

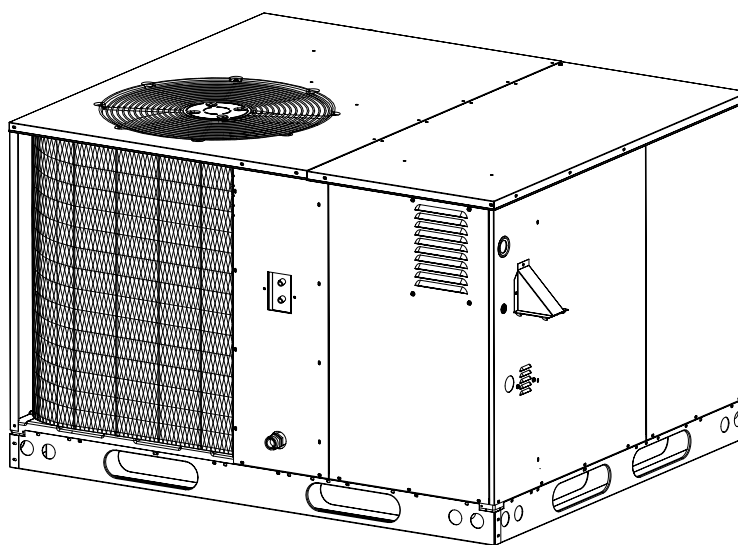
R4GD Series

Single Packaged Gas/Electric Units

R4GD 13 SEER

2 Ton thru 5 Ton Units

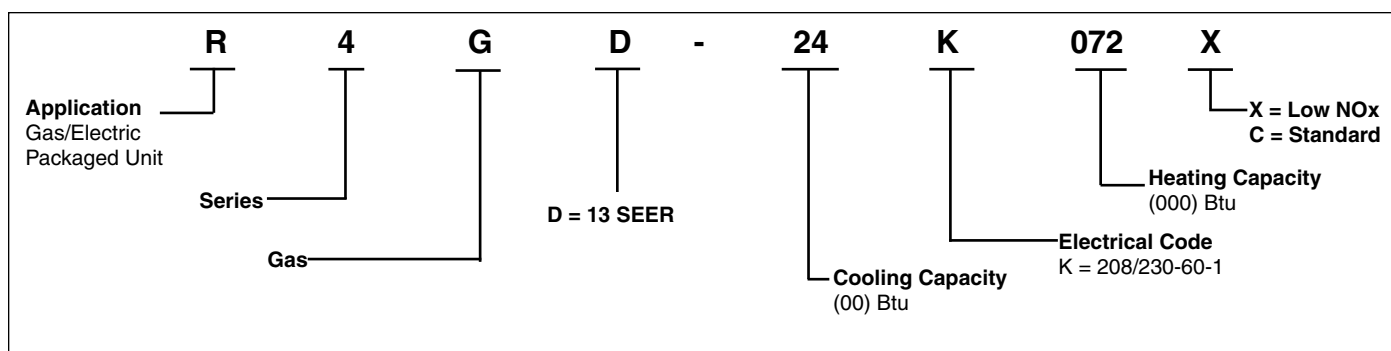
The R4GD Series single packaged gas/electrics are high efficiency self contained cooling units that can be installed on the roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed.



