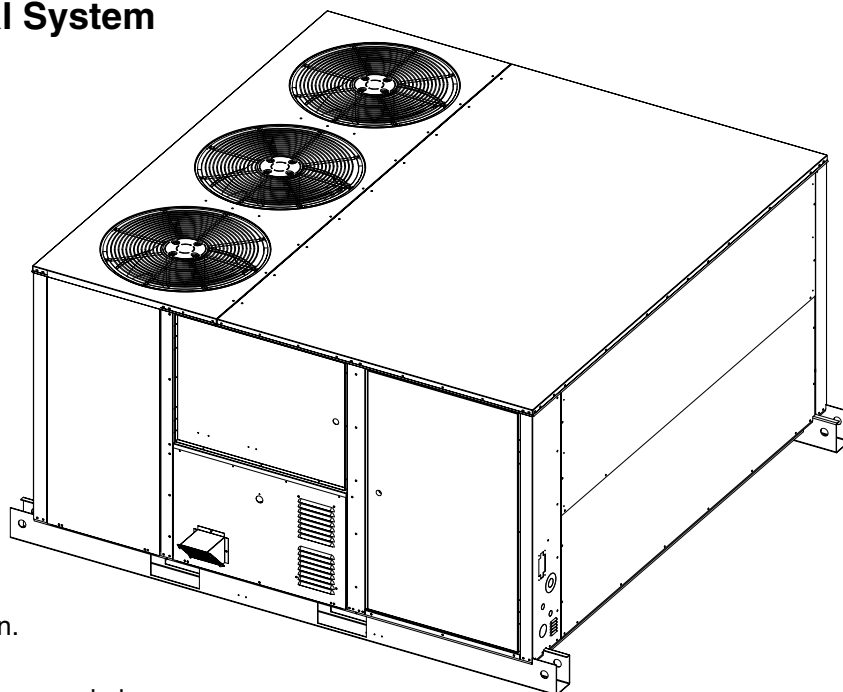


GR4GM Series

Single Packaged Gas/Electric Units

GR4GM 9.50 EER Commercial System 12½ and 15 Ton Units

The GR4GM is designed specifically for retrofit applications and compatibility with most standard footprints. The GR4GM takes less time to install and retrofit, making the contractor's job more profitable. The GR4GM offers flexibility in the replacement market by utilizing a database of major manufacturer's unit footprints and offers roof curb transitions to meet virtually any configuration.



Model GR4GM-150/180 Shown

FEATURES AND BENEFITS

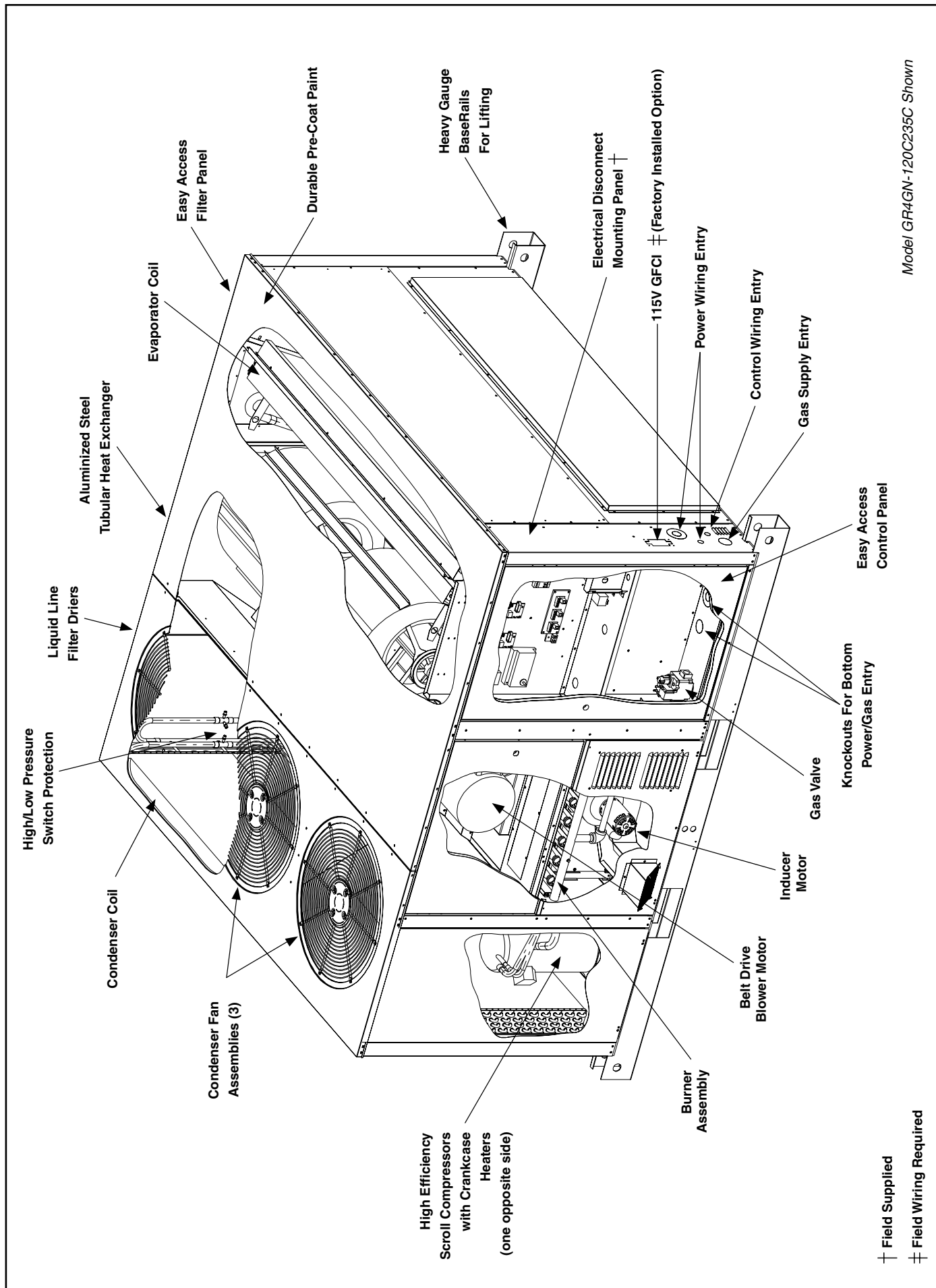
- **Baseraills**
Provide lifting points for ease of installation.
- **Convertible Air Delivery**
Fits most standard applications and easily converts to horizontal airflow with horizontal roof curb.
- **Fully Insulated Bottom Pan**
Helps ensure quiet operation and prevents condensation.
- **Quick-Release Filter Access Panels** Requires no special servicing tools.
- **Hi/Low Pressure Switches**
Ensures long compressor life.
- **18-Gauge Precoated Paint**
Promotes corrosion resistance and long life.
- **Two-Stage Heating and Cooling**
Offers heat ranges from 180,000 to 315,000 Btu/h.
Offers cooling ranges from 69,000/138,000 to 86,000/172,000 Btu/h.
Dual refrigeration circuits.
- **For Easy Service**
Hi/low service ports allow quick access without disrupting operation.
Proven, industry standard components for service and availability.
- **Commercial Warranty**
1 year limited parts
5 year compressor
10 year limited heat exchanger.

