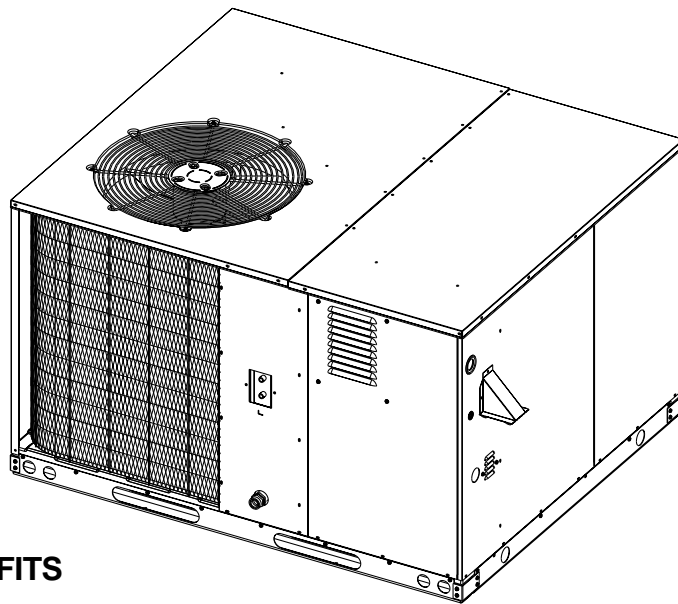

TECHNICAL SPECIFICATIONS

R4GA Series

Single Packaged Gas/Electric Units

R4GA 10 SEER 2 Ton thru 5 Ton Units

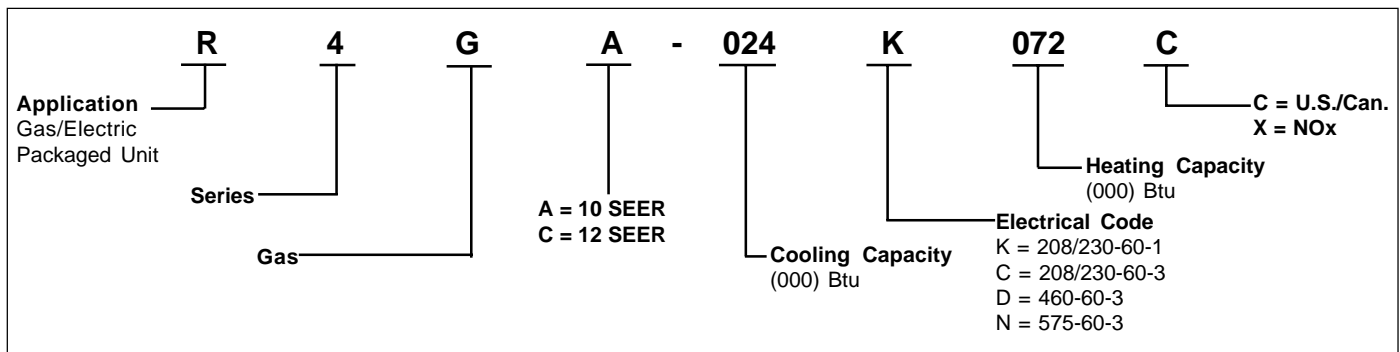
The R4G Series single packaged gas/electrics are high efficiency self contained cooling units that can be installed on the roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed. The unit is truly designed with the contractor and the consumer in mind.



