MAINLINE®
Reliably Comfortable.™

MAINLINE® iR PACKAGED AIR CONDITIONER

RACAZR

Cooling Efficiency: 13.4 SEER2

Manufactured for
Mainline®
HVACmainline.com

ISO 9001:2015

c UL us LISTED

AHRI CERTIFIED™
www.ahridirectory.org
Unitary Large AC
AHRI Standard 340/360
Certification applies only when the complete system is listed with AHRI.
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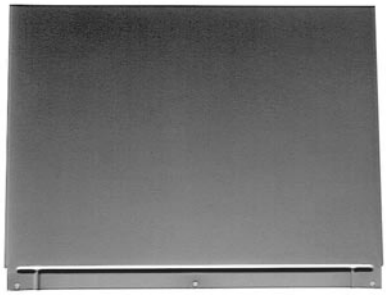
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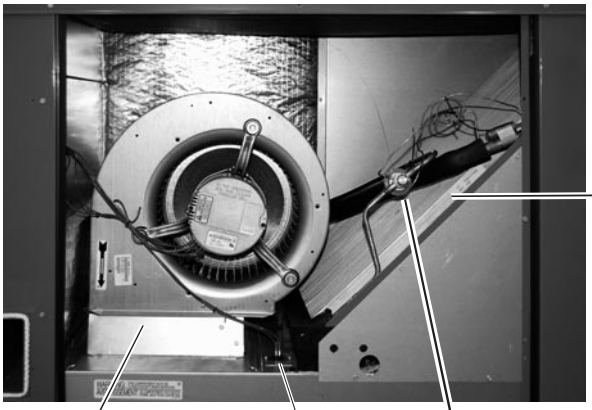
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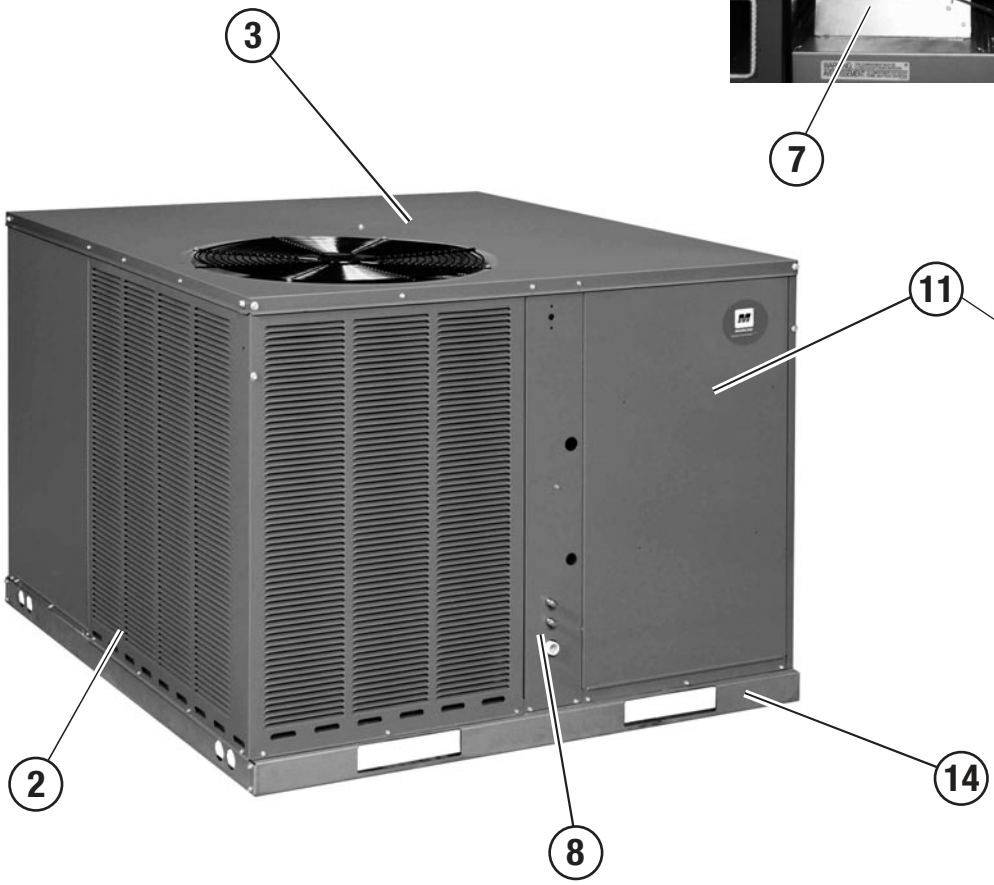
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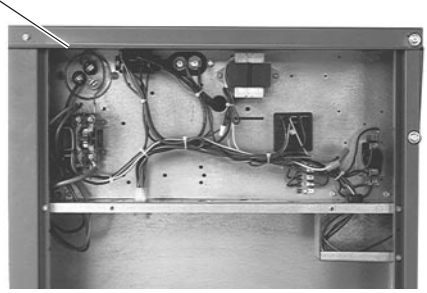