FACTORY INSTALLED OPTIONS, CONTACT NORDYNE INSIDE SALES

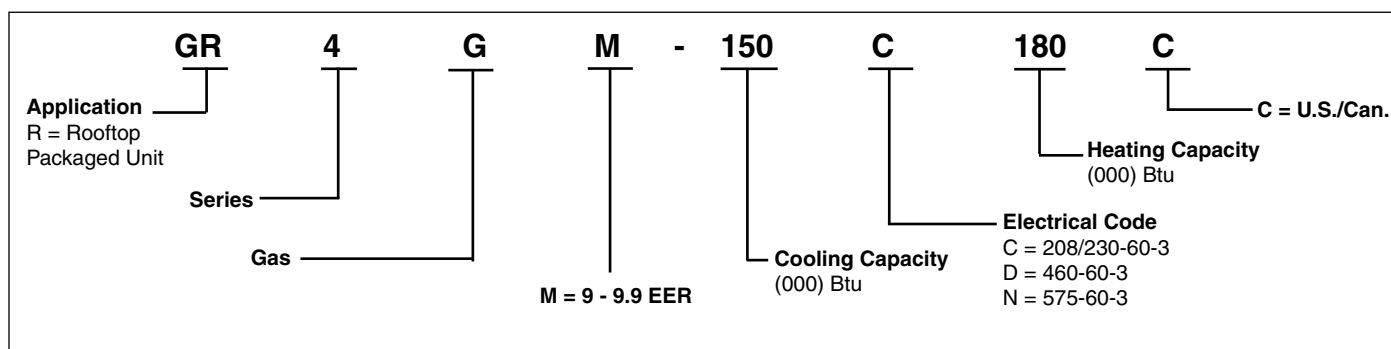
- Economizer
- High Static Drive
- 115V Convenience Outlet

FIELD INSTALLED ACCESSORIES

- Mesh Hail Guard
- Compressor Lockout Protection
- Low Ambient Kit
- Horizontal Return Air Kit
- Economizer
- Fresh Air Kit
- CO2 Sensor
- Duct Smoke Detector
- Ultra Violet Light Kit
- LP Gas Conversion Kit