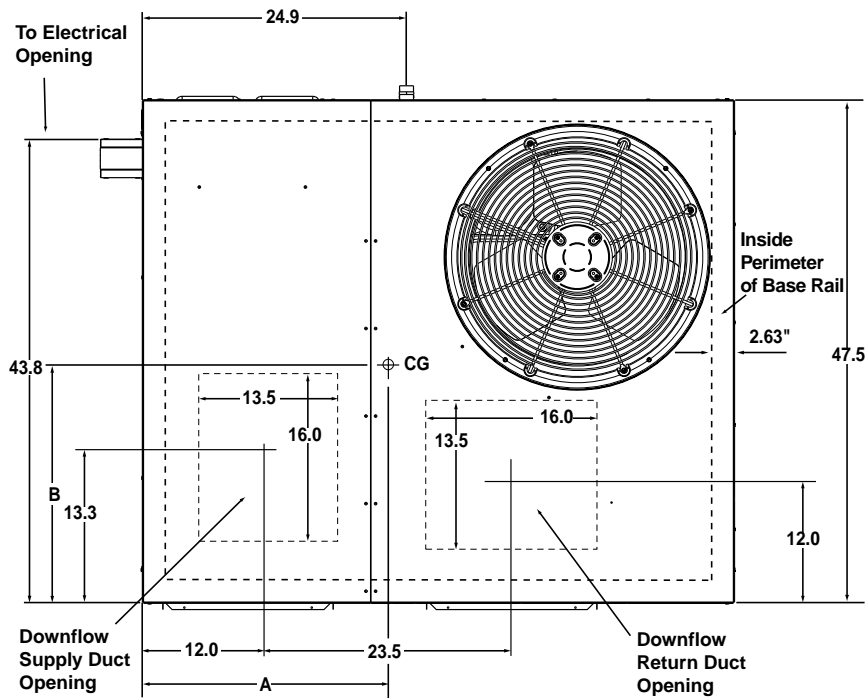
FEATURES AND BENEFITS

- **Compact Footprint/Low Profile**
Easy to handle and transport.
- **Externally Accessible Service Ports**
Quick access to refrigerant system without disrupting operation.
- **Proven, Industry Standard Components**
Easier service and availability.
- **Heavy-Gauge, Full Perimeter Base Rails**
Facilitates forklift handling and curb mounting.
- **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.
- **Quiet Operation**
Low vibration.
20" fan blade combined with custom venturi condenser fan.
- **Six Year Residential Parts Warranty**
The best warranty in the business. Extended labor protection plans are available.
- **One Year Commercial Parts Warranty**
- **Convertible Air Delivery**
Horizontal or downflow to accommodate rooftop or horizontal application.
- **Galvanized Steel Cabinet**
with polyurethane finish provides 950 hour salt spray protection to resist corrosion.
- **Plastic Coated Coil Guard and Mesh Hail Guard**
Will never rust and protect the coil from being damaged by balls, lawnmowers, hail etc.