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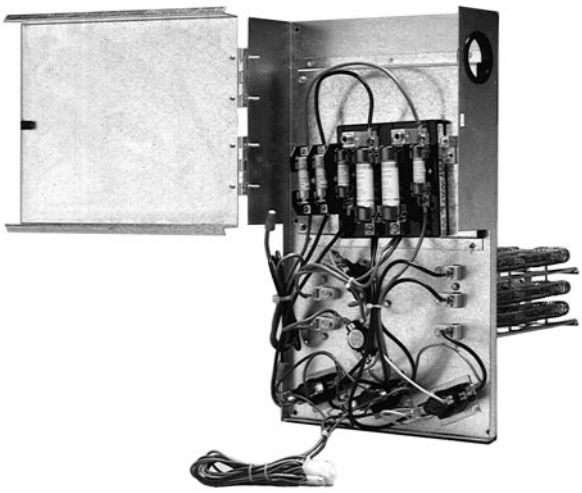


Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation.
2. Louvered condenser compartment to protect the coil against yard hazards and/or weather extremes.
3. One-piece top with a drip flange to help keep water out of the unit.
4. Drawn supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. All models are shipped ready for horizontal application.
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics.
9. Micro Channel evaporator and condenser delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. In addition the all aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. It is easier to clean and has a more robust surface.
10. Supplemental electric heat strips up to 15 kW are available (field installed) for periods of extreme cold temperatures. Single point wiring simplifies installation.
11. Easily accessible control box.
12. Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
13. Solid core liquid line. Filter drier standard on all models (not shown).
14. Rugged baserail included for improved installation and handling.
15. Molded compressor plug.
16. Complete factory charged, wired and run tested.
17. A double sloped evaporator coil drain pan assures all water is removed from the unit to improve indoor air quality.

Packaged Air Conditioner

R	AC	A	Z	R	024	A	J	T	000	N	A
Brand	**Product Category**	**Platform**	**Refrigerant**	**Tier**	**Capacity BTU/HR**	**Major Series**	**Voltage**	**Drive**	**Electric Heat**	**Control**	**Minor Series**
R - Mainline	AC - Straight Cool	A- ResiPack Convertible	Z - R-410A	R - Base Tier (13.4 SEER2)	024 - 24,000 [7.03 kW] 030 - 30,000 [8.79 kW] 036 - 36,000 [10.55 kW] 042 - 42,000 [12.31 kW] 048 - 48,000 [14.07 kW] 060 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208-230/60 C - 3ph, 208-230/60 D - 3ph, 460/60	T - Constant Torque	000 - No Electric Heat	N - Non-Communicating	A - 1st Design

[ ] Designates Metric Conversions

Available Models
RACAZR024AJT000NA
RACAZR030AJT000NA
RACAZR036ACT000NA
RACAZR036ADT000NA
RACAZR036AJT000NA
RACAZR042ACT000NA
RACAZR042AJT000NA
RACAZR048ACT000NA
RACAZR048ADT000NA
RACAZR048AJT000NA
RACAZR060ACT000NA
RACAZR060ADT000NA
RACAZR060AJT000NA

NOTE: **Bold** represents 2-stage cooling models.

