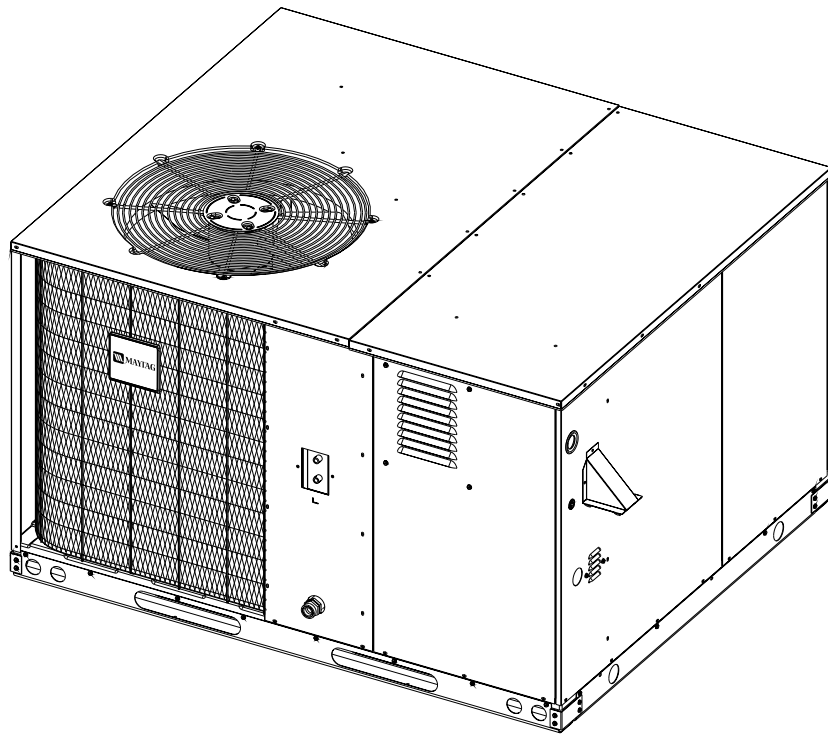




# TECHNICAL SPECIFICATIONS

## *Model R4GA Series*



M1000 Product Line

**Single Packaged Gas/Electric Units  
10 SEER — 2 - 5 Ton Units**

- **10 YEAR WARRANTY**
- **WORRY-FREE PERFORMANCE**

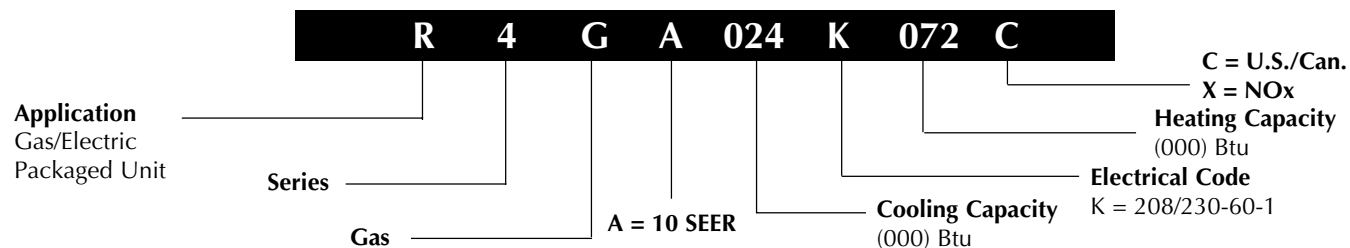


The R4GA Series single packaged gas/electrics are high efficiency self contained cooling units that can be installed on the roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed. The unit is truly designed with the contractor and the consumer in mind.

