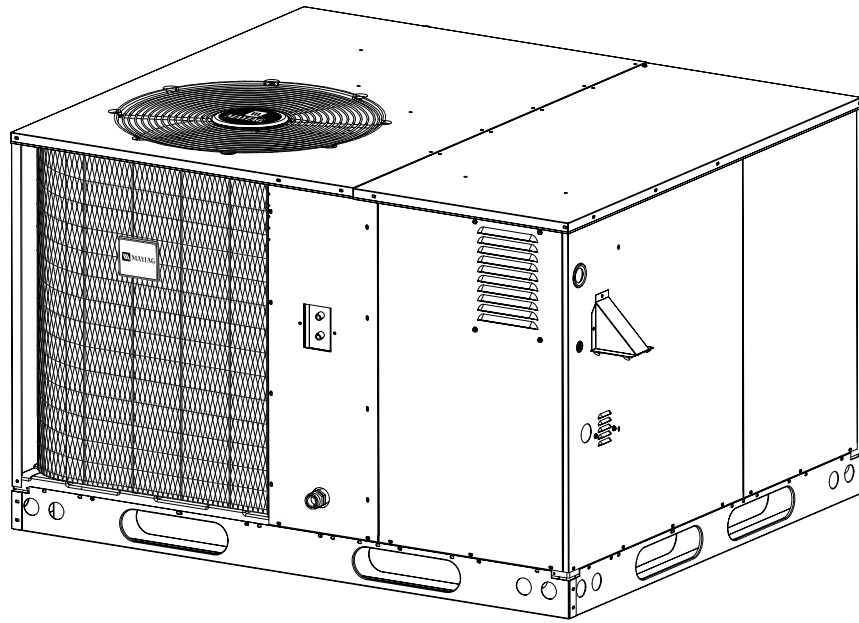




TECHNICAL SPECIFICATIONS

Model R4GD Series



M1000 Product Line

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

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



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

- **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**
Low vibration. 20" fan blade combined with custom venturi condenser fan.
- **10 Year Residential Parts Warranty**
The best warranty in the business.