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RACAZR Series	024AJT	030AJT	036ACT	036ADT
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	23,600 [6.91]	29,400 [8.61]	35,200 [10.31]	35,200 [10.31]
EER2/SEER2 (1-phase)[2]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
EER/SEER (3-phase)[2]	—	—	11/14	11/14
Nominal CFM/AHRI Rated CFM [L/s]	800/810 [378/382]	1000/980 [472/462]	1200/1180 [566/557]	1200/1180 [566/557]
AHRI Net Cooling Capacity Btu [kW]	23,000 [6.74]	28,400 [8.32]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity Btu [kW]	16,700 [4.89]	21,100 [6.18]	25,100 [7.35]	25,100 [7.35]
Net Latent Capacity Btu [kW]	6,300 [1.85]	7,300 [2.14]	9,100 [2.67]	9,100 [2.67]
Net System Power kW	2.04	2.49	2.81	2.81
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	77	79	75	75
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.472 [12]	0.709 [18]	0.709 [18]	0.709 [18]
Face Area sq. ft. [sq. m]	7.19 [0.67]	7.06 [0.66]	9.78 [0.91]	9.78 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.54 [0.33]	3.54 [0.33]	3.54 [0.33]	3.54 [0.33]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2500 [1180]	2400 [1133]	3250 [1534]	3250 [1534]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	825	825	825	825
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/3	1/2	1	1
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	45.6 [1293]	48 [1361]	49.6 [1406]	49.6 [1406]
Weights				
Net Weight lbs. [kg]	354 [161]	354 [161]	363 [165]	363 [165]
Ship Weight lbs. [kg]	362 [164]	362 [164]	371 [168]	371 [168]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RACAZR Series	036AJT	042ACT	042AJT	048ACT
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	35,600 [10.43]	42,000 [12.31]	42,500 [12.45]	48,000 [14.06]
EER2/SEER2 (1-phase)[2]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
EER/SEER (3-phase)[2]	—	11/14	—	11/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1180 [566/557]	1400/1510 [661/713]	1400/1510 [661/713]	1600/1730 [755/816]
AHRI Net Cooling Capacity Btu [kW]	34,200 [10.02]	40,500 [11.87]	40,500 [11.87]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	24,900 [7.3]	30,500 [8.94]	30,500 [8.94]	34,000 [9.96]
Net Latent Capacity Btu [kW]	9,300 [2.72]	10,000 [2.93]	10,000 [2.93]	12,000 [3.52]
Net System Power kW	2.98	3.45	3.6	4.11
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	75	77	77	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.709 [18]	0.709 [18]	0.709 [18]	1 [25.4]
Face Area sq. ft. [sq. m]	9.78 [0.91]	16.18 [1.5]	16.18 [1.5]	15.37 [1.43]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	3.54 [0.33]	3.98 [0.37]	3.98 [0.37]	3.98 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3250 [1534]	4300 [2029]	4300 [2029]	4150 [1958]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	825	1050	1050	1050
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1	3/4	3/4	1
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	49.6 [1406]	72 [2041]	72 [2041]	88 [2495]
Weights				
Net Weight lbs. [kg]	363 [165]	428 [194]	428 [194]	447 [203]