### Features and Benefits

- **Compact Footprint/Low Profile**  
Easy to handle and transport.
- **Heavy-Gauge, Full Perimeter Base Rails**  
Facilitates forklift handling and curb mounting.
- **Convertible Air Delivery**  
Horizontal or downflow to accommodate rooftop or horizontal application.
- **Galvanized Steel Cabinet**  
Polyurethane finish provides 950 hours salt spray protection.
- **Plastic Coated Coil Guard and Mesh Hail Guard**  
Will never rust and protects the coil from being damaged by balls, lawnmowers, hail etc.
- **Externally Accessible Service Ports**  
Quick access to refrigerant system without disrupting operation.
- **Access to Controls and Major Components**  
Easy in and out service.
- **Corrosion-Resistant Drain Pan**  
Quickly drains away evaporator condensate.
- **Smaller Panels, Great Fit and Finish, Total Seal**  
Well-designed, quality construction. Drip edge on top panels whisks away rainwater. Embossed bottom pan keeps blower component compartment dry.
- **Proven, Industry Standard Components**  
Easier service and availability.
- **Quiet Operation and Low Vibration**  
20" fan blade combined with custom venturi condenser fan.
- **Accessories**  
Roof curbs and more.
- **10 Year Residential Parts Warranty**  
The best warranty in the business.