IDENTIFICATION CODE

R 4 G D - 24 K 072 X

Application
Gas/Electric
Packaged Unit

Series

Gas

D = 13 SEER

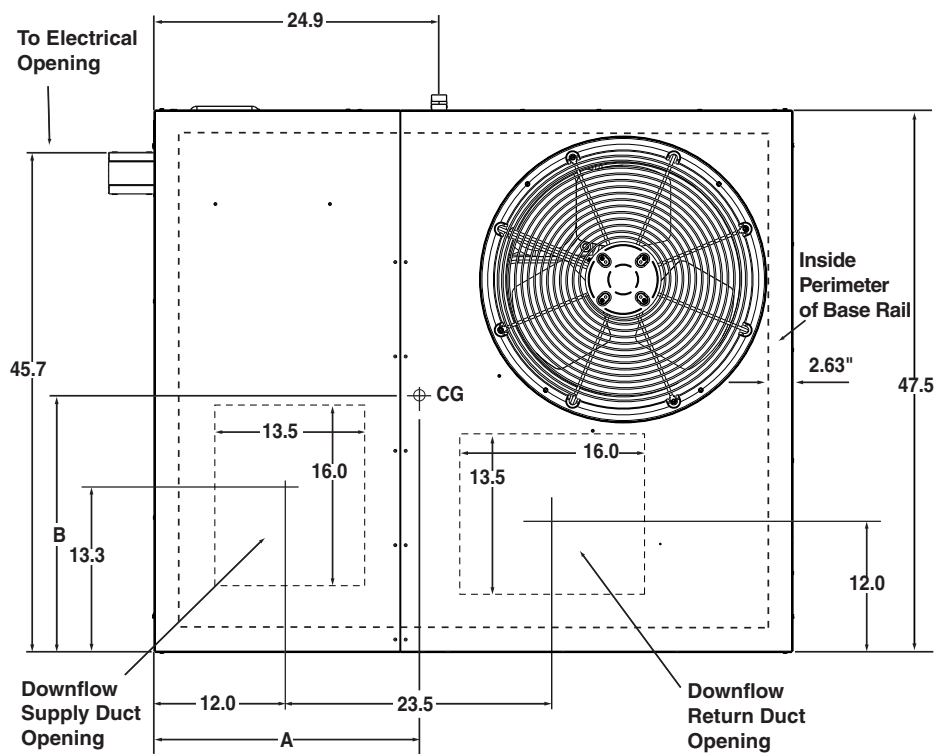
X = Low NOx
C = Standard

Heating Capacity
(000) Btu

Electrical Code
K = 208/230-60-1

Cooling Capacity
(00) Btu

DIMENSIONS

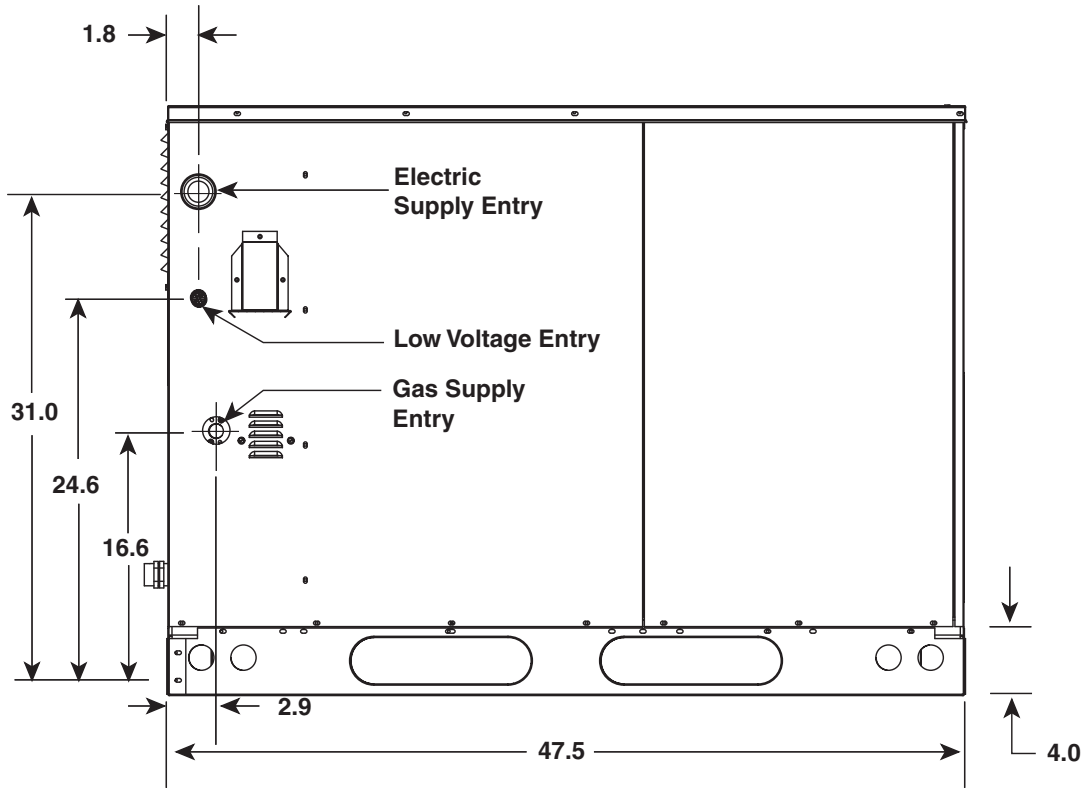


Top View

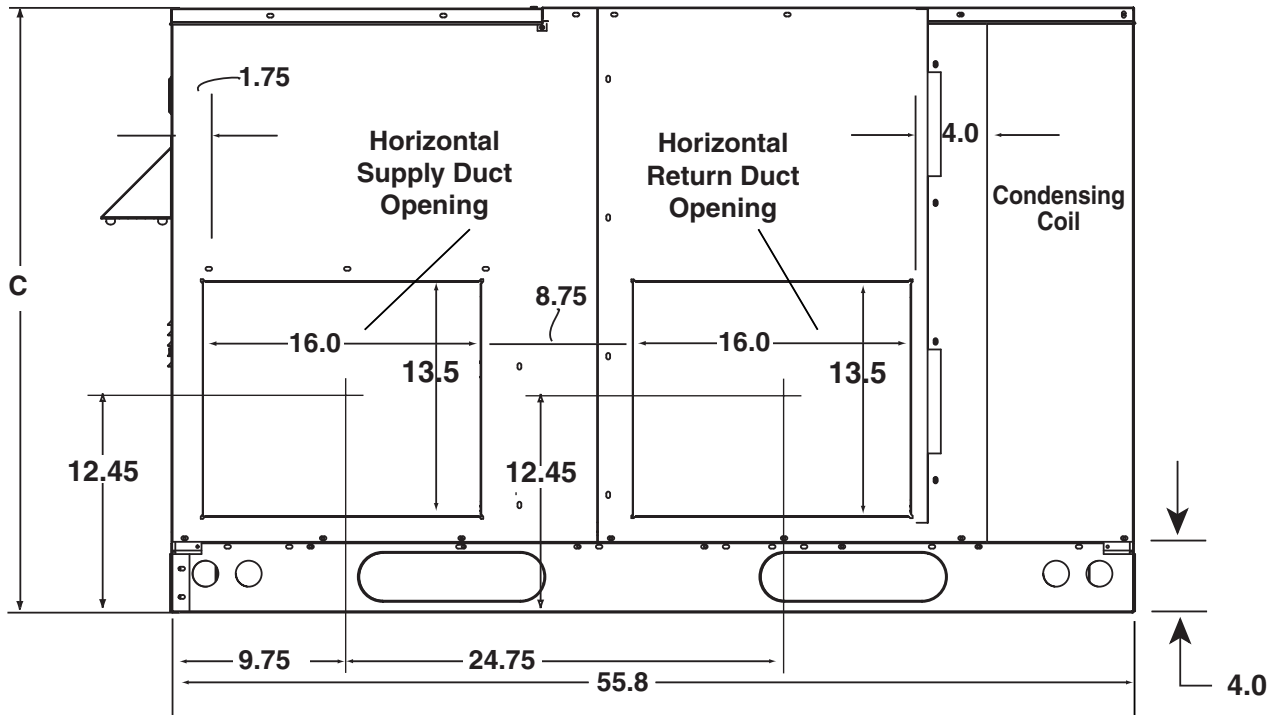
Model Number R4GD	Unit Weight	Shipping Weight	Center of Gravity		Height (in inches)	
			A	B	C	
					with base rails	without base rails
024K045†	425	435	26.5	26.5	39.0	35.3
024K072†	435	445	26.0	26.5	39.0	35.3
030K045†	430	440	26.5	26.5	39.0	35.3
030K072†	440	450	26.0	26.5	39.0	35.3
036K072†	470	480	26.5	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

