different current protection value settings for different target frequencies.



OPERATION

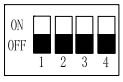
Field Settings

DIP setting

DIP Switch Setting of Outdoor Unit

TURN ON all power sources before setting.

Mark of "■" indicates the position of DIP switches.

S5 Dip switch setting		S4 Dip switch setting	
Factory setting		Factory setting	
Capacity: silence		Pump Down Switch	
Cooling Only		Forced defrosting	

1. Force defrosting mode

By default setting is OFF.

OFF -- Automatic defrosting mode

ON ---- Manual defrosting mode

Operation is valid when the dial is switched from OFF to ON state.

OPERATION:

When the outdoor unit runs in heating mode, and the dial is switched from OFF to ON, then it will run the manual defrosting mode once.

2. Silence mode

By default setting is OFF.

OFF ----Normal mode.

ON---- Silence mode

Operation is valid when the dial is ON.

Silence mode:

Under the silence mode, the outdoor unit fan will run in medium fan speed at most.

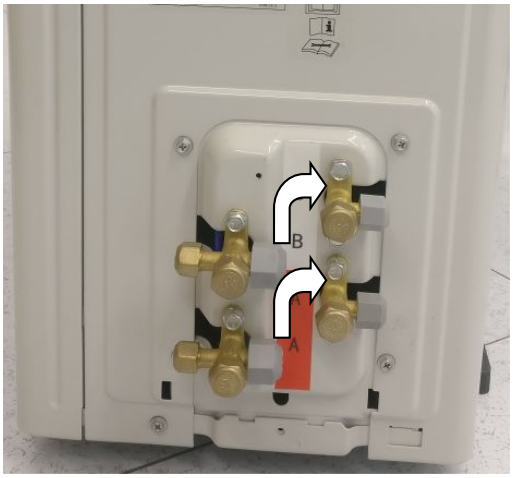
3. Pump down mode

Actions :

The compressor runs with the target frequency, and without any protection when frequency rises; The EEV runs with setting opening; Outdoor unit fan will run with the set fan speed.

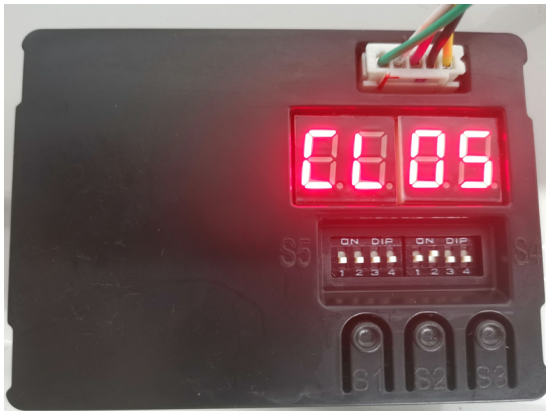
Operation procedures:

The thermostat is turned off during the whole process.
Please power off before operation.
Step 1:
Open the wiring cover on the right side of the machine. Step 2:
Close all the stop valves of the liquid piping with an Allen wrench in a clockwise direction.

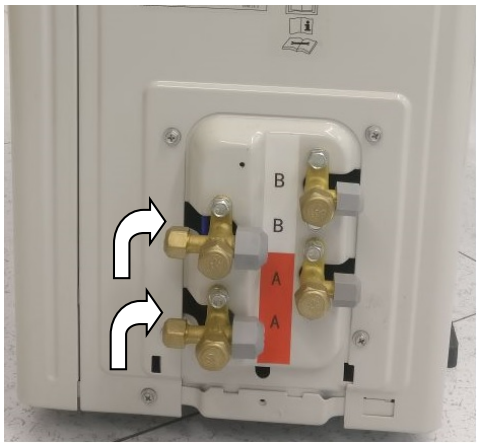


Field Settings

Step 3:
Switch on the machine power.
Step 4:
Switch S4-2 to ON position on the checker board, the outdoor unit starts, and the current frequency value is displayed on the LED digital tube of the checker board.
Step 5:
The frequency value will keep changing until "CLOS" is displayed on the LED digital tube of the checker board, then please check whether the liquid stop valve is closed.



Step 6:
When "GOOD" is displayed on the LED digital tube of the checker board, please close all the stop valves of the gas piping with an Allen wrench in a clockwise direction within 10s.



Step 7:
Cut off machine power and the procedure for recovering refrigerant is finished.

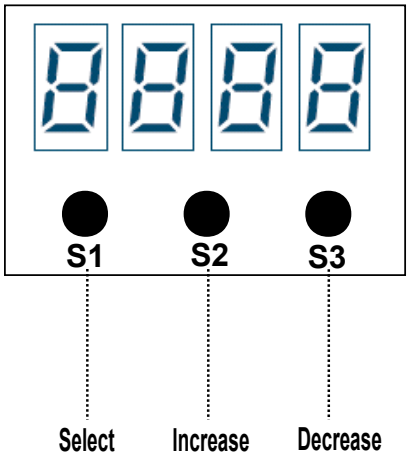
4. Cooling only mode

By default setting is OFF.
OFF ----Cooling only mode is invalid.
ON---- Cooling only mode
Operation is valid when dial is switched from OFF to ON state before power on.
Cooling only mode
Heating mode is invalid during this mode.

Field Settings

Running Parameter Query

For up to 3 IDUs/ up to 4 IDUs/ up to 5 IDUs series, outdoor running parameters can be checked by 7 segment display.



There are 3 buttons on the digital display board:
1) Select button: Select to display outdoor/indoor unit parameter.
"P." -- Parameter of outdoor unit
"A." -- Parameter of indoor unit A
"b." -- Parameter of indoor unit B
"C."-- Parameter of indoor unit C
"d." -- Parameter of indoor unit D
"E." -- Parameter of indoor unit E
2) INCREASE button: Each time it is pressed, the number rises by 1.
3) DECREASE button: Each time it is pressed, the number lowers by 1.
The parameter content will automatically display after the parameter code is selected for 3s.

Parameters can be checked as the table below.

Parameter Code	Descriptions	Parameter Code	Descriptions
P.0	Fault codes	A.1	Unit A fault codes
P.1	Compressor actual frequency	A.2	Unit A valve actual opening
P.2	Compressor driving frequency	A.4	Unit A liquid pipe temperature
P.4	Compressor target frequency	A.5	Unit A gas pipe temperature
P.5	Compressor exhaust temperature	A.6	Unit A coil temperature
P.6	Outdoor suction Temperature	A.7	Unit A ambient temperature
P.7	Outdoor ambient temperature	A.8	Unit A set temperature
P.8	Outdoor coil temperature	A.9	Unit A capacity
P.9	Outdoor defrosting temperature	A.10	Unit A set fan speed
P.10	IPM module temperature	A.11	Unit A actual suction overheating (cooling)
P.11	Outdoor capacity requirement	B.1	Unit B fault codes
P.12	IPM fault codes	B.2	Unit B valve actual opening
P.13	Outdoor DC Motor target speed	B.4	Unit B liquid pipe temperature
P.14	AC input current	B.5	Unit B gas pipe temperature
P.15	AC input voltage	B.6	Unit B coil temperature
P.16	DC bus voltage	B.7	Unit B ambient temperature
P.17	Compressor phase current	B.8	Unit B set temperature
P.18	Frequency limit code	B.9	Unit B capacity
P.20	Target suction overheating	B.10	Unit B set fan speed
P.21	Target exhaust overheaingt	B.11	Unit B actual suction overheating (cooling)
P.22	Actual suction overheating (heating)		
P.23	Actual exhaust overheating (heating)		

Field Settings

Parameter Code	Descriptions	Parameter Code	Descriptions
C.1	Unit C fault codes	E.1	Unit E fault codes
C.2	Unit C valve actual opening	E.2	Unit E valve actual opening
C.4	Unit C liquid pipe temperature	E.4	Unit E liquid pipe temperature
C.5	Unit C gas pipe temperature	E.5	Unit E gas pipe temperature
C.6	Unit C coil temperature	E.6	Unit E coil temperature
C.7	Unit C ambient temperature	E.7	Unit E ambient temperature
C.8	Unit C set temperature	E.8	Unit E set temperature
C.9	Unit C capacity	E.9	Unit E capacity
C.10	Unit C set fan speed	E.10	Unit E set fan speed
C.11	Unit C actual suction overheating (cooling)	E.11	Unit E actual suction overheating (cooling)
D.1	Unit D fault codes		
D.2	Unit D valve actual opening		
D.4	Unit D liquid pipe temperature		
D.5	Unit D gas pipe temperature		
D.6	Unit D coil temperature		
D.7	Unit D ambient temperature		
D.8	Unit D set temperature		
D.9	Unit D capacity		
D.10	Unit D set fan speed		
D.11	Unit D actual suction overheating (cooling)		

Note： The right is therefore reserved to EE changing without notice.

Field Settings

2.2 Test Run

Test run should be performed after refrigerant piping, drain, wiring, etc. have been finished.

⚠CAUTION

The heat pump air conditioner is provided with a crankcase heater. If ambient temperature is below 32°F(0°C), check to ensure that the switch on the main power source has been ON for more than 6 hours ahead of power on preheating, otherwise it might damage the compressor!

Do not operate the system until all the check points have been cleared.

(A) Check to ensure that the stop valves of the outdoor unit are fully opened.

(B) Check to ensure that the electric wires have been fully connected.

(C) Check to ensure that the electrical resistance is more than 2MΩ, by measuring the resistance between ground and the terminal of the electrical parts. If not, do not operate the system until the electrical leakage is found and repaired.

Test run function identification

Operate the thermostat to turn ON the appliance, and then proceed test run.

Pay attention to the following items while the system is running.

Do not touch any of the parts by hand at the discharge gas side, since the compressor chamber and the pipes at the discharge side are heated higher than 194℉ （90℃）.

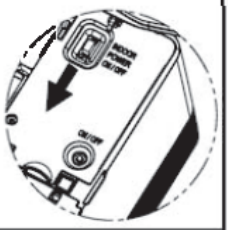
- Turn off the power after test run is finished.

  Installation of the appliance is generally finished after the above operations are done. If you still have any trouble, please contact Technical support (877) 599-5665

MAINTENANCE

Front panel and shell maintenance

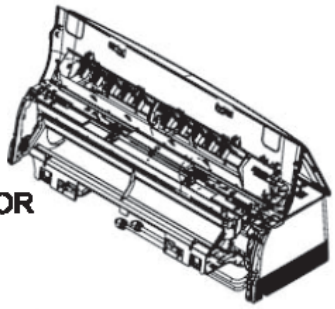
1 **Cut off the power supply by moving the power switch in the direction of the arrow.**



Note: Turn off the appliance first before cutting off the power supply.

2

Open the front panel and the front shell refer to Fig.9~Fig.12 of INDOOR UNIT INSTALLATION.



3 **Wipe with a soft and dry cloth.**

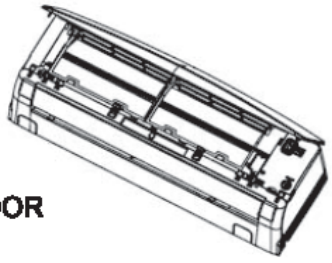
Use soft moisture cloth to clean if the front panel is very dirty.

4 **Never use volatile substance such as gasoline or polishing powder to clean the appliance.**

5 **Never sprinkle water onto the indoor unit**

6

Close the front panel and the front shell refer to Fig.22~Fig.26 of INDOOR UNIT INSTALLATION.



Air filter maintenance

It is necessary to clean the air filter after using it for about 200 hours.

Clean it as follows:

1 **Stop the appliance and remove the air filter.**

1.Open the front panel.
2.Press the handle of the filter gently from the front.
3. Grasp the handle and slide out the filter.

2 **Clean and reinstall the air filter.**

If the dirt is conspicuous, wash it with a solution of detergent in lukewarm water. After cleaning, dry well in shade.

3 **Close the front panel again.**

■ ***Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.***

MAINTENANCE

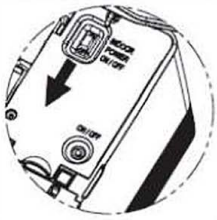
⚠ **The following is a deep cleaning and must be completed by a professional.**

⚠ **Users are strictly forbidden to operate privately, otherwise they will be at their own risk.**

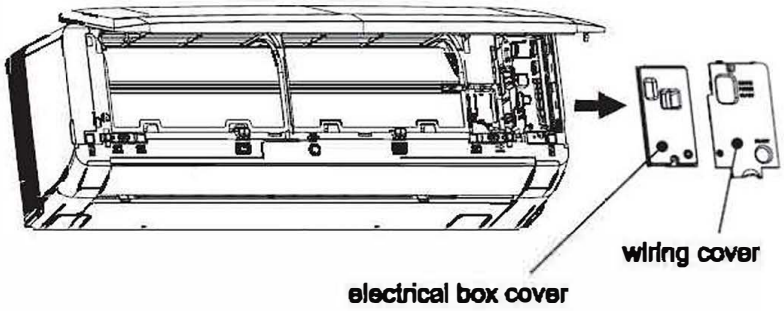
Front shell, air duct and fan maintenance

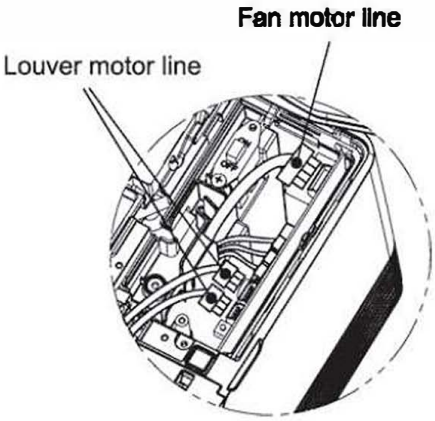
1 **Cut off the power supply by moving the power switch in the direction of the arrow.**

Note: Turn off the appliance first before cutting off the power supply.



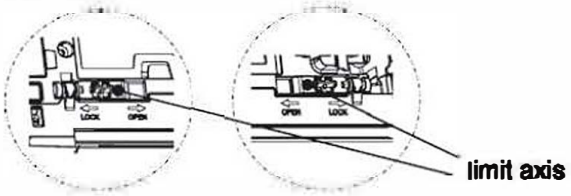
2 **1. Remove the wiring cover and the electrical box cover.**
2. Disconnect the fan motor line and the louver motor line.

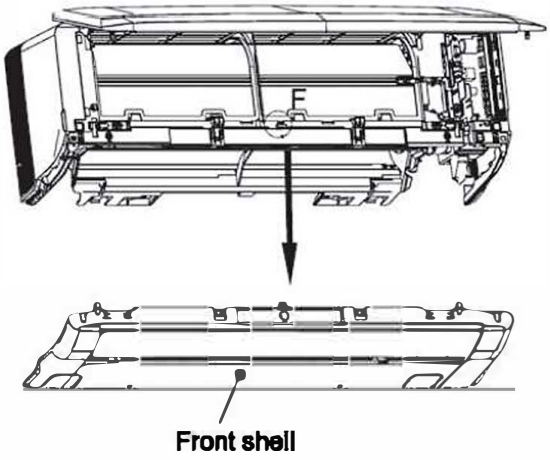




3 **1. Open the screw covers and remove the screws refer to Fig.414 of INDOOR UNIT INSTALLATION.**
2. Open the limit axes.
3. Remove the front shell for cleaning.

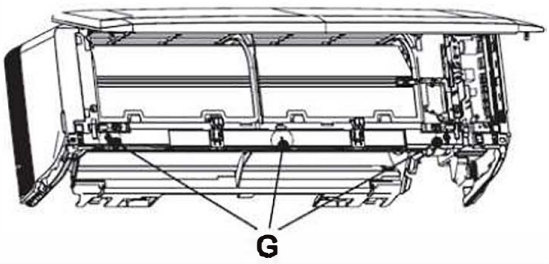
Note: Pay attention to the limit of F position, some models have two places.
Note: when you want to clean the front shell with clean water, you must first remove all the motors on the front shell.





4 **Remove the screws of the air duct.**
(G position and H position)

Note: Some models do not have H position screws.



MAINTENANCE

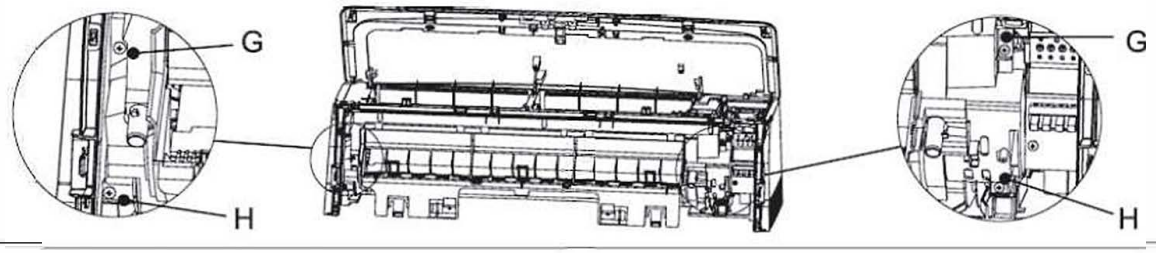
⚠ **The following is a deep cleaning and must be completed by a professional.**

⚠ **Users are strictly forbidden to operate privately, otherwise they will be at their own risk.**

Front shell, air duct and fan maintenance

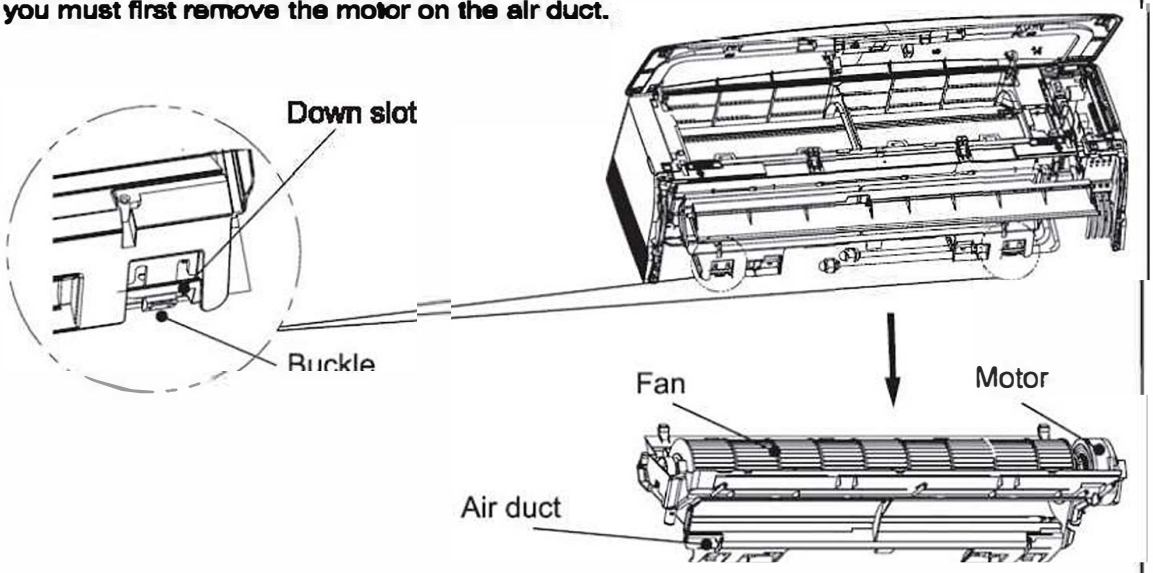
Remove the screws of the air duct. (G position and H position)

Note: Some models do not have H position screws.



5 **1. Press the 2 buckles of the air duct to disengage it from 2 down slots of the mounting plate.**
2. Remove the air duct.

Note: when you want to clean the air duct and the fan with clean water, you must first remove the motor on the air duct.



6 **After cleaning, install the machine against the disassemble sequence.**

Note: If the front shell, the air duct and the fan are washed with water, they must be thoroughly dried before they can be installed.

TROUBLESHOOTING

Outdoor Unit

Basic Troubleshooting

Troubleshooting	Possible Reason of Abnormality	How to Deal With
Air conditioner does not start up	1. Power supply failure; 2. Trip of breaker or blown fuse 3. Power voltage is too low; 4. Improper setting of remote controller ; 5. Remote control is short of power.	1. Check power supply circuit; 2. Measure insulation resistance to ground to see if there is any leakage; 3. Check if there is a defective contact or leak current in the power supply circuit; 4. Check and set remote control again; 5. Change batteries.
The compressor starts or stops frequently	The air inlet and outlet has been blocked.	Remove blocking obstacles.
Poor cooling/heating	1. The outdoor heat exchanger is dirty, such as condenser; 2. There are heating devices indoors 3. The air tightness is not enough. People come in and out too frequently. 4. Block of outdoor heat exchanger; 5. Improper setting of temperature.	1. Clean the heat exchanger of the outdoor unit, such as condenser ; 2. Remove heating devices; 3. Keep certain air tightness indoors; 4. Remove blocking obstacles; 5. Check and try to set temperature again.
Sound from deforming parts	During system starting or stopping, a sound might be heard. However, this is due to thermal deformation of plastic parts.	It is not abnormal, and the sound will disappear soon.
Water leakage	1. Drainage pipe blocked or broken; 2. Wrap of refrigerant pipe joint is not closed completely.	1. Change drainage pipe. 2. Re-wrap and make it tight.

Table 501

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _ Intro

How to check fault codes

Troubleshooting according to fault codes

When the air conditioner failure occurs, the fault code will display on control board, or maintenance board.

Outdoor unit

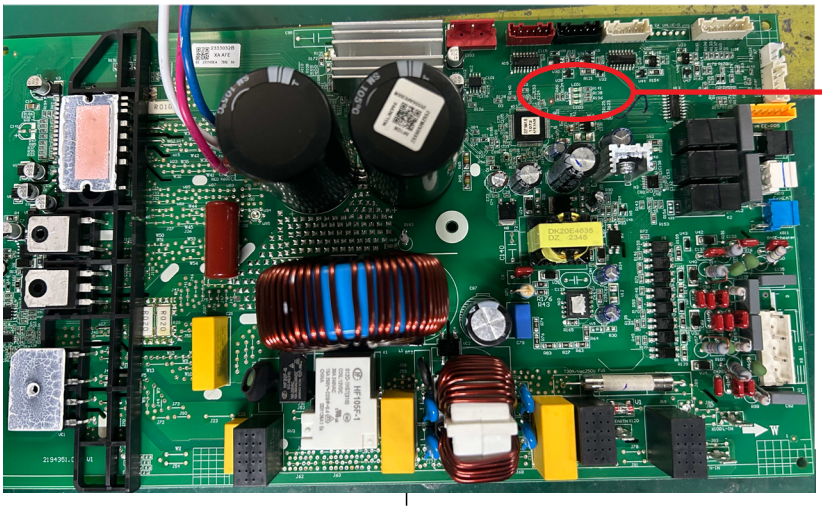
Fault code displayed by LED lamps on outdoor main control board.

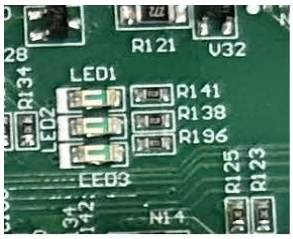
There are 3 LED lamps on control board, LED1, LED2 and LED3.

LED1 indicates fault code represented by 2-digit number, LED2 indicates fault code represented by single digit number and LED3 indicates outdoor drive control fault. When LED3 is off, LED1 and LED 2 indicate main control fault code.

When LED3 is on, LED1 and LED 2 indicate drive control fault code.

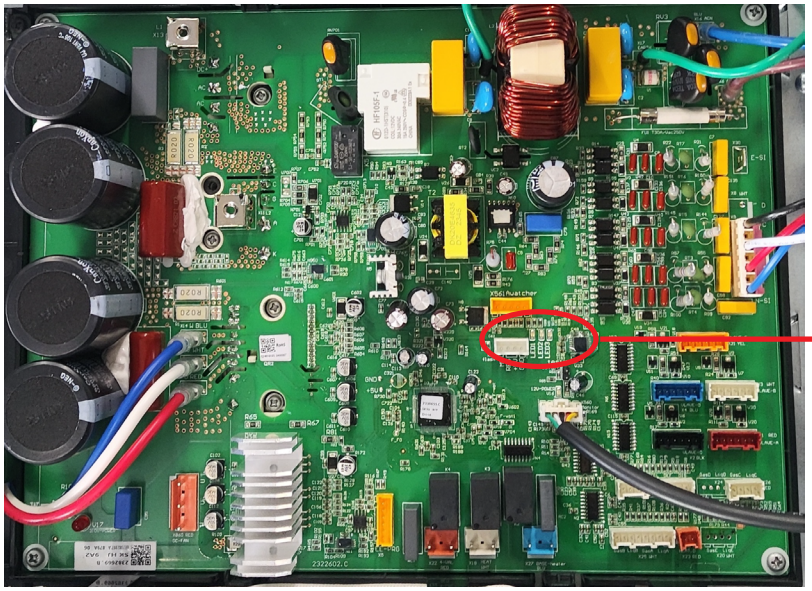
When LED3 is flickering and LED1, LED 2 are all off, indicate compressor is preheating. Failures display with 5s interval. It means LED will be off for 5s to report next fault code. System protection codes display method is the same with main control fault code. LED lamps will be off when there is no failure, protection or preheating.