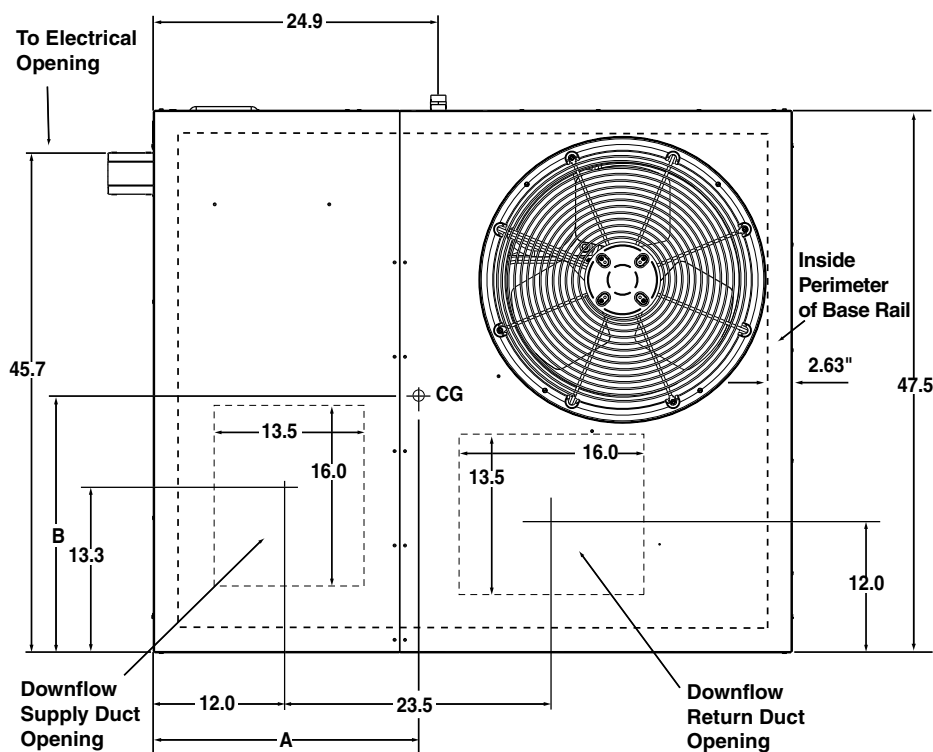
FEATURES AND BENEFITS

- **Warranty**
 - This product offers a 10-year All-Parts Warranty.
 - This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 10 years of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.
 - Consumer product registration required for both 10 year All Parts Warranty and Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web site listed on the back of this document for warranty details.
- **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**
 - 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.
- **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**
 - Low vibration. 20" fan blade combined with custom venturi condenser fan.