# IDENTIFICATION CODE



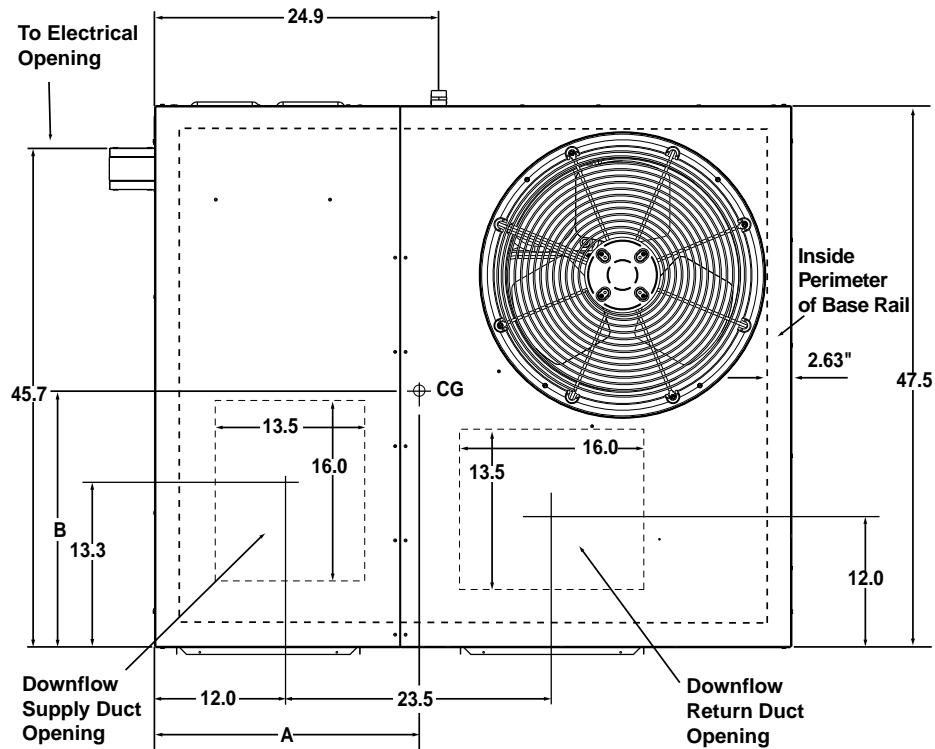
# SPECIFICATIONS AND ELECTRICAL DATA

## Single Phase

Model R4GA-	024K045( )	024K072C	030K045( )	030K072( )	036K072( )	036K096( )	042K072( )	042K096( )	048K096( )	048K120C	060K096( )	060K120C
<b>Performance</b>												
Heating Input BTUH	45,000	72,000	45,000	72,000	72,000	96,000	72,000	96,000	96,000	120,000	96,000	120,000
Heating Output BTUH	35,000	56,000	35,000	56,000	56,000	75,000	56,000	75,000	75,000	94,000	75,000	94,000
Capacity -Cooling BTUH	24,000	24,000	28,500	28,500	35,500	35,500	40,000	40,000	46,000	46,000	58,000	58,000
AFUE	78	78	78	78	78	78	78	78	78	78	78	78
Efficiency - SEER	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Efficiency - EER	10.3	10.3	9.3	9.3	9.3	9.3	9.7	9.7	9.6	9.6	8.9	8.9
<b>Electrical Rating - 60 Hz</b>												
Phase	1	1	1	1	1	1	1	1	1	1	1	1
Operating Voltage Range	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253
Minimum Circuit Ampacity	16.1	16.1	21.6	21.6	25.1	25.1	28.1	28.1	30.7	30.7	42.8	42.8
Max. Over-current Protection	25	25	35	35	40	40	45	45	50	50	60	60
<b>Compressor Data</b>												
Volts	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230
Rated Load Amps	10.9	10.9	15.3	15.3	16.6	16.6	19	19	20.4	20.4	30.1	30.1
Lock Rotor Amps	56	56	75	75	96	96	105	105	102	102	144	144
<b>Indoor Blower</b>												
Wheel Diameter	10x6				10x10				11x10			
Type / No. of Speeds	DD / 3	DD / 3	DD / 3	DD / 3	DD / 3	DD / 3	DD / 3	DD / 3	DD / 4	DD / 4	DD / 4	DD / 4
Motor - HP / RPM	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/2 - 1100	1/2 - 1100	1/2 - 1100	1/2 - 1100	3/4 - 1100	3/4 - 1100	3/4 - 1100	3/4 - 1100
Motor - Amps	1.3	1.3	1.3	1.3	3.1	3.1	3.1	3.1	4.0	4.0	4.0	4.0
<b>Outdoor Fan</b>												
Motor - HP / RPM	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825	1/4 - 825
Motor - Amps	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Fan Diameter / CFM	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500
<b>Refrigerant Charge - oz.</b>	70	70	65	65	60	60	73	73	93	93	88	88

Can be "C" or "X"