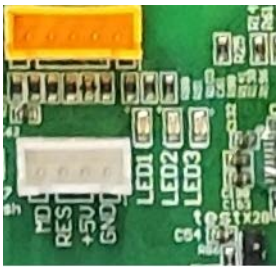




LED1: Ten's place
LED2: Unit's place
LED3: Drive failure indicator

Main Control Board 18K





LED1: Ten's place
LED2: Unit's place
LED3: Drive failure indicator

Main Control Board 27K

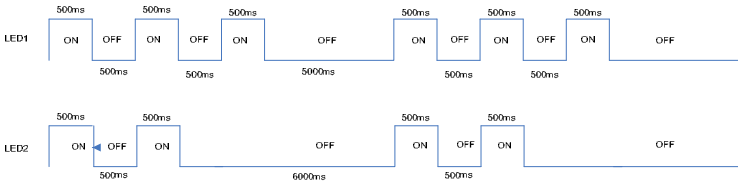
TROUBLESHOOTING

Outdoor Unit
Diagnostic Codes _ Intro

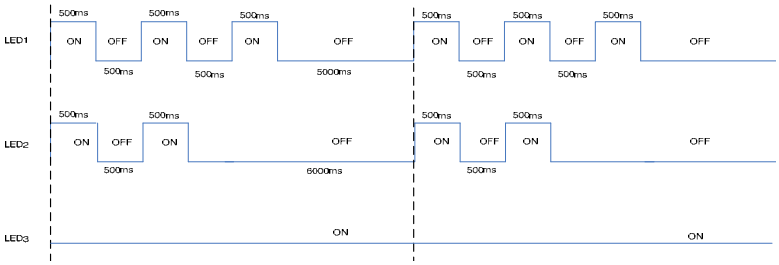
LED3: Ten's place
LED4: Unit's place
LED5: Drive failure indicator

Main Control Board 36K/42K

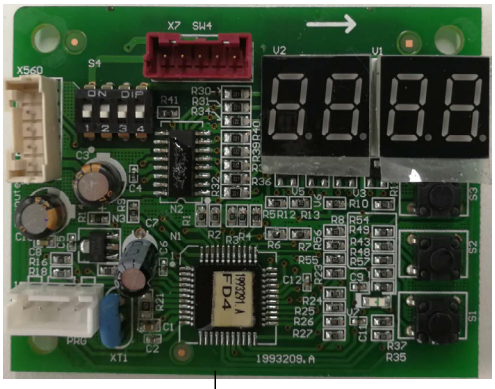
For example, outdoor main control fault 32:



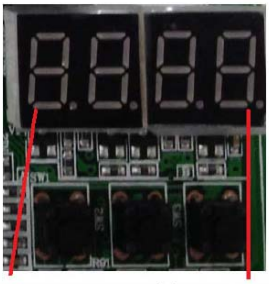
For example, outdoor drive fault 32:



Fault codes also can be checked by 7 segment display on the maintenance board.
Fault codes will display directly when fault occurs.



Maintenance Board



E shows failure occur

Display ERROR Code

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _Main PCB

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Outdoor ambient temperature sensor fault	1. The outdoor ambient temperature sensor is connected loosely. 2. The outdoor ambient temperature sensor fails to work. 3. The Main PCB sampling circuit fails.	1. Reconnect the outdoor ambient temperature sensor. 2. Replace the outdoor ambient temperature sensor components. 3. Replace the Main PCB.
2	Outdoor coil temperature sensor fault	1. The outdoor ambient temperature sensor is connected loosely;. 2. The outdoor ambient temperature sensor fails to work;. 3. The Main PCB sampling circuit fails.	1. Reconnect the outdoor ambient temperature sensor. 2. Replace the outdoor ambient temperature sensor components. 3. Replace the Main PCB.
3	The unit over-current shut down fault	1. Main PCB current sampling circuit fails; 2. The current is exceeding maximum limits high because the supply voltage is too low. 3. The compressor is blocked. 4. Overload in cooling mode; 5. Overload in heating mode."	1. Replace the Main PCB. 2. Normal protection, Check supply power. 3. Replace the compressor. 4. Please see Table 702 5. Please see Table 703.
4	EEprom Data error	1. EE components fails; 2. EE components control circuit fails; 3. EE components are inserted incorrectly."	1. Replace the Main PCB.
5	Cooling freezing protection (the indoor coil temperature is too low) or heating overload (indoor coil temperature is too high)	1. The indoor unit airflow abnormal. 2. The room temperature is too low in cooling mode or the room temperature is too high in heating. 3. The filter is dirty. 4. The duct resistance is too high to result in low air flow. 5. The fan speed setting is too low. 6. The indoor unit is not installed in accordance with the installation standards, and the air inlet is too close to the air outlet .	1. Check whether the indoor fan, indoor fan motor and evaporator work normally. 2. Normal protection. 3. Clean the filter. 4. Check the volume control valve, duct length etc. 5. Set the fan speed to high. 6. Reinstall the indoor unit referring to the user manual to change the distance between the indoor unit and the wall or ceiling.
7	The communication fault between the indoor unit and outdoor unit	1. The communication cable is connected improperly between the indoor unit and outdoor unit. 2. The communication cable is connected loosely. 3. The communication cable fails. 4. The indoor control board fails. 5. The outdoor control board fails;. 6. Communication circuit fuse open. 7. The specification of communication cable is incorrect."	1. Reconnect the communication cable referring to the wiring diagram. 2. Reconnect the communication cable. 3. Replace the communication cable. 4. Replace the indoor control board;. 5. Replace the outdoor control board. 6. Check the communication circuit, adjust the DIP switch and the short-circuit fuse. 7. Ensure communication cable is 4 X 14 AWG.
13	Compressor overheat protector device	1. The wiring of the overload protector is connected loosely. 2. The overload protector fails . 3. The refrigerant is low. 4. The installation pipe is much longer than the normal one, but extra refrigerant is not added ; 5. The expansion valve fails; 6. The outdoor Main PCB has failed.	1. Reconnect the wiring of the overload protector;. 2. Replace the overload protector. 3. Using an A2L approved leak detector, Check the braze points of the unit to confirm there are no leaks, then recharge the refrigerant;. 4. Add the refrigerant, refer to refrigerant Charging methods. 5. Replace expansion valve. 6. Replace the outdoor Main PCB.
14	The high pressure switch operation or the unit is turned off for high pressure protection	1. The wiring of the high pressure protector is connected loosely. 2. The high pressure protector fails; 3. The outdoor Main PCB has malfunctioned. 4. Overload in cooling; 5. Overload in heating."	1. Reconnect the wiring of the high pressure protector. 2. Replace the high pressure protector. 3. Replace the Main PCB. 4. Please refer to NOTE 3. 5. Please refer to NOTE 4.
16	Overload protection in cooling mode	System overload	Please refer to NOTE 3.
17	Discharge temperature sensor fault	1. The wiring of the discharge temperature sensor is connected loosely. 2. The discharge temperature sensor fails; 3. The Main PCB sampling circuit is abnormal."	1. Reconnect the wiring of the discharge temperature sensor. 2. Replace the discharge temperature sensor. 3. Replace the outdoor Main PCB.

Table 502

TROUBLESHOOTING

Outdoor Unit
Diagnostic Codes _Main PCB

Fault code	Fault description	Possible reasons for abnormality	How to deal with
18	AC voltage is abnormal	1. The AC voltage>275V or <160V; 2. The AC voltage of sampling circuit on the driver board is abnormal.	1. Normal protection, please check the supply power; 2. Replace the driver board.
19	Suction temperature sensor fault	1. The wiring of the suction temperature sensor is connected loosely. 2. The suction temperature sensor fails. 3. The Main PCB sampling circuit is abnormal.	1. Reconnect the wiring of the suction temperature sensor;. 2. Replace the suction temperature sensor; 3. Replace the outdoor Main PCB.
22	The defrosting sensor fault	1. The wiring of the suction temperature sensor is connected loosely. 2. The suction temperature sensor fails. 3. The Main PCB sampling circuit is abnormal.	1. Reconnect the wiring of the suction temperature sensor;. 2. Replace the suction temperature sensor; 3. Replace the outdoor Main PCB.
23	Expansion valve A pipe (liquid) sensor fault	1. The wiring of the sensor for the expansion valve A(liquid pipe) is connected loosely; 2. The sensor for the expansion A (liquid pipe) fails; 3. The Main PCB sampling circuit is abnormal."	1. Reconnect the wiring of the sensor for the expansion valve A (liquid pipe); 2. Replace the sensor for the expansion valve A (liquid pipe); 3. Replace the outdoor Main PCB.
24	Expansion valve B (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve B(liquid pipe) is connected loosely; 2. The sensor for the expansion B (liquid pipe) fails; 3. The Main PCB sampling circuit is abnormal."	1. Reconnect the wiring of the sensor for the expansion valve B (liquid pipe); 2. Replace the sensor for the expansion valve B (liquid pipe); 3. Replace the outdoor Main PCB.
25	Expansion valve C (liquid) pipe sensor fault	1. The wiring of the sensor for the expansion valve C(liquid pipe) is connected loosely; 2. The sensor for the expansion C (liquid pipe) fails; 3. The Main PCB sampling circuit is abnormal."	1. Reconnect the wiring of the sensor for the expansion valve C (liquid pipe); 2. Replace the sensor for the expansion valve C (liquid pipe); 3. Replace the outdoor Main PCB.
26	Expansion valve D (liquid) pipe sensor fault	"1. The wiring of the sensor for the expansion valve D (liquid pipe) is connected loosely; 2. The sensor of the expansion valve D (liquid pipe) fails; 3. The sampling circuit fails."	"1. Reconnect the wiring of the sensor for the expansion valve D (liquid pipe); 2. Replace the sensor for the expansion valve D (liquid pipe); 3. Replace the outdoor control board."
27	Expansion valve A (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve A (gas pipe) is connected loosely; 2. The sensor of the expansion valve A (gas pipe) fails; 3. The Main PCB sampling circuit fails."	1. Reconnect the wiring of the sensor for the expansion valve A (gas pipe); 2. Replace the sensor for the expansion valve A (gas pipe); 3. Replace the outdoor Main PCB.
28	Expansion valve B (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely. 2. The sensor of the expansion valve B (gas pipe) fails; 3. The Main PCB sampling circuit fails."	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve B (gas pipe); 3. Replace the Main PCB.
29	Expansion valve C (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve C (gas pipe) fails;. 3. The Main PCB sampling circuit fails..	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve C (gas pipe); 3. Replace the outdoor Main PCB.
30	Expansion valve D (gas pipe) sensor fault	1. The wiring of the sensor for the expansion valve B (gas pipe) connect is connected loosely; 2. The sensor of the expansion valve D (gas pipe) fails; 3. The Main PCB sampling circuit fails.	1. Reconnect the wiring of the sensor for the expansion valve B (gas pipe); 2. Replace the sensor for the expansion valve D (gas pipe); 3. Replace the outdoor control board.
45	IPM fault	There are many reasons for this failure. You can check the driver board fault LED to further analyze the fault code of the drive board and to learn about what leads to the fault and how to operate it. Specific information can be seen in table 503.	See table 503 and 504
46	IPM and control board communication fault	There are many reasons for this failure. You can check the driver board fault LED to further analyze the fault code of the drive board and to learn about what leads to the fault and how to operate it. Specific information can be seen in table 503 and 504.	See table 503 and 504

Table 502

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _Main PCB

Fault code	Fault description	Possible reasons for abnormality	How to deal with
47	Discharge temperature is too high	1. The refrigerant of the unit is low. 3. EEV has malfunctioned. 4. The outdoor ambient temperature is too high."	1. Check for refrigerant leak. 2. Repair leak - See Refrigerant evacuation and charging. 3. Replace EEV. 4. Normal protection."
48	The outdoor DC fan motor fault (upper fan motor)	1. Fan motor connections loose. 2. Fan motor wiring damaged. 3. The upper DC fan motor fails; 4. The drive circuit of the upper DC fan motor fails; 5. The outdoor fan has been blocked."	1. Reconnect the wiring of the up DC fan motor; 2. Repair or replace wiring. 3. Replace the upper DC fan motor; 4. Replace the Main PCB. 5. Check the outdoor fan and ensure the outdoor fan can run normally."
50	Expansion valve E (gas pipe) sensor fault	1. Expansion valve E (gas pipe) sensor wiring connections are loose. 2. The expansion valve E sensor (gas pipe) fails; 3. The sampling circuit fails."	1. Reconnect the wiring of the expansion valve E (gas pipe); 2. Replace the expansion valve E (gas pipe) sensor. 3. Replace the outdoor control board."
53	Expansion valve E (liquid) pipe sensor fault	1. Expansion valve E (liquid pipe) sensor wiring connections are loose. 2. The expansion valve E sensor (liquid pipe) fails; 3. The sampling circuit fails."	1. Reconnect the wiring of the expansion valve E (liquid pipe); 2. Replace the expansion valve E (liquid pipe) sensor. 3. Replace the outdoor control board."
67	Fan of IPM device overheat protect	1. The fan of IPM is overload; 2. The circuit of IPM fails."	1. Normal protection; 2. Replace the IPM."
91	The unit turns off due the IPM board over heating fault	1. The outdoor ambient temp. is too high; 2. The speed of the out fan motor is too low if the fan motor is AC fan motor; 3. he outdoor unit is not installed in accordance with the standard; 4. The supply power is too low.	1. Normal protection; 2. Check the fan capacitor, and replace the fan capacitor if it is failure; 3. Reinstall the outdoor unit. Refer to the installation section of this manual; 4. Normal protection.
96	Refrigerant low	Refrigerant low	Discharge the refrigerant and charge the refrigerant referring to the Nameplate of the unit. See installation section of this manual.
97	4-way valve commutation failure fault	1. The connecting wiring of the 4- way valve coil is loose; 2. The 4-way valve coil fails; 3. The 4-way valve fails; 4. The driver board of the 4-way valve fails.	1. Reconnect the wiring of the 4-way valve; 2. Replace the 4-way valve coil; 3. Replace the 4-way valve; 4. Replace the main pcb.
NOTE 1: If the indoor unit can not start or the indoor unit stops itself after 30s, at the same time the unit do not display the fault code, please check the pin and the socket of the control board.			
NOTE 2: If the indoor unit displays the 75,76,77,78 fault code after you turn on the unit, please check the TEST seat of the indoor control board or the TEST detection circuit to see whether short circuit occurs.			
NOTE 3: Overload in cooling mode			
		THE ROOT CAUSE	**CORRECTIVE MEASURE**
1		The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the nameplate and the installation section of this manual.
2		The outdoor ambient temperature is too high.	Please use within allowable temperature range
3		Short-circuit occurs in the air outlet and air inlet of the outdoor unit.	Adjust the installation of the outdoor unit referring to the installation section of this manual.
4		The outdoor heat exchanger is dirty, such as condenser.	Clean the heat exchanger of the outdoor unit, such as condenser
5		The speed of the outdoor fan motor is too low.	Check the outdoor fan motor,
6		The outdoor fan is broken or the outdoor fan is blocked.	Check the outdoor fan.
7		The air inlet and outlet has been blocked.	Remove the blocked objects.
8		The expansion valve fails.	Replace the expansion valve.

Table 502

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _Main PCB

Fault code	Fault description	Possible reasons for abnormality	How to deal with
NOTE 4: Over load in heating mode			
1		The refrigerant is excessive.	Discharge the refrigerant, and recharge the refrigerant referring to the nameplate and the installation section of this manual.
2		The outdoor ambient temperature is too high.	Please use within allowable temperature range
3		The indoor ambient temperature is too high.	Please use within allowable temperature range.
4		Short-circuit occurs in the air outlet and air inlet of the outdoor unit.	Adjust the installation of the outdoor unit referring to the installation section of this manual.
5		The indoor filter is dirty.	Clean the indoor filter.
6		The speed of the indoor fan motor is too low.	Check the indoor fan motor and fan capacitor.
7		The indoor fan is broken or the outdoor fan is blocked.	Check the indoor fan.
8		The air inlet and outlet has been blocked.	Remove the blocked objects.
9		The expansion valve fails.	Replace the expansion valve.

Table 502

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _Driver Faults (18k)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. Control board fault.	1. Check the power supply; 2. Change the control board.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad control board components; 3. The compressor insulation fault.	1. Check the compressor wire connection 2. Change the main PCB. 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. Control board fault; 3. Compressor oil shortage, serious wear of crank-shaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the control board; 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. Control board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the main PCB.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high. 2. Control board fails; 3. PFC fails.	1. Check the system; 2. Change the control board; 3. Change the Main PCB
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. control board fails.	1. Check the power supply; 2. Change the Main PCB.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	control board fails.	Change the Main PCB.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. control board fails;	1. Check the wiring; 2. Change the Main PCB.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	Control board EEPROM is abnormal.	1. Change EEPROM; 2. Change the Main PCB.
26	DC voltage mutation error	1. Power input changes suddenly; 2. control board fails.	1. Check the power supply, to provide stable power supply; 2. Change the Main PCB.
27	Compressor drive D axis current control error	1. System overload, phase current is too high; 2. Control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the control board.

Table 503

TROUBLESHOOTING

Outdoor Unit
Diagnostic Codes _Driver Faults(18k)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
28	Compressor drive Q axis current control error	1. System overload, phase current is too high; 2. control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the Main PCB.
29	Saturation error of D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the Main PCB.
30	Saturation error of Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. Control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the Main PCB.
50	Inverter software over-current	1. The fan motor system overloads. 2. Control board fails; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change the Main PCB. 3. Change the fan motor.
51	Out-of-step detection	1. The wire is not connected well; 2. Bad control board components; 3. The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1. Check the fan motor wire connection; 2. Change the control board; 3. Change the fan motor; 4. Change the fan motor; 5. Change the fan motor;
52	Abnormal speed control	1. Bad control board components; 2. The fan motor shaft clamping; 3. The fan motor insulation fails.	1. Change the Main PCB. 2. Change the fan motor; 3. Change the fan motor;
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad control board components.	1. Change the Main PCB. 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1. The fan motor overloads or over- current; 2. The control board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the Main PCB. 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1. The fan motor overloads or over- current; 2. The control board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the Main PCB. 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The control board circuit fails.	Change the Main PCB.
57	The fan motor speed control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The control board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the Main PCB.
58	The fan motor D,Q axis current control error	1. The fan motor overloads, the phase current is large; 2. The control board fault.	1. Check the fan motor system; 2. Change the Main PCB.
59	The fan motor D,Q axis current control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The control board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the Main PCB.
60	The fan motor reverse	1. Bad control board components; 2. Wiring problems	1. Change the Main PCB. 2. Check the wiring.
61	IPM-PWM initialization fault	1. EE logics error; 2. The control board fails.	1. Change the Main PCB. 2. Change the Main PCB.

Table 503

TROUBLESHOOTING

Outdoor Unit

Diagnostic Codes _Driver Faults (27k, 36k, 42k)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
1	Inverter DC voltage overload fault	1. Power supply input is too high or too low; 2. control board fault.	1. Check the power supply; 2. Change the main PCB.
2	Inverter DC low voltage fault		
3	Inverter AC current overload fault		
4	Out-of-step detection	1. Compressor phase lost; 2. Bad control board components; 3. The compressor insulation fault.	1. Check the compressor wire connection; 2. Change the main PCB. 3. Change the compressor.
5	Loss phase detection fault (speed pulsation)		
6	Loss phase detection fault (current imbalance)		
7	Inverter IPM fault (edge)	1. System overload or current overload; 2. control board fault; 3. Compressor oil shortage, serious wear of crankshaft ; 4. The compressor insulation fault.	1. Check the system; 2. Change the main PCB. 3. Change the compressor; 4. Change the compressor.
8	Inverter IPM fault (level)		
9	PFC fault (edge)		
10	PFC fault (level)		
11	PFC power detection of failure	1. The power supply is not stable; 2. Instantaneous power failure; 3. control board failure.	1. Check the power supply; 2. No need to deal with; 3. Change the main PCB.
12	PFC overload current detection of failure.	1. System overloads, and the current is too high; 2. control board fails; 3. PFC fails.	1. Check the system; 2. Change the main PCB. 3. Change the PFC.
13	DC voltage detected abnormal .	1. Input voltage is too high or too low; 2. control board fails.	1. Check the power supply; 2. Change the main PCB.
14	PFC LOW voltage detected failure.		
15	AD offset abnormal detected failure.	control board fails.	Change the main PCB.
16	Inverter PWM logic set fault.		
17	Inverter PWM initialization failure		
18	PFC_PWM logic set fault.		
19	PFC_PWM initialization fault.		
20	Temperature abnormal.		
21	Shunt resistance unbalance adjustment fault		
22	Communication failure.	1. Communication wire connection is not proper; 2. control board fails;	1. Check the wiring; 2. Change the main PCB.
23	Motor parameters setting of failure	Initialization is abnormal.	Reset the power supply.
25	EE data abnormal	control board EEPROM is abnormal.	1. Change EEPROM; 2. Change the main PCB.
26	DC voltage mutation error	1. Power input changes suddenly; 2. control board fails.	1. Check the power supply, to provide stable power supply; 2. Change the main PCB.
27	Compressor drive D axis current control error	1. System overload, phase current is too high; 2. control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the main PCB.
28	Compressor drive Q axis current control error	1. System overload, phase current is too high; 2. control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the main PCB.
29	Saturation error of Compressor drive D axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the main PCB.
30	Saturation error of Compressor drive Q axis current control integral	1. System overloads suddenly; 2. Compressor parameter is not suitable; 3. control board fails.	1. Check if the system is normal; 2. Check if the stop valve is open; 3. Change the main PCB.
31	Drive AD conversion fault	control board fault	Replace the main PCB.
35	AD Offset abnormal detection fault	control board fault	Replace the main PCB.

Table 504

TROUBLESHOOTING

Outdoor Unit
Diagnostic Codes _Driver Faults (27k, 36k, 42k)

Fault code	Fault description	Possible reasons for abnormality	How to deal with
50	Inverter software over-current	1. The fan motor system overloads; 2. The control board fails; 3. The fan motor is not insulated well;	1. Change the fan motor; 2. Change themain PCB. 3. Change the fan motor.
51	Out-of-step detection	1. Wiring connections are loosw. 2. Bad control board components; 3. The fan motor starting overloads; 4. The fan motor is demagnetized; 5. The fan motor is not insulated well.	1. Check the fan motor wire connection; 2. Change the main PCB. 3. Change the main PCB. 4. Change the fan motor. 5. Change the fan motor.
52	Abnormal speed control	1. Bad control board components; 2. The fan motor shaft clamping; 3. The fan motor insulation fails.	1. Change the main PCB. 2. Change the fan motor. 3. Change the fan motor.
53	Out of phase detection fault	1. Phase loss of the fan motor; 2. Bad control board components.	1. Change the control board; 2. Change the fan motor; 3. Change the fan motor
54	IPM-FO hardware over-current (edge)	1. The fan motor overloads or over- current; 2. The control board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the control board; 3. Change the fan motor
55	IPM-FO hardware over-current (level)	1. The fan motor overloads or over- current; 2. The control board fails; 3. The fan motor insulation fails.	1. Change the fan motor; 2. Change the main PCB. 3. Change the fan motor
56	The fan motor -AD Offset abnormal detection fault	The control board circuit fails.	Change the control board.
57	The fan motor speed control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The control board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the control board.
58	The fan motor D,Q axis current control error	1. The fan motor overloads, the phase current is large; 2. The control board fault.	1. Check the fan motor system; 2. Change the main PCB.
59	The fan motor D,Q axis current control integral saturation	1. The fan motor overload mutation; 2. Parameters are inappropriate; 3. The control board fault.	1. Change the fan motor system; 2. Change the fan motor; 3. Change the main PCB.
60	The fan motor reverse	1. Bad control board components; 2. Wiring problems	1. Change the control board; 2. Check the wiring.
61	IPM-PWM initialization fault	1. EE logics error; 2. The control board fails.	1. Change the main PCB. 2. Change the main PCB.
70	Effective value protection of compressor phase current	1. Low power supply voltage; 2. control board fault.	1. Check the power supply voltage; 2. Replace the main PCB.
71	Start failure	1. System overload; 2. control board fault; 3. Compressor fault	1. Check if the system operates properly and if the shut-off valve is turned on; 2. Replace the main PCB. 3. Replace the compressor.
72	IPM over- temperature fault	1. High outdoor ambient temperature; 2. Improper installation of outdoor units; 3. Low power supply voltage.	1. Protect properly; 2. Reinstall the outdoor unit according to the installation specifications. 3. Protect properly.
73	MCU error	control board fault	Replace the control board
74	Compressor speed estimation error	1. System overload; 2. control board fault; 3. Compressor fault	1. Check if the system operates properly and if the shut-off valve is turned on; 2. Replace the main PCB. 3. Replace the compressor.
75	Over-power	1. System overload; 2. control board fault; 3. Compressor fault	1. Check if the system operates properly and if the shut-off valve is turned on; 2. Replace the main PCB. 3. Replace the compressor.
76	High compressor power	1. control board fault	1. Replace the control board

Table 504

TROUBLESHOOTING

Outdoor Unit
Diagnostic Codes _Driver Faults

Fault code	Fault description	Possible reasons for abnormality	How to deal with
80	Effective value protection of fan phase current	1. Abnormal fan system 2. Abnormal control board 3. Fan motor fault	1. Check if the outdoor fan is abnormal 2. Replace the main PCB. 3. Replace the fan motor
81	Fan startup failure	1. Abnormal fan system 2. Abnormal control board 3. Fan motor fault	1. Check if the outdoor fan is abnormal 2. Replace the control board 3. Replace the fan motor
82	Fan IPM over- temperature	1. Machine system overload, and high phase current; 2. control board fault; 3. Poor contact of radiator	1. Check if the system is abnormal 2. Replace the control board 3. Replace the radiator
83	Air speed estimation error	control board fault	Replace the control board;
84	High air speed	control board fault	Replace the control board;
Codes 101-132 appear in the operation process and indicate some kind of normal operation state, instead of faults, so they do not need to be dealt with. DSH: Discharge Super Heat			
101	When overcurrent occurs, stop the frequency from increasing.	Current control	
102	When overcurrent occurs, reduce the frequency.	Current control	
103	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.	
104	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.	
105	When the discharge temperature is too high, stop the frequency from increasing.	Frequency control to keep appropriate discharge temperature.	
106	When the discharge temperature is too high, reduce the frequency.	Frequency control to keep appropriate discharge temperature.	
107	In cooling mode, when the temperature of the outdoor unit coil is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.	
108	In cooling mode, when the temperature of the outdoor unit coil is too high, reduce the frequency.	Frequency control to keep appropriate temperature of the outdoor unit coil in cooling mode.	
113	To prevent the indoor unit from being frozen or high temperature, stop the frequency from increasing.	Frequency control to keep appropriate temperature of the indoor unit coil.	
114	To prevent the indoor unit from being frozen or high temperature, reduce the frequency.	Frequency control to keep appropriate temperature of the indoor unit coil.	
119	When DSH exceeds the target value, the valve opening gets wider to adjust the flow.	Control on expansion valve based on DSH.	
120	When DSH exceeds the target value, the valve opening gets narrower to adjust the flow.	Control on expansion valve based on DSH.	
121	When DSH exceeds the target value, stop the valve opening from getting narrower.	Control on expansion valve based on DSH.	
122	When DSH exceeds the target value, stop the valve opening from getting wider.	Control on expansion valve based on DSH.	
131	When the temperature of IPM module is too high, stop the frequency from increasing.	Frequency control to keep appropriate temperature of IPM module.	
132	When the temperature of IPM module is too high, reduce the frequency.	Frequency control to keep appropriate temperature of IPM module.	
134	When the discharge temperature is too high, stop the valve opening getting narrower.	Control on discharge temperature expansion valve.	
140	The compressor overloads.	Control on the compressor output.	
141	The compressor current overloads.	Control on the output torque of the compressor.	