MODEL IDENTIFICATION CODE



DIMENSIONS

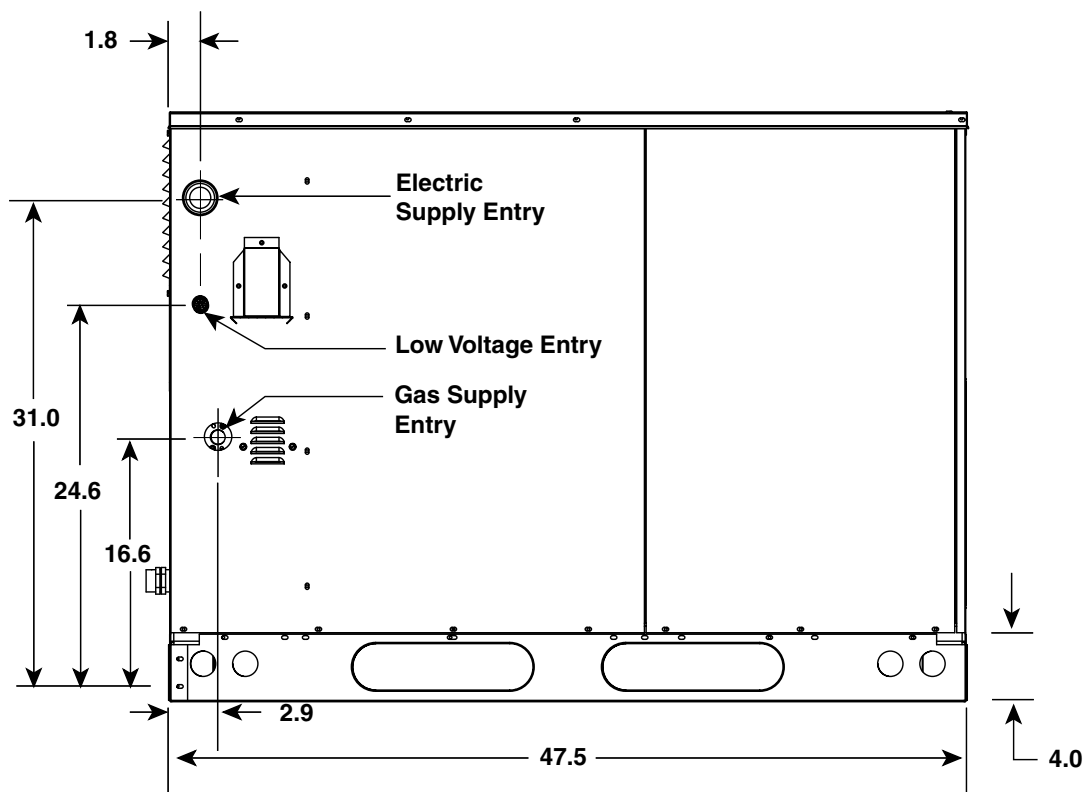


Top View

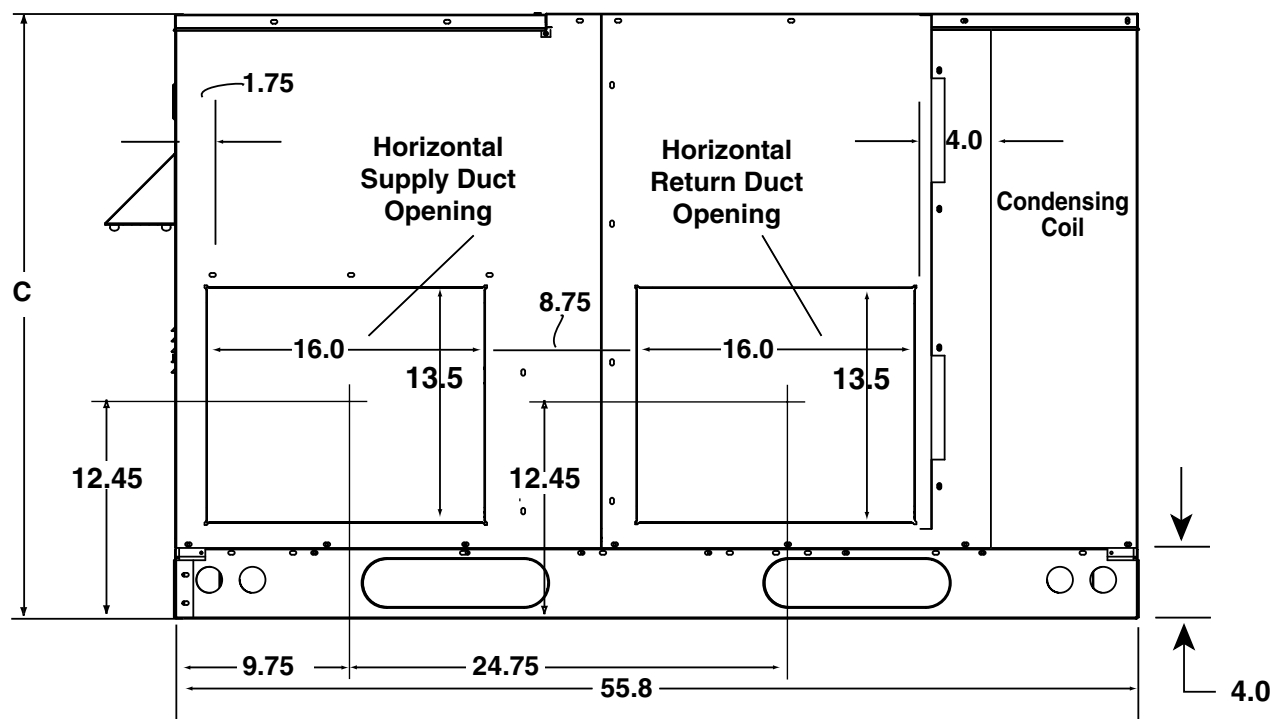
Model Number R4GD	Unit Weight	Shipping Weight	Center of Gravity		Height (in inches)	
			A	B	C	
					with base rails	without base rails
024K045†	425	435	26.5	26.5	39.0	35.3
024K072†	435	445	26.0	26.5	39.0	35.3
030K045†	430	440	26.5	26.5	39.0	35.3
030K072†	440	450	26.0	26.5	39.0	35.3
036K072†	470	480	26.5	26.5	39.0	35.3
036K096†	485	495	26.0	26.5	39.0	35.3
042K072†	500	510	27.0	26.5	39.0	35.3
042K096†	515	525	27.0	26.5	39.0	35.3
048K096†	540	550	27.5	26.5	43.0	39.3
048K120†	555	565	27.5	26.5	43.0	39.3
060K096†	560	570	27.5	26.5	43.0	39.3
060K120†	575	585	27.5	26.5	43.0	39.3

† Denotes either "C" or "X"