Ship Weight lbs. [kg]	371 [168]	436 [198]	436 [198]	455 [206]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RACAZR Series	048ADT	048AJT	060ACT	060ADT
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	48,000 [14.06]	48,500 [14.21]	58,000 [16.99]	58,000 [16.99]
EER2/SEER2 (1-phase)[2]	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
EER/SEER (3-phase)[2]	11/14	—	11/14	11/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1730 [755/816]	1600/1730 [755/816]	2000/1700 [944/802]	2000/1700 [944/802]
AHRI Net Cooling Capacity Btu [kW]	46,000 [13.48]	46,000 [13.48]	56,000 [16.41]	56,000 [16.41]
Net Sensible Capacity Btu [kW]	34,000 [9.96]	34,000 [9.96]	40,000 [11.72]	40,000 [11.72]
Net Latent Capacity Btu [kW]	12,000 [3.52]	12,000 [3.52]	16,000 [4.69]	16,000 [4.69]
Net System Power kW	4.11	4.33	5.02	5.02
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	77	77
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.37 [1.43]	15.37 [1.43]	15.37 [1.43]	15.37 [1.43]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	3.98 [0.37]	3.98 [0.37]	3.96 [0.37]	3.96 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4150 [1958]	4150 [1958]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/2 HP	1 at 1/2 HP
Motor RPM	1050	1050	1050	1050
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1	1	1	1
Motor RPM	1050	1050	1050	1050
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	88 [2495]	88 [2495]	89.6 [2540]	89.6 [2540]
Weights				
Net Weight lbs. [kg]	447 [203]	447 [203]	450 [204]	450 [204]
Ship Weight lbs. [kg]	455 [206]	455 [206]	458 [208]	458 [208]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model RACAZR Series	060AJT
Cooling Performance[1]	
Gross Cooling Capacity Btu [kW]	58,500 [17.14]
EER2/SEER2 (1-phase)[2]	10.6/13.4
EER/SEER (3-phase)[2]	—
Nominal CFM/AHRI Rated CFM [L/s]	2000/1700 [944/802]
AHRI Net Cooling Capacity Btu [kW]	56,000 [16.41]
Net Sensible Capacity Btu [kW]	40,000 [11.72]
Net Latent Capacity Btu [kW]	16,000 [4.69]
Net System Power kW	5.16
Compressor	
No./Type	1/Scroll
Outdoor Sound Rating (dB)[3]	77
Outdoor Coil—Fin Type	Louvered
Tube Type	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]
Face Area sq. ft. [sq. m]	15.37 [1.43]
Rows / FPI [FPcm]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered
Tube Type	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]
Face Area sq. ft. [sq. m]	3.96 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]
Refrigerant Control	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1
CFM [L/s]	4300 [2029]
No. Motors/HP	1 at 1/2 HP
Motor RPM	1050
Indoor Fan—Type	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]
Drive Type	Direct
No. Speeds	Multiple
No. Motors	1
Motor HP	1
Motor RPM	1050
Motor Frame Size	48
Filter—Type	Field Supplied
Furnished	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	89.6 [2540]
Weights	
Net Weight lbs. [kg]	450 [204]