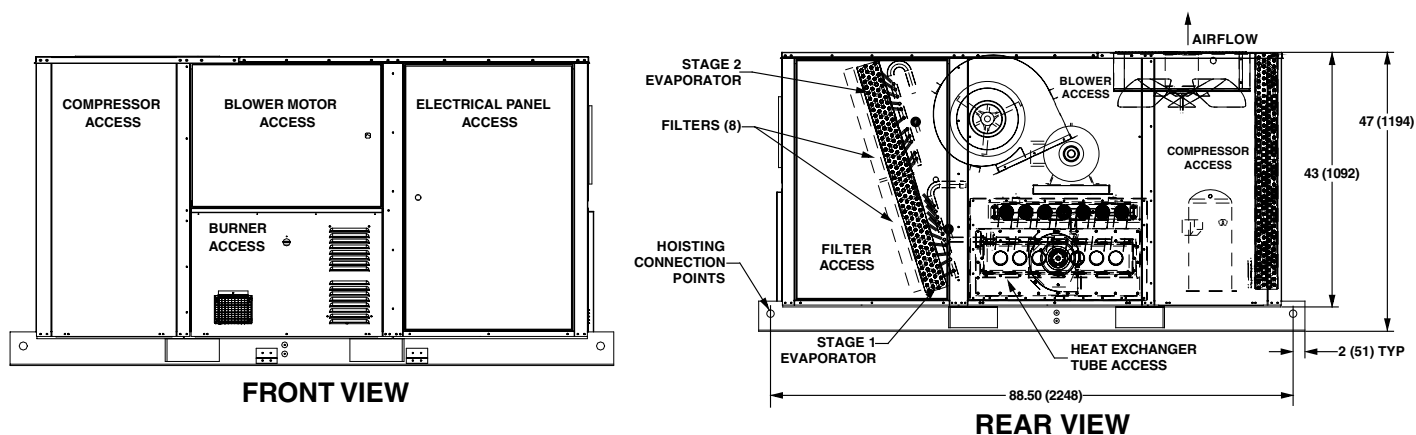
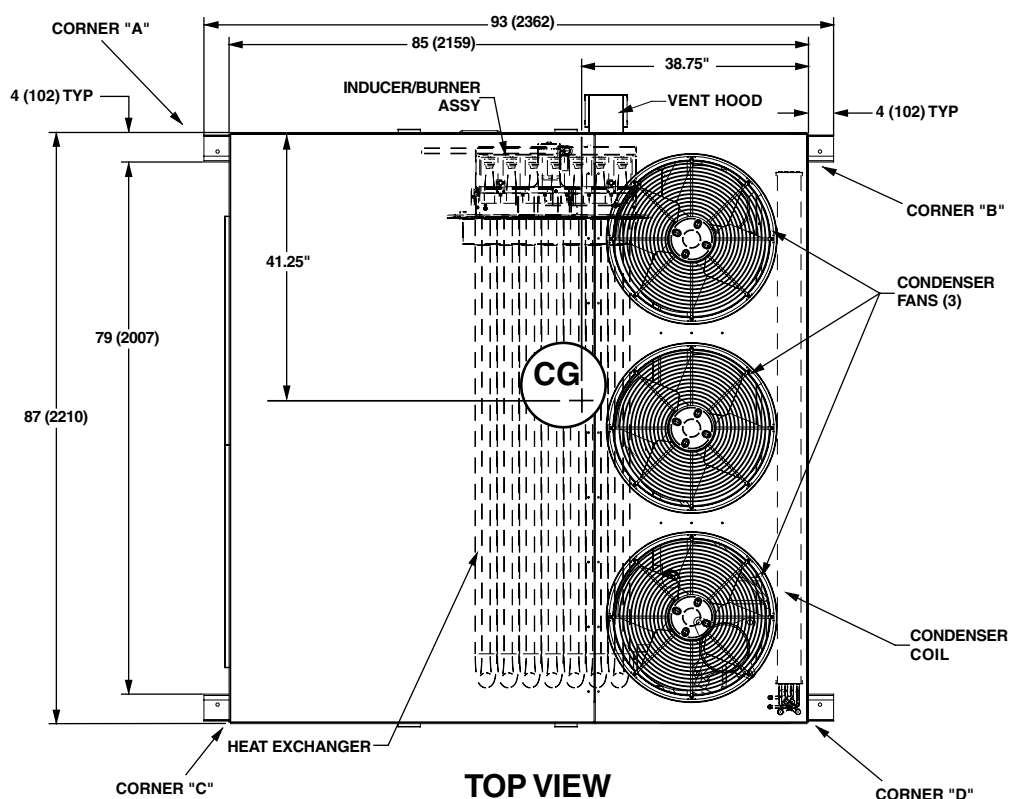


MODEL IDENTIFICATION CODE



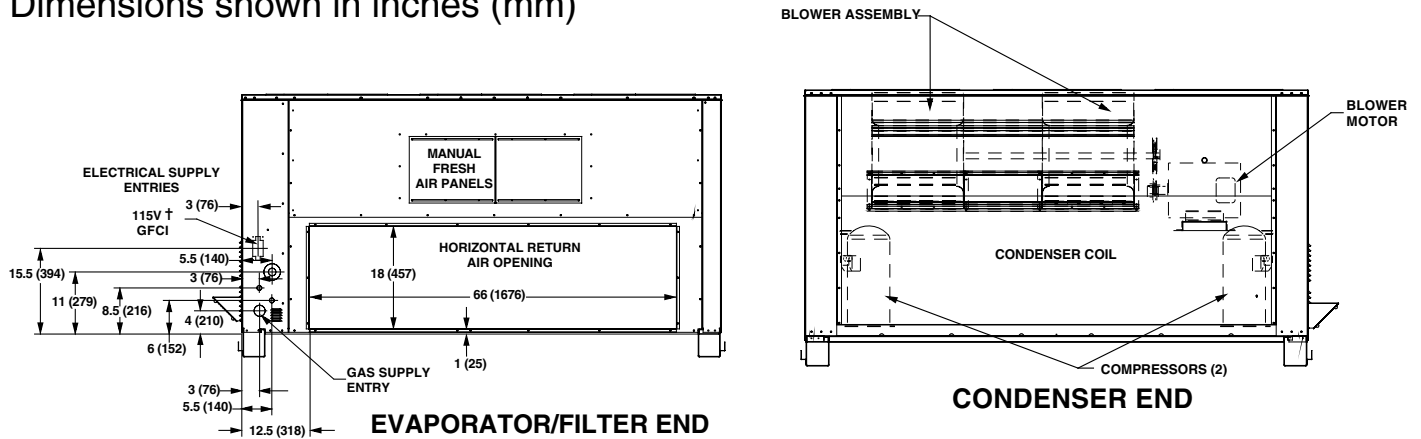
GR4GM-150/180 SERIES – PHYSICAL DATA

Dimensions shown in inches (mm)