DIMENSIONS (Continued)



Side View



Back View

SPECIFICATIONS AND ELECTRICAL DATA

SINGLE PHASE

MODEL R4GD	-024K045(*)	-024K072(*)	-030K045(*)	-030K072(*)	-036K072(*)	-036K096(*)	-042K72(*)	-042K96(*)	-048K96(*)	-48K120(*)	-060K096(*)	-060K120(*)
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	23,000	23,000	28,000	28,000	35,000	35,000	40,000	40,000	46,000	46,000	55,000	55,000
AFUE	78	78	78	78	78	78	78	78	78	78	78	78
Efficiency -- SEER	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
Efficiency -- EER	11.4	11.4	11.0	11.0	10.9	10.9	11.0	11.0	10.5	10.5	10.3	10.3
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	20.00	20.00	25	25	25.5	25.5	34.1	34.1	35.8	35.8	42.5	42.5
Max. Overcurrent Protection	30	30	40	40	40	40	50	50	50	50	70	70
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	11.6	11.6	15.7	15.7	16	16	21.5	21.5	22.5	22.5	28.2	28.2
Lock Rotor Amps	54	54	68	68	77	77	104	104	137	137	141	141
Indoor Blower												
Wheel Diameter	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10	10 x 10
Motor Type	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque	Fixed Torque
Motor HP	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4
Motor Amps	4.1	4.1	4.1	4.1	4.1	4.1	6.0	6.0	6.0	6.0	6.0	6.0
Outdoor Fan												
Motor HP	1/4	1/4	1/8	1/8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
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)	89.6	89.6	93.4	93.4	100	100	192	192	216	216	188.8	188.8