Table 504

TROUBLESHOOTING

Indoor Unit - Wall Mount

Diagnostic Codes

The indoor display board will show the error code automatically when the unit has the following trouble:
Refer to the remote controller which the sleep key can set into 4 different combination ways , when using to check the error codes only takes effect for pressing the sleep key 10 times in ten seconds instead of 4 times.
NOTE: If the troubleshooting inquiry display by 7-segment tube, then the error code will be displayed, otherwise only the LED of the display board can show.
The failure is detected when the room temperature sensor broken or shorted over 5 sec.
The failure is detected when the temperature sensor of heater exchange broken or shorted over 5 sec.
The failure is detected when each setting data is not match after the EPROM self-check two times.
The failure occurs when the grounding signal is not detected after the appliance power ON

Error Code	Content	The root cause is may be one of the following
EA	The error code will display when the communication between display board and control board is interrupted.	a. The connection between the display board and control board is loose. b. The indoor control board failed. c. The wiring of the display board failed
6	AC voltage higher or lower protection	a. the supply voltage is higher or lower than normal. b. The inner supply voltage of the unit is higher or lower than normal.
7	Communication failure between the indoor unit and outdoor unit	a. The communication cable is disconnected or loose. b. The connection between the filter board and the terminal is incorrect or loose c. The communication cable failed. d. The connection between the filter board and the outdoor control board is incorrect or loose. e. The indoor control board failed. f. The PFC board failed. g. The power board failed. h. The outdoor control board failed.
23	There is a leak in the product	a. There is a leak in the indoor b. There is a leak in the outdoor c. There is a leak in the connecting pipe
33	The failure for temperature sensor of indoor room	a. The indoor room temperature sensor loose. b. The indoor room temperature sensor failed. c. The indoor control board failed.
34	The failure for temperature sensor of indoor coil temperature	a. The indoor coil temperature sensor loose. b. The indoor coil temperature sensor failed. c. The indoor control board failed.
36	Communication failure between the indoor unit and outdoor unit	a. the communication cable connector loose. b. the connection between the filter board and the terminal is incorrect or loose. c. the communication cable failed. d. the connection between the filter board and the outdoor control board is incorrect or loose. e. the indoor control board failed. f. the PFC board failed. g. the power board failed. h. the outdoor control board failed.
38	Indoor EEPROM failure	a. The EEPROM chip loose; b. The indoor control board failed.
39	Indoor fan motor runs abnormally.	a. Something blocking the indoor fan motor. b. The fan motor cord is disconnected or loose. c. The fan motor failed. d. The indoor control board failed.
41	The failure for Indoor grounding protection.	The indoor control board failed.
56	There is a leak in the product. . When the refrigerant leakage fails, the fault code 56 is displayed actively. The indoor fan is forced to run at the highest speed, and the outdoor unit stops. Other controls do not respond.	a. There is a leak in the indoor b. There is a leak in the connecting pipe
57	the error code will display when the communication between refrigerant Sensor and indoor control board have in trouble	a. The connection between the refrigerant Sensor and control board is loose;. b. The indoor control board is failure. c. The wiring of the refrigerant Sensor is failure.
77	Wi-Fi Connection Enabled	Cycle Power on/off

Table 505

TROUBLESHOOTING

Indoor Wall Mount

Unit Does Not Run

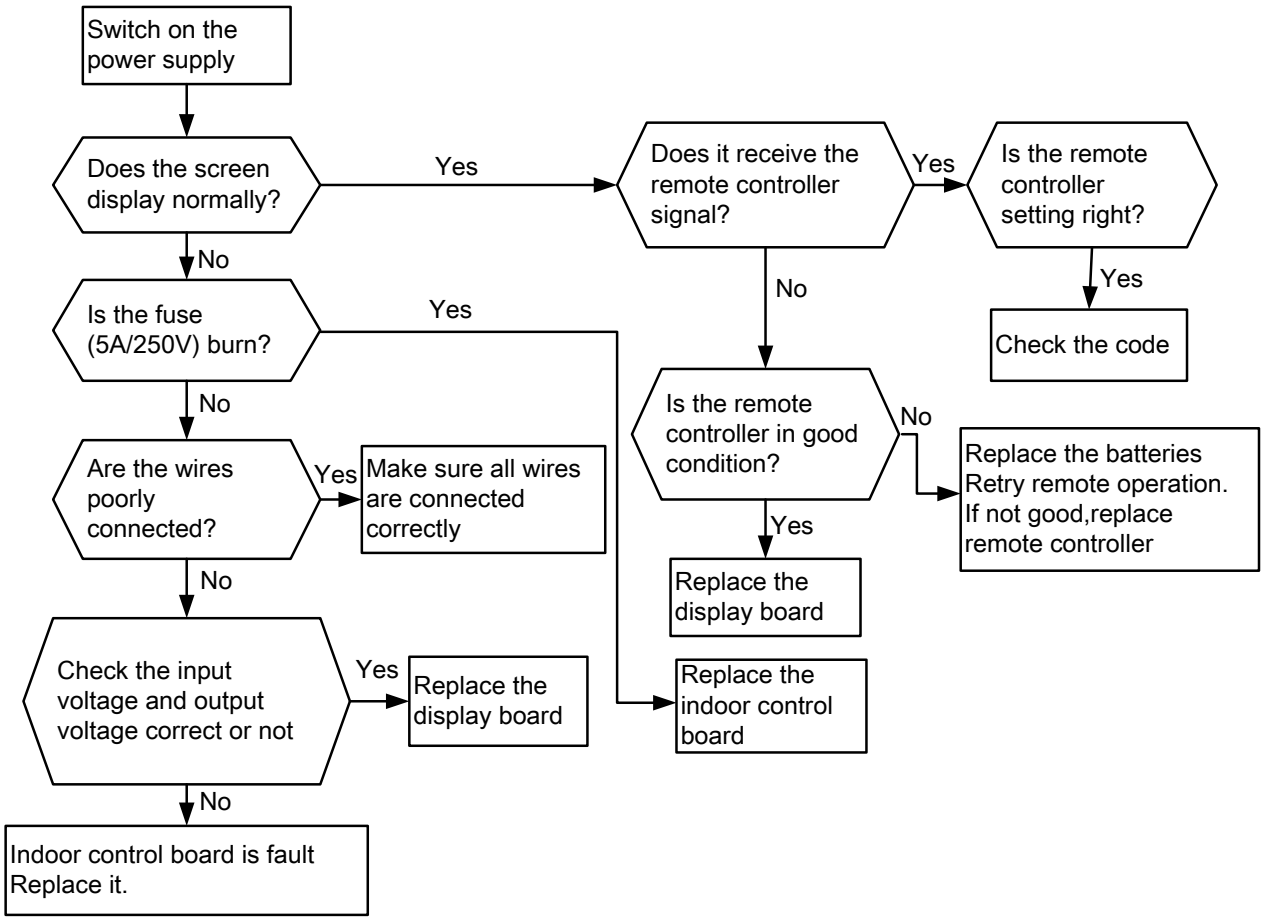


Figure 506

TROUBLESHOOTING

Indoor Wall Mount

Error Code 39-DC Fan

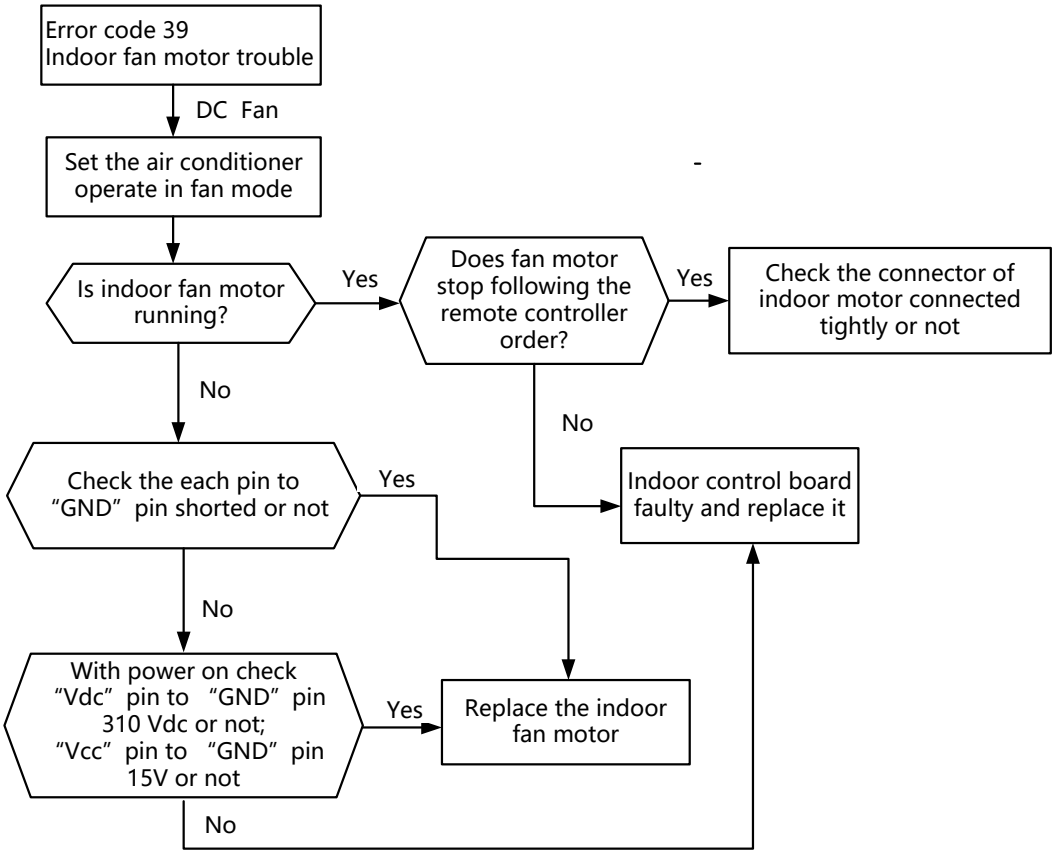
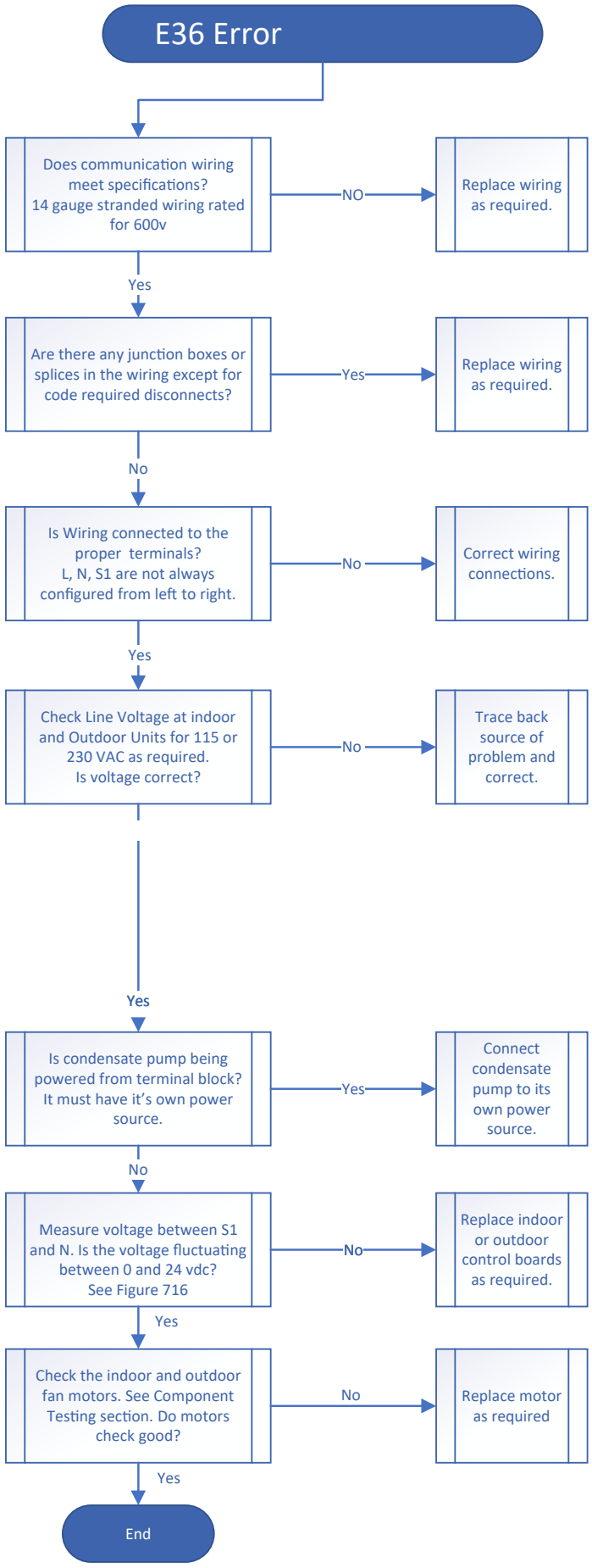


Figure 507

TROUBLESHOOTING

Indoor Wallmount

Error Code 36



See Figure 509

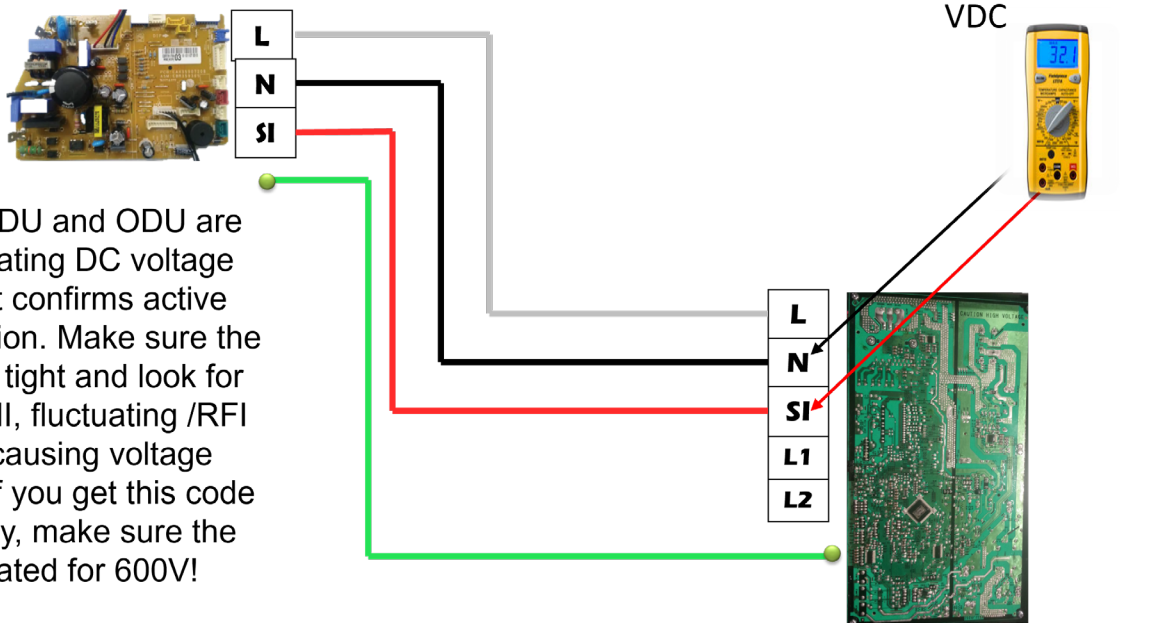
Figure 508

TROUBLESHOOTING

Indoor Wallmount

Error Code 36

Check from SI to Neutral on the outdoor unit or indoor unit



When the IDU and ODU are communicating DC voltage between it confirms active communication. Make sure the screws are tight and look for signs of EMI, fluctuating /RFI that are causing voltage variations. If you get this code sporadically, make sure the wire is rated for 600V!

Figure 509

TROUBLESHOOTING

Indoor Wallmount

Blank Display/ Indoor Micro Switch

If the Display is blank, check to see if the door is properly closed.

If the door is properly closed, confirm that you have proper line voltage to the indoor unit.

If the indoor unit door is not properly closed, or if the door micro switch has malfunctioned the display may be blank. See Figure 717
When the micro-switch is not engaged, and the power button is depressed, there will be no display and the system will not operate or respond in any way. See Figure 718.

When the Timer On/Clock button is pressed you will see a temperature on the display, but still no system operation. After a few seconds, the display will drop the temperature leaving just the Wi-Fi and Timer icons. Still no indoor unit operation. See Figure 719.

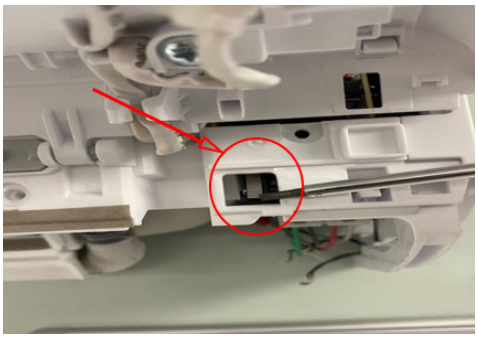


Fig. 510 (Door Micro Switch)

Fig. 511 (Blank Display)

TROUBLESHOOTING

Indoor Wallmount

Blank Display/Indoor Unit Door Micro Switch

When the Timer On/Clock button is pressed you will see a temperature on the display, but still no system operation. After a few seconds, the display will drop the temperature leaving just the Wi-Fi and Timer icons. Still no indoor unit operation. See Figure 719.

Fig. 512 (Momentary Temp. Display)

TROUBLESHOOTING

Indoor Unit Cassette and Ducted

Diagnostic Codes

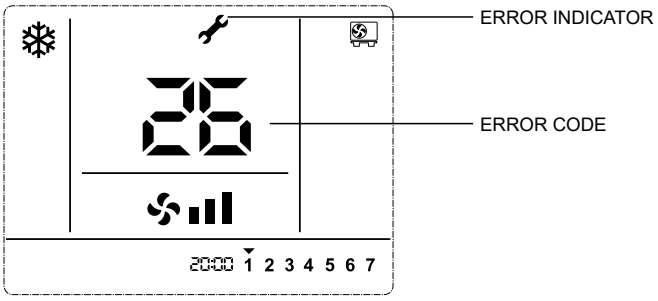
Troubleshooting according to fault codes

When the air conditioner failure occurs, the fault code will display on control board, wired controller or display panel.

How to check fault codes

Indoor unit

(1)Error codes indicated by wire remote controller (see figure below)



When the air conditioner malfunctions, will be displayed on the LCD, and error codes will appear and blink.

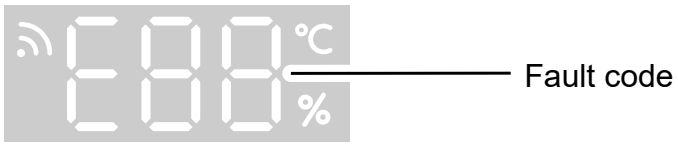
Fault code displays on wired controller

TROUBLESHOOTING

Indoor Unit Cassette and Ducted Diagnostic Codes

(2) Fault codes indicated by display panel(36K/48K)

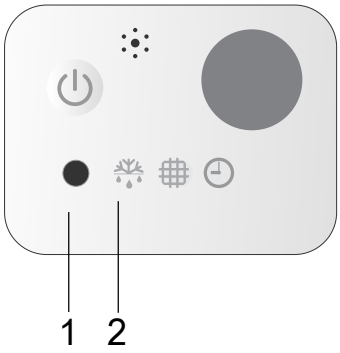
Display panel



(3) Fault codes indicated by LED lamps on display panel (9K/12K)

Lamp RUN (LED2, Red) and Lamp DEFROST（LED5, Green）flash. Lamp RUN displays fault code represented by 2- digit number, and lamp DEFROST displays fault code represented by single digit number (as shown fig. below). For example, fault code 36: LED RUN & defrost flash 3 times at the same time, and LED DEFROST continues flashing 3 times, it reports No. 36 fault.

Display panel



1 Run indicator (Red)
Indicates the fault code with 2- digit number.
2 Defrost indicator (Green)
Indicates the fault code with single digit number.

LED FALSH CONTROL：flash 300mS (T1)，off 300mS (T2)，after 2000mS (T3) fault code repeat displays. (as shown below)

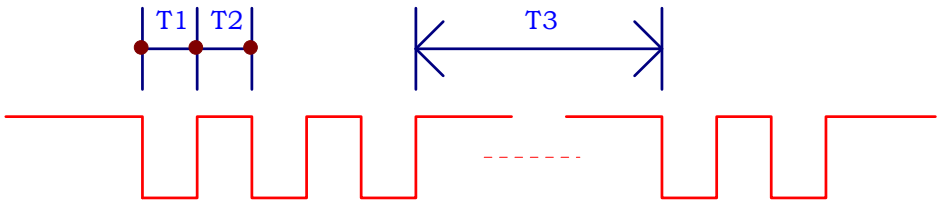


FIG.2 LED flash control

TROUBLESHOOTING

Indoor Unit Cassette and Ducted Diagnostic Codes

Fault code	Fault description	Possible reasons for abnormality	How to deal with
37	Humidity sensor failure	1. The cable of the humidity sensor connect loose. 2. The humidity sensor is failure. 3. The indoor control board is failure.	1. Reconnect the cable of the humidity sensor. 2. Replace the humidity sensor. 3. Replace the indoor control board.
51	Drainage protection	1. Defective drain pump. 2. Improper drain piping work. 3. Drain piping clogging. 4. Defective float switch. 5. Defective indoor unit PCB. 6. Defective short circuit connector on PCB.	1. Replace the drain pump. 2. Replace the drain piping. 3. Dredge the drain piping. 4. Replace the float switch. 5. Replace the indoor unit PCB. 6. Replace the short circuit connector.
55	Mode conflict fault	The user sets the conflicting mode for more than two indoor units.	Reset the operation mode for the indoor unit, for with one outdoor unit, the user should avoid setting the conflicting operation mode with the indoor units.
56	Refrigerant leakage	1. The refrigerant sensor detects that the concentration of refrigerant in the air exceeds the threshold.	Check and repair problematic pipes and add refrigerant.
57	Refrigerant sensor communication fault or refrigerant sensor fault	1. The refrigerant sensor fails to communicate with the indoor unit for a long time. 2. The refrigerant sensor reports the fault message such as life loss.	1. Replace the refrigerant sensor. 2. Reconnect the connection cable between the refrigerant sensor and the indoor unit board.
64	Communication between Indoor & Outdoor unit Fault	1. The indoor unit and the outdoor unit are not connected properly. 2. The communication cable is connected loosely. 3. The communication cable between the indoor unit and the outdoor unit fails or the cable between the indoor control board to terminal fails or the cable between the outdoor control board to the terminal fails. 4. The indoor control board fails. 5. The outdoor control board fails.	1. Reconnect the connection cable referring to the indoor and outdoor wiring diagram. 2. Reconnect the communication cable referring to the indoor and outdoor wiring diagram. 3. Replace the communication cable referring to the indoor and outdoor wiring diagram. 4. Replace the indoor control board; 5. Replace the outdoor control board.
72	Indoor fan motor fault	1. The cable of the indoor fan motor is connected loosely. 2. The cable of the indoor fan motor fails; 3. The indoor fan motor fails; 4. The indoor control board fails; 5. The outdoor fan has been blocked.	1. Reconnect the cable of the fan motor. 2. Replace the cable of the fan motor. 3. Replace the fan motor. 4. Replace the indoor control board. 5. Check the indoor fan and ensure the indoor fan can run normally.
73	Indoor EEPROM Data fault	1. Indoor EE components fail. 2. The control circuit of the EE components fails. 3. The EE components has been inserted in opposite direction.	1. Replace the EE components. 2. Replace the indoor control board. 3. Reassemble the EE components of the indoor control board.
81	Indoor ambient Temperature Sensor Fault	1. Disconnection or contact failure of connectors on the outdoor controller circuit board 2. Defective thermistor. 3. Defective outdoor controller circuit board.	1. Check connection of connector on the indoor controller circuit board. 2. Check resistance value of thermistor or replace the outdoor temperature sensor. 3. Replace outdoor controller circuit board.
FE	Communication between main control board & Wired controller Fault (display on wired controller)	1. The wired controller and the indoor control board are connected loosely. 2. The sequence of the wiring between the wired controller to the indoor control board is wrong. 3. The wiring between the wired controller to the indoor control board fails. 4. The wired controller fails. 5. The indoor control board is abnormal.	1. Reconnect the wiring between the wired controller to the indoor control board. 2. Replace the wiring between the wired controller to the indoor control board. 3. Replace the wiring between the wired controller to the indoor control board. 4. Replace the wired controller. 5. Replace the indoor control board.
ER	Communication between main control board & display board Fault (displays on display board)	1. The wiring between the display board to the indoor control board is connected loosely. 2. The sequence of the wiring between the display board to the indoor control board is wrong. 3. The wiring between the display board to the indoor control board fails. 4. The display board fails. 5. The indoor control board fails.	1. Reconnect the wiring between the display board to the indoor control board. 2. Replace the wiring between the display board to the indoor control board. 3. Replace the wiring between the display board to the indoor control board. 4. Replace the display board. 5. Replace the indoor control board.