MODEL IDENTIFICATION CODE



DIMENSIONS

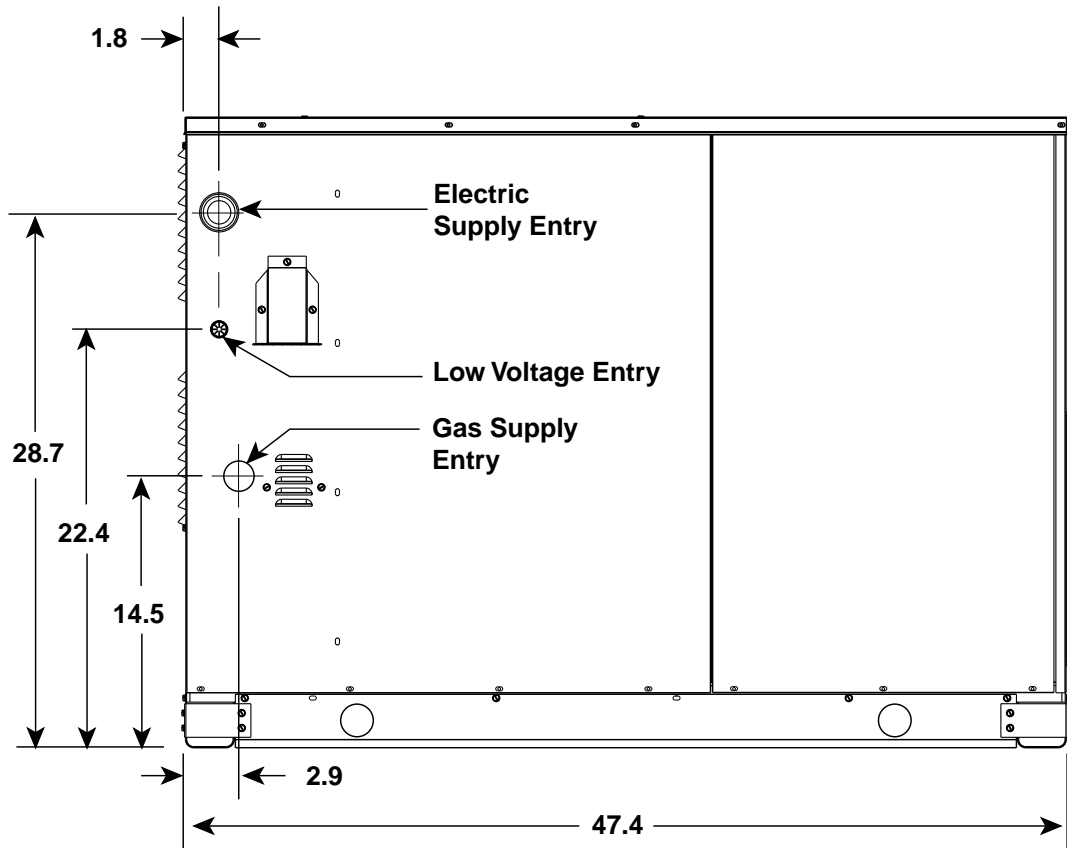


Top View

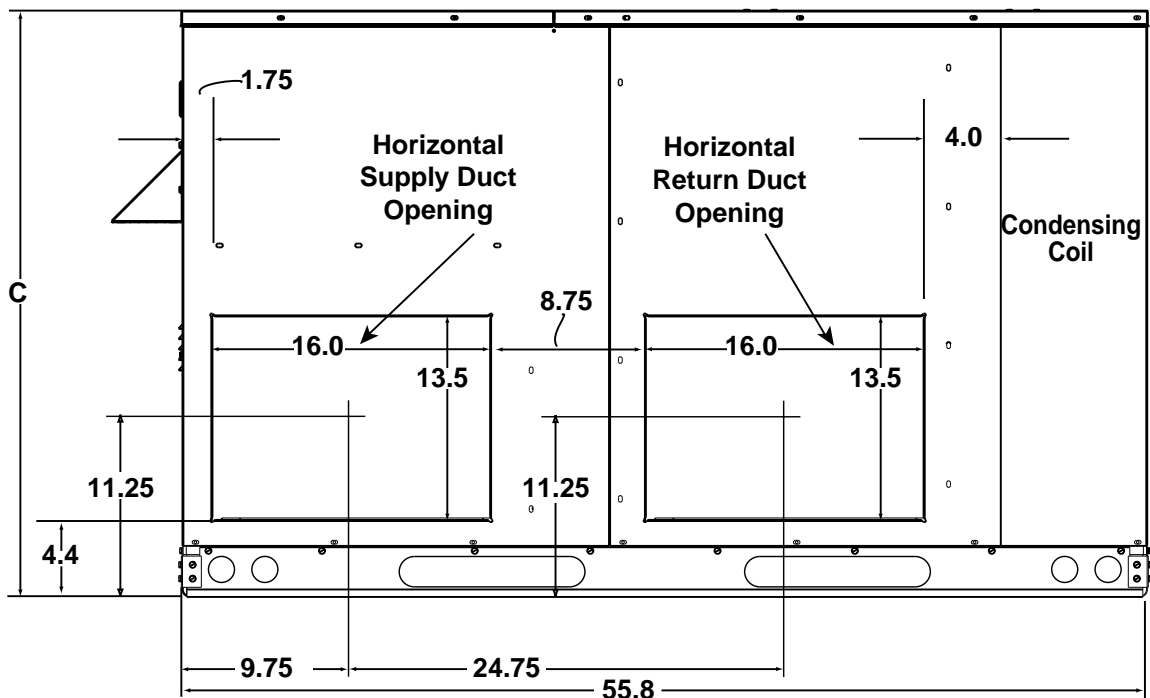
Model Number R4GA-	Unit Weight	Shipping Weight	Center of Gravity		Height (in inches)	
			A	B	C	
					with base rails	without base rails
024K045C	387	457	25.5	26.5	33.8	31.3
024K072C	395	465	25.0	26.5	33.8	31.3
030K045C	391	461	25.5	27.0	33.8	31.3
030K072C	399	469	25.0	27.0	33.8	31.3
036(*)072C	422	492	25.5	27.0	33.8	31.3
036(*)096C	428	498	25.0	27.0	33.8	31.3
042K072C	430	500	25.5	27.0	33.8	31.3
042K096C	440	510	25.5	27.0	33.8	31.3
048(*)096C	463	533	26.0	27.0	37.8	35.3
048(*)120C	465	538	25.5	27.0	37.8	35.3
060(*)096C	490	560	26.0	27.0	37.8	35.3
060(*)120C	495	565	25.5	27.0	37.8	35.3