AIRFLOW DATA

Model Number (*JR4GD-	Heating Input (BTUh)	Heating Output (BTUh)	Heating Rise Range(F)	Cooling Output (BTUh)	Motor Tap	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	CFM	Rise	CFM	Rise	CFM	Rise						
24K045(f)	45,000	35,000	30-60	23,000	T1	10 X 10	1/2	845	38	735	44	625	52	540	60	453	72	335	--	217	--	207	--	335	--	217	--	335	--	217	--	335	--				
					* T2			905	36	830	39	750	43	690	47	635	51	575	56	515	--	495	--	575	56	515	--	495	--	575	56	515	--	495	--		
					** T3			950	34	880	37	810	40	755	43	705	46	655	49	600	54	570	57	655	49	600	54	655	49	600	54	570	57	655	49		
					T4			1110	--	1065	30	1020	32	965	34	910	36	865	37	825	39	790	41	865	37	825	39	865	37	825	39	790	41	865	37		
					* T5			1260	--	1215	--	1175	--	1125	--	1075	30	1030	31	990	33	960	34	1030	31	990	33	1030	31	990	33	960	34	1030	31		
24K072(f)	72,000	56,000	40-70	23,000	T1	10 X 10	1/2	845	57	830	62	750	69	690	--	635	--	575	--	515	--	495	--	575	--	515	--	495	--	575	--	515	--				
					* T2			905	55	880	59	810	64	755	69	705	--	655	--	600	63	570	66	655	--	600	63	655	--	600	63	570	66	655	--		
					** T3			950	47	1065	49	1,020	51	965	54	910	57	865	50	825	52	790	54	865	50	825	52	865	50	825	52	790	54	865	50		
					T4			1260	41	1215	43	1,175	44	1,125	46	1,075	48	1,030	50	990	52	960	54	1,030	50	990	52	1,030	50	990	52	960	54	1,030	50		
					* T5			1260	41	1215	43	1,175	44	1,125	46	1,075	48	1,030	50	990	52	960	54	1,030	50	990	52	1,030	50	990	52	960	54	1,030	50		
30K045(f)	45,000	35,000	30-60	28,000	T1	10 X 10	1/2	950	55	880	59	810	64	755	69	705	--	655	--	600	--	570	--	655	--	600	--	570	--	655	--	600	--				
					* T2			1110	47	1065	49	1,020	51	965	54	910	57	865	50	825	52	790	54	865	50	825	52	865	50	825	52	790	54	865	50		
					** T3			905	36	830	39	750	43	690	47	635	51	575	56	515	--	495	--	575	56	515	--	495	--	575	56	515	--	495	--		
					* T4			950	34	880	37	810	40	755	43	705	46	655	49	600	54	570	57	655	49	600	54	655	49	600	54	570	57	655	49		
					* T5			1110	--	1065	30	1,020	32	965	34	910	36	865	37	825	39	790	41	865	37	825	39	865	37	825	39	790	41	865	37		
30K072(f)	72,000	56,000	40-70	35,000	T1	10 X 10	1/2	1260	--	1215	--	1,175	--	1,125	--	1,075	30	1,030	31	990	33	960	34	1,030	31	990	33	960	34	1,030	31	990	33				
					* T2			845	61	735	--	625	--	540	--	453	--	335	--	217	--	207	--	335	--	217	--	335	--	217	--	335	--	217	--	335	--
					** T3			905	57	830	62	750	69	690	--	635	--	575	--	515	--	495	--	575	--	515	--	495	--	575	--	515	--	495	--	575	--
					* T4			950	55	880	59	810	64	755	69	705	--	655	--	600	63	570	66	655	--	600	63	655	--	600	63	570	66	655	--		
					* T5			1110	47	1065	49	1,020	51	965	54	910	57	865	50	825	52	790	54	865	50	825	52	865	50	825	52	790	54	865	50		
36K072(f)	72,000	56,000	40-70	35,000	T1	10 X 10	1/2	1260	41	1215	43	1,175	44	1,125	46	1,075	48	1,030	50	990	52	960	54	1,030	50	990	52	960	54	1,030	50	990	52				
					* T2			950	55	880	59	810	64	755	69	705	--	655	--	600	--	570	--	655	--	600	--	570	--	655	--	600	--	570	--		
					T3			1110	47	1065	49	1,020	51	965	54	910	57	865	50	825	52	790	54	865	50	825	52	865	50	825	52	790	54	865	50		
					** T4			1220	43	1180	44	1,135	46	1,085	48	1,030	50	990	52	945	55	915	57	990	52	945	55	990	52	945	55	915	57	990	52		
					* T5			1260	41	1215	43	1,175	44	1,125	46	1,075	48	1,030	50	990	52	960	54	1,030	50	990	52	1,030	50	990	52	960	54	1,030	50		
36K096(f)	96,000	75,000	45-75	35,000	T1	10 X 10	1/2	1345	--	1300	40	1,250	41	1,210	43	1,170	44	1,120	46	1,070	48	1,030	50	990	52	960	54	1,030	50	990	52	960	54				
					* T2			950	73	880	--	810	--	755	--	705	--	655	--	600	--	570	--	655	--	600	--	570	--	655	--	600	--	570	--		
					T3			1110	63	1065	65	1,020	68	965	72	910	--	865	--	825	--	790	--	865	--	825	--	790	--	865	--	825	--	790	--		
					** T4			1220	57	1180	59	1,135	61	1,085	64	1,030	67	990	70	945	73	915	75	990	70	945	73	990	70	945	73	915	75	990	70		
					* T5			1260	55	1215	57	1,175	59	1,125	62	1,075	65	1,030	67	990	70	960	72	1,030	67	990	70	1,030	67	990	70	960	72	1,030	67		
42K072(f)	72,000	56,000	40-70	40,000	T1	10 X 10	3/4	1345	52	1300	53	1,250	56	1,210	57	1,170	59	1,120	62	1,070	65	1,030	67	990	70	960	72	1,030	67	990	70	960	72				
					* T2			1020	51	940	55	860	60	800	65	740	70	690	--	615	--	570	--	690	--	615	--	570	--	690	--	615	--	570	--		
					T3			1185	44	1110	47	1,035	50	980	53	925	56	875	59	820	63	785	66	875	59	820	63	785	66	875	59	820	63	785	66		
					** T4			1410	37	1330	39	1,250	41	1,195	43	1,140	45	1,085	48	1,030	50	975	53	1,085	48	1,030	50	975	53	1,085	48	1,030	50	975	53		
					* T5			1525	--	1450	--	1,370	--	1,320	--	1,270	41	1,210	43	1,150	45	1,100	47	1,210	43	1,150	45	1,100	47	1,210	43	1,150	45	1,100	47		
42K096(f)	96,000	75,000	45-75	40,000	T1	10 X 10	3/4	1650	--	1585	--	1,520	--	1,465	--	1,405	--	1,340	--	1,280	41	1,235	42	1,180	44	1,130	46	1,180	44	1,130	46	1,180	44				
					* T2			1020	68	940	74	860	--	800	--	740	--	680	--	615	--	570	--	680	--	615	--	570	--	680	--	615	--	570	--		
					T3			1185	59	1110	63	1,035	67	960	--	925	--	875	--	820	--	785	--	875	--	820	--	785	--	875	--	820	--	785	--		
					** T4			1410	49	1330	52	1,250	56	1,195	58	1,140	61	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71		
					* T5			1525	46	1450	48	1,370	51	1,320	53	1,270	55	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63		
48K096(f)	96,000	75,000	45-75	46,000	T1	10 X 10	3/4	1650	--	1585	--	1,520	--	1,465	--	1,405	--	1,340	--	1,280	41	1,235	42	1,180	44	1,130	46	1,180	44	1,130	46	1,180	44				
					* T2			1185	59	1110	63	1,035	67	960	71	925	75	875	--	820	--	785	--	875	--	820	--	785	--	875	--	820	--	785	--		
					T3			1410	49	1330	52	1,250	56	1,195	58	1,140	61	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71		
					** T4			1525	46	1450	48	1,370	51	1,320	53	1,270	55	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63		
					* T5			1650	--	1585	--	1,520	46	1,465	47	1,405	49	1,340	52	1,280	54	1,235	56	1,340	52	1,280	54	1,235	56	1,340	52	1,280	54	1,235	56		
60K096(f)	96,000	75,000	45-75	55,000	T1	10 X 10	3/4	1775	--	1715	--	1,650	--	1,600	--	1,540	45	1,460	48	1,400	51	1,330	54	1,270	57	1,210	60	1,270	57	1,210	60	1,270	57				
					* T2			1185	73	1110	63	1,035	67	960	71	925	75	875	--	820	--	785	--	875	--	820	--	785	--	875	--	820	--	785	--		
					T3			1410	49	1330	52	1,250	56	1,195	58	1,140	61	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71	1,085	64	1,030	67	975	71		
					** T4			1525	46	1450	48	1,370	51	1,320	53	1,270	55	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63	1,210	57	1,150	60	1,100	63		
					* T5			1650	--	1585	--	1,520	46	1,465	47	1,405	49	1,340	52	1,280	54	1,235	56	1,340	52	1,280	54	1,235	56	1,340	52	1,280	54	1,235	56		
60K120(f)																																					