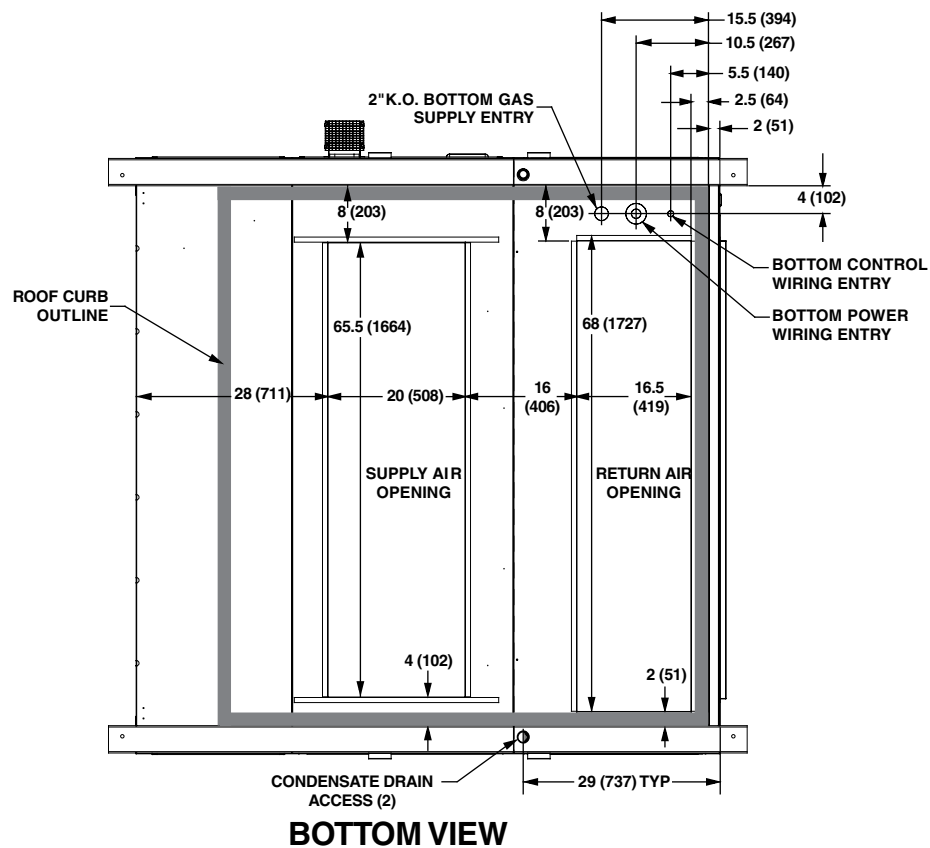


GR4GM-150/180 SERIES – PHYSICAL DATA

Dimensions shown in inches (mm)



† Field wiring required.



Model No.	Weights				Center of Gravity		Corner Weights							
	Unit Wt.‡		Shipping Wt.				A		B		C		D	
	Lbs.	Kg.	Lbs.	Kg.	Inches(mm)	Inches(mm)	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg
R4GM-150*-	1570	714	1770	805	38.75 (984)	41.25 (1048)	376	171	449	204	339	154	405	184
R4GM-180*-	1650	750	1850	841	38 (965)	41 (1041)	390	177	482	219	348	158	430	195

‡ Unit weight without packaging or field installed accessories.

SPECIFICATIONS AND ELECTRICAL DATA

Model R4GM-	150C180C	150D180C	150C270C	150D270C	180C270C	180D270C	180C315C	180D315C
Performance								
Heating Input BTUH (High)-Nat.	180,000	180,000	270,000	270,000	270,000	270,000	315,000	315,000
Heating Output BTUH (High)-Nat.	144,000	144,000	216,000	216,000	216,000	216,000	252,000	252,000
Heating Input BTUH (Low)-Nat.	117,000	117,000	175,000	175,000	175,000	175,000	205,000	205,000
Heating Output BTUH (Low)-Nat.	94,000	94,000	140,000	140,000	140,000	140,000	164,000	164,000
Heating Input BTUH (High)-L.P.	153,000	153,000	230,000	230,000	230,000	230,000	268,000	268,000
Heating Output BTUH (High)-L.P.	122,000	122,000	184,000	184,000	184,000	184,000	214,000	214,000
Heating Input BTUH (Low)-L.P.	100,000	100,000	149,000	149,000	149,000	149,000	174,000	174,000
Heating Output BTUH (Low)-L.P.	80,000	80,000	119,000	119,000	119,000	119,000	139,000	139,000
Capacity-Cooling BTUH (High)	138,000	138,000	138,000	138,000	172,000	172,000	172,000	172,000
Capacity-Cooling BTUH (Low)	69,000	69,000	69,000	69,000	86,000	86,000	86,000	86,000
Heating-Steady State Efficiency	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%
Cooling-Efficiency EER	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
Electrical Rating - 60 Hz.								
Phase	3	3	3	3	3	3	3	3
Operating Voltage	187-253	414-506	187-253	414-506	187-253	414-506	187-253	414-506
Maximum Rated Ampacity	58.6	28.6	58.6	28.6	79.6	39.3	79.6	39.3
Max. Rated Amps w/Power Exhaust (Optional)	68.6	33.6	68.6	33.6	89.6	44.3	89.6	44.3
Minimum Circuit Ampacity (MCA)	63.8	31.1	63.8	31.1	86.8	42.9	86.8	42.9
MCA w/ Power Exhaust (Optional)	73.8	36.1	73.8	36.1	96.8	47.9	96.8	47.9
Max. Overcurrent Protection (MOP)	80	40	80	40	110	50	110	50
MOP w/ Power Exhaust (Optional)	90	50	90	50	120	60	120	60
Compressor Data	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
Compressors (Scrolls)	ZR68KC	ZR68KC	ZR68KC	ZR68KC	ZR84KC	ZR84KC	ZR84KC	ZR84KC
Volts	208/230	460	208/230	460	208/230	460	208/230	460
Rated Load Amps	20.7	10.0	20.7	10.0	28.6	14.2	28.6	14.2
Lock Rotor Amps	156	75	156	75	196	100	196	100
Indoor Blower - Belt Drive			Twin Blower Assembly					
Qty. - Wheel Diameter	2 - 12x12	2 - 12x12	2 - 12x12	2 - 12x12	2 - 12x12	2 - 12x12	2 - 12x12	2 - 12x12
Motor - HP/RPM	3 / 1725	3 / 1725	3 / 1725	3 / 1725	5 / 1725	5 / 1725	5 / 1725	5 / 1725
Motor Amps	8.8	4.4	8.8	4.4	14.0	6.7	14.0	6.7
Airflow Range	3750 - 5000				4500 - 6000			
Outdoor Fan(s)	3 ea.	3 ea.	3 ea.	3 ea.	3 ea.	3 ea.	3 ea.	3 ea.
Motor-HP/RPM	1/2-1075	1/2-1075	1/2-1075	1/2-1075	1/2-1075	1/2-1075	1/2-1075	1/2-1075
Motor Amps	2.8	1.4	2.8	1.4	2.8	1.4	2.8	1.4
Fan Diameter/CFM (High)	22"/9,000	22"/9,000	22"/9,000	22"/9,000	22"/10,000	22"/10,000	22"/10,000	22"/10,000
Refrigerant Charge - oz.								
Stage 1 Circuit	296	296	296	296	272	272	272	272
Stage 2 Circuit	240	240	240	240	208	208	208	208
High Pressure Switch (PSIG)	425 +/- 10 Manual Reset				425 +/- 10 Manual Reset			
Loss of Charge Switch (PSIG)	Cut Out: 5 +/- 5				Cut Out: 5 +/- 5			
	Cut In: 20 +/- 5				Cut In: 20 +/- 5			
Freeze Protection Thermostats	Opens (°F): 28 +/- 5				Opens (°F): 28 +/- 5			
	Closes (°F): 57 +/- 6				Closes (°F): 57 +/- 6			
Filters								
Style	Disposable - 2" Pleated				Disposable - 2" Pleated			
Size (Qty.)	16" x 20" x 2" (8)				16" x 20" x 2" (8)			
Gas Supply Size	3/4"				3/4"			