Ship Weight lbs. [kg]	458 [208]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures for 1-Phase models. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures for 3-Phase models.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—RACAZR024AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			900 [425]	810 [382]	700 [330]	900 [425]	810 [382]	700 [330]	900 [425]	810 [382]	700 [330]	
DR ①			0.17	0.19	0.22	0.17	0.19	0.22	0.17	0.19	0.22	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	29.4 [8.6]	28.8 [8.4]	28.1 [8.2]	27.7 [8.1]	27.1 [7.9]	26.5 [7.8]	26.8 [7.9]	26.3 [7.7]	25.6 [7.5]	
		Sens BTUH [kW]	17.4 [5.1]	15.9 [4.7]	14.2 [4.2]	20.7 [6.1]	19.1 [5.6]	17.3 [5.1]	23.9 [7.0]	22.2 [6.5]	20.1 [5.9]	
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
	80 [26.7]	Total BTUH [kW]	28.5 [8.4]	27.9 [8.2]	27.3 [8.0]	26.8 [7.9]	26.3 [7.7]	25.6 [7.5]	25.9 [7.6]	25.4 [7.4]	24.8 [7.3]	
		Sens BTUH [kW]	16.9 [5.0]	15.5 [4.5]	14.0 [4.1]	20.2 [5.9]	18.7 [5.5]	16.9 [5.0]	23.4 [6.9]	21.7 [6.4]	19.8 [5.8]	
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	85 [29.4]	Total BTUH [kW]	27.6 [8.1]	27.1 [7.9]	26.4 [7.7]	25.9 [7.6]	25.4 [7.4]	24.8 [7.3]	25.1 [7.4]	24.6 [7.2]	24.0 [7.0]	
		Sens BTUH [kW]	16.4 [4.8]	15.1 [4.4]	13.5 [4.0]	19.7 [5.8]	18.2 [5.3]	16.5 [4.8]	23.0 [6.7]	21.4 [6.3]	19.5 [5.7]	
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	90 [32.2]	Total BTUH [kW]	26.8 [7.9]	26.2 [7.7]	25.6 [7.5]	25.1 [7.4]	24.6 [7.2]	24.0 [7.0]	24.2 [7.1]	23.7 [6.9]	23.1 [6.8]	
		Sens BTUH [kW]	16.0 [4.7]	14.6 [4.3]	13.1 [3.8]	19.4 [5.7]	17.9 [5.2]	16.2 [4.7]	22.5 [6.6]	20.9 [6.1]	19.0 [5.6]	
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	95 [35]	Total BTUH [kW]	25.9 [7.6]	25.4 [7.4]	24.7 [7.2]	24.2 [7.1]	23.7 [6.9]	23.1 [6.8]	23.3 [6.8]	22.8 [6.7]	22.3 [6.5]	
		Sens BTUH [kW]	15.5 [4.5]	14.2 [4.2]	12.6 [3.7]	18.8 [5.5]	17.4 [5.1]	15.7 [4.6]	22.0 [6.4]	20.4 [6.0]	18.6 [5.4]	
		Power	1.9	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.8	
	100 [37.8]	Total BTUH [kW]	25.0 [7.3]	24.5 [7.2]	23.9 [7.0]	23.3 [6.8]	22.8 [6.7]	22.2 [6.5]	22.4 [6.6]	21.9 [6.4]	21.4 [6.3]	
		Sens BTUH [kW]	15.0 [4.4]	13.8 [4.0]	12.4 [3.6]	18.3 [5.4]	16.9 [5.0]	15.3 [4.5]	21.6 [6.3]	20.0 [5.9]	18.3 [5.4]	
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	2.0	1.9	
	105 [40.6]	Total BTUH [kW]	24.0 [7.0]	23.6 [6.9]	23.0 [6.7]	22.3 [6.5]	21.9 [6.4]	21.4 [6.3]	21.5 [6.3]	21.0 [6.2]	20.5 [6.0]	
		Sens BTUH [kW]	14.4 [4.2]	13.3 [3.9]	11.9 [3.5]	17.8 [5.2]	16.5 [4.8]	15.0 [4.4]	21.0 [6.2]	19.5 [5.7]	17.8 [5.2]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	110 [43.3]	Total BTUH [kW]	23.1 [6.8]	22.6 [6.6]	22.1 [6.5]	21.4 [6.3]	21.0 [6.2]	20.5 [6.0]	20.5 [6.0]	20.1 [5.9]	19.6 [5.7]	
		Sens BTUH [kW]	14.0 [4.1]	12.8 [3.8]	11.5 [3.4]	17.3 [5.1]	16.0 [4.7]	14.5 [4.2]	20.4 [6.0]	19.0 [5.6]	17.3 [5.1]	
		Power	2.3	2.2	2.2	2.3	2.2	2.2	2.3	2.2	2.2	
	115 [46.1]	Total BTUH [kW]	22.1 [6.5]	21.7 [6.4]	21.2 [6.2]	20.5 [6.0]	20.0 [5.9]	19.6 [5.7]	19.6 [5.7]	19.2 [5.6]	18.7 [5.5]	
		Sens BTUH [kW]	13.4 [3.9]	12.3 [3.6]	11.1 [3.3]	16.8 [4.9]	15.5 [4.5]	14.1 [4.1]	19.6 [5.7]	18.6 [5.4]	17.0 [5.0]	