AIRFLOW DATA

Model Number (*)R4GD-	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						
24K045(t)	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	--								
					*T2			905	36	830	39	750	40	630	47	635	51	575	56	515	54	495	--	515	--	495	--				
					**T3			960	34	880	37	810	40	765	43	705	46	665	49	600	47	600	54	600	54	570	57	570	57		
					T4			1110	--	1065	30	1020	32	965	34	910	36	865	37	825	39	790	31	825	39	825	39	790	41	790	41
					T5			1260	--	1215	--	1175	--	1125	--	1075	30	1030	31	990	33	960	33	960	33	960	33	960	33	960	33
24K072(t)	72,000	56,000	40-70	23,000	T1	10 X 10	1/2	845	61	735	--	625	--	540	--	453	--	335	--	217	--	207	--								
					*T2			905	57	830	62	750	69	690	--	635	--	575	--	515	--	495	--	495	--						
					**T3			960	55	880	59	810	64	765	69	705	--	655	--	600	--	600	--	600	--	600	--				
					T4			1110	47	1065	49	1020	51	965	54	910	57	865	60	825	63	790	50	825	63	790	66	790	66		
					T5			1260	41	1215	43	1175	44	1125	44	1075	48	1030	50	990	52	960	52	960	52	960	52	960	54		
30K045(t)	45,000	35,000	30-60	28,000	T1	10 X 10	1/2	845	38	735	44	625	52	540	60	453	72	335	--	217	--	207	--								
					*T2			905	36	830	39	750	43	690	47	635	51	575	56	515	54	495	--	515	--	495	--				
					**T3			960	34	880	37	810	40	765	43	705	46	665	49	600	47	600	54	600	54	570	57	570	57		
					*T4			1110	--	1065	30	1020	32	965	34	910	36	865	37	825	39	790	31	825	39	825	39	790	41	790	41
					T5			1260	--	1215	--	1175	--	1125	--	1075	30	1030	31	990	33	960	33	960	33	960	33	960	33	960	33
30K072(t)	72,000	56,000	40-70	28,000	T1	10 X 10	1/2	845	61	735	--	625	--	540	--	453	--	335	--	217	--	207	--								
					*T2			905	57	830	62	750	69	690	--	635	--	575	--	515	--	495	--	495	--						
					**T3			960	55	880	59	810	64	765	69	705	--	655	--	600	--	600	--	600	--	600	--				
					T4			1110	47	1065	49	1020	51	965	54	910	57	865	60	825	63	790	50	825	63	790	66	790	66		
					T5			1260	41	1215	43	1175	44	1125	44	1075	48	1030	50	990	52	960	52	960	52	960	52	960	54		
36K072(t)	72,000	56,000	40-70	35,000	T1	10 X 10	1/2	960	55	880	59	810	64	765	69	705	48	665	60	825	63	790	66	790	66						
					*T2			1110	47	1065	49	1020	51	965	54	910	57	865	60	825	63	790	66	790	66						
					T3			1220	43	1180	44	1135	46	1085	48	1030	50	990	52	945	55	915	57	875	59	845	55				
					**T4			1260	41	1215	43	1175	44	1125	44	1075	48	1030	50	990	52	945	55	915	57	875	59				
					T5			1345	--	1300	40	1250	41	1210	43	1170	44	1130	46	1090	48	1050	50	1010	52	970	54				
36K096(t)	96,000	75,000	45-75	35,000	T1	10 X 10	1/2	960	73	880	65	810	68	765	72	705	55	665	60	825	63	790	66	790	66						
					*T2			1110	63	1065	65	1020	68	965	64	920	67	875	66	830	69	785	65	840	67	795	71				
					T3			1220	57	1180	59	1135	61	1085	64	1040	67	990	67	945	70	900	72	855	73	810	75				
					**T4			1260	55	1215	57	1175	59	1125	62	1080	65	1030	67	990	70	945	73	900	75	855	78				
					T5			1345	52	1300	53	1250	56	1210	57	1170	59	1130	62	1090	65	1050	67	1010	70	970	72				
42K072(t)	72,000	56,000	40-70	40,000	T1	10 X 10	3/4	1020	51	940	55	860	60	800	65	740	70	680	60	825	63	790	66	790	66						