R4GD 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
Supply/return transition, 16"	547834
Supply/return transition, 18"	547835
Concentric diffuser, flush, 16"	547836
Concentric diffuser, flush, 18"	547837
Concentric diffuser, step down 16"	547838
Concentric diffuser, step down 18"	547839
Manual Fresh Air Damper	547832
Motorized Fresh Air Damper	547840
Economizer, downflow w/filter (does not require filter kit) modulating	547833
Economizer, horizontal modulating	547841
Economizer, horizontal 3-position w/filter	547896
Economizer, downflow 3-position w/filter	547897
Power Exhaust, horizontal economizer (special order)	547843
Power Exhaust, downflow economizer (special order)	547842
Filter Kit R4GD 024 - 042	547888
Filter Kit R4GD 048 - 060	547889
Filter Kit, All Downflow Applications (not required with economizer)	547885
Hood Type Hail Guard, Coil Dim. 34" X 76" R4GD-024,030,036,042	547846
Hood Type Hail Guard, Coil Dim. 38" X 76" R4GD-048,060	547847
CO2 sensors (special order)	547848
DUCT SMOKE DETECTOR PHOTO ELEC	547892
MULTI SIGNAL CONTROL	547893
SAMPLING TUBE ST3	547894
SAMPLING TUBE ST5	547895
Low Ambient Kit	913549A
High Pressure Switch Kit	913550
Low Pressure Switch Kit	913551
Canadian LP Gas Conversion Kit (0 to 4,500 ft above sea level)	904091A
U.S. LP Gas Conversion Kit (0 ft to 10,000 ft above sea level)	904090A
Outdoor Thermostat Kit	913852
Universal Hard Start Kit	912933
P-Trap Kit	913810



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O'Fallon, MO

NORDYNE

977B-0207 (Replaces 977B-0506)

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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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