		Power	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR030AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1120 [529]	980 [463]	880 [415]	1120 [529]	980 [463]	880 [415]	1120 [529]	980 [463]	880 [415]	
DR ①			0.11	0.13	0.15	0.11	0.13	0.15	0.11	0.13	0.15	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.4 [10.7]	35.5 [10.4]	34.8 [10.2]	34.3 [10.0]	33.5 [9.8]	32.8 [9.6]	32.9 [9.6]	32.0 [9.4]	31.4 [9.2]	
		Sens BTUH [kW]	23.0 [6.7]	20.7 [6.1]	19.0 [5.6]	26.6 [7.8]	24.1 [7.1]	22.3 [6.5]	30.3 [8.9]	27.5 [8.1]	25.6 [7.5]	
		Power	1.8	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.7	
	80 [26.7]	Total BTUH [kW]	35.4 [10.4]	34.5 [10.1]	33.8 [9.9]	33.3 [9.8]	32.5 [9.5]	31.9 [9.3]	31.8 [9.3]	31.0 [9.1]	30.5 [8.9]	
		Sens BTUH [kW]	22.4 [6.6]	20.1 [5.9]	18.5 [5.4]	26.0 [7.6]	23.6 [6.9]	21.9 [6.4]	29.7 [8.7]	27.0 [7.9]	25.2 [7.4]	
		Power	1.9	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.8	
	85 [29.4]	Total BTUH [kW]	34.3 [10.0]	33.4 [9.8]	32.8 [9.6]	32.3 [9.5]	31.5 [9.2]	30.9 [9.1]	30.8 [9.0]	30.0 [8.8]	29.5 [8.6]	
		Sens BTUH [kW]	21.8 [6.4]	19.5 [5.7]	18.0 [5.3]	25.5 [7.5]	23.1 [6.8]	21.4 [6.3]	29.1 [8.5]	26.5 [7.8]	24.8 [7.3]	
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	2.0	1.9	
	90 [32.2]	Total BTUH [kW]	33.3 [9.8]	32.4 [9.5]	31.8 [9.3]	31.2 [9.1]	30.4 [8.9]	29.9 [8.8]	29.7 [8.7]	29.0 [8.5]	28.5 [8.4]	
		Sens BTUH [kW]	21.3 [6.2]	19.1 [5.6]	17.6 [5.2]	24.9 [7.3]	22.5 [6.6]	21.0 [6.2]	28.5 [8.4]	26.0 [7.6]	24.3 [7.1]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	95 [35]	Total BTUH [kW]	32.2 [9.4]	31.4 [9.2]	30.8 [9.0]	30.1 [8.8]	29.4 [8.6]	28.8 [8.4]	28.7 [8.4]	27.9 [8.2]	27.4 [8.0]	
		Sens BTUH [kW]	20.7 [6.1]	18.6 [5.4]	17.1 [5.0]	24.3 [7.1]	22.1 [6.5]	20.5 [6.0]	28.1 [8.2]	25.5 [7.5]	23.8 [7.0]	
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	100 [37.8]	Total BTUH [kW]	31.1 [9.1]	30.3 [8.9]	29.7 [8.7]	29.0 [8.5]	28.3 [8.3]	27.8 [8.1]	27.6 [8.1]	26.9 [7.9]	26.4 [7.7]	
		Sens BTUH [kW]	20.2 [5.9]	18.1 [5.3]	16.7 [4.9]	23.8 [7.0]	21.6 [6.3]	20.1 [5.9]	27.4 [8.0]	25.0 [7.3]	23.3 [6.8]	
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3	
	105 [40.6]	Total BTUH [kW]	29.9 [8.8]	29.2 [8.6]	28.6 [8.4]	27.9 [8.2]	27.2 [8.0]	26.7 [7.8]	26.4 [7.7]	25.8 [7.6]	25.3 [7.4]	
		Sens BTUH [kW]	19.5 [5.7]	17.6 [5.2]	16.2 [4.7]	23.3 [6.8]	21.1 [6.2]	19.6 [5.7]	26.4 [7.7]	24.6 [7.2]	23.0 [6.7]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	110 [43.3]	Total BTUH [kW]	28.8 [8.4]	28.1 [8.2]	27.5 [8.1]	26.7 [7.8]	26.1 [7.6]	25.6 [7.5]	25.3 [7.4]	24.6 [7.2]	24.2 [7.1]	
		Sens BTUH [kW]	19.1 [5.6]	17.2 [5.0]	15.8 [4.6]	22.6 [6.6]	20.6 [6.0]	19.1 [5.6]	25.3 [7.4]	24.0 [7.0]	22.5 [6.6]	
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.7	2.6	2.6	
	115 [46.1]	Total BTUH [kW]	27.6 [8.1]	26.9 [7.9]	26.4 [7.7]	25.6 [7.5]	24.9 [7.3]	24.5 [7.2]	24.1 [7.1]	23.5 [6.9]	23.1 [6.8]	
		Sens BTUH [kW]	18.5 [5.4]	16.6 [4.9]	15.3 [4.5]	22.2 [6.5]	20.1 [5.9]	18.8 [5.5]	24.1 [7.1]	23.5 [6.9]	22.0 [6.4]	
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR036A(C/D)T