Figure 513

COMPONENTS TESTING

Outdoor Unit

Test system flow

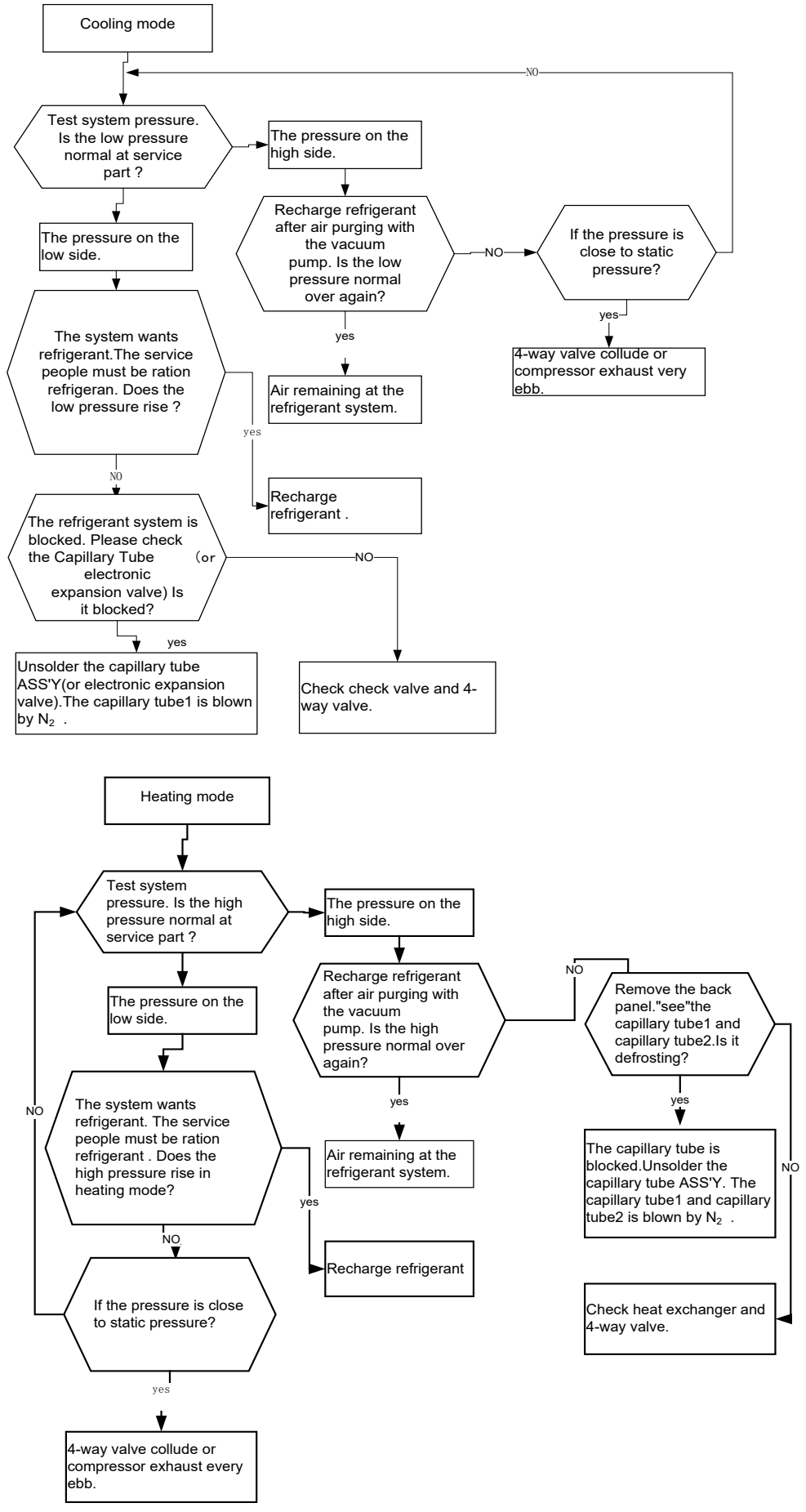


Fig. 514

COMPONENTS TESTING

Outdoor Unit

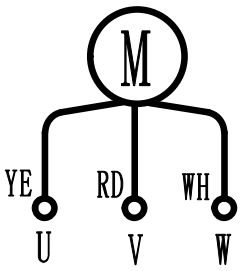
SN	Key components
1	DC Motor (Outdoor unit)
2	Compressor
3	EEV coil
4	4-Way valve coil
5	Pressure switch
6	Inductance
7	Fuse

1) DC Motor (Outdoor unit)

External drive type

Use the multimeter to test resistance between two terminals

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	68℉(20℃)	U-V: 46Ω U-W: 46Ω V-W: 46Ω	±7%
27K/36K/42K	77℉(25℃)	U-V: 9.1Ω U-W: 9.1Ω W-V: 9.1Ω	±7%



2) Compressor

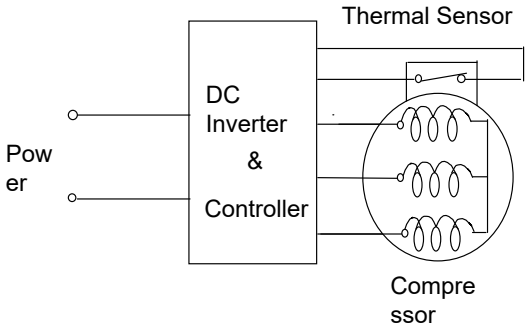
Test in resistance.

TOOL: Multi-meter.

Test the resistance of the winding. The compressor fails if the resistance of winding is 0 (short circuit)or∞(open circuit).

Familiar error:

1) Compressor motor lock.
2) Discharge pressure value approaches static pressure value.
3) Compressor motor winding abnormality.



Notes：

1) Don't put a compressor on its side or turn over.
2) Please assemble the compressor in your air conditioner rapidly after removing the plugs. Don't place the comp. in air for a long time.
3) Avoid compressor running in reverse caused by connecting electrical wire incorrectly.
4) Warning! In case AC voltage is impressed to compressor, the compressor performance will decrease because of its rotor magnetic force decreasing.

COMPONENTS TESTING

Outdoor Unit

Use the multimeter to test resistance between two terminals.

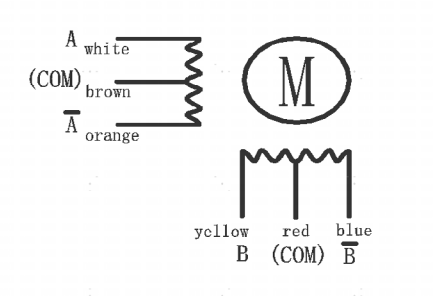
Test results:

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	68℉ (20℃)	U-V: 1.065Ω U-W: 1.065Ω V-W: 1.065Ω	±7%
27K	68℉ (20℃)	U-V: 0.630Ω U-W: 0.630Ω V-W: 0.630Ω	±7%
36K/42K	77℉ (25℃)	U-V: 0.426Ω U-W: 0.426Ω W-V: 0.426Ω	±5%

3) EEV coil

Use the multimeter to test resistance between two terminals at 68℉ (20℃).

Test results:



Model	Test condition	Normal test results	Deviation Range
18K	gray (com) -orange gray (com) -black gray (com) -yellow gray (com) -red	46Ω	± 3 Ω
27K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	±3.7Ω
36K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	± 3 Ω
42K	brown (com) -white brown (com) -orange red (com) -yellow red (com) -blue	46Ω	± 3 Ω

Discharge pipe temperature is too high. This means the compressor is over heating and will shut down and lock itself out. The cause for this issue is lack of refrigerant coming back to the compressor to cool the compressor. The main causes of this would be low charge, restriction or issue with the electronic expansion valve (EEV).

Remove the head off the EEV (pulls right off) & check for any rust build up. If there is any rust inside the EEV head, replace the EEV head. If there is rust on the EEV body you can clean it up with some emery cloth.

COMPONENTS TESTING

Outdoor Unit

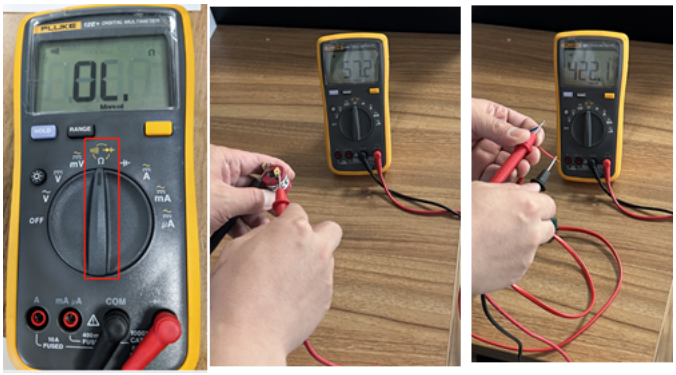
4) 4-Way valve coil

Use the multimeter to test resistance between two terminals. Test results:

Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K/27K/36K/42K	77℉(25℃)	2085Ω	±10%

5) Pressure switch

Normally closed switch detection: With no pressure in the pipeline, you can turn a multimeter to the ohm range and connect the red and black probes with a pin (lead) respectively to detect whether the switch is in the "ON" state.



6) Inductance

Familiar error:

1) Sound abnormality

2) Insulation resistance disqualification.

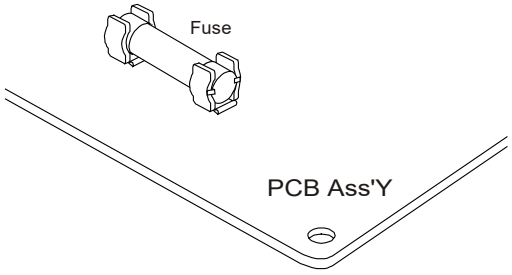
Use the multimeter to test resistance between two terminals.

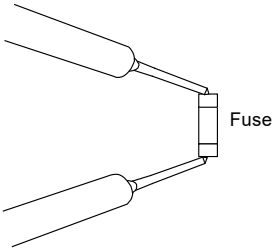
Model	Test condition (Ambient temperature)	Normal test results	Deviation Range
18K	77℉(25℃)	60mΩ Max	±7%
27K	68℉(20℃)	100mΩ Max	±7%
36K/42K	77℉(25℃)	30mΩ Max	±5%

7) Fuse

Checking continuity of fuse on PCB ASS'Y.

Remove the PCB ASS'Y from the electrical component box. Then pull out the fuse from the PCB ASS'Y.Check for continuity by a multimeter as shown below.





COMPONENTS TESTING

Cassette- Ducted

Key components

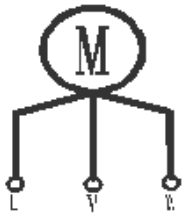
SN	Key components
1	DC Motor (Indoor unit)
6	Water Pump
7	Water Switch
8	Pressure Switch
9	Step motor

1. DC Motor (Indoor unit)

a. External drive

Use the multimeter to test resistance between two terminals at 77°F(25℃).

Model	Duct type		Cassette type	
	Normal test results	Deviation range	Normal test results	Deviation range
9K/12K	U-V: 75Ω U-W: 75Ω V-W: 75Ω	±10%	U-V: 50Ω U-W: 50Ω V-W: 50Ω	±10%
18K	U-V: 39Ω U-W: 39Ω V-W: 39Ω	±7%	U-V: 32Ω U-W: 32Ω V-W: 32Ω	±10%
24K	U-V: 16.5Ω U-W: 16.5Ω V-W: 16.5Ω	±7%	U-V: 32Ω U-W: 32Ω V-W: 32Ω	±10%



6. Water pump

Use the multimeter to test resistance between two terminals at 77°F(25℃).

Test results:

Duct type		Cassette type	
Model	Normal test results	Model	Normal test results
9K~24K	333Ω±10%	9K~12K	333Ω±10%

7. Water switch level

Test the resistance between two harness.

Testing condition：

1.at the on-position condition

2.at 77°F(25℃)

Test results:

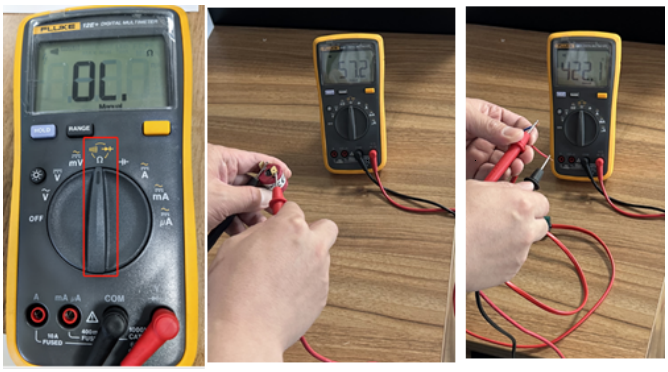
Model	Normal test results
9K/12K	≤0.3Ω
18K~24K	≤0.4Ω

COMPONENTS TESTING

Cassette- Ducted

8. Pressure switch

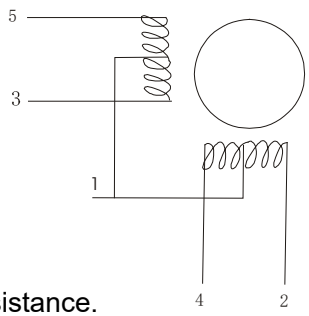
The pressure switch is divided into normally closed and normally open types (under atmospheric pressure), such as YK-4.0/3.4 is normally closed, and YK-2.85/3.6 and YK-0.05/0.15 are normally open.



Normally closed switch detection:
With no pressure in the pipeline, you can turn a multimeter to the ohm range and connect the red and black probes with a pin (lead) respectively to detect whether the switch is in the "ON" state.

Normally open switch detection:
With the pressure in the pipeline higher than the switching-on pressure, you can turn a multimeter to the ohm range and connect the red and black probes with a pin (lead) respectively to detect whether the switch is in the "ON" state

9. Step motor



Test results:

Model	Normal test results
9K~24K	300Ω±7%

Test in resistance.
Tool: Multimeter.

Test the resistance of winding. The stepper motor fails if the resistance of winding is 0 (short circuit) or ∞ (open circuit).

COMPONENTS TESTING

Indoor Unit Main PCB Terminal ID (No A2L Sensor Connection)

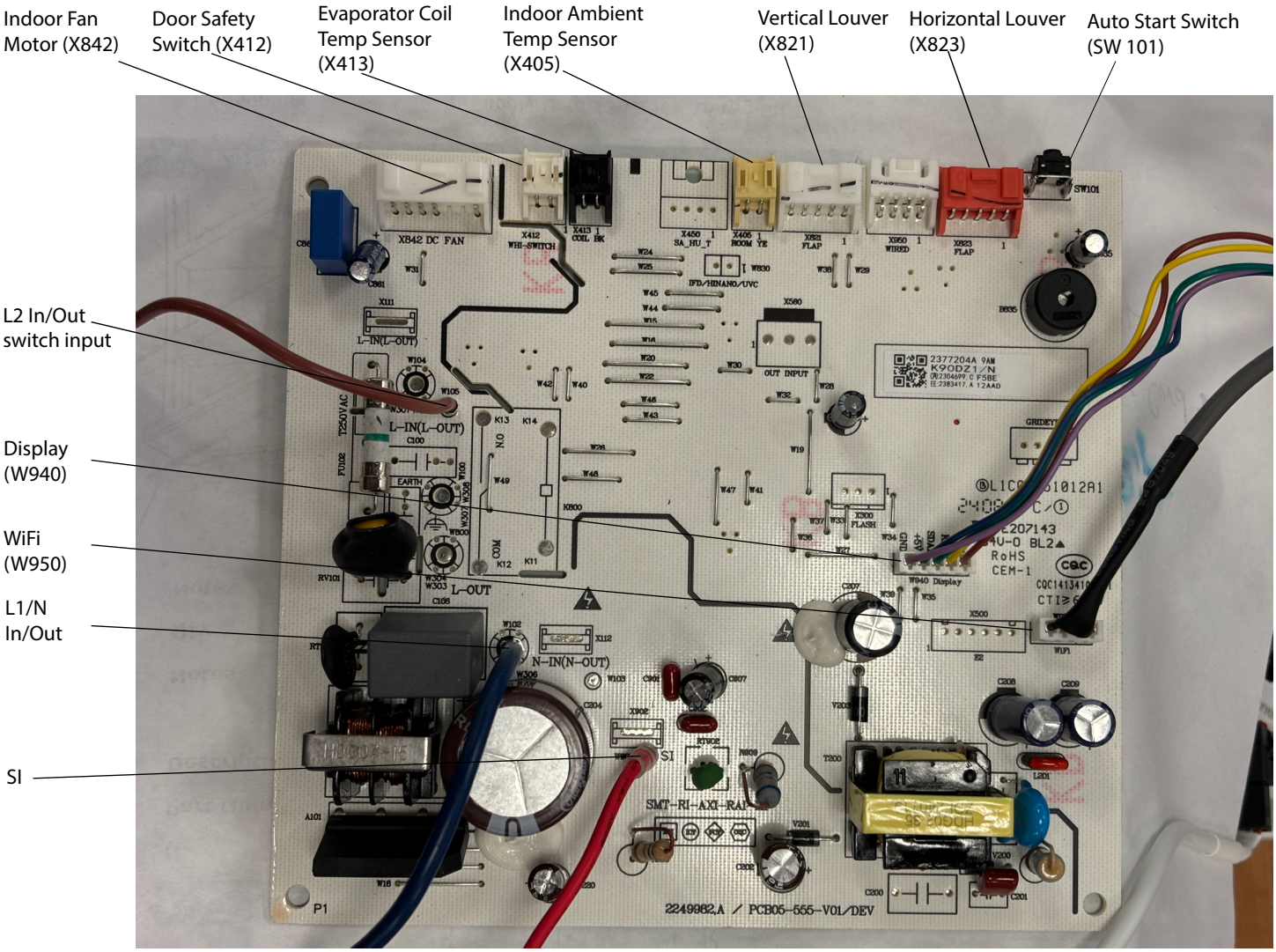


Figure 601

COMPONENTS TESTING

Indoor Fan Motor

Power Check:

1. Turn unit on.
2. Check indoor fan connector on main PCB.

There are 5 wires:
Voltage for Power (Red) to Ground (Black) = 310 VDC
Motor Return Voltage (White) to Ground (Black) = 15 VDC
PWM (Yellow) to Ground (Black) = 0-6.5 VDC

3. DC Voltage test

Manually rotate indoor fan motor slowly for several revolutions, and measure voltage "YELLOW" and "GND" on motor. The voltage repeats 0V DC and 5V DC.

Notes:

- Do not hold motor by lead wires.
- Do not connect or disconnect the molex connecter while power ON.
- Do not drop motor against hard material. Malfunction may not be observed at early stage after such shock. But it may be found later, this type of mishandling voids our warranty.

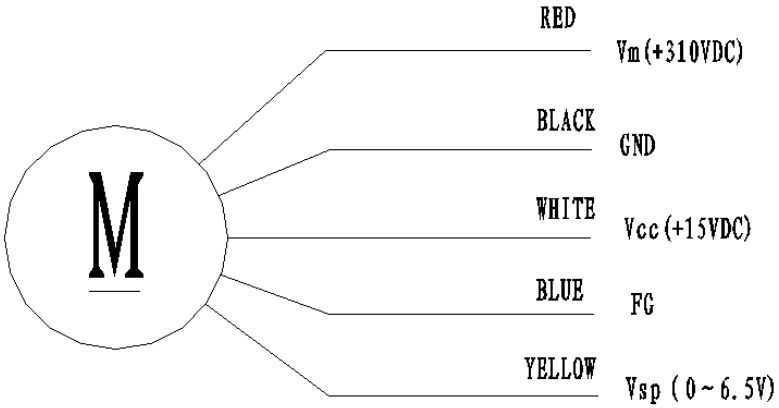
⚠ WARNING

ELECTRIC SHOCK HAZARD
Turn off electric power before service or installation. Extreme care must be used, if it becomes necessary to work on equipment with power applied.

Failure to do so could result in serious injury or death.

Figure 602

Indoor DC Fan Motor



1	RED	Vm(+310VDC)
2	--	--------
3	--	--------
4	BLACK	GND
5	WHITE	Vcc(+15VDC)
6	BLUE	FG
7	YELLOW	Vsp (0~6.5V)

COMPONENT TESTING

Reversing Valve

A reversing valve is a component of a heat pump that changes the direction of refrigerant flow, allowing the system to function in both heating and cooling modes.

It consists of a pressure-operated, main valve and a pilot valve actuated by a solenoid plunger. The solenoid is energized by 24 vac during the heating cycle only.

The single tube on one side of the main valve body is the high-pressure inlet to the valve from the compressor. The center tube on the opposite side is connected to the low pressure (suction) side of the system. The other two are connected to the indoor and outdoor coils. Small capillary tubes connect each end of the main valve cylinder to the "A" and "B" ports of the pilot valve. A third capillary is a common return line from these ports to the suction tube on the main valve body. Four-way reversing valves also have a capillary tube from the compressor discharge tube to the pilot valve.

The plunger assembly in the main valve can only be shifted by the pressure differential between the high and low sides of the system. The pilot section of the valve opens and closes ports for the small capillary tubes to the main valve to cause it to shift.

⚠ WARNING

ELECTRIC SHOCK HAZARD

Disconnect power to the unit before servicing. Failure to follow this warning could result in serious injury or death.

⚠ WARNING

HIGH PRESSURE HAZARD

Sealed Refrigeration System contains refrigerant and oil under high pressure.

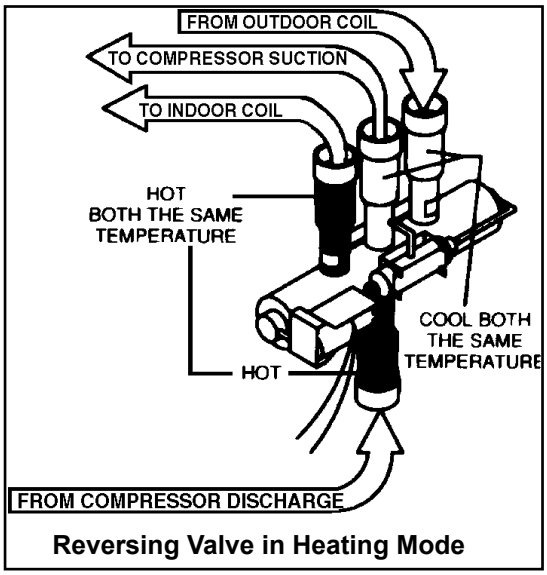
Proper safety procedures must be followed, and PPE must be utilized when working with refrigerants.

Failure to follow these procedures could result in serious injury or death.

Checking the Reversing Valve

NOTE: System operating pressures must be near normal before valve can shift. NOTE: You must have normal operating pressures before the reversing valve can shift.

Run the unit in the heating mode then disconnect connector CN 906 from the main PCB and the valve should shift to cooling mode. If valve does not shift - replace the valve(verify the unit is properly charged before replacing valve.) For a stuck valve diagnosis run in the cooling mode and check the temp difference between the suction line from the evaporator and the common suction line at the compressor, if there is more than a 3 °F difference then change the valve.



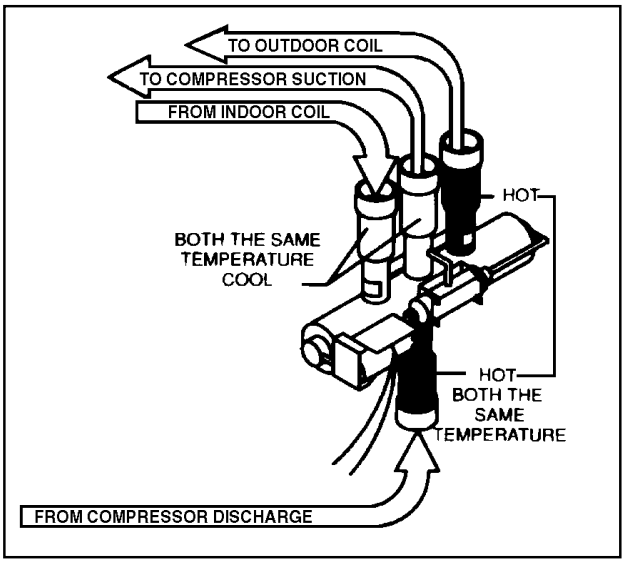
Reversing Valve in Heating Mode

Checking The Reversing Valve Solenoid

The solenoid coil is an electromagnetic type coil mounted on the reversing valve and is energized during the operation of the compressor in the heating cycle.

1. Turn off high voltage electrical power to unit.
2. Unplug line voltage lead from reversing valve coil.
3. Check for electrical resistance through the coil. If the coil is open replace the coil.
4. Check from each lead of coil to the copper liquid line as it leaves the unit or the ground lug. There should be no continuity between either of the coil leads and ground; if there is, coil is grounded and must be replaced.
5. If coil tests okay, reconnect the electrical leads.
6. Make sure coil has been assembled correctly.

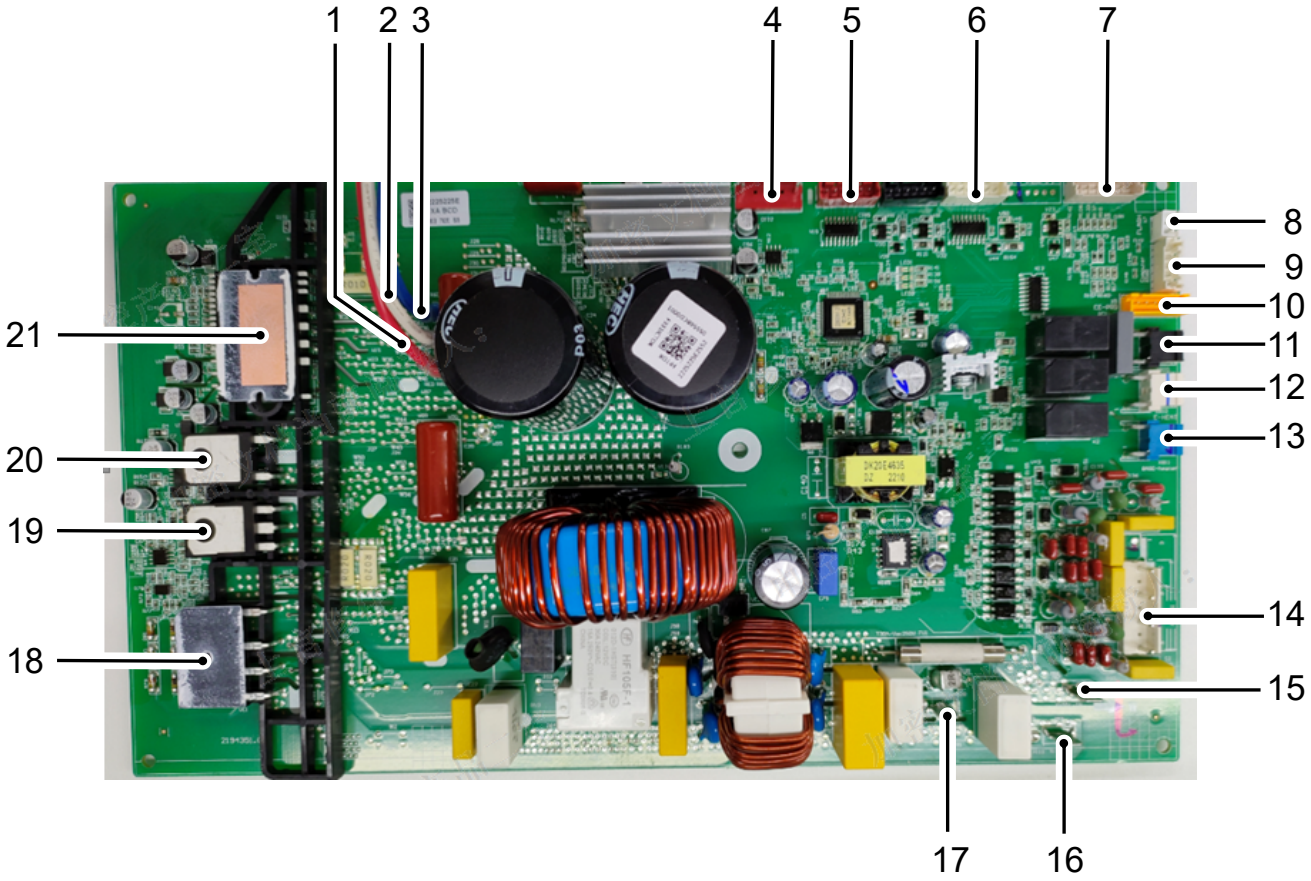
NOTE: Do not start unit with solenoid coil removed from valve, or do not remove coil after unit is in operation. This will cause the coil to burn out.