GR4GM-150(*) COOLING (With One Compressor Operating)

O.D.T			65°F			75°F			85°F			95°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
3900	75	62	76.6	63.5	7.07	74.3	62.4	7.45	71.8	61.2	7.89	69.2	59.8	8.39
	75	67	82.9	47.3	7.18	80.4	46.4	7.56	77.7	45.5	7.98	74.7	44.6	8.49
	75	72	90.9	30.2	7.34	88.0	29.5	7.70	84.6	28.8	8.11	80.7	27.9	8.59
	80	62	80.0	72.0	7.11	77.9	72.1	7.49	75.7	73.8	7.93	73.2	72.5	8.44
	80	67	83.8	63.5	7.18	81.4	62.6	7.56	78.6	61.6	7.98	75.7	60.5	8.49
	80	72	90.3	47.3	7.31	87.7	46.4	7.67	84.8	45.6	8.09	81.7	44.6	8.59
	85	62	85.3	77.7	7.19	83.2	77.6	7.57	80.9	76.8	8.00	78.4	75.4	8.51
	85	67	85.5	76.9	7.20	83.3	75.0	7.57	81.0	72.9	8.01	78.5	70.6	8.51
	85	72	91.5	62.9	7.32	89.0	62.1	7.68	86.1	61.2	8.10	82.9	60.2	8.59
4500	75	62	78.6	67.7	7.10	75.4	67.5	7.47	73.0	65.6	7.91	70.5	63.5	8.41
	75	67	84.3	51.0	7.21	81.7	50.1	7.58	78.9	49.1	8.01	75.9	48.1	8.51
	75	72	90.7	31.6	7.33	88.0	30.8	7.70	85.0	30.0	8.12	81.7	29.2	8.61
	80	62	82.9	74.6	7.17	80.7	76.7	7.55	78.4	76.4	7.98	75.8	75.8	8.49
	80	67	85.6	68.8	7.22	83.1	67.7	7.59	80.3	66.5	8.01	77.5	65.2	8.51
	80	72	92.2	50.0	7.35	89.5	49.2	7.71	86.5	48.3	8.12	83.3	47.3	8.62
	85	62	88.5	82.9	7.25	86.3	82.2	7.63	83.8	80.9	8.06	81.2	79.0	8.56
	85	67	88.6	79.8	7.26	86.4	77.8	7.63	84.0	75.6	8.06	81.3	73.2	8.56
	85	72	93.3	68.6	7.35	90.6	67.7	7.71	87.7	66.7	8.13	84.5	65.6	8.62
5100	75	62	79.6	71.6	7.12	77.4	69.6	7.50	75.0	67.5	7.94	72.4	65.2	8.44
	75	67	85.4	54.5	7.23	82.8	53.5	7.60	79.9	52.5	8.02	76.8	51.4	8.52
	75	72	91.6	32.9	7.35	88.8	32.2	7.72	85.8	31.4	8.13	82.5	30.5	8.62
	80	62	85.3	78.9	7.21	83.1	78.9	7.59	80.6	80.6	8.02	77.9	77.9	8.52
	80	67	87.2	73.2	7.25	84.6	71.9	7.62	82.0	70.4	8.04	78.7	67.8	8.53
	80	72	93.3	53.6	7.37	90.6	52.7	7.73	87.6	51.8	8.15	84.3	50.8	8.63
	85	62	91.1	88.3	7.31	88.8	86.7	7.68	86.3	84.8	8.10	83.5	82.4	8.60
	85	67	91.2	82.1	7.31	88.9	80.0	7.68	86.4	77.8	8.11	83.6	75.3	8.60
	85	72	94.8	73.7	7.38	92.1	72.7	7.74	89.0	71.6	8.16	85.8	70.3	8.65

GR4GM-150(*) COOLING (With Two Compressors Operating)