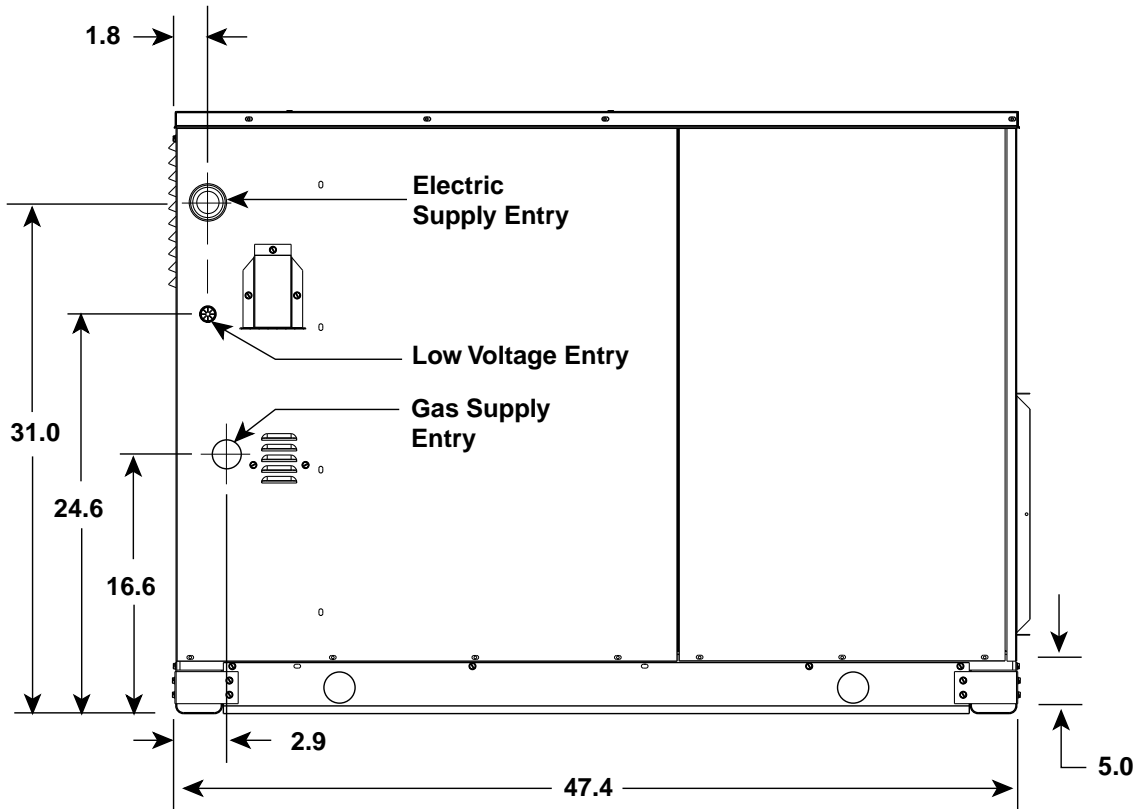
# DIMENSIONS



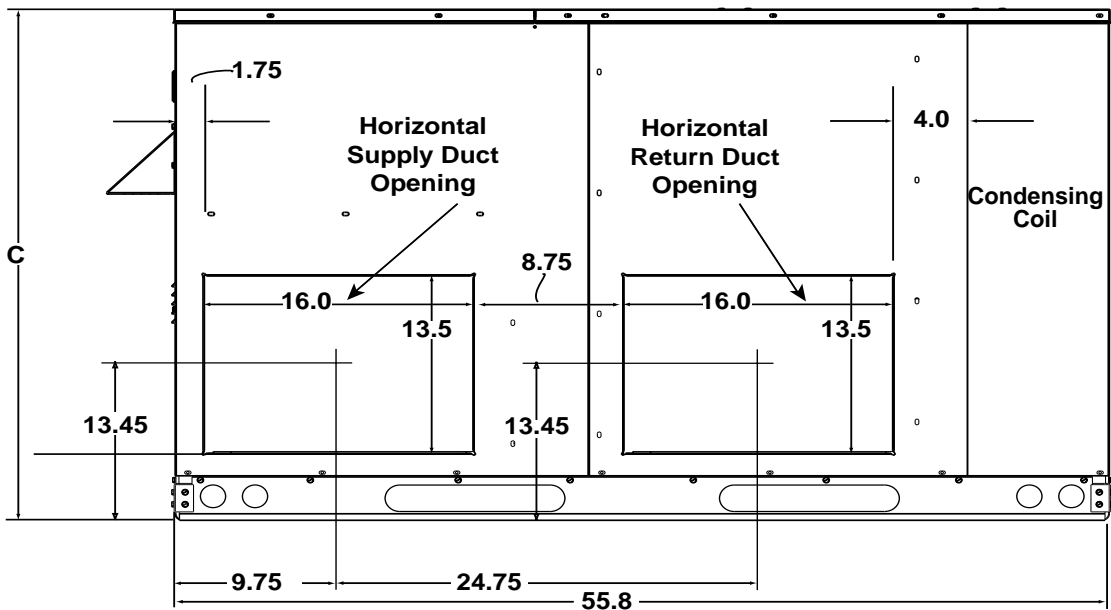
Top View

Model Number R4GA-	Unit Weight	Shipping Weight	Center of Gravity		Height (in inches)	
			A	B	C	
					with base rails	without base rails
024K045( )	387	457	25.5	26.5	36.0	31.3
024K072C	395	465	25.0	26.5	36.0	31.3
030K045( )	391	461	25.5	27.0	36.0	31.3
030K072( )	399	469	25.0	27.0	36.0	31.3
036K072( )	422	492	25.5	27.0	36.0	31.3
036K096( )	428	498	25.0	27.0	36.0	31.3
042K072( )	430	500	25.5	27.0	36.0	31.3
042K096( )	440	510	25.5	27.0	36.0	31.3
048K096( )	463	533	26.0	27.0	40.0	35.3
048K120C	465	538	25.5	27.0	40.0	35.3
060K096( )	490	560	26.0	27.0	40.0	35.3
060K120C	495	565	25.5	27.0	40.0	35.3