* - Can be a K, C, N, or D

DIMENSIONS (Continued)



Side View



Back View

SPECIFICATIONS AND ELECTRICAL DATA

SINGLE PHASE

Model R4GA-	024K045C	024K072C	030K045C	030K072C	036K072C	036K096C	042K072C	042K096C	048K096C	048K120C	060K096C	060K120C
Performance												
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
Electrical Rating - 60 Hz												
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
Compressor Data												
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
Indoor Blower												
Wheel Diameter	10x6			10x10			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
Outdoor Fan												
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
Refrigerant Charge - oz.	70	70	65	65	60	60	73	73	93	93	88	88

SPECIFICATIONS AND ELECTRICAL DATA

THREE PHASE

Model R4GA	036C072C	036C096C	048C096C	048C120C	060C096C	060C120C	036D072C	036D096C
Performance								
Heating Input BTUH	72,000	96,000	96,000	120,000	96,000	120,000	72,000	96,000
Heating Output BTUH	56,000	75,000	75,000	94,000	75,000	94,000	56,000	75,000
Capacity-Cooling BTUH	35,500	35,500	46,000	46,000	58,000	58,000	35,500	35,500
AFUE	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
Efficiency - EER	9.00	9.00	10.50	10.50	8.70	8.70	9.00	9.00
Electrical Rating - 60 Hz								
Phase	3	3	3	3	3	3	3	3
Operating Voltage Range	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253	414 - 506	414 - 506
Minimum Circuit Ampacity	18.6	18.6	22.7	22.7	31.1	31.1	7.7	7.7
Max. Over-current Protection	25	25	35	35	50	50	15	15
Compressor Data								
Volts	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	460	460
Rated Load Amps	11.4	11.4	14.0	14.0	20.7	20.7	4.3	4.3
Lock Rotor Amps	75	75	91	91	128	128	40	40
Indoor Blower								
Wheel Blower	10x10							
Type / No. of Speeds	DD / 3	DD / 3	DD / 4	DD / 4	DD / 4	DD / 4	DD / 3	DD / 3
Motor - HP / RPM	1/2 - 1100	1/2 - 1100	3/4 - 1100	3/4 - 1100	3/4 - 1100	3/4 - 1100	1/2 - 1080	1/2 - 1080
Motor - Amps	3.1	3.1	4.0	4.0	4.0	4.0	1.7	1.7
Outdoor Fan								
Motor - HP / RPM	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100
Motor - Amps	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6
Fan Diameter / CFM	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500
Refrigerant Charge - oz.	60	60	93	93	88	88	60	60