COMPONENTS TESTING

Outdoor Unit - Main PCB ID

FPHMR18A3D



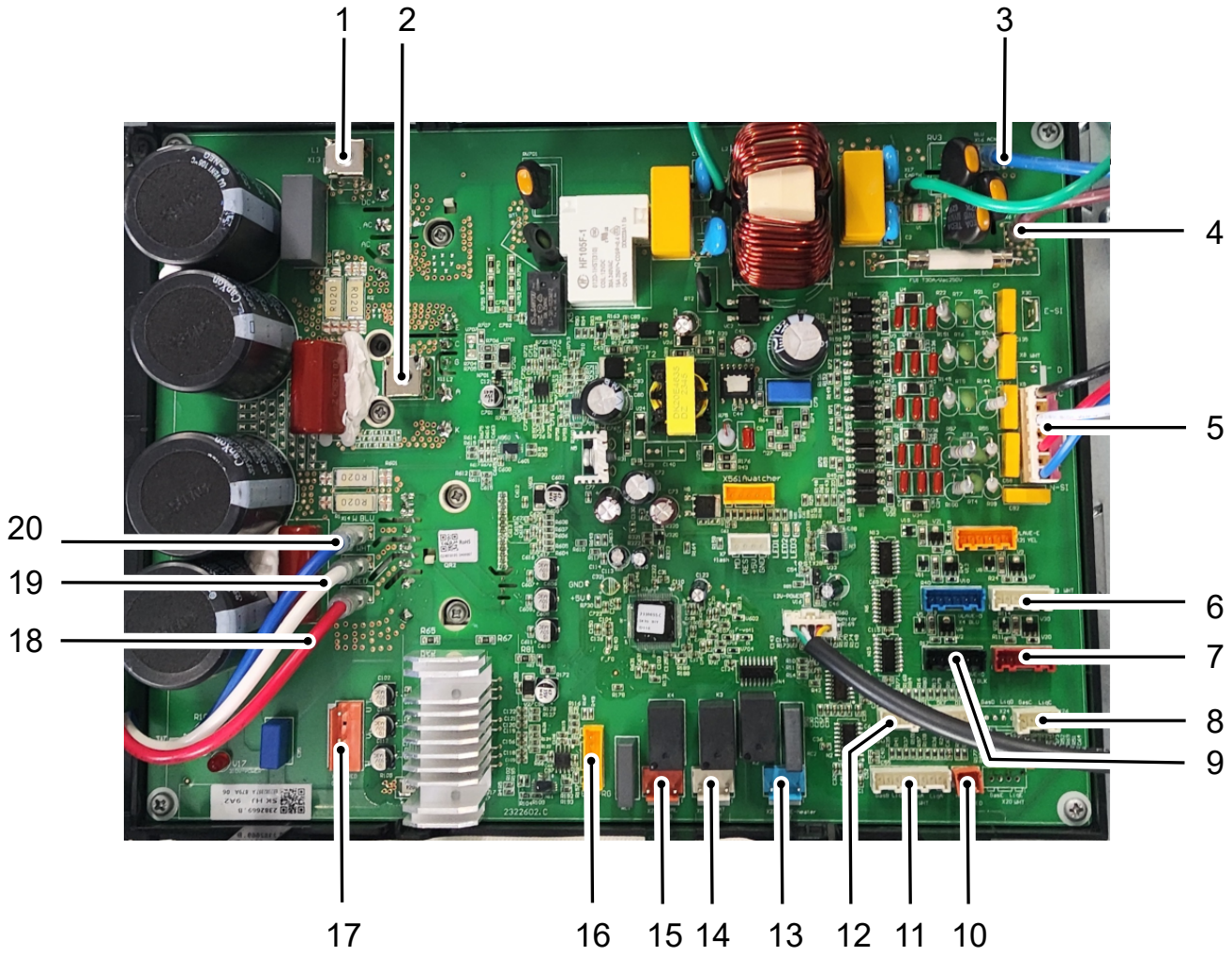
NO.	Description	NO.	Description
1	Compressor U	12	Electric Heating Belt
2	Compressor V	13	Base Heater
3	Compressor W	14	Communication Signal to Indoor
4	DC Motor	15	AC Power Lin
5	Electronic Expansion Valve A	16	AC Power Nin
6	Electronic Expansion Valve B	17	Earth
7	Ambient/ Coil/ Discharge Temp Sensor	18	Bridge Rectifier
8	EEPROM Flashing	19	IGBT
9	Communication Signal to Computer	20	Power Diode
10	EE PRG	21	IPM Module Circuit
11	4-way Valve		

Figure 603

COMPONENTS TESTING

Outdoor Unit - Main PCB ID

FPHMR27A3D



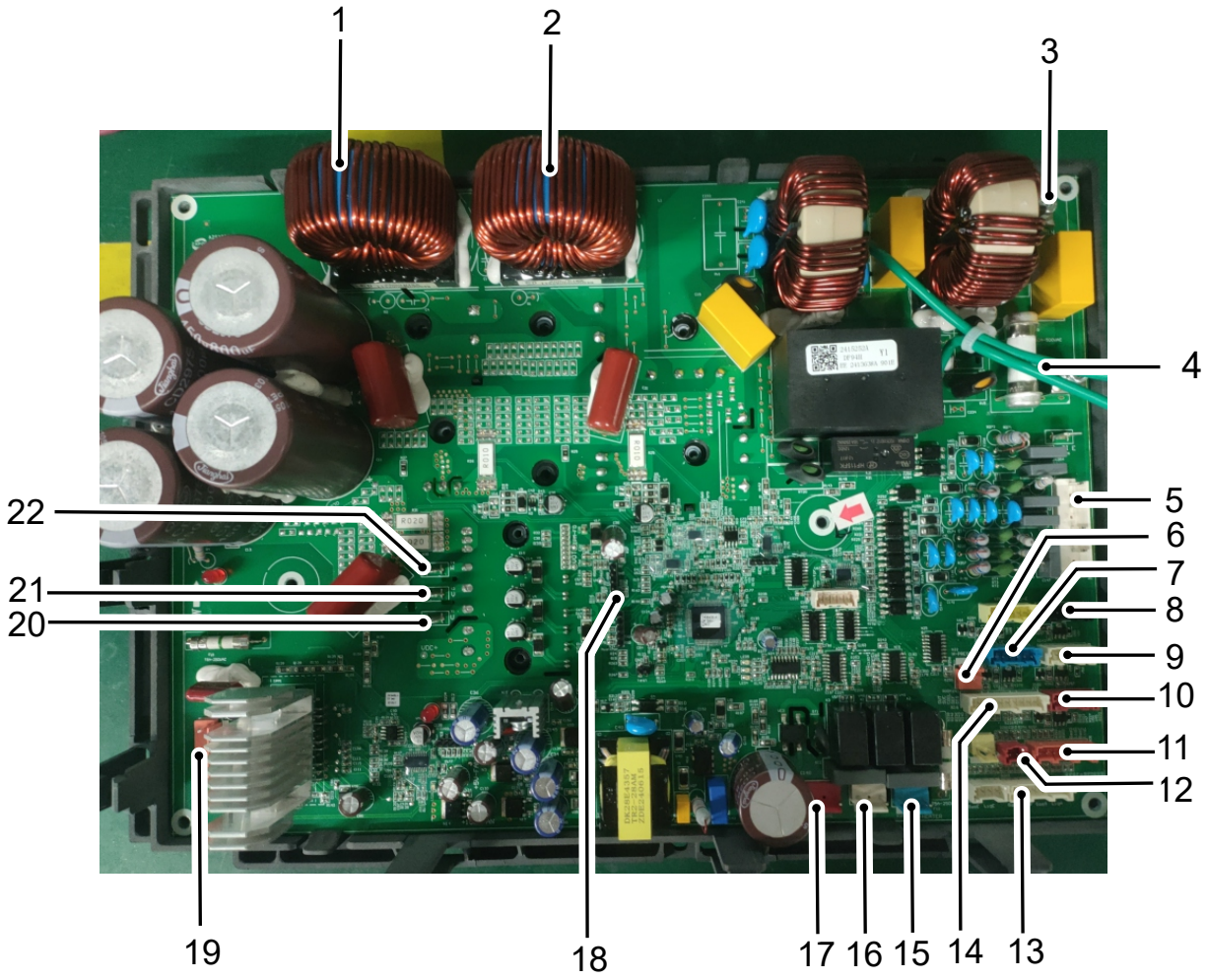
NO.	Description	NO.	Description
1	Reactor L1	11	Gas B/ Liquid B / Gas A/ Liquid A Sensor
2	Reactor L2	12	Discharge/defrost/coil/suction/outdoor sensor
3	AC Power Nin	13	Base Heater
4	AC Power Lin	14	Electric Heating Belt
5	SI	15	4-way Valve
6	Electronic Expansion Valve B	16	EEPROM Flashing
7	Electronic Expansion Valve A	17	DC Motor
8	Gas C/ Liquid C Sensor	18	Compressor U
9	Electronic Expansion Valve C	19	Compressor V
10	Overheat protector	20	Compressor W

Figure 604

COMPONENTS TESTING

Outdoor Unit - Main PCB ID

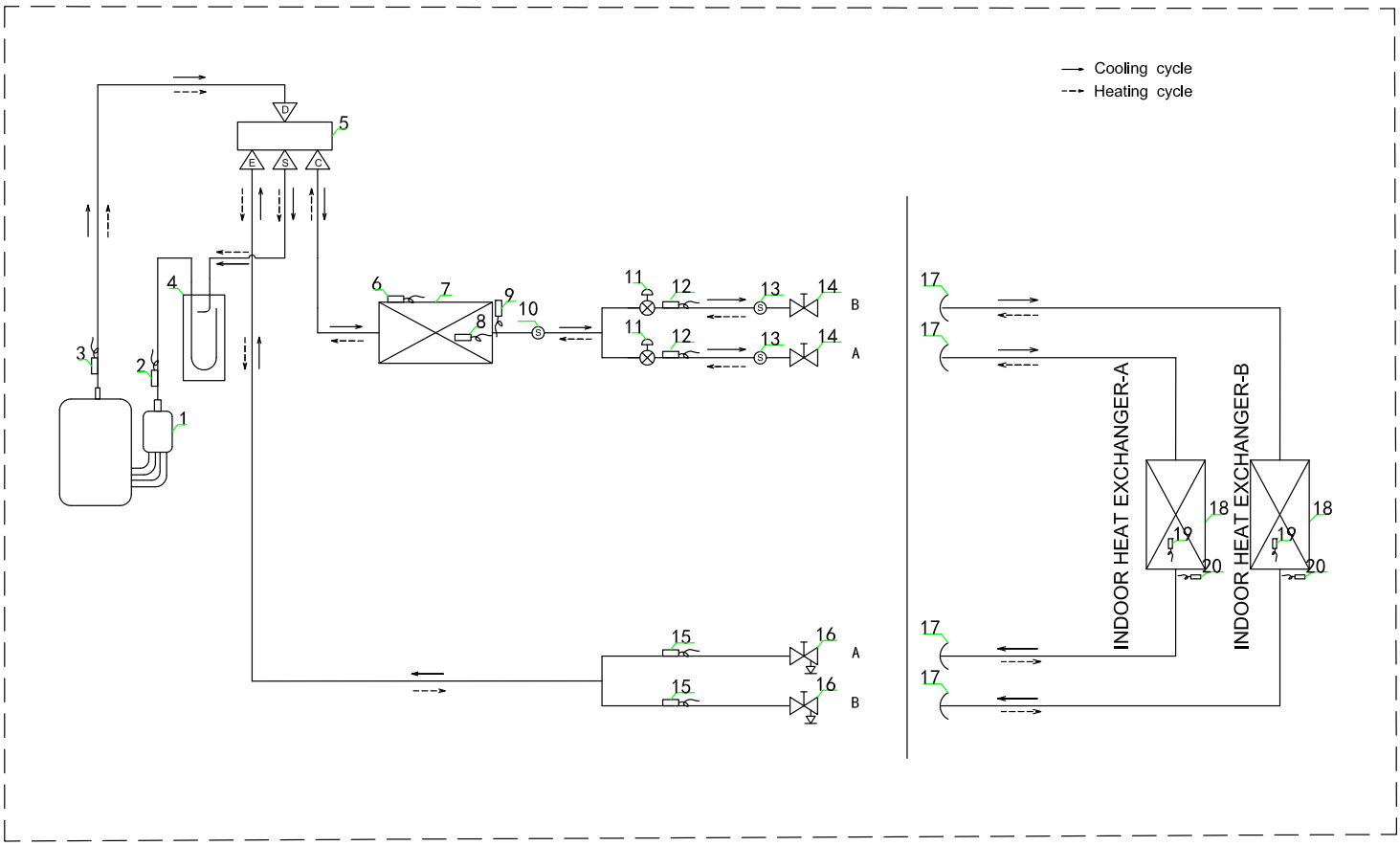
FPHMR36A3D, FPHMR42A3D



NO.	Description	NO.	Description
1	Reactor L2	12	Overheat protector
2	Reactor L1	13	GasB/LiqB/GasA/LiqA sensor
3	N-IN	14	Discharge/defrost/coil/suction/ outdoor sensor
4	L-IN	15	Base heater
5	SI-(A-D)	16	Electric heating belt
6	H-press	17	4-way valve
7	Electronic expansion value D	18	EEPROM
8	Electronic expansion value C	19	DC fan motor
9	Electronic expansion value B	20	Compressor U
10	Electronic expansion value A	21	Compressor V
11	GasD/LiqD/ GasC/LiqC sensor	22	Compressor W

Figure 605

Refrigerant Cycle 18k

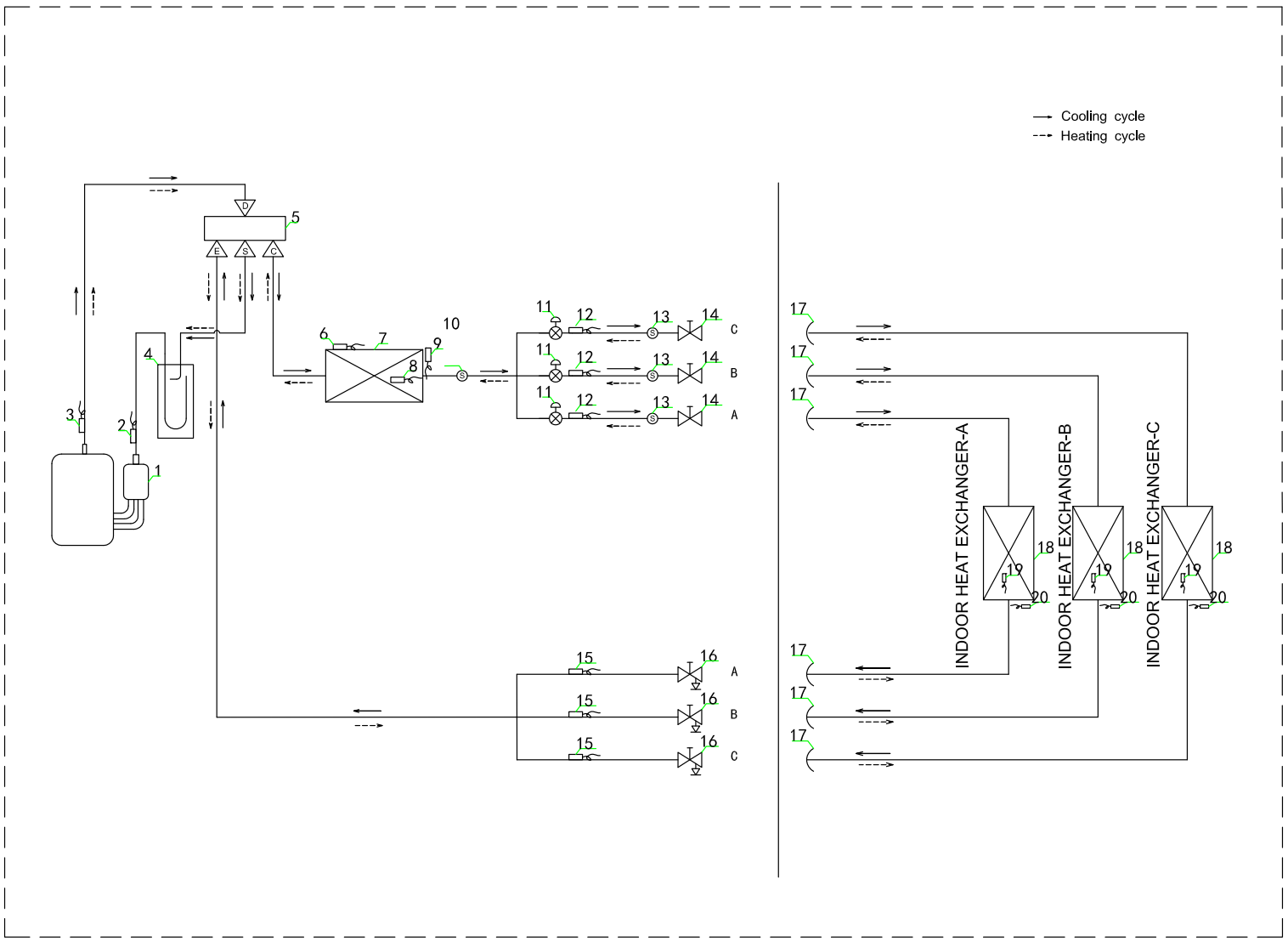


List of components			
1	Two-rotor compressor	11	Electronic expansion valve
2	Suction temperature sensor	12	Gas tube temperature sensor
3	Discharge temperature sensor	13	Strainer
4	Accumulator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

Figure 701

R-454B SEALED SYSTEM REPAIR

Refrigerant Cycle 27k

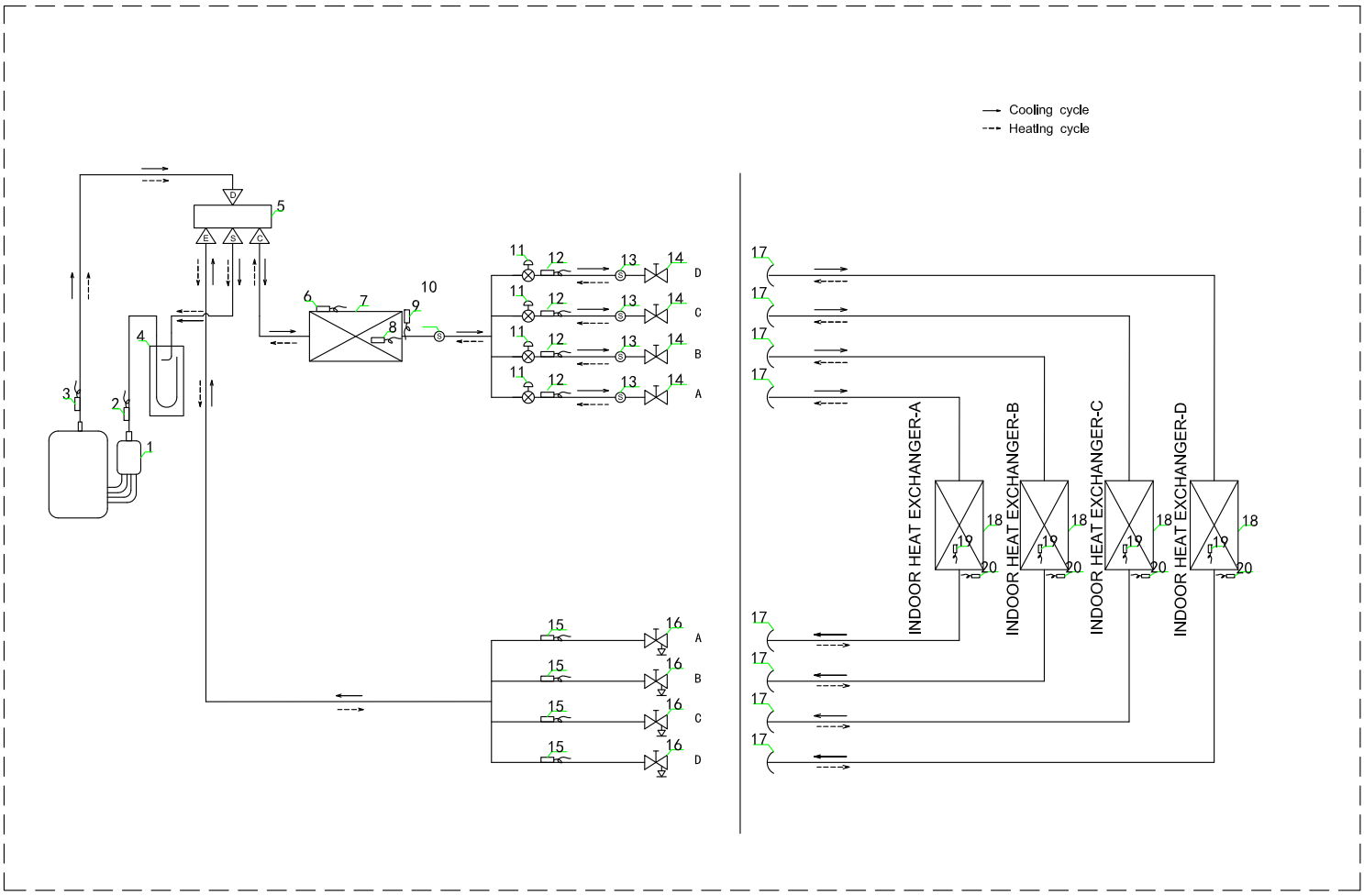


List of components			
1	Two-rotor compressor	11	Electronic expansion valve
2	Suction temperature sensor	12	Gas tube temperature sensor
3	Discharge temperature sensor	13	Strainer
4	Accumulator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

Figure 702

R-454B SEALED SYSTEM REPAIR

Refrigerant Cycle 36k

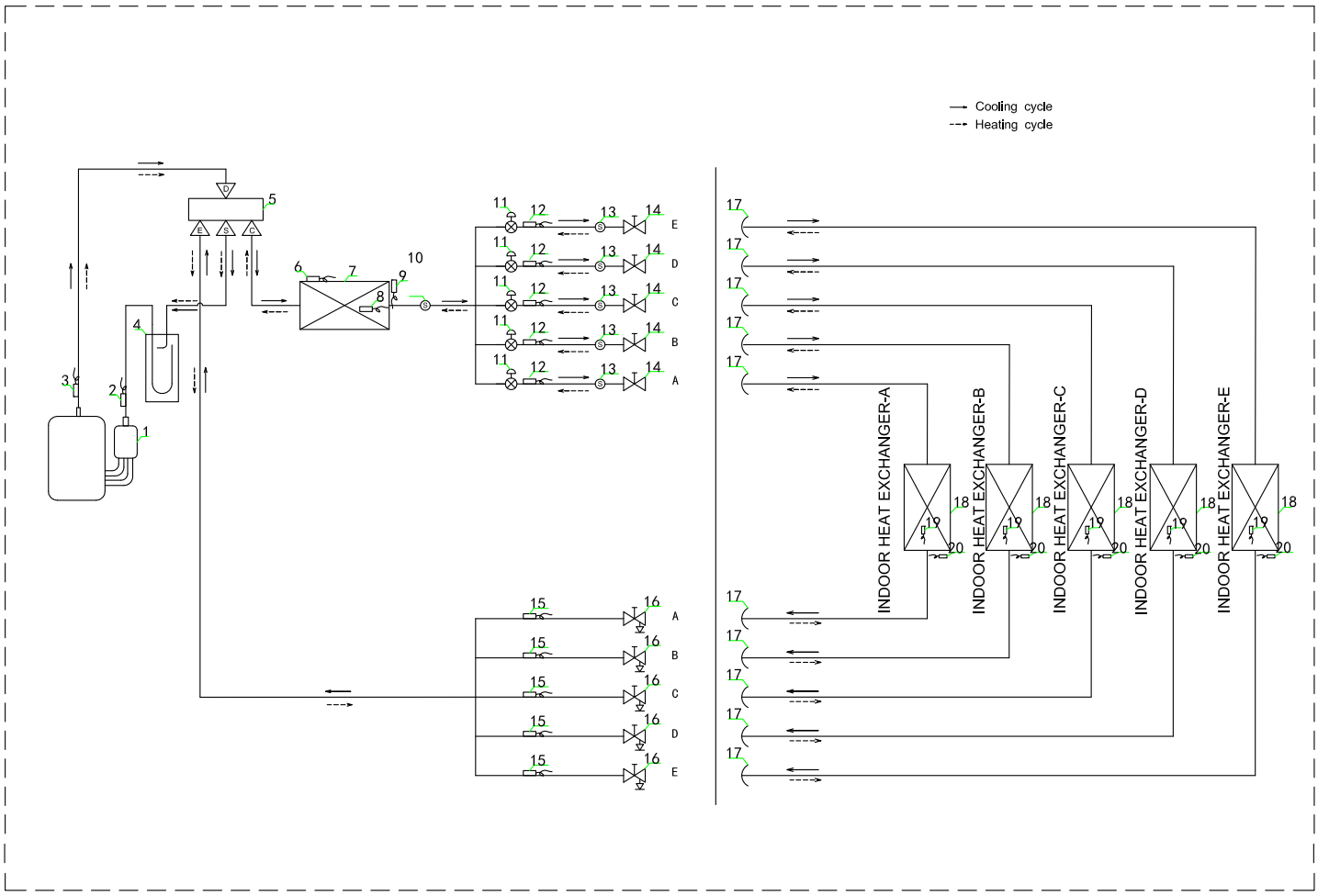


List of components			
1	Two-rotor compressor	11	Electronic expansion valve
2	Suction temperature sensor	12	Gas tube temperature sensor
3	Discharge temperature sensor	13	Strainer
4	Accumulator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

Figure 703

R-454B SEALED SYSTEM REPAIR

Refrigerant Cycle 42k



List of components			
1	Two-rotor compressor	11	Electronic expansion valve
2	Suction temperature sensor	12	Gas tube temperature sensor
3	Discharge temperature sensor	13	Strainer
4	Accumulator	14	Stop valve
5	4-Way valve	15	Liquid tube temperature sensor
6	Ambient temperature sensor	16	Stop valve(Needle)
7	Outdoor heat exchanger	17	Hexagon nut
8	Coil temperature sensor	18	Indoor heat exchanger
9	Frost temperature sensor	19	Coil temperature sensor
10	Strainer	20	Ambient temperature sensor

Figure 704

R-454B SEALED SYSTEM REPAIR

General Information

⚠WARNING: Electrical Shock Hazard

Disconnect all power to the unit before starting maintenance. All electrical connections and wiring MUST be installed by a qualified electrician and conform to all codes which have jurisdiction. Failure to do so can result in property damage, severe electrical shock or death.