O.D.T			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
3900	75	62	127.0	85.5	13.06	122.2	83.6	14.17	116.9	81.5	15.45	110.9	78.9	16.95
	75	67	138.6	67.1	13.34	133.1	65.2	14.45	127.4	63.2	15.74	120.2	60.7	17.27
	75	72	155.4	47.0	13.77	149.3	45.4	14.88	143.1	43.6	16.19	134.5	41.4	17.76
	80	62	128.0	102.8	13.06	123.2	103.8	14.17	118.1	107.3	15.46	112.0	105.8	16.97
	80	67	139.5	84.9	13.35	134.3	83.0	14.46	128.6	80.9	15.75	121.5	78.4	17.29
	80	72	151.5	65.6	13.65	145.8	63.8	14.77	139.6	61.9	16.07	131.7	59.4	17.64
	85	62	130.5	118.7	13.10	126.5	118.0	14.24	122.2	116.0	15.55	116.8	112.4	17.11
	85	67	140.5	101.8	13.35	135.3	99.9	14.47	129.6	97.8	15.76	122.5	95.1	17.31
	85	72	152.8	83.3	13.67	147.2	81.5	14.79	141.0	79.5	16.09	132.8	76.9	17.66
4500	75	62	130.7	92.2	13.15	125.7	90.2	14.26	120.2	88.0	15.54	113.6	85.3	17.04
	75	67	142.2	71.3	13.43	136.7	69.4	14.55	130.7	67.3	15.83	123.1	64.7	17.36
	75	72	159.0	48.8	13.86	152.9	47.2	14.98	146.0	45.4	16.28	137.1	43.1	17.85
	80	62	132.3	111.6	13.17	127.4	115.7	14.28	122.1	115.9	15.57	115.8	114.5	17.09
	80	67	143.7	91.1	13.45	138.1	89.2	14.57	132.3	87.0	15.86	124.5	84.3	17.40
	80	72	155.6	69.6	13.76	149.7	67.8	14.87	143.1	65.9	16.17	134.6	63.2	17.75
	85	62	137.3	128.7	13.27	133.1	126.8	14.41	128.4	123.8	15.73	122.4	119.2	17.30
	85	67	144.7	110.9	13.46	139.3	108.8	14.57	133.4	106.6	15.87	125.9	103.7	17.42
	85	72	156.9	90.1	13.78	151.0	88.3	14.90	144.5	86.2	16.20	136.0	82.8	17.78
5100	75	62	133.8	98.7	13.22	128.6	96.6	14.33	122.9	94.3	15.61	116.0	91.4	17.12
	75	67	145.1	75.3	13.51	139.3	73.4	14.62	133.1	71.3	15.90	125.4	68.6	17.44
	75	72	161.7	50.5	13.94	155.2	48.8	15.05	148.3	47.1	16.35	138.7	44.7	17.91
	80	62	136.1	122.7	13.26	131.2	122.8	14.38	125.6	125.6	15.67	119.6	119.6	17.22
	80	67	146.9	97.5	13.53	141.2	95.5	14.65	135.0	93.3	15.93	126.9	90.4	17.48
	80	72	158.5	73.6	13.83	152.4	71.8	14.95	145.6	69.7	16.25	136.9	67.0	17.83
	85	62	143.1	138.6	13.42	138.6	135.3	14.56	133.6	131.2	15.87	127.1	125.4	17.46
	85	67	148.2	119.5	13.55	142.6	117.3	14.66	136.6	114.8	15.96	128.9	111.4	17.53
	85	72	160.6	95.8	13.87	154.4	93.9	14.99	147.5	91.8	16.28	138.3	88.9	17.86

T.C.- Total net cooling capacity (mbtuh).

S.C.- Sensible cooling capacity (mbtuh).

GR4GM-0180(*) COOLING (With One Compressor Operating)

O.D.T			65°F			75°F			85°F			95°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
4800	75	62	99.2	70.4	9.19	96.3	70.7	9.63	92.7	70.1	10.12	89.4	68.8	10.70
	75	67	106.8	49.6	9.30	103.5	49.0	9.73	99.8	48.4	10.21	95.8	47.7	10.78
	75	72	116.4	44.6	9.44	112.8	43.6	9.87	109.1	42.5	10.34	104.7	41.2	10.90
	80	62	105.0	88.2	9.26	102.2	86.7	9.69	99.1	84.8	10.18	95.7	83.3	10.76
	80	67	107.9	62.2	9.30	104.8	63.9	9.72	101.1	65.6	10.21	97.2	66.2	10.78
	80	72	116.3	49.1	9.42	112.9	48.6	9.85	109.1	48.1	10.32	104.8	47.4	10.87
	85	62	111.7	106.1	9.34	108.8	104.8	9.76	105.6	102.7	10.25	102.1	100.0	10.82
	85	67	111.9	86.1	9.35	109.0	85.2	9.76	105.8	83.8	10.25	102.3	82.1	10.82
	85	72	117.2	57.5	9.40	113.9	56.4	9.84	110.0	55.2	10.31	105.8	54.0	10.87
5400	75	62	101.3	80.2	9.24	98.5	79.0	9.66	95.3	77.6	10.16	91.9	76.0	10.73
	75	67	108.2	53.9	9.32	104.8	53.3	9.74	101.1	52.7	10.23	97.0	52.0	10.80
	75	72	117.4	52.2	9.45	114.0	45.4	9.89	110.1	44.3	10.35	105.7	43.0	10.91
	80	62	108.1	97.8	9.30	105.2	95.6	9.73	102.0	93.9	10.22	98.5	91.4	10.79
	80	67	109.8	75.4	9.33	106.7	76.4	9.75	103.0	77.2	10.23	99.0	79.1	10.80
	80	72	117.6	53.5	9.44	114.3	53.0	9.87	110.3	52.4	10.33	106.0	51.7	10.89
	85	62	115.1	111.9	9.37	112.1	109.6	9.82	108.8	107.3	10.29	105.2	104.0	10.86
	85	67	115.2	96.7	9.38	112.3	95.1	9.82	109.0	93.1	10.29	105.3	90.8	10.86
	85	72	119.1	65.2	9.43	115.6	64.2	9.86	111.6	63.6	10.33	107.4	64.2	10.89
6000	75	62	103.7	86.4	9.27	100.8	85.6	9.69	97.5	83.9	10.18	94.0	83.5	10.76
	75	67	109.3	58.2	9.34	105.9	57.6	9.76	102.1	57.0	10.24	98.0	56.2	10.81
	75	72	118.4	48.1	9.47	115.0	47.2	9.90	111.0	46.0	10.37	106.6	44.8	10.92
	80	62	110.8	106.0	9.35	107.8	104.3	9.76	104.4	101.5	10.25	100.8	99.0	10.82
	80	67	111.7	86.2	9.37	107.7	88.0	9.77	104.5	88.2	10.26	100.9	87.8	10.82
	80	72	118.7	57.8	9.45	115.4	57.3	9.88	111.4	56.7	10.35	107.0	56.0	10.90
	85	62	117.9	116.6	9.42	115.0	114.4	9.85	111.5	111.0	10.33	107.7	107.4	10.89
	85	67	118.1	107.6	9.42	115.1	106.3	9.86	111.6	103.5	10.33	107.9	101.2	10.89
	85	72	120.6	75.4	9.46	117.2	76.1	9.88	113.3	77.1	10.35	109.0	76.9	10.91