SPECIFICATIONS AND ELECTRICAL DATA

THREE PHASE – Continued

Model R4GA	048D096C	048D120C	060D096C	060D120C	036N072C	036N096C	048N096C	048N120C	060N096C	060N120C
Performance										
Heating Input BTUH	96,000	120,000	96,000	120,000	72,000	96,000	96,000	120,000	96,000	120,000
Heating Output BTUH	75,000	94,000	75,000	94,000	56,000	75,000	75,000	94,000	75,000	94,000
Capacity-Cooling BTUH	46,000	46,000	58,000	58,000	35,500	35,500	46,000	46,000	58,000	58,000
AFUE	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
Efficiency - EER	10.50	10.50	8.70	8.70	9.00	9.00	10.50	10.50	8.70	8.70
Electrical Rating - 60 Hz										
Phase	3	3	3	3	3	3	3	3	3	3
Operating Voltage Range	414 - 506	414 - 506	414 - 506	414 - 506	518 - 633	518 - 633	518 - 633	518 - 633	518 - 633	518 - 633
Minimum Circuit Ampacity	9.3	9.3	13.3	13.3	6.5	6.5	7.8	7.8	10.2	10.2
Max. Over-current Protection	15	15	20	20	15	15	15	15	15	15
Compressor Data										
Volts	460	460	460	460	575	575	575	575	575	575
Rated Load Amps	5.7	5.7	8.9	8.9	3.7	3.7	4.7	4.7	6.6	6.6
Lock Rotor Amps	42	42	63	63	31	31	39	39	49	49
Indoor Blower										
Wheel Blower	11x10									
Type / No. of Speeds	DD / 2	DD / 2	DD / 2	DD / 2	DD / 3	DD / 3	DD / 2	DD / 2	DD / 2	DD / 2
Motor - HP / RPM	3/4 - 1075	3/4 - 1075	3/4 - 1075	3/4 - 1075	1/2 - 1080	1/2 - 1080	3/4 - 1075	3/4 - 1075	3/4 - 1075	3/4 - 1075
Motor - Amps	1.6	1.6	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.4
Outdoor Fan										
Motor - HP / RPM	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100	1/4 - 1100
Motor - Amps	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Fan Diameter / CFM	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500	20 / 3500
Refrigerant Charge - oz.	93	93	88	88	60	60	93	93	88	88

R4GA ACCESSORIES

Description	Part Number
Roof Curb (8")	547830
Roof Curb (14")	547831
Roof Curb (18")	547850
Roof Curb (24")	547851
Cap, Duct Adapter, 12" Round	913811A
Cap, Duct Adapter, 14" Round	913812A
Circuit Breaker, disconnect 3 phase	913740
Concentric diffuser, flush, 16"	547836
Concentric diffuser, flush, 18"	547837
Supply/return transition, 16"	547834
Supply/return transition, 18"	547835
Concentric diffuser, step down 16"	547838
Concentric diffuser, step down 18"	547839
CO2 sensors (special order)	547848
Economizer, downflow 3-position w/filter	547897
Economizer, downflow w/filter (does not require filter kit) modulating	547833
Economizer, horizontal (special order) modulating	547841
Economizer, horizontal 3-position w/filter	547896
Power Exhaust horizontal economizer (special order)	547843
Power Exhaust, downflow economizer (special order)	547842
Manual Fresh Air Damper	547832
Motorized Fresh Air Damper	547840
Filter Kit (not required with economizer) R4GA 024 -042, R4GC 024, P4SA 036	547886
Filter Kit (not required with economizer) P4SA 048, P4SC 036, Q4SA 036	547887
Filter Kit (not required with economizer) R4GA 048 - 060, R4GC 030 - 042, P4SA 060, P4SC 048 - 060, Q4SA 048 - 060, Q4SC 036	547888
Filter Kit (not required with economizer) R4GC 048 - 060, Q4SC 048 - 060	547889
Filter Rack, All Downflow Applications (not required with economizer)	547885
Hood Type Hail Guard, Coil Dim. 30" X 60" P4SA036, R4GA024, 030, 036, 042, R4GC024	547844
Hood Type Hail Guard, Coil Dim. 30" X 76" P4SA048, P4SC036, Q4SA036	547845
Hood Type Hail Guard, Coil Dim. 34" X 76" P4SA060, P4SC048, 060, Q4SA048, 060, Q4SC036, R4GA048, 060, R4GC030, 036, 042	547846
Hood Type Hail Guard, Coil Dim. 38" X 76" 060, R4GC048, 060	Q4SC048, 547847
Low Ambient Kit	913549A
High Pressure Switch Kit	913550
Low Pressure Switch Kit	913551
LP Gas Conversion Kit, Canadian (0 to 4,500 ft above sea level)	903617
LP Gas Conversion Kit, U.S. (0 ft to 10,000 ft above sea level)	903616
Outdoor Thermostat Kit	913852
Smoke Detector, Duct Mount, Photo Electric Type	547892
Smoke Detector, Multi Signal Control	547893
Smoke Detector, Sampling Tube ST3	547894
Smoke Detector, Sampling Tube ST5	547895
Universal Hard Start Kit	912933