⚠WARNING: This Product uses R-454B Refrigerant

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

When not installed, the appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.

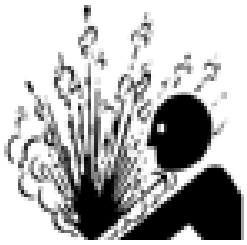
Do not pierce or burn.

Be aware that refrigerants may not contain an odor.

Refrigerant Safety Group A2L

⚠WARNING: Refrigeration System under High pressure

Do not puncture, heat, expose to flame or incinerate. Only certified refrigeration technicians should service this equipment. R-454B systems operate at higher pressures than R22 equipment. Appropriate safe service and handling practices must be used.



⚠ **Warning:** Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimized.

NOTICE: Individuals working on these units must be EPA 608 Certified along with A2L Refrigerant Training.

⚠ **Warning:** Refrigerant 32 cannot be used as a retrofit for R-410A refrigerant. The mixing of refrigerant across classes is prohibited. R-454B Is not a drop in replacement for R-410A.

General Work Area: All maintenance staff and others working in the installation area shall be instructed on the nature of work being carried out. Work in confined spaces as defined by the Occupational Safety And Health Administration shall be avoided.

⚠ **Warning:** Job site should be examined for safety hazards such as flammable vapors, ignition sources, ventilation and confined spaces. Create a safe perimeter with barriers and signs designating a flammable area.

⚠ **Warning:** Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapor being present while the work is being performed.

Check for presence of refrigerant:

- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
- The following leak detection methods are deemed acceptable for all refrigerant systems:

  1. Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. 2. Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

  If a leak is suspected, all flame sources shall be removed/extinguished.

  If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system per EPA guidelines.

Presence of fire extinguisher: If any hot work is to be conducted on the refrigerating equipment or any associated parts, a class ABC Rated fire extinguishing equipment shall be available to hand. Have a class ABC Rated fire extinguisher adjacent to the charging area.

R-454B SEALED SYSTEM REPAIR

General Information

⚠ Warning:

No ignition sources: No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks.

Ventilated Area: Ensure that the area is in the open or that it is adequately ventilated before accessing the refrigerant in the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant away from the work area or external to building envelope.

During Repairs To Sealed Components: All power must be removed from the equipment being worked on prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a constant leak detector shall be located at the most critical point to warn of a potentially hazardous situation.

Checks And Repairs To Electrical Devices:

- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected remove power supply to unit. **DO NOT OPERATE.**
- Initial safety checks shall include:
  - ·That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
  - ·That no live electrical components and wiring are exposed while charging, recovering or purging the system;
  - ·Verify unit is properly grounded.
- Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.
- Ensure that the apparatus is mounted securely.
- Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.
-

The following is a list of important considerations when working with R-454B equipment:

- R-454B pressure is similar to R-410A and approximately 60% higher than R-22 pressure.
- R-454B cylinders must not be allowed to exceed 125°F, they may leak or rupture.
- R-454B must never be pressurized with a mixture of compressed air, it may become MORE flammable.
- Servicing equipment and components must be specifically designed for use with R-454B and dedicated to prevent contamination.
- Manifold sets must be equipped with gauges capable of reading 750 psig (high side) and 200 psig (low side), with a 500-psig low-side retard.
- Gauge hoses must have a minimum 750-psig service pressure rating.
- Recovery cylinders must have a minimum service pressure rating of 400 psig, (DOT 4BA400 and DOT BW400 approved cylinders).
- POE (Polyol-Ester) lubricants must be used with R-454B equipment.
- To prevent moisture absorption and lubricant contamination, do not leave the refrigeration system open to the atmosphere for extended periods of time.
- If unit refrigerant is low, recover the refrigerant, evacuate, and recharge unit to nameplate amount.
- If there is any amount of refrigerant in the system charge from the low side.
- Always charge by liquid inverted.

Verify with tool manufacturers that all tools used during this repair are non-sparking and can be used with A2L Refrigerants.
No halide torches for leak testing.
Refrigerant monitors or detectors must be used to detect refrigerant in the work area.

- R-454B A2L Refrigerant Recovery System.
- Vacuum Pump rated for A2L refrigerant (capable of 300 microns or less vacuum.)
- Nitrogen bottle with purging and pressurizing capabilities up to 550 psi.
- Oxy/ Acetylene torch or similar equipment utilized for brazing.
- Non-Sparking (Not Halide)Electronic Leak Detector rated for detecting A2L refrigerant.
- Digital refrigerant scale
- Refrigeration Gauges rated for A2L Refrigerants with temp scales for R-454B refrigerant.
- Gauge Manifold (Right handed threads).
- A2L compatible Vacuum Gauge capable of 300 microns or less.
- Nitrogen regulator for purging and testing, rated to 800 psi. (Capable of low psi flow)
- Pipe tubing cutter.
- Refrigerant recovery cylinder. (Flammable A2L label)
- Ventilation fan.
- Class ABC fire extinguisher.
- Process Tube adapter kit

R-454B SEALED SYSTEM REPAIR

Required Equipment

- Recovery access tool.
- Purge hose fittings
- Pinch off and opening tools

ABC Fire Extinguisher

Recovery Machine

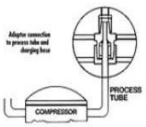
Vaccum Pump

Nitrogen

Guage Manifold

Nitrogen Regulator

Vaccum Guage



Recovery access tool

Process tube adapter kit

Purge hose fittings

Pinch off and opening tools

R-454B SEALED SYSTEM REPAIR

Refrigerant Removal, Recovery, and Evacuation

NOTE: When accessing the refrigerant in the system to make repairs or for any other purpose, conventional procedures shall be used. However, for FLAMMABLE REFRIGERANTS (R-454B is classified in the A2L group for mildly flammable refrigerants) it is important that best practice is followed since flammability is a consideration. Follow all EPA 608 regulations and procedures along with AHRI 15 Best Practices for A2L refrigerants.

⚠ **Warning:** Ensure sufficient ventilation at the repair place.

⚠ **Warning:** Ensure there are no open flame sources or hot surfaces that exceed 1200˚F in the work area.

⚠ **Warning:** Discharge capacitors in a way that won't cause any spark. The standard procedure to short circuit the capacitor terminals usually creates sparks.

NOTICE: Ensure that the following precautions are taken prior to opening the sealed system.

- Verify Recovery machine is rated for A2L refrigerants.
- Mark the Job site inspection area as flammable work zone using appropriate signs.
- Utilize a Refrigerant leak detector or refrigerant monitor to sense the area for the presence of refrigerants.
- Disconnect all power supply to unit.
- Properly ground all equipment and hoses along with tank to prevent a static build up .
- Ensure adequate ventilation is provided for the job site.
- Do not mix A2L refrigerant Gages and hoses with other refrigerants.
- Keep exposure of refrigerant to Air to as minimum as possible (creates a dangerous condition).
- Under no circumstances is the mixing of refrigerants in the recovery cylinders allowed and should be strictly avoided at all times. Do not introduce oxygen into any recovery cylinders.

1. Recover refrigerant to EPA sec. 608 standards. If a low charge is suspected weigh recovered refrigerant and compare to unit nameplate. Refer to Figure G.3

NOTE: DO NOT RECOVER TO A VACUUM PRIOR TO FLUSHING WITH NITROGEN. STOP RECOVERY AT 0-5 PSI.

3. Purge system with dry nitrogen.(3-5 minutes).

4. Perform an evacuation to 500 microns and break vacuum with Dry Nitrogen.
5. Re-purge the unit for 3-5 minutes or until the nitrogen flows out both process tubes.
6. Re-evacuate unit to 500 microns and break vacuum with Dry Nitrogen.
8. Open the refrigerant circuit by cutting out components.

Transportation

Be aware that local, state, and national codes exist that regulate the transportation of flammable gases. Be sure to become informed of the regulations and always stay compliant.

R-454B SEALED SYSTEM REPAIR

Component Replacement/Brazing

Warning: Ensure sufficient ventilation at the repair place.

Warning: Presence of fire extinguisher. If any hot work is to be conducted on the refrigerating equipment or any associated parts, have a ABC class fire extinguisher available to hand.

Warning: No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks.

Warning: Ensure there are no open flame sources or hot surfaces that exceed 1200˚F in the work area.

NOTE: When brazing is required, the following procedures shall be carried out in the right order:

1. Remove and recover refrigerant, and evacuate the system. Refer to the refrigerant removal, recovery, and evacuation section of this manual.

Warning: Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
2. Perform a check of the work area for the presence of flammable refrigerant prior to brazing or performing any hot work. Use a non-Sparking (Not Halide) A2L certified Electronic Leak Detector rated for detecting R-454B refrigerant.
3. Re-pipe all repairs and install all components to sealed system.

4. Purge nitrogen through the unit. at approximately 2-3 psi through the duration of the brazing process. (Nitrogen must be purging through the unit while any brazing is being performed.)
5. Pressure test unit to 550 psi minimum and hold pressure for 30 minutes minimum. Inspect for any leaks with a leak detection fluid and repair as required. Repeat as required until system passes leak test.
6. Triple evacuate the unit to achieve a 500 micron level.
7. Pressurize nitrogen to 550 psi and leak test all connections with a leak detection fluid. Repair any leaks found.
8. Reassemble sealed enclosures accurately. If seals are worn, replace them.
9. Charge the system with the amount of refrigerant specified on the model nameplate. Refer to the refrigerant charging section of this manual for charging procedures.

R-454B SEALED SYSTEM REPAIRS

Refrigerant Charging

⚠WARNING: Electrical Shock Hazard

Disconnect all power to the unit before starting maintenance. All electrical connections and wiring MUST be installed by a qualified electrician and conform to all codes which have jurisdiction. Failure to do so can result in property damage, severe electrical shock or death.

⚠WARNING: This Product uses R-32 Refrigerant

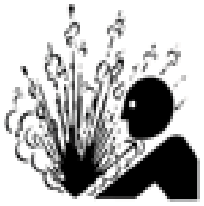
Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

When not installed, the appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.

Do not pierce or burn.

Be aware that refrigerants may not contain an odor.

⚠WARNING: Refrigeration System under High pressure



Do not puncture, heat, expose to flame or incinerate. Only certified refrigeration technicians should service this equipment. R32 systems operate at higher pressures than R22 equipment. Appropriate safe service and handling practices must be used.

⚠WARNING: Freeze Hazard

Proper safety procedures must be followed, and all PPE must be utilized when working with liquid refrigerant. Failure to comply could result in minor to moderate injury.

NOTE: Always weigh in refrigerant based on the model nameplate.

⚠Warning:

- Ensure that contamination of different refrigerants does not occur when using charging equipment.
- Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Charge unit with refrigerant cylinder in the inverted position to obtain liquid refrigerant.
- Charge the unit according to the amount on the name plate matching the unit.
- Extreme care shall be taken not to overfill the REFRIGERATING SYSTEM.
- Prior to recharging a system, it shall be pressure-tested with the dry nitrogen.

The acceptable method for charging the sealed system is the Weighed in Charge Method. The weighed in charge method is applicable to all units. It is the preferred method to use, as it is the most accurate.

The weighed in method should always be used whenever a charge is removed from a unit such as for a leak repair, compressor replacement, or when there is no refrigerant charge left in the unit. To charge by this method, requires the following steps:

- ⚠**Warning:** Ensure sufficient ventilation at the repair place.

⚠**Warning:** Ensure there are no open flame sources or hot surfaces that exceed 1200˚F in the work area.

1. Recover Refrigerant in accordance with EPA regulations. (Refer to Refrigerant Removal, Recovery, and Evacuation Section).

NOTE: If a low charge is suspected weigh recovered refrigerant and compare to unit nameplate.
NOTE: Service ports are located on the side of the unit. See figure G.3.

2. Weigh in the refrigerant charge with the proper quantity of R-454B refrigerant per model nameplate.

3. Perform triple evacuation.
NOTE: EPA Section 608 regulations require that if a system is charged with flammable refrigerant it must have red markings on the service ports.

R-454B SEALED SYSTEM REPAIRS

Refrigerant Charging

Triple Evacuation

Friedrich requires all installations are Leak Checked and Evacuated in accordance to the "triple evacuation" process. This process promotes a dry tight refrigeration system before opening the service valves. It recommended that a single port refrigeration manifold and hoses rated over 31.5 psi be used. Refrigeration hose valves, along with a vacuum pump and micron gauge, must be used to ensure the system can be vacuumed and held under 500 microns. Check all equipment and hoses for proper usage and leaks before beginning.

1. 1st Nitrogen Pressure Test:
Ensure all refrigeration connections are properly flared, secured, and torqued to their respective settings.
Pressurize the system with nitrogen to 550 psi. Soap all connections with an approved refrigerant leak detection solution.
The pressure in the system must hold for one hour respective to the environmental conditions and should not vary less than 540psi. If pressure can not be adequate held, check integrity of flares and torque specifications. Once pressure is held adequately, purge the nitrogen charge to system pressure of 5-10 psi. DO NOT RETURN TO ATMOSPHERIC PRESSURE.
2. 1st Vacuum Micron Test:
Connect hoses and vacuum pump to the outdoor unit as shown in Fig. 436. Start the vacuum pump and vacuum to 1000 microns. Close the valve to the vacuum pump and check for micron rise for 15 minutes. If microns rise to near atmospheric pressure, there is a potential leak; repeat step 1. If microns rise over 5000, the system is very wet and will require further nitrogen purges.
3. 2nd Nitrogen Break:
Once the system holds below 5000 microns, reconnect the nitrogen tank break the system vacuum with 30-50 psi of nitrogen. Wait 5 minutes, then purge to 5-10 psi. DO NOT RETURN TO ATMOSPHERIC PRESSURE.
4. 2nd Vacuum Micron Test:
Reconnect vacuum pump and gauge and begin evacuation. Vacuum system to 500 microns. Close vacuum valve and check for micron rise. Vacuum should hold under 1000 microns. Repeat steps 3 and 4 until achieved.
5. 3rd Nitrogen Break:
Once the system holds below 1000 microns, reconnect the nitrogen tank break the system vacuum with 30-50 psi of nitrogen. Wait 5 minutes, then purge to 5-10 psi. DO NOT RETURN TO ATMOSPHERIC PRESSURE.
6. 3rd Final Vacuum Micron Test:
Reconnect vacuum pump and gauge and begin evacuation. Vacuum system to 300 microns. Close vacuum valve and check for micron rise. Vacuum should hold under 500 microns. Repeat steps 3 and 4 until achieved. Once held under 500 microns, the system is considered dry and tight.
7. Charging the system:
Unscrew Service Valve Caps to expose the inner hexagon head. Use an allen-head spanner or service wrench with appropriate adapter to release the refrigerant into the system. If the calculated line set length is over 2 ft, weight in the additional charge with an approved refrigerant scale as needed. Refer to installation section of this manual.

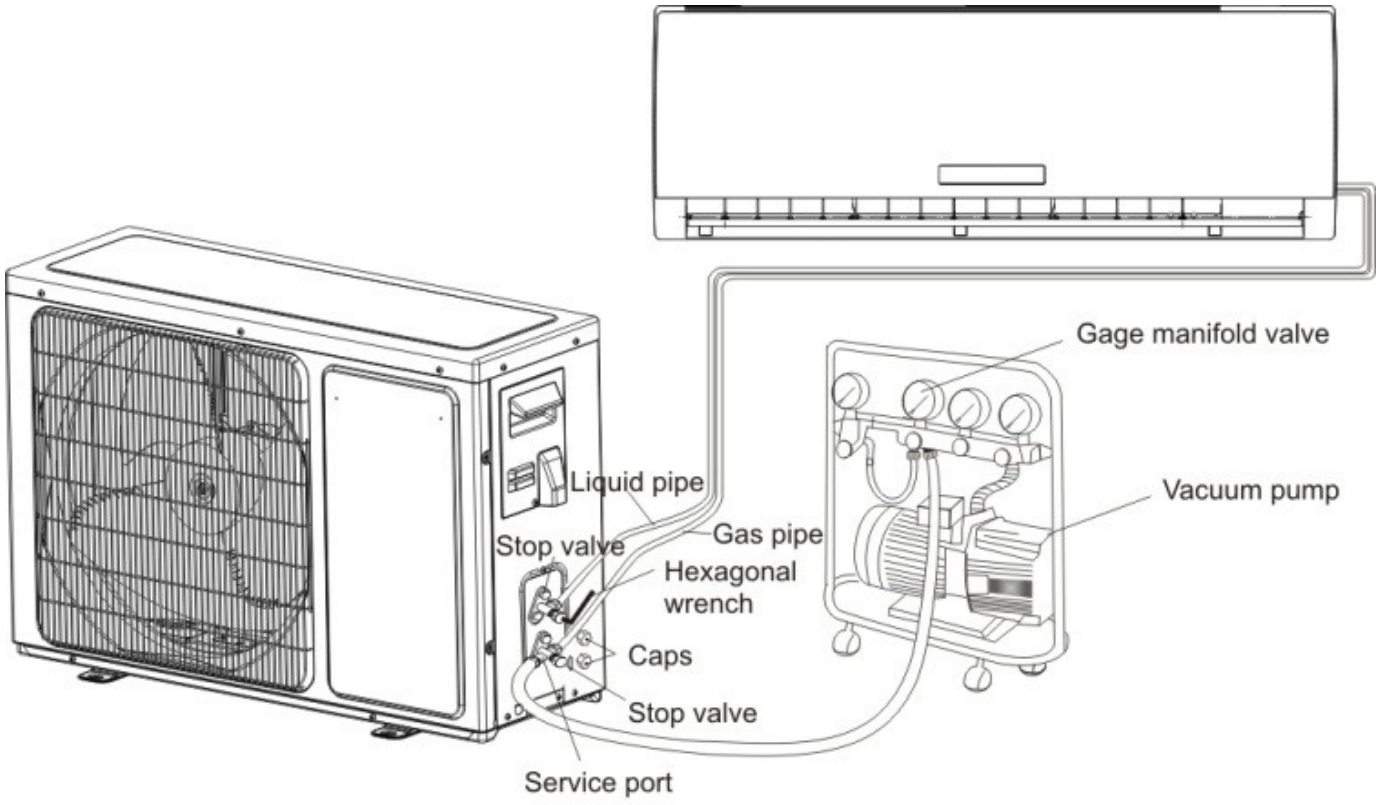


Figure 705

R-454B SEALED SYSTEM REPAIRS

Compressor Replacement

⚠ WARNING

ELECTRIC SHOCK HAZARD
Turn off electric power before service or installation. Extreme care must be used, if it becomes necessary to work on equipment with power applied.

Failure to do so could result in serious injury or death.

⚠ WARNING

HIGH PRESSURE HAZARD
Sealed Refrigeration System contains refrigerant and oil under high pressure.

Proper safety procedures must be followed, and PPE must be utilized
when working with refrigerants.

Failure to follow these procedures could result in serious injury or death.

⚠ WARNING

EXPLOSION HAZARD
The use of nitrogen requires a pressure regulator. Follow all safety procedures and wear protective safety clothing etc.

Failure to follow proper safety procedures could result in serious injury or death.

⚠ CAUTION

FREEZE HAZARD
Proper safety procedures must be followed, and proper protective clothing must be worn when working with liquid refrigerant.

Failure to follow these procedures could result in minor to moderate injury.

⚠ WARNING

NEVER, under any circumstances, liquid charge a rotary-compressor through the LOW side. Doing so would cause permanent damage to the new compressor. Use a charging adapter.

1. Be certain to perform all necessary electrical and refrigeration tests to be sure the compressor is actually defective before replacing.

2. Recover all refrigerant from the system though the process tubes. Refer to Refrigerant Removal, Recovery, and Evacuation Section of this manual).

PROPER HANDLING OF RECOVERED REFRIGERANT ACCORDING TO EPA REGULATIONS IS REQUIRED.

3. After all refrigerant has been recovered, cut and remove compressor. Be certain to have both suction and discharge process tubes open to atmosphere.

4. Install the replacement compressor.

CAUTION: Seal all openings on the defective compressor immediately. Compressor manufacturers will void warranties on units received not properly sealed. Do not distort the manufacturers tube connections.

5. Braze all connections. Refer to the Component Replacement/Brazing section of this manual.

6. Charge system with proper amount of refrigerant per the model nameplate. Refer to the Refrigerant charging section of this manual.

R-454B SEALED SYSTEM REPAIR

Replace The Reversing Valve

⚠ WARNING

HIGH PRESSURE HAZARD

Sealed Refrigeration System contains refrigerant and oil under high pressure.

Proper safety procedures must be followed, and PPE must be utilized when working with refrigerants.

Failure to follow these procedures could result in serious injury or death.

⚠ WARNING

EXPLOSION HAZARD

The use of nitrogen requires a pressure regulator. Follow all safety procedures and wear protective safety clothing etc.

Failure to follow proper safety procedures could result in serious injury or death.

NOTICE

FIRE HAZARD

The use of a torch requires extreme care and proper judgment. Follow all safety recommended precautions and protect surrounding areas with fire proof materials. Have a fire extinguisher readily available. Failure to follow this notice could result in moderate to serious property damage.

1. Recover all refrigerant from the system though the process tubes. Refer to Refrigerant Removal, Recovery, and Evacuation Section of this manual).

PROPER HANDLING OF RECOVERED REFRIGERANT ACCORDING TO EPA REGULATIONS IS REQUIRED.

2. Remove solenoid coil from reversing valve. If coil is to be reused, protect from heat while changing valve.

NOTE: When brazing a reversing valve into the system, it is of extreme importance that the temperature of the valve does not exceed 250°F at any time.

Wrap the reversing valve with a large rag saturated with water. "Re-wet" the rag and thoroughly cool the valve after each brazing operation of the four joints involved.

The wet rag around the reversing valve will eliminate conduction of heat to the valve body when brazing the line connection.

3. Cut all lines from reversing valve. Refer to the Brazing section of this manual.

4. Clean all excess braze from all tubing so that they will slip into fittings on new valve.

5. Remove solenoid coil from new valve.

6. Protect new valve body from heat while brazing with plastic heat sink (Thermo Trap) or wrap valve body with wet rag.

7. Fit all lines into new valve and braze lines into new valve.

8. Braze all connections. Refer to the Brazing section of this manual.

9. Pressurize with nitrogen to 550 psi and leak test all connections with a leak detection fluid. Repair any leaks found.

10. Once the sealed system is leak free, install solenoid coil on new valve.

11. Charge system with proper amount of refrigerant per the model nameplate. Refer to the refrigerant charging section of this manual.