GR4GM-0180(*) COOLING (With Two Compressors Operating)

O.D.T			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
4800	75	62	161.2	85.7	16.62	154.6	86.3	17.86	147.3	85.4	19.26	137.8	84.9	20.99
	75	67	176.3	62.6	16.97	168.6	61.2	18.20	160.5	59.7	19.64	150.3	57.8	21.37
	75	72	192.2	67.8	17.35	184.3	65.2	18.60	175.1	62.2	20.06	164.0	58.8	21.79
	80	62	161.9	125.1	16.61	155.3	124.2	17.85	148.2	122.8	19.26	139.1	121.0	21.01
	80	67	176.0	70.4	16.94	168.8	72.9	18.19	160.7	75.5	19.62	150.5	76.1	21.35
	80	72	191.8	61.6	17.32	183.9	60.3	18.56	174.9	58.8	20.03	163.8	57.0	21.76
	85	62	166.9	158.6	16.70	161.3	155.3	17.98	155.2	150.8	19.44	147.1	144.0	21.22
	85	67	176.5	109.6	16.93	169.3	110.1	18.17	161.3	110.1	19.61	151.1	109.4	21.34
	85	72	191.8	61.9	17.30	184.1	60.1	18.54	174.9	57.9	20.00	163.7	56.0	21.74
5400	75	62	165.0	101.7	16.70	157.9	101.6	17.94	150.4	101.3	19.33	140.5	100.5	21.08
	75	67	179.3	67.2	17.05	171.8	65.8	18.28	163.3	64.0	19.72	152.7	62.2	21.42
	75	72	195.7	79.5	17.43	187.6	67.2	18.68	178.0	64.2	20.14	166.6	60.7	21.87
	80	62	166.1	146.1	16.71	159.5	143.8	17.95	152.7	140.6	19.40	144.4	134.0	21.15
	80	67	179.8	89.1	17.03	172.2	90.5	18.27	163.8	91.9	19.71	153.2	95.7	21.41
	80	72	195.5	66.1	17.41	187.1	64.8	18.64	177.8	63.3	20.11	166.2	61.6	21.83
	85	62	174.1	169.3	16.87	168.1	164.3	18.14	161.4	159.1	19.62	152.8	151.2	21.38
	85	67	180.5	132.3	17.03	173.1	131.7	18.27	164.7	130.6	19.71	154.5	128.6	21.42
	85	72	195.6	70.8	17.38	187.5	68.9	18.63	177.9	68.0	20.09	166.6	69.0	21.82
6000	75	62	167.9	116.3	16.77	160.7	116.8	18.01	152.9	116.0	19.43	142.9	116.7	21.12
	75	67	182.1	71.4	17.11	174.4	70.1	18.35	165.6	68.6	19.79	154.8	66.7	21.47
	75	72	198.6	71.7	17.50	190.3	69.1	18.75	180.3	66.1	20.21	168.6	62.6	21.93
	80	62	170.5	163.2	16.81	164.4	159.2	18.07	157.7	153.3	19.54	148.9	146.2	21.34
	80	67	182.7	105.8	17.10	175.0	108.4	18.35	166.3	110.5	19.78	155.5	111.8	21.47
	80	72	198.3	70.7	17.47	189.9	69.4	18.71	179.9	67.6	20.17	168.3	65.9	21.90
	85	62	180.2	178.2	17.02	173.9	173.1	18.29	166.8	166.1	19.77	157.8	157.3	21.55
	85	67	184.1	156.0	17.11	176.5	155.4	18.36	168.0	152.7	19.80	158.1	148.2	21.56
	85	72	198.7	84.3	17.46	190.4	85.4	18.70	180.5	87.1	20.16	168.9	87.1	21.89

T.C.- Total net cooling capacity (mbtuh).

S.C.- Sensible cooling capacity (mbtuh).

BLOWER PERFORMANCE R4GM-150 SERIES

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.3			0.4			0.5			0.6			0.7			0.8		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R4GM-150 (3 HP) Low Static Drive Kit	Fully Closed																		
	1 Turn Open																5200	1104	2.73
	2 Turns Open																5200	1068	2.47
	3 Turns Open																4700	1030	2.16
	4 Turns Open																3900	995	1.85
	5 Turns Open	5300	914	1.95	5000	915	1.84	4650	916	1.73	4300	917	1.62	3700	918	1.43			

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		1.1			1.2			1.3			1.4			1.5			1.6		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R4GM-150 (5 HP) High Static Drive Kit	Fully Closed																		
	1 Turn Open																		
	2 Turns Open																		
	3 Turns Open																		
	4 Turns Open	5350	1188	3.2	5000	1189	3.00	4600	1190	2.75	4200	1191	2.60	3700	1192	2.3			
	5 Turns Open	4850	1148	2.75	4400	1148	2.50	3900	1149	2.30									

NOTES: Boldface type indicates factory recommended blower operating range.
Values include losses for air filters, unit casing, and dry evaporator coil.

See Accessory Performance Data table for additional static pressure information.