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1350 [637]	1180 [557]	1050 [496]	1350 [637]	1180 [557]	1050 [496]	1350 [637]	1180 [557]	1050 [496]	
DR ①			0.14	0.16	0.19	0.14	0.16	0.19	0.14	0.16	0.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.2 [13.0]	43.1 [12.6]	42.2 [12.4]	41.2 [12.1]	40.2 [11.8]	39.4 [11.5]	38.8 [11.4]	37.9 [11.1]	37.1 [10.9]	
		Sens BTUH [kW]	26.7 [7.8]	23.9 [7.0]	21.8 [6.4]	31.4 [9.2]	28.4 [8.3]	26.2 [7.7]	35.2 [10.3]	32.1 [9.4]	29.7 [8.7]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	80 [26.7]	Total BTUH [kW]	43.0 [12.6]	41.9 [12.3]	41.1 [12.0]	40.0 [11.7]	39.0 [11.4]	38.2 [11.2]	37.6 [11.0]	36.7 [10.8]	35.9 [10.5]	
		Sens BTUH [kW]	26.1 [7.6]	23.4 [6.9]	21.4 [6.3]	30.7 [9.0]	27.8 [8.1]	25.6 [7.5]	34.6 [10.1]	31.5 [9.2]	29.1 [8.5]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	85 [29.4]	Total BTUH [kW]	41.7 [12.2]	40.7 [11.9]	39.9 [11.7]	38.7 [11.3]	37.8 [11.1]	37.0 [10.8]	36.4 [10.7]	35.4 [10.4]	34.7 [10.2]	
		Sens BTUH [kW]	25.5 [7.5]	22.9 [6.7]	21.0 [6.2]	30.1 [8.8]	27.3 [8.0]	25.1 [7.4]	34.0 [10.0]	30.9 [9.1]	28.6 [8.4]	
		Power	2.3	2.3	2.2	2.3	2.2	2.2	2.3	2.2	2.2	
	90 [32.2]	Total BTUH [kW]	40.4 [11.8]	39.4 [11.5]	38.6 [11.3]	37.4 [11.0]	36.5 [10.7]	35.7 [10.5]	35.1 [10.3]	34.2 [10.0]	33.5 [9.8]	
		Sens BTUH [kW]	24.8 [7.3]	22.2 [6.5]	20.3 [5.9]	29.5 [8.6]	26.7 [7.8]	24.6 [7.2]	33.4 [9.8]	30.4 [8.9]	28.2 [8.3]	
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	95 [35]	Total BTUH [kW]	39.0 [11.4]	38.0 [11.1]	37.3 [10.9]	36.1 [10.6]	35.1 [10.3]	34.4 [10.1]	33.7 [9.9]	32.8 [9.6]	32.2 [9.4]	
		Sens BTUH [kW]	24.1 [7.1]	21.6 [6.3]	19.8 [5.8]	28.8 [8.4]	26.0 [7.6]	24.0 [7.0]	32.7 [9.6]	29.7 [8.7]	27.6 [8.1]	
		Power	2.6	2.5	2.5	2.6	2.5	2.5	2.6	2.5	2.5	
	100 [37.8]	Total BTUH [kW]	37.6 [11.0]	36.7 [10.8]	35.9 [10.5]	34.6 [10.1]	33.7 [9.9]	33.1 [9.7]	32.3 [9.5]	31.4 [9.2]	30.8 [9.0]	
		Sens BTUH [kW]	23.4 [6.9]	21.0 [6.2]	19.2 [5.6]	28.0 [8.2]	25.3 [7.4]	23.4 [6.9]	32.0 [9.4]	29.1 [8.5]	27.0 [7.9]	
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
	105 [40.6]	Total BTUH [kW]	36.1 [10.6]	35.2 [10.3]	34.5 [10.1]	33.1 [9.7]	32.3 [9.5]	31.6 [9.3]	30.8 [9.0]	30.0 [8.8]	29.4 [8.6]	
		Sens BTUH [kW]	22.6 [6.6]	20.3 [5.9]	18.6 [5.4]	27.2 [8.0]	24.7 [7.2]	22.8 [6.7]	30.8 [9.0]	28.4 [8.3]	26.4 [7.7]	