WIRING DIAGRAMS

Indoor Unit

Wall Mount

FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D (No A2L sensor connection)

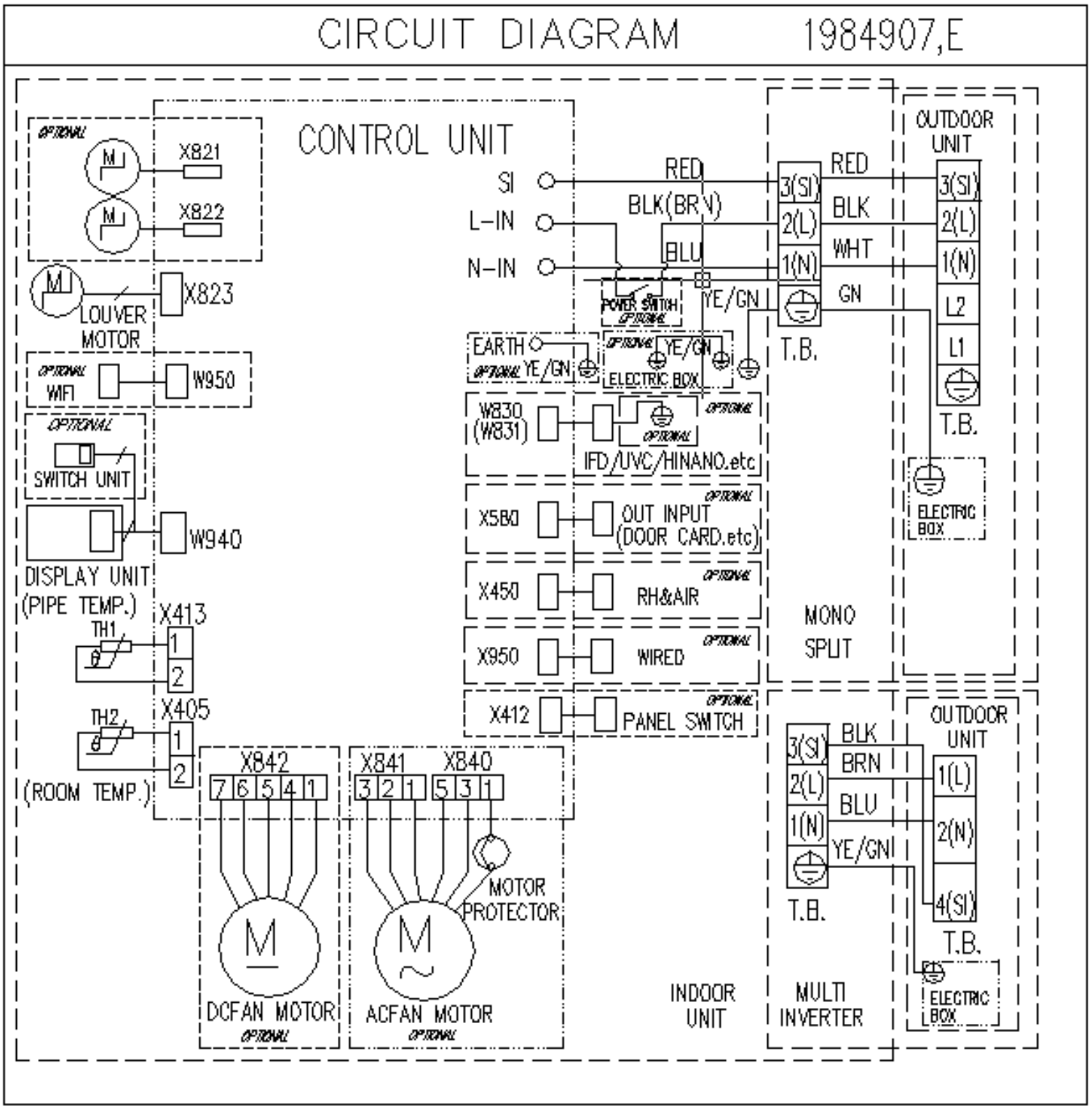


Figure 801

WIRING DIAGRAMS

Indoor Unit
Wall Mount

FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D (With A2L sensor connection)

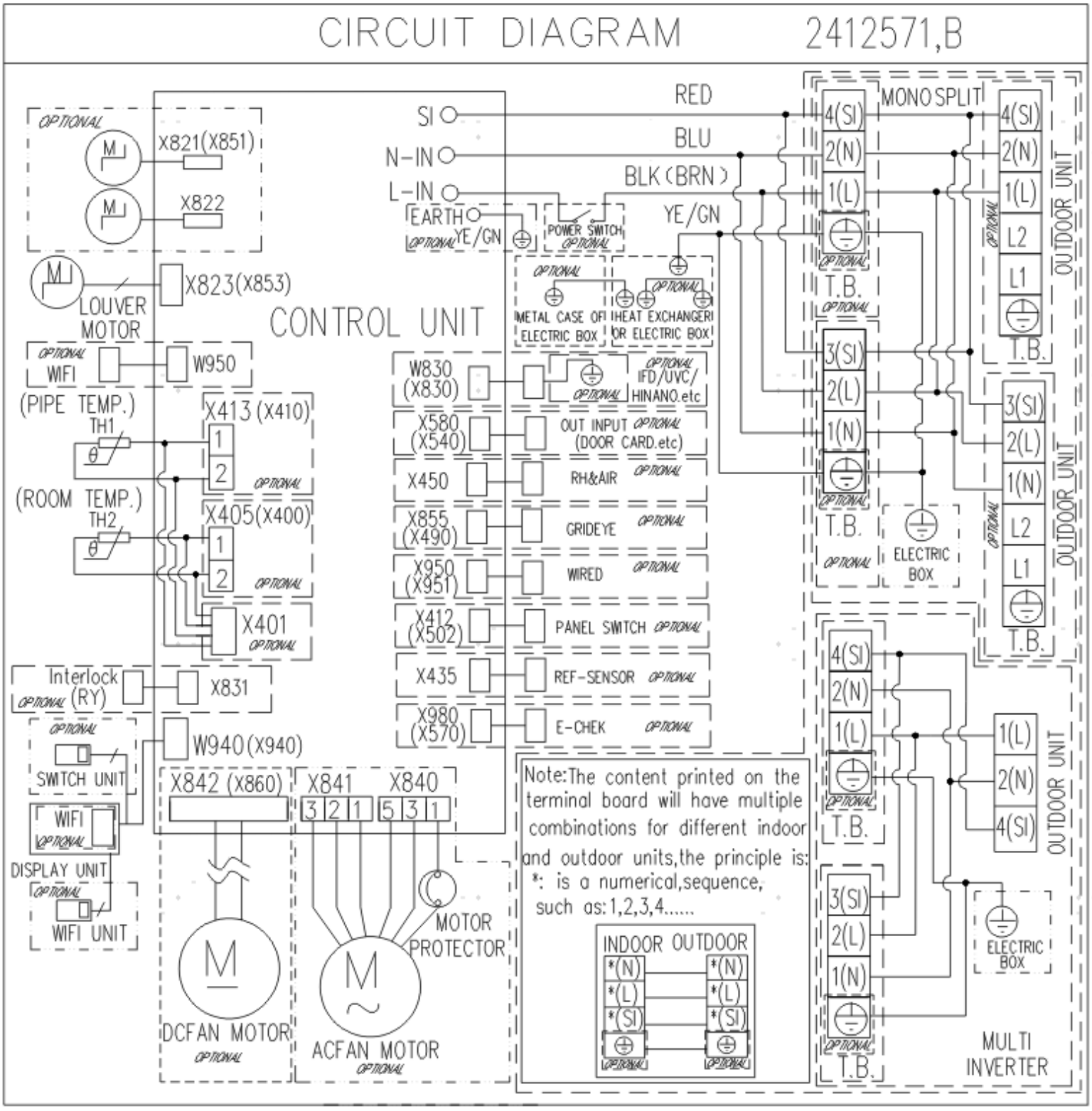
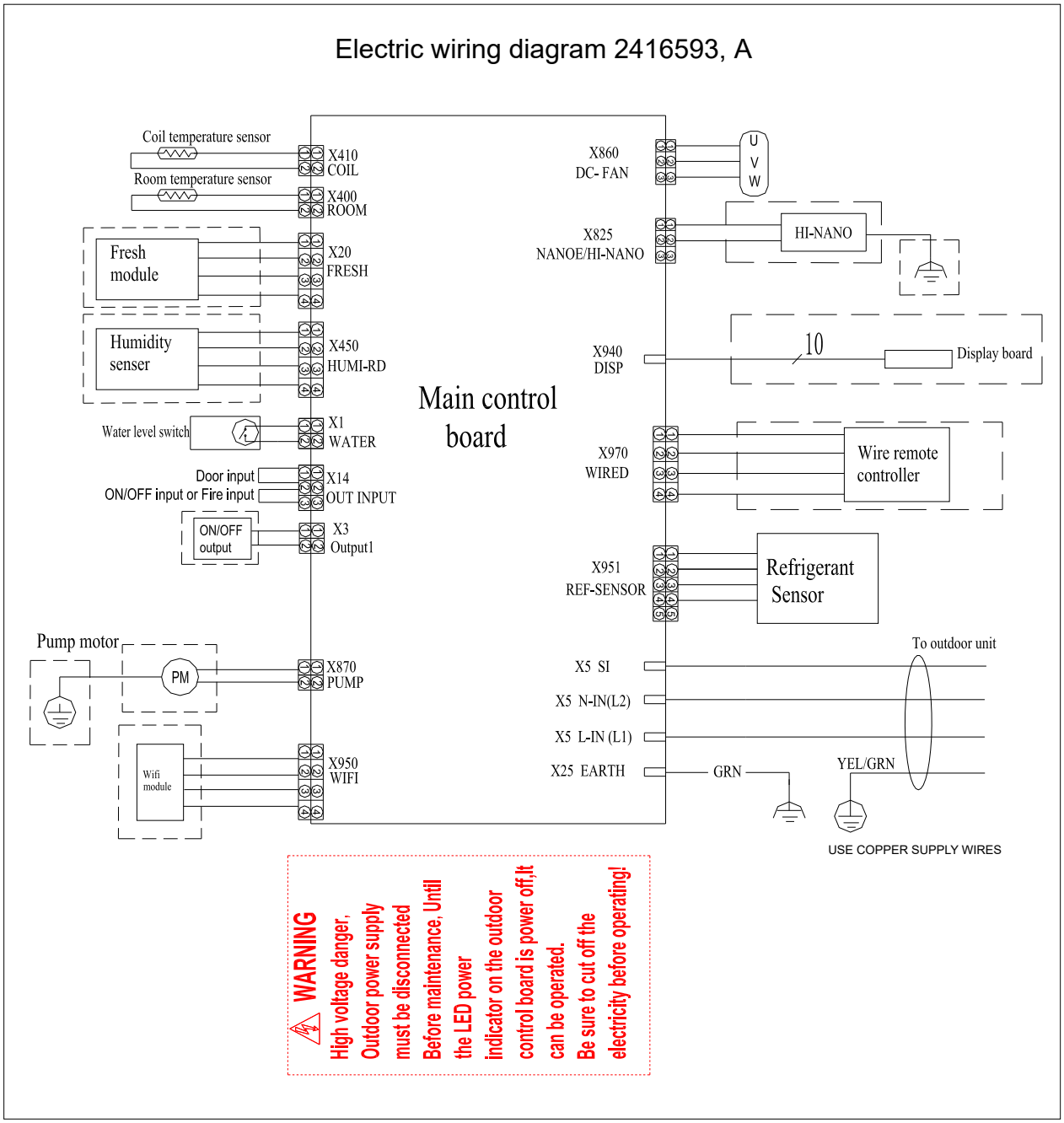


Figure 802

WIRING DIAGRAMS

Indoor Unit

Ducted 9k &12k



Remark:
Dashed parts are not available in some models.
Details see the table below.

Fresh module	ON/OFF output	Pump motor	Humidity module	Wifi module	Nanoe module	Wired remote controller	Display board	Hi-NANO
		●	●	●		●		

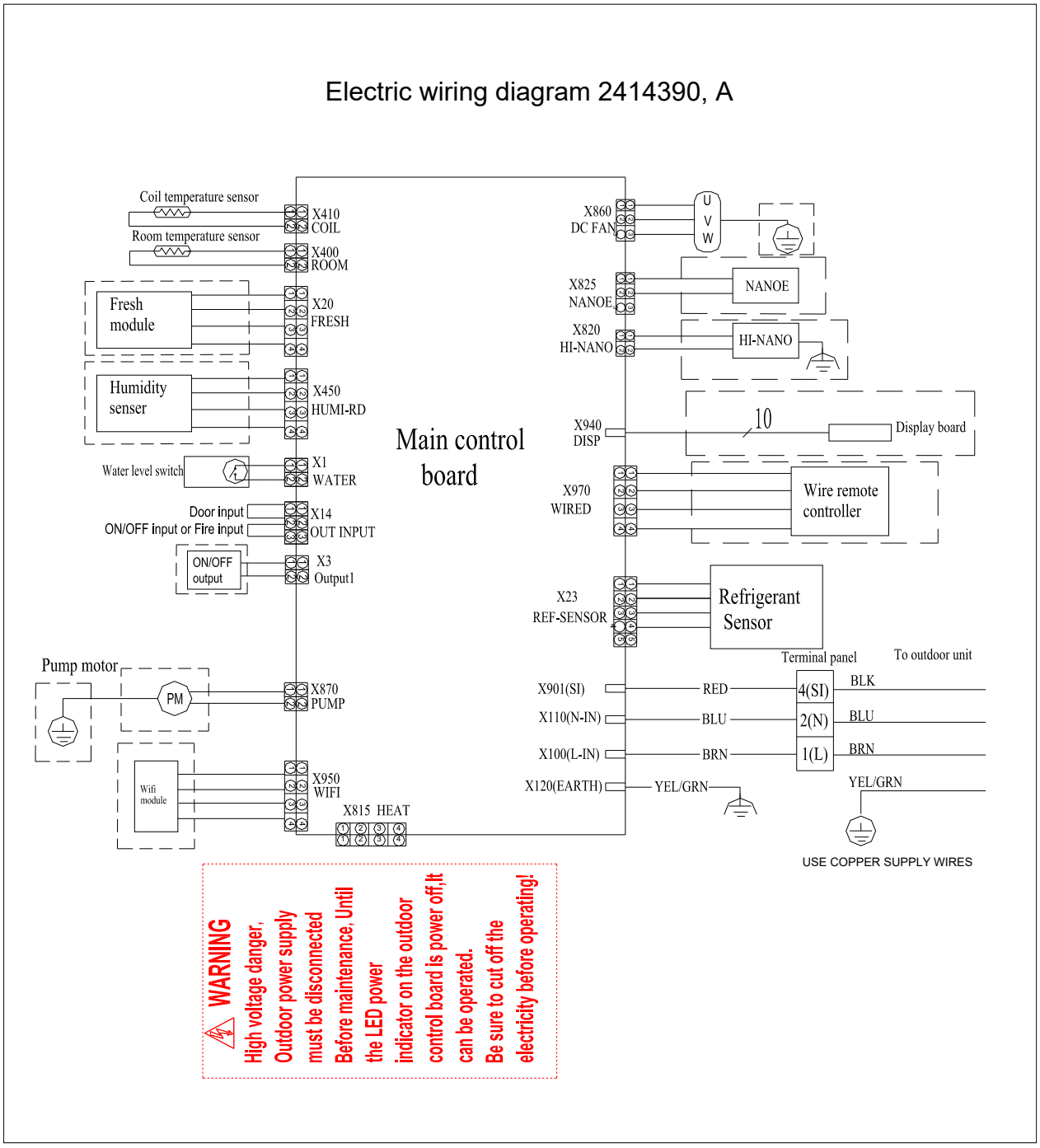
● --available part

Figure 803

WIRING DIAGRAMS

Indoor Unit

Ducted 18k &24k



Remark:
Dashed parts are not available in some models.
Details see the table below.

Fresh module	UVC	ON/OFF output	Pump motor	Humidity module	Wifi module	Nanoe module	Wired remote controller	Display board	Hi-NANO
			●	●	●		●		

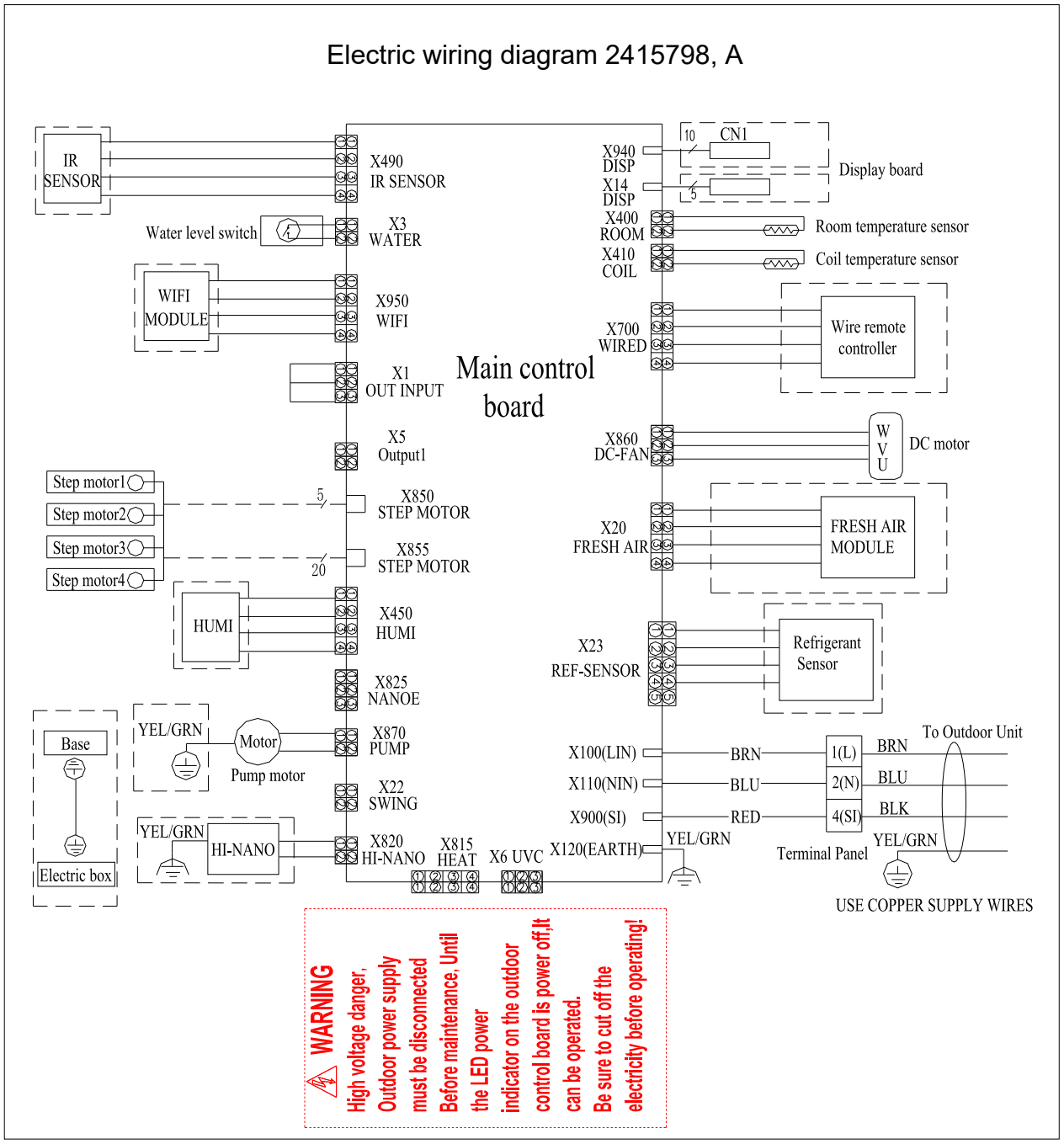
Figure 804

● --available part

WIRING DIAGRAMS

Indoor Unit

Cassette 9k -24k



Remark:
Dashed parts are not available in some models.
Details see the table below.

Model	WIFI Module	Humdity module	Hi-Nano	Refrigerant box	Display board (X940)	Display board (X14)	IR Sensor	Fresh air module	Wire remote controller
9K/12K	●	●		●	●				
18K~36K	●	●		●		●			

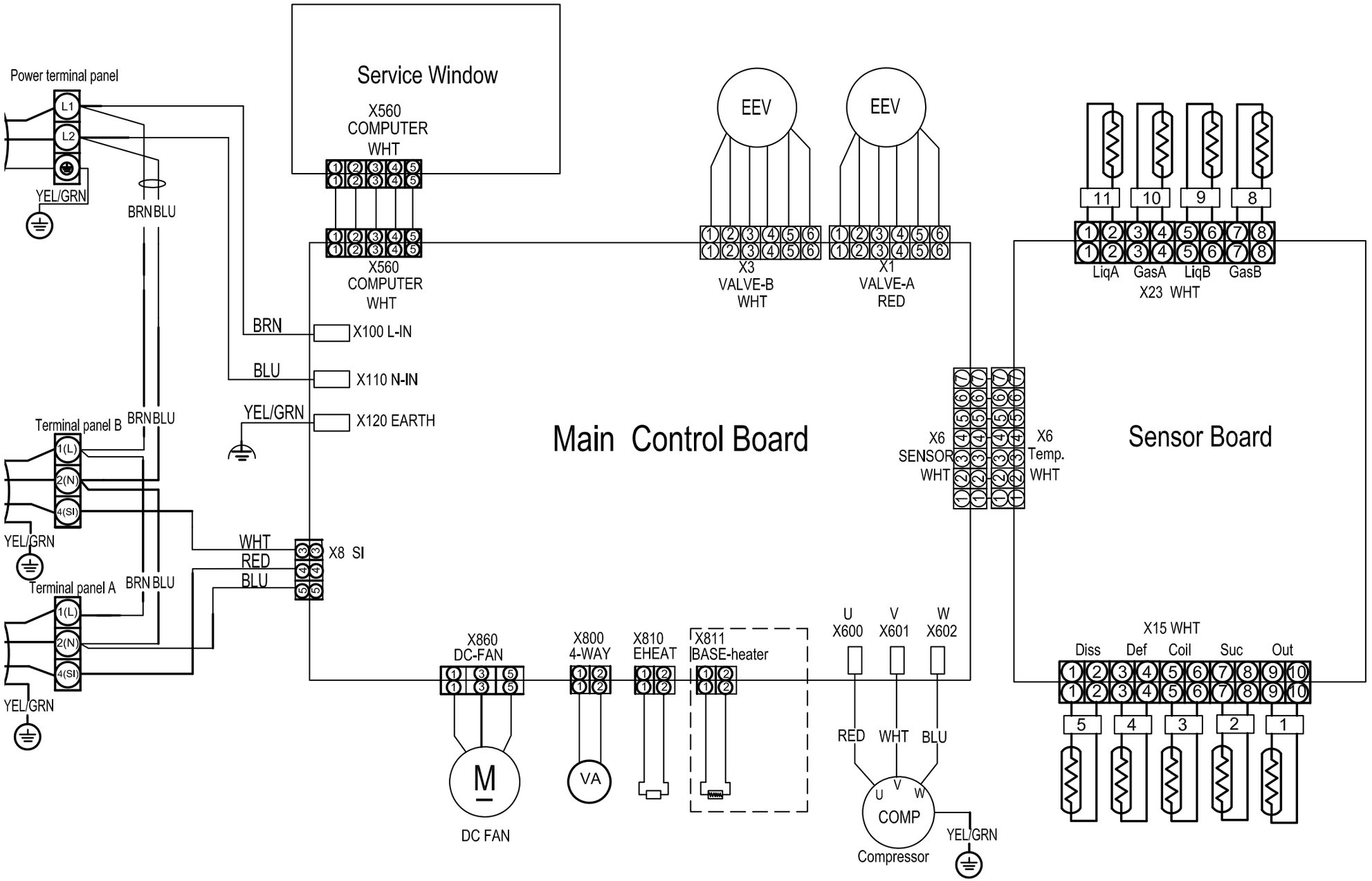
Figure 805

●--available part

WIRING DIAGRAMS

Figure 806

Outdoor Unit, FPHMR18A3D



WARNING

High voltage danger,
Outdoor power supply must be disconnected
Before maintenance,
Until the LED power indicator on the outdoor control board is power off,
It can be operated.
Be sure to cut off the electricity before operating!

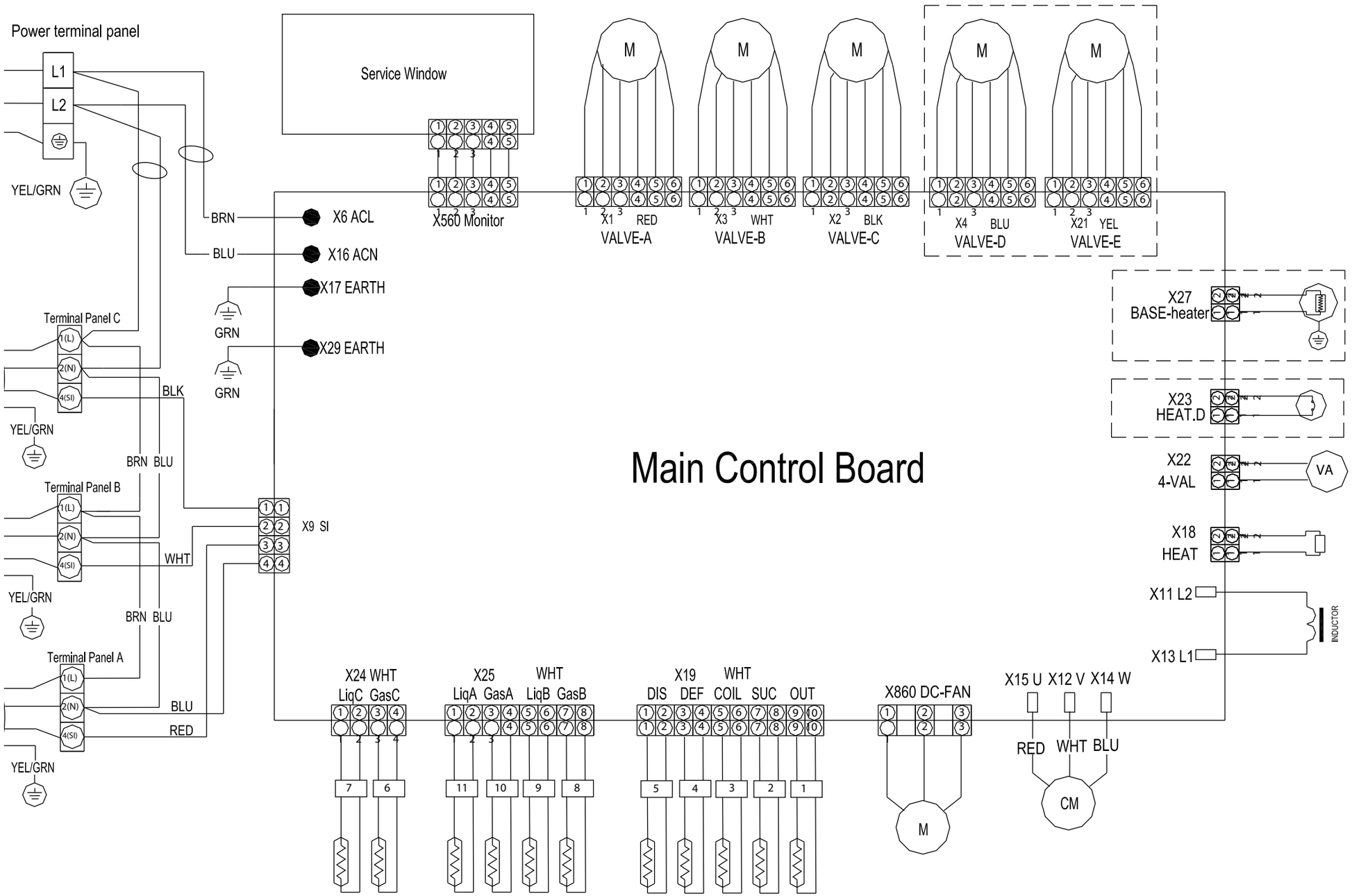
WIRING DIAGRAMS

Figure 807

Outdoor Unit, FPHMR27A3D

WARNING

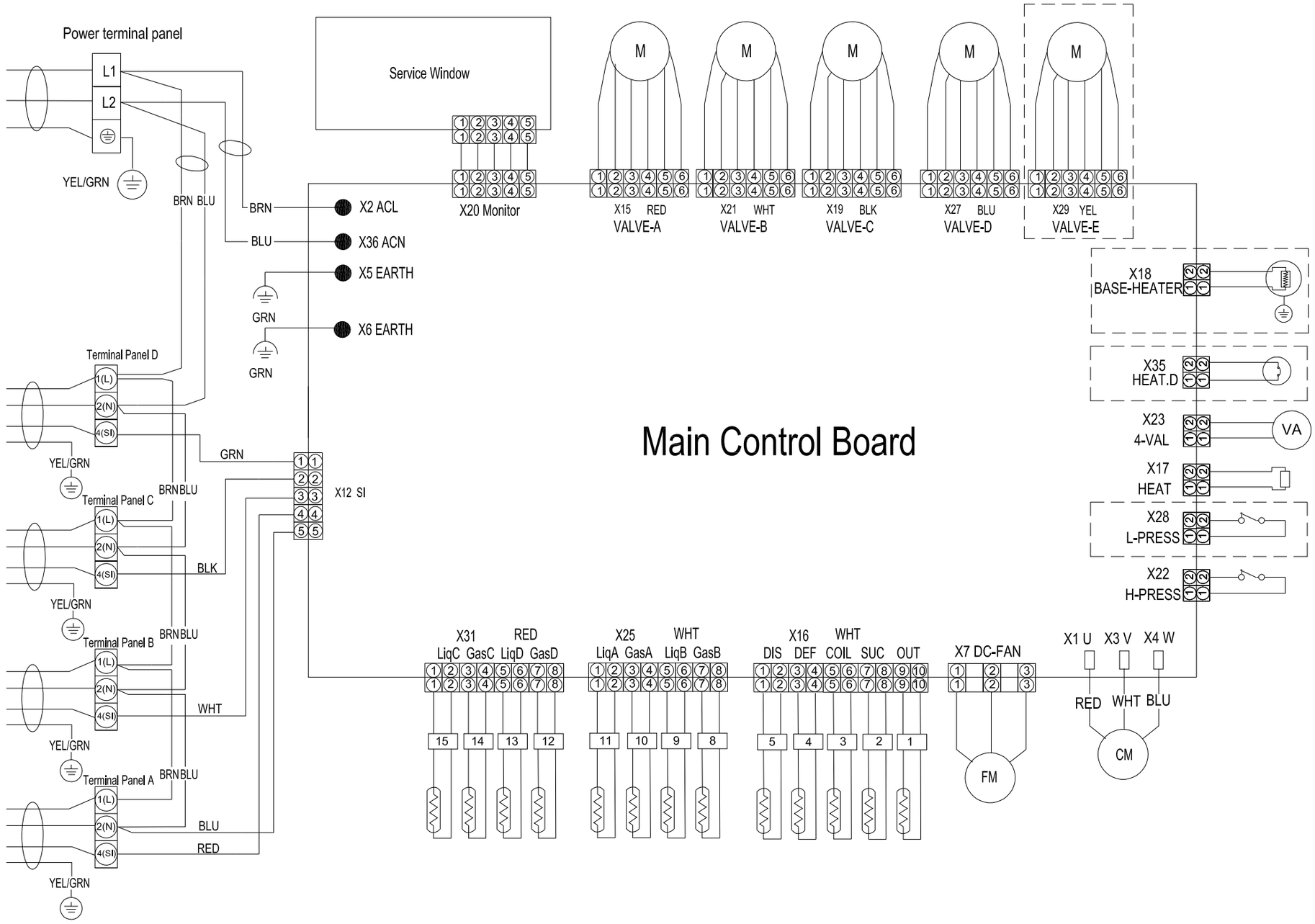
High voltage danger,
Outdoor power supply must be disconnected Before maintenance,
Until the LED power indicator on the outdoor control board is power off,
It can be operated.
Be sure to cut off the electricity before operating!