BLOWER PERFORMANCE

R4GM-180 SERIES

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.3			0.4			0.5			0.6			0.7			0.8		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R4GM-180 (5 HP) Low Static Drive Kit	Fully Closed																6250	1218	3.79
	1 Turn Open													6400	1174	3.66	6100	1175	3.51
	2 Turns Open										6350	1139	3.52	6050	1140	3.38	5800	1140	3.23
	3 Turns Open							6300	1102	3.26	6050	1103	3.13	5700	1104	3.00	5450	1105	2.86
	4 Turns Open							6000	1067	2.88	5750	1067	2.76	5400	1068	2.64	5050	1069	2.50
	5 Turns Open	6200	1028	2.84	5900	1029	2.73	5600	1030	2.61	5600	1030	2.45	5100	1031	2.33	4600	1032	2.21

Model	Motor Sheave Position	1.1			1.2			1.3			1.4			1.5			1.6		
		1.7			1.8			1.9			2.0			2.1			2.2		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R4GM-180 (5 HP) High Static Drive Kit	Fully Closed																		
	1 Turn Open																		
	2 Turns Open																		
	3 Turns Open	5800	1228	3.65	5500	1230	3.5	5100	1231	3.30	4800	1232	3.10	4400	1233	2.87			
	4 Turns Open	5350	1188	3.2	5000	1189	3.00	4600	1190	2.75	4200	1191	2.6						
	5 Turns Open	4850	1148	2.75	4400	1148	2.5												

NOTES: Boldface type indicates factory recommended blower operating range.
Values include losses for air filters, unit casing, and dry evaporator coil.

See *Accessory Performance Data table for additional static pressure information.*

GR4GM-150/180(*) Accessory Performance Data

Model No.	Air Volume (CFM)	Total Resistance (inches water column)						
		Wet Evaporator Coil	Downflow Economizer	Horizontal Economizer	Step Down Diffuser System	* Throw Feet	Flush Mount Diffuser System	* Throw Feet
GR4GM-150	4000	0.11	0.08	0.05	0.28	23-28	0.27	21-29
	4200	0.12	0.08	0.05	0.29	24-29	0.28	22-30
	4400	0.13	0.09	0.05	0.30	25-30	0.30	23-31
	4600	0.14	0.09	0.06	0.31	26-31	0.31	25-33
	4800	0.15	0.10	0.06	0.32	27-32	0.32	26-34
	5000	0.16	0.10	0.06	0.34	28-33	0.34	27-35
	5200	0.17	0.11	0.07	0.36	28-34	0.36	29-38

Model No.	Air Volume (CFM)	Total Resistance (inches water column)						
		Wet Evaporator Coil	Down Flow Economizer	Horizontal Economizer	Step Down Diffuser System	* Throw Feet	Flush Mount Diffuser System	* Throw Feet
GR4GM-180	4800	0.15	0.10	0.06	0.27	29-37	0.27	16-24
	5000	0.16	0.10	0.06	0.29	32-40	0.29	19-27
	5200	0.17	0.11	0.07	0.32	33-42	0.31	22-30
	5400	0.18	0.11	0.07	0.35	36-45	0.33	26-34
	5600	0.19	0.13	0.07	0.36	39-49	0.36	30-39
	5800	0.21	0.13	0.08	0.39	42-51	0.39	35-44
	6000	0.23	0.15	0.08	0.42	44-54	0.42	40-50

Bold italicized numbers indicate factory blower setting.

* The distance the air from the grille travels from the diffuser before it slows down to 50 ft. per minute. All sides open.

ACCESSORIES - 12-1/2 and 15 Ton GR4GM

NORDYNE Part#	Description	GR4GM -150	GR4GM -180
555617	Hinged Roof Curb 8" High - K/D	X	X
555618	Hinged Roof Curb 14" High - K/D	X	X
555619	Hinged Roof Curb 18" High - K/D (Special Order)	X	X
555620	Hinged Roof Curb 24" High - K/D (Special Order)	X	X
555621	Economizer - Modulating w/ Relief, Adapts Horizontal	X	X
555622	Power Exhaust - Prop (208-230v/3ph), Adapts Horizontal (Special Order)	X	X
555623	Power Exhaust - Prop (460v/3ph), Adapts Horizontal (Special Order)	X	X
555631	Horizontal Roof Curb - 24" High (Special Order)	X	X
555632	Horizontal Roof Curb w/ Supply Duct- 24" High (Special Order)	X	X
555633	0-35% Motorized Damper - Only (Special Order) (Requires Kit 919275)	X	X
919275	Manual Fresh Air Kit (Panel & Hood)	X	X
555635	18" x 32" Supply & Return Transition (Special Order)	X	
555636	18" x 36" Supply & Return Transition (Special Order)		X
555637	18" x 32" Flush Mount Concentric Diffuser (Special Order)	X	
555638	18" x 36" Flush Mount Concentric Diffuser (Special Order)		X
555639	18" x 32" Step Down Concentric Diffuser (Special Order)	X	
555640	18" x 36" Step Down Concentric Diffuser (Special Order)		X
919129	Mesh Hail Guard Kit	X	X
555641	Hooded Hail Guard (Special Order)	X	X
555642	2" Expanded Metal Coil Guard (Special Order)	X	X
547892	Duct Smoke Detect. Photo Elect.	X	X
547893	Multi-signal control SSK 451	X	X
547894	Sampling Tube ST3, 2-4 ft.	X	X
547895	Sampling Tube ST5, 4-8 ft.	X	X
917159	Thermostat-2 stage Heat/Cool	X	X
918725	Ultra-Violet Light Kit, IL60 (Requires Nordyne P/N-918801)	X	X
918801	U.V. Light Mounting Bracket Kit, 12.5/15T	X	X
918726	Replacement UV Bulb , IL60	X	X
918797	Low Ambient Kit	X	X
918798	LP Gas / High Elevation Conversion Kit	X	X
918799	High Static Blower Drive Kit-12.5 Ton	X	
918800	High Static Blower Drive Kit-15 Ton		X
919128	Current Sensing Compressor Lockout Kit	X	X
919251	Horizontal Return Air Panel Kit	X	X
920233	Differential Enthalp Control	X	X
920317	CO2 Sensor - Wall Mount	X	X
920318	CO2 Sensor - Duct Mount	X	X



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