					*T2			1185	44	1110	47	1035	50	980	53	925	56	875	59	820	63	785	66	740	70	680	60				
					T3			1410	37	1330	39	1250	41	1195	43	1140	45	1085	48	1030	50	990	52	945	55	915	57				
					**T4			1525	--	1450	--	1370	--	1320	--	1270	41	1210	43	1160	45	1110	48	1060	50	950	52				
					T5			1650	--	1585	--	1520	--	1465	--	1405	41	1340	43	1280	45	1230	48	1170	48	1120	50				
42K096(t)	96,000	75,000	45-75	40,000	T1	10 X 10	3/4	1020	68	940	74	860	--	800	--	740	--	680	--	620	--	560	--								
					*T2			1185	59	1110	63	1035	67	980	--	925	--	875	--	820	--	765	--	710	--						
					T3			1410	49	1330	52	1250	56	1195	58	1140	61	1085	64	1030	67	975	60	930	69	885	62				
					**T4			1525	46	1450	48	1370	51	1320	53	1270	55	1220	57	1170	60	1120	63	1070	66	1020	69				
					T5			1650	46	1585	--	1520	46	1465	47	1405	49	1340	52	1280	54	1230	57	1170	60	1120	63				
48K096(t)	96,000	75,000	45-75	46,000	T1	10 X 10	3/4	1185	59	1110	63	1035	67	980	71	925	75	875	65	820	69	765	70								
					*T2			1410	49	1330	52	1250	56	1195	58	1140	61	1085	64	1030	67	975	60	930	69						
					T3			1525	46	1450	48	1370	51	1320	53	1270	55	1220	57	1170	60	1120	63	1070	66						
					**T4			1650	--	1585	--	1520	46	1465	47	1405	49	1340	52	1280	54	1230	57	1170	60						
					T5			1775	--	1715	--	1650	--	1600	--	1540	45	1480	48	1420	51	1360	54	1300	57						
48K120(t)	120,000	94,000	45-75	46,000	T1	10 X 10	3/4	1185	73	1110	63	1035	67	980	71	925	75	875	65	820	69	765	70								
					*T2			1410	62	1330	65	1250	70	1195	73	1140	76	1085	70	1030	73	980	67	930	71						
					T3			1525	57	1450	60	1370	64	1320	66	1270	69	1220	72	1170	75	1120	78	1070	81						
					**T4			1650	53	1585	55	1520	57	1465	59	1405	62	1340	65	1280	68	1230	71	1180	74						
					T5			1775	49	1715	51	1650	53	1600	54	1540	57	1480	60	1420	63	1360	66	1300	69						
60K096(t)	96,000	75,000	45-75	55,000	T1	10 X 10	3/4	1185	59	1110	63	1035	67	980	71	925	75	875	65	820	69	765	70								
					*T2			1410	62	1330	65	1250	70	1195	73	1140	76	1085	70	1030	73	980	67	930	71						
					T3			1525	46	1450	48	1370	51	1320	53	1270	55	1220	57	1170	60	1120	63	1070	66						
					**T4			1625	--	1560	45	1500	47	1435	48	1380	50	1315	53	1255	55	1200	57	1145	60						
					T5			1725	50	1660	52	1600	54	1545	45	1485	47	1415	49	1340	52	1280	54	1230	57						
60K120(t)	120,000	94,000	45-75	55,000	T1	10 X 10	3/4	1185	73	1110	63	1035	67	980	71	925	75	875	65	820	69	765	70								
					*T2			1410	62	1330	65	1250	70	1195	73	1140	76	1085	70	1030	73	980	67	930	71						
					T3			1525	57	1450	60	1370	64	1320	66	1270	69	1220	72	1170	75	1120	78	1070	81						
					**T4			1625	--	1560	45	1500	47	1435	48	1380	50	1315	53	1255	55	1200	57	1145	60						
					T5			1725	50	1660	52	1600	54	1545	45	1485	47	1415	49	1340	52	1									

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

* Can be either C or X

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



We Encourage Professionalism



Through Technician Certification by NATE

 **MAYTAG**

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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981B-0506 (Replaces 981B-0306)

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