WIRING DIAGRAMS

Figure 808

Outdoor Unit FPHMR36A3D



WARNING

High voltage danger,
Outdoor power supply must be disconnected Before maintenance,
Until the LED power indicator on the outdoor control board is power off,
It can be operated.
Be sure to cut off the electricity before operating!

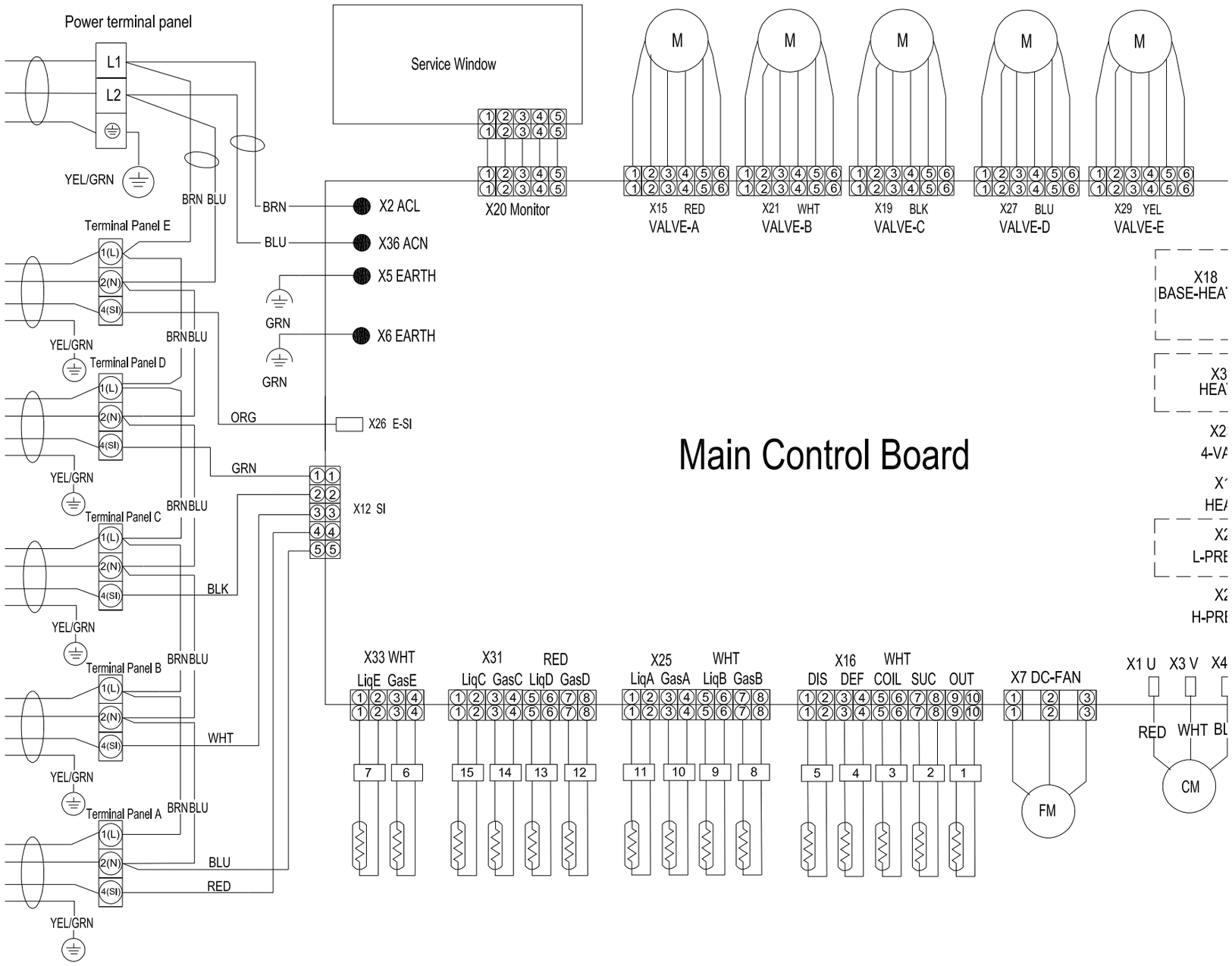
WIRING DIAGRAMS

Figure 809

Outdoor Unit FPHMR42A3D

WARNING

High voltage danger,
Outdoor power supply must be disconnected Before maintenance,
Until the LED power indicator on the outdoor control board is power off,
It can be operated.
Be sure to cut off the electricity before operating!



APPENDIX

Compressor Discharge Temp Sensor Resistance Values

1. THE PARAMETER OF OUTDOOR COMPRESSOR DISCHARGE TEMPERATURE SENSOR:

（R_0=187.25K±6.3%；R_{100}=3.77K±2.5K；B0/100=3979K±1%）

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	908.2603	985.5274	1065.1210	-7.84	7.47
-29	855.3955	927.6043	1001.9150	-7.78	7.42
-28	805.9244	873.4324	924.8368	-7.73	5.56
-27	759.6097	822.7471	887.5944	-7.67	7.31
-26	716.2320	775.3041	835.9165	-7.62	7.25
-25	675.5881	730.8775	787.5529	-7.56	7.20
-24	637.4902	689.2583	742.2720	-7.51	7.14
-23	601.7645	650.2533	699.8601	-7.46	7.09
-22	568.2499	613.6835	660.1191	-7.40	7.03
-21	536.7970	579.3832	622.8658	-7.35	6.98
-20	507.2676	547.1989	587.9307	-7.30	6.93
-19	497.5332	516.9882	555.1565	-3.76	6.88
-18	453.4748	488.6192	524.3977	-7.19	6.82
-17	428.9819	461.9693	495.5191	-7.14	6.77
-16	405.9517	436.9251	486.3954	-7.09	10.17
-15	384.2888	413.3808	442.9105	-7.04	6.67
-14	363.9047	391.2386	418.9563	-6.99	6.62
-13	344.7169	370.4072	396.4325	-6.94	6.56
-12	326.6497	350.8019	375.2461	-6.88	6.51
-11	309.6286	332.3441	355.3104	-6.83	6.46
-10	293.5903	314.9620	336.5448	-6.79	6.41
-9	278.4719	298.5822	318.3744	-6.74	6.22
-8	264.2156	283.1464	302.2294	-6.69	6.31
-7	250.7678	268.5936	286.5448	-6.64	6.26
-6	238.0783	254.8686	271.7603	-6.59	6.22
-5	226.1003	241.9200	257.8193	-6.54	6.17
-4	214.7903	229.6997	244.6593	-6.49	6.11
-3	204.1073	218.1630	232.2612	-6.44	6.07
-2	194.0135	207.2681	220.5495	-6.39	6.02
-1	184.4732	196.9759	209.4913	-6.35	5.97
0	175.4533	187.2500	199.0468	-6.30	5.93
1	166.8952	178.0255	189.1529	-6.25	5.88
2	158.8023	169.3067	179.8058	-6.20	5.84
3	151.1467	161.0633	170.9724	-6.16	5.80
4	143.9026	153.2667	162.6216	-6.11	5.75
5	137.0455	145.8905	154.7246	-6.06	5.71
6	130.5528	138.9097	147.2544	-6.02	5.67
7	124.4033	132.3011	140.1856	-5.97	5.62
8	118.5769	126.0429	133.4946	-5.92	5.58
9	113.0550	120.1146	127.1591	-5.88	5.54
10	107.8202	114.4973	121.1586	-5.83	5.50
11	102.8560	109.1728	115.4734	-5.79	5.46
12	98.1470	104.1246	110.0855	-5.74	5.41
13	93.6787	99.3367	104.9778	-5.70	5.37
14	89.4378	94.7946	100.1342	-5.65	5.33
15	85.4114	90.4842	95.5398	-5.61	5.29
16	81.5875	86.3926	91.1805	-5.56	5.25
17	77.9551	82.5076	87.0430	-5.52	5.21
18	74.5034	78.8177	83.1150	-5.47	5.17

APPENDIX

Compressor Discharge Temp Sensor Resistance Values

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
19	71.2227	75.3122	79.3848	-5.43	5.13
20	68.1036	71.9808	75.8414	-5.39	5.09
21	65.1373	68.8141	72.4746	-5.34	5.05
22	62.3155	65.8032	69.2746	-5.30	5.01
23	59.6306	62.9395	66.2324	-5.26	4.97
24	57.0752	60.2152	63.3395	-5.21	4.93
25	54.6424	57.6227	60.5877	-5.17	4.89
26	52.3258	55.1551	57.9695	-5.13	4.85
27	50.1192	52.8058	55.4778	-5.09	4.82
28	48.0168	50.5684	53.1058	-5.05	4.78
29	46.0133	48.4371	50.8472	-5.00	4.74
30	44.1034	46.4046	48.6960	-4.96	4.71
31	42.2825	44.4711	46.6466	-4.92	4.66
32	40.5458	42.6261	44.6937	-4.88	4.63
33	38.8891	40.8668	42.8323	-4.84	4.59
34	37.3084	39.1890	41.0576	-4.80	4.55
35	35.7998	37.5883	39.3653	-4.76	4.51
36	34.3596	36.0609	37.7511	-4.72	4.48
37	32.9844	34.6030	36.2109	-4.68	4.44
38	31.6710	33.2113	34.7412	-4.64	4.40
39	30.4164	31.8823	33.3383	-4.60	4.37
40	29.2176	30.6130	31.9988	-4.56	4.33
41	28.0718	29.4004	30.7197	-4.52	4.29
42	26.9765	28.2417	29.4979	-4.48	4.26
43	25.9293	27.1342	28.3306	-4.44	4.22
44	24.9277	26.0755	27.2150	-4.40	4.19
45	23.9697	25.0632	26.1488	-4.36	4.15
46	23.0530	24.0950	25.1293	-4.32	4.12
47	22.1757	23.1688	24.1545	-4.29	4.08
48	21.3360	22.2826	23.2221	-4.25	4.05
49	20.5321	21.4345	22.3301	-4.21	4.01
50	19.7623	20.6226	21.4766	-4.17	3.98
51	19.0261	19.8468	20.6612	-4.14	3.94
52	18.3211	19.1040	19.8808	-4.10	3.91
53	17.6458	18.3926	19.1338	-4.06	3.87
54	16.9986	17.7113	18.4185	-4.02	3.84
55	16.3784	17.0537	17.7335	-3.96	3.83
56	15.7839	16.4332	17.0774	-3.95	3.77
57	15.2139	15.8338	16.4488	-3.92	3.74
58	14.6673	15.2592	15.8464	-3.88	3.71
59	14.1430	14.7083	15.2690	-3.84	3.67
60	13.6400	14.1799	14.7154	-3.81	3.64
61	13.1573	13.6730	14.1846	-3.77	3.61
62	12.6941	13.1868	13.6756	-3.74	3.57
63	12.2494	12.7202	13.1872	-3.70	3.54
64	11.8224	12.2723	12.7186	-3.67	3.51
65	11.4124	11.8424	12.2690	-3.63	3.48
66	11.0185	11.4295	11.8373	-3.60	3.45
67	10.6401	11.0331	11.4230	-3.56	3.41
68	10.2765	10.6522	11.0251	-3.53	3.38
69	9.9271	10.2863	10.6429	-3.49	3.35
70	9.5912	9.9348	10.2756	-3.46	3.32
71	9.2682	9.5968	9.9231	-3.42	3.29
72	8.9576	9.2720	9.5841	-3.39	3.26
73	8.6589	8.9597	9.2583	-3.36	3.23
74	8.3716	8.6594	8.9451	-3.32	3.19

APPENDIX

Compressor Discharge Temp Sensor Resistance Values

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
75	8.0951	8.3705	8.6440	-3.29	3.16
76	7.8290	8.0926	8.3544	-3.26	3.13
77	7.5730	7.8252	8.0758	-3.22	3.10
78	7.3264	7.5679	7.8078	-3.19	3.07
79	7.0891	7.3202	7.5499	-3.16	3.04
80	6.8605	7.0818	7.3018	-3.12	3.01
81	6.6403	6.8522	7.0629	-3.09	2.98
82	6.4282	6.6311	6.8329	-3.06	2.95
83	6.2239	6.4182	6.6115	-3.03	2.92
84	6.0269	6.2131	6.3982	-3.00	2.89
85	5.8371	6.0154	6.1928	-2.96	2.86
86	5.6542	5.8249	5.9949	-2.93	2.84
87	5.4777	5.6413	5.8042	-2.90	2.81
88	5.3076	5.4644	5.6205	-2.87	2.78
89	5.1435	5.2937	5.4433	-2.84	2.75
90	4.9853	5.1292	5.2726	-2.81	2.72
91	4.8326	4.9705	5.1079	-2.77	2.69
92	4.6852	4.8174	4.9492	-2.74	2.66
93	4.5430	4.6697	4.7960	-2.71	2.63
94	4.4058	4.5272	4.6483	-2.68	2.61
95	4.2733	4.3896	4.5058	-2.65	2.58
96	4.1453	4.2568	4.3683	-2.62	2.55
97	4.0218	4.1287	4.2355	-2.59	2.52
98	3.9024	4.0049	4.1074	-2.56	2.50
99	3.7872	3.8854	3.9837	-2.53	2.47
100	3.6758	3.7700	3.8643	-2.50	2.44
101	3.5661	3.6585	3.7512	-2.53	2.47
102	3.4601	3.5509	3.6419	-2.56	2.50
103	3.3577	3.4468	3.5362	-2.59	2.53
104	3.2588	3.3463	3.4341	-2.61	2.56
105	3.1632	3.2491	3.3353	-2.64	2.58
106	3.0708	3.1551	3.2398	-2.67	2.61
107	2.9816	3.0643	3.1475	-2.70	2.64
108	2.8953	2.9765	3.0582	-2.73	2.67
109	2.8118	2.8915	2.9717	-2.76	2.70
110	2.7311	2.8093	2.8881	-2.78	2.73
111	2.6531	2.7299	2.8072	-2.81	2.75
112	2.5776	2.6530	2.7289	-2.84	2.78
113	2.5046	2.5785	2.6531	-2.87	2.81
114	2.4340	2.5065	2.5798	-2.89	2.84
115	2.3656	2.4368	2.5087	-2.92	2.87
116	2.2995	2.3693	2.4400	-2.95	2.90
117	2.2354	2.3040	2.3733	-2.98	2.92
118	2.1734	2.2407	2.3088	-3.00	2.95
119	2.1134	2.1795	2.2463	-3.03	2.97
120	2.0553	2.1201	2.1858	-3.06	3.01
121	1.9991	2.0626	2.1271	-3.08	3.03
122	1.9446	2.0070	2.0702	-3.11	3.05
123	1.8918	1.9530	2.0151	-3.13	3.08
124	1.8406	1.9007	1.9617	-3.16	3.11
125	1.7911	1.8500	1.9099	-3.18	3.14
126	1.7430	1.8009	1.8597	-3.22	3.16
127	1.6965	1.7533	1.8110	-3.24	3.19
128	1.6514	1.7071	1.7638	-3.26	3.21
129	1.6076	1.6623	1.7180	-3.29	3.24
130	1.5652	1.6189	1.6736	-3.32	3.27

APPENDIX

Coil and Ambient Temp Sensor Resistance Values

2. THE PARAMETER OF THE OTHER SENSOR：

（R_0=15K±2%；B0/100=3450K±2%）

T [℃]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
-30	60.78	64.77	68.99	-6.16	6.12
-29	57.75	61.36	65.16	-5.88	5.83
-28	54.89	58.15	61.58	-5.61	5.57
-27	52.19	55.14	58.23	-5.35	5.31
-26	49.63	52.30	55.08	-5.11	5.05
-25	47.21	49.62	52.13	-4.86	4.81
-24	44.92	47.10	49.37	-4.63	4.60
-23	42.76	44.73	46.78	-4.40	4.38
-22	40.71	42.49	44.34	-4.19	4.17
-21	38.77	40.38	42.05	-3.99	3.97
-20	36.93	38.39	39.90	-3.80	3.78
-19	35.18	36.51	37.87	-3.64	3.59
-18	33.53	34.74	35.97	-3.48	3.42
-17	31.96	33.06	34.17	-3.33	3.25
-16	30.48	31.47	32.49	-3.15	3.14
-15	29.07	29.97	30.89	-3.00	2.98
-14	27.73	28.56	29.39	-2.91	2.82
-13	26.46	27.22	27.98	-2.79	2.72
-12	25.26	25.95	26.64	-2.66	2.59
-11	24.11	24.75	25.38	-2.59	2.48
-10	23.03	23.61	24.19	-2.46	2.40
-9	21.99	22.53	23.06	-2.40	2.30
-8	21.01	21.51	22.00	-2.32	2.23
-7	20.08	20.54	20.99	-2.24	2.14
-6	19.19	19.62	20.04	-2.19	2.10
-5	18.35	18.74	19.14	-2.08	2.09
-4	17.55	17.92	18.29	-2.06	2.02
-3	16.78	17.13	17.48	-2.04	2.00
-2	16.06	16.38	16.71	-1.95	1.97
-1	15.36	15.67	15.98	-1.98	1.94
0	14.70	15.00	15.29	-2.00	1.90
1	14.08	14.36	14.64	-1.95	1.91
2	13.48	13.75	14.02	-1.96	1.93
3	12.91	13.17	13.43	-1.97	1.94
4	12.36	12.62	12.87	-2.06	1.94
5	11.85	12.09	12.34	-1.99	2.03
6	11.35	11.59	11.83	-2.07	2.03
7	10.88	11.11	11.35	-2.07	2.11
8	10.43	10.66	10.89	-2.16	2.11
9	9.999	10.230	10.450	-2.26	2.11
10	9.590	9.816	10.040	-2.30	2.23
11	9.199	9.422	9.647	-2.37	2.33
12	8.826	9.047	9.269	-2.44	2.40
13	8.470	8.689	8.910	-2.52	2.48
14	8.129	8.347	8.567	-2.61	2.57
15	7.804	8.021	8.240	-2.71	2.66
16	7.493	7.709	7.928	-2.80	2.76
17	7.196	7.412	7.630	-2.91	2.86
18	6.912	7.127	7.346	-3.02	2.98
19	6.640	6.855	7.074	-3.14	3.10
20	6.381	6.595	6.815	-3.24	3.23
21	6.132	6.347	6.567	-3.39	3.35
22	5.894	6.109	6.330	-3.52	3.49

APPENDIX

Coil and Ambient Temp Sensor Resistance Values

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
23	5.667	5.882	6.103	-3.66	3.62
24	5.449	5.664	5.886	-3.80	3.77
25	5.240	5.456	5.678	-3.96	3.91
26	5.048	5.260	5.478	-4.03	3.98
27	4.864	5.072	5.286	-4.10	4.05
28	4.687	4.891	5.101	-4.17	4.12
29	4.517	4.717	4.924	-4.24	4.20
30	4.355	4.550	4.753	-4.29	4.27
31	4.198	4.390	4.589	-4.37	4.34
32	4.048	4.236	4.431	-4.44	4.40
33	3.904	4.089	4.280	-4.52	4.46
34	3.766	3.946	4.134	-4.56	4.55
35	3.663	3.810	3.994	-3.86	4.61
36	3.506	3.679	3.859	-4.70	4.66
37	3.383	3.552	3.729	-4.76	4.75
38	3.265	3.431	3.604	-4.84	4.80
39	3.152	3.314	3.484	-4.89	4.88
40	3.043	3.202	3.368	-4.97	4.93
41	2.938	3.094	3.257	-5.04	5.00
42	2.838	2.990	3.149	-5.08	5.05
43	2.741	2.890	3.046	-5.16	5.12
44	2.648	2.793	2.946	-5.19	5.19
45	2.558	2.701	2.850	-5.29	5.23
46	2.472	2.611	2.758	-5.32	5.33
47	2.389	2.525	2.669	-5.39	5.40
48	2.309	2.443	2.583	-5.49	5.42
49	2.232	2.363	2.500	-5.54	5.48
50	2.158	2.286	2.421	-5.60	5.58
51	2.087	2.212	2.344	-5.65	5.63
52	2.018	2.140	2.269	-5.70	5.69
53	1.952	2.072	2.198	-5.79	5.73
54	1.888	2.005	2.129	-5.84	5.82
55	1.827	1.941	2.062	-5.87	5.87
56	1.767	1.880	1.998	-6.01	5.91
57	1.710	1.820	1.936	-6.04	5.99
58	1.655	1.763	1.876	-6.13	6.02
59	1.602	1.707	1.818	-6.15	6.11
60	1.551	1.654	1.762	-6.23	6.13
61	1.502	1.602	1.709	-6.24	6.26
62	1.452	1.553	1.657	-6.50	6.28
63	1.409	1.505	1.606	-6.38	6.29
64	1.364	1.458	1.558	-6.45	6.42
65	1.322	1.413	1.511	-6.44	6.49
66	1.280	1.370	1.466	-6.57	6.55
67	1.241	1.328	1.422	-6.55	6.61
68	1.202	1.288	1.379	-6.68	6.60
69	1.165	1.249	1.339	-6.73	6.72
70	1.129	1.211	1.299	-6.77	6.77
71	1.095	1.175	1.261	-6.81	6.82
72	1.061	1.140	1.224	-6.93	6.86
73	1.029	1.106	1.188	-6.96	6.90
74	0.9977	1.073	1.153	-7.02	6.94
75	0.9676	1.041	1.120	-7.05	7.05
76	0.9385	1.011	1.088	-7.17	7.08
77	0.9104	0.9810	1.056	-7.20	7.10
78	0.8833	0.9523	1.026	-7.25	7.18

APPENDIX

Coil and Ambient Temp Sensor Resistance Values

T [°C]	Rmin [KΩ]	Rnom [KΩ]	Rmax [KΩ]	DR(MIN)%	DR(MAX)%
79	0.8570	0.9246	0.9971	-7.31	7.27
80	0.8316	0.8977	0.9687	-7.36	7.33
81	0.8071	0.8717	0.9412	-7.41	7.38
82	0.7834	0.8466	0.9146	-7.47	7.43
83	0.7604	0.8223	0.8888	-7.53	7.48
84	0.7382	0.7987	0.8639	-7.57	7.55
85	0.7167	0.7759	0.8397	-7.63	7.60
86	0.6958	0.7537	0.8161	-7.68	7.65
87	0.6755	0.7322	0.7933	-7.74	7.70
88	0.6560	0.7114	0.7712	-7.79	7.75
89	0.6371	0.6913	0.7498	-7.84	7.80
90	0.6188	0.6718	0.7291	-7.89	7.86
91	0.6011	0.6530	0.7051	-7.95	7.39
92	0.5840	0.6348	0.6897	-8.00	7.96
93	0.5674	0.6171	0.6709	-8.05	8.02
94	0.5514	0.6000	0.6527	-8.10	8.07
95	0.5359	0.5835	0.6350	-8.16	8.11
96	0.5209	0.5675	0.6179	-8.21	8.16
97	0.5064	0.5519	0.6014	-8.24	8.23
98	0.4923	0.5369	0.5853	-8.31	8.27
99	0.4787	0.5224	0.5698	-8.37	8.32
100	0.4655	0.5083	0.5547	-8.42	8.36
101	0.4528	0.4946	0.5401	-8.45	8.42
102	0.4404	0.4814	0.5259	-8.52	8.46
103	0.4284	0.4685	0.5121	-8.56	8.51
104	0.4168	0.4561	0.4988	-8.62	8.56
105	0.4056	0.4440	0.4859	-8.65	8.62
106	0.3947	0.4323	0.4733	-8.70	8.66
107	0.3841	0.4210	0.4611	-8.76	8.70
108	0.3739	0.4100	0.4493	-8.80	8.75
109	0.3640	0.3993	0.4379	-8.84	8.81
110	0.3544	0.3890	0.4267	-8.89	8.84
111	0.3450	0.3789	0.4159	-8.95	8.90
112	0.3360	0.3692	0.4055	-8.99	8.95
113	0.3272	0.3597	0.3953	-9.04	9.01
114	0.3187	0.3505	0.3854	-9.07	9.06
115	0.3104	0.3416	0.3758	-9.13	9.10
116	0.3024	0.3330	0.3665	-9.19	9.14
117	0.2947	0.3246	0.3574	-9.21	9.18
118	0.2871	0.3164	0.3468	-9.26	8.77
119	0.2798	0.3085	0.3401	-9.30	9.29
120	0.2727	0.3008	0.33	-9.34	9.34