# DIMENSIONS continued



Side View



Back View

# AIRFLOW DATA

Model Number R4GA-	Heating Input (Btuh)	Heating Output (Btuh)	Heating Rise Range (F)	Cooling Output (Btuh)	Motor Speed	Blower Size	Motor HP	External Static Pressure (Inches Water Column)																							
								0.1		0.2		0.3		0.4		0.5		0.6		0.7		0.8									
								CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise						
024K045(†)	45,000	35,000	30-60	24,000	High Medium Low**	10 X 6	1/4	1172	-	1109	-	1043	31	975	33	903	36	829	39	752	43	672	48	596	54	403	-				
024K072C	72,000	56,000	40-70	24,000	High Medium Low**	10 X 6	1/4	1160	45	1102	47	1041	50	976	53	908	57	837	62	762	68	684	-	613	-	427	-				
030K045(†)	45,000	35,000	30-60	28,500	High** Medium Low*	10 X 6	1/4	1172	-	1109	-	1043	31	975	33	903	36	829	39	752	43	672	48	596	54	403	-				
030K072(†)	72,000	56,000	40-70	28,500	High** Medium Low*	10 X 6	1/4	1160	45	1102	47	1041	50	976	53	908	57	837	62	762	68	684	-	613	-	427	-				
036K072(†)	72,000	56,000	40-70	35,500	High Medium Low**	10 X 10	1/2	1852	-	1775	-	1687	-	1590	-	1482	-	1365	40	1237	44	1100	49	1010	52	865	62				
036K096(†)	96,000	75,000	45-75	35,500	High Medium Low**	10 X 10	1/2	1736	-	1650	-	1558	-	1460	-	1357	40	1247	44	1131	48	1010	52	865	62	788	-				
042K072(†)	72,000	56,000	40-70	40,000	High Medium** Low*	10 X 10	1/2	1427	-	1361	40	1290	42	1214	45	1134	48	1049	52	959	56	865	62	788	-	788	-				
042K096(†)	96,000	75,000	45-75	40,000	High Medium** Low	10 X 10	1/2	1697	-	1600	-	1503	46	1406	49	1309	53	1212	57	1115	62	1018	68	952	73	788	-				
048K096C	96,000	75,000	45-75	46,000	High Med-High Med-Low**	11 X 10	3/4	2393	-	2307	-	2220	-	2134	-	2047	-	1961	-	1874	-	1787	-	1625	47	1351	55				
048K120(†)	120,000	94,000	45-75	46,000	High Med-High Med-Low**	11 X 10	3/4	2061	-	1989	-	1917	45	1845	47	1773	49	1701	51	1628	53	1556	56	1295	67	1025	72				
060K096(†)	96,000	75,000	45-75	58,000	High Med-High** Med-Low*	11 X 10	3/4	2393	-	2307	-	2220	-	2134	-	2047	-	1961	-	1874	-	1787	-	1625	47	1351	55				
060K120C	120,000	94,000	45-75	58,000	High Med-High** Med-Low*	11 X 10	3/4	2061	-	1989	-	1917	45	1845	47	1773	49	1701	51	1628	53	1556	56	1295	67	1025	72				

\* - Factory Set Heating Speed  
 \*\* - Factory Set Cooling Speed  
 † - Can be C, or X

## ACCESSORIES

Description	Part Number
Roof Curb (8")	547830
Roof Curb (14")	547831
Roof Curb (18")	547850
Roof Curb (24")	547851
Filter Rack, All Downflow Applications (not required with economizer)	547885
Filter Kit (not required with economizer) for Horizontal Applications R4GA 024 - 042	547886
Filter Kit (not required with economizer) for Horizontal Applications R4GA 048 - 060	547888
Universal Hard Start Kit	912933
Low Pressure Switch Kit	913551
High Pressure Switch Kit	913550
Low Ambient Kit	913549A
P-Trap Kit	913810
U.S. LP Gas Conversion Kit (0 ft to 10,000 ft above sea level)	903616
Canadian LP Gas Conversion Kit (0 to 4,500 ft above sea level)	903617



Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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