		Power	2.9	2.9	2.8	2.9	2.9	2.8	2.9	2.9	2.8	
	110 [43.3]	Total BTUH [kW]	34.6 [10.1]	33.7 [9.9]	33.0 [9.7]	31.6 [9.3]	30.8 [9.0]	30.2 [8.8]	29.2 [8.6]	28.5 [8.4]	27.9 [8.2]	
		Sens BTUH [kW]	21.9 [6.4]	19.6 [5.7]	17.9 [5.2]	26.5 [7.8]	24.0 [7.0]	22.2 [6.5]	29.2 [8.6]	27.7 [8.1]	25.7 [7.5]	
		Power	3.1	3.0	3.0	3.1	3.0	3.0	3.1	3.0	3.0	
	115 [46.1]	Total BTUH [kW]	33.0 [9.7]	32.1 [9.4]	31.5 [9.2]	30.0 [8.8]	29.2 [8.6]	28.6 [8.4]	27.6 [8.1]	26.9 [7.9]	26.4 [7.7]	
		Sens BTUH [kW]	21.0 [6.2]	18.8 [5.5]	17.3 [5.1]	25.6 [7.5]	23.2 [6.8]	21.4 [6.3]	27.6 [8.1]	26.9 [7.9]	25.0 [7.3]	
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR036AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1350 [637]	1180 [557]	1050 [496]	1350 [637]	1180 [557]	1050 [496]	1350 [637]	1180 [557]	1050 [496]	
DR ①			0.13	0.16	0.18	0.13	0.16	0.18	0.13	0.16	0.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.7 [13.1]	43.6 [12.8]	42.7 [12.5]	41.7 [12.2]	40.7 [11.9]	39.8 [11.7]	39.4 [11.5]	38.4 [11.3]	37.6 [11.0]	
		Sens BTUH [kW]	27.0 [7.9]	24.2 [7.1]	22.1 [6.5]	31.7 [9.3]	28.7 [8.4]	26.4 [7.7]	35.6 [10.4]	32.4 [9.5]	30.0 [8.8]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	80 [26.7]	Total BTUH [kW]	43.5 [12.7]	42.4 [12.4]	41.5 [12.2]	40.5 [11.9]	39.5 [11.6]	38.7 [11.3]	38.2 [11.2]	37.2 [10.9]	36.4 [10.7]	
		Sens BTUH [kW]	26.5 [7.8]	23.7 [6.9]	21.6 [6.3]	31.1 [9.1]	28.1 [8.2]	25.9 [7.6]	35.0 [10.3]	31.8 [9.3]	29.4 [8.6]	
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	
	85 [29.4]	Total BTUH [kW]	42.2 [12.4]	41.2 [12.1]	40.3 [11.8]	39.3 [11.5]	38.3 [11.2]	37.5 [11.0]	36.9 [10.8]	36.0 [10.5]	35.2 [10.3]	
		Sens BTUH [kW]	25.8 [7.6]	23.2 [6.8]	21.2 [6.2]	30.5 [8.9]	27.6 [8.1]	25.4 [7.4]	34.4 [10.1]	31.3 [9.2]	28.9 [8.5]	
		Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	
	90 [32.2]	Total BTUH [kW]	40.9 [12.0]	39.9 [11.7]	39.1 [11.5]	37.9 [11.1]	37.0 [10.8]	36.2 [10.6]	35.6 [10.4]	34.7 [10.2]	34.0 [10.0]	
		Sens BTUH [kW]	25.1 [7.4]	22.5 [6.6]	20.6 [6.0]	29.8 [8.7]	2.07 [7.9]	24.9 [7.3]	33.7 [9.9]	30.7 [9.0]	28.5 [8.4]	
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	95 [35]	Total BTUH [kW]	39.6 [11.6]	38.5 [11.3]	37.8 [11.1]	36.6 [10.7]	35.6 [10.4]	34.9 [10.2]	34.2 [10.0]	33.3 [9.8]	32.7 [9.6]	
		Sens BTUH [kW]	24.5 [7.2]	21.9 [6.4]	20.1 [5.9]	29.1 [8.5]	26.3 [7.7]	24.3 [7.1]	33.0 [9.7]	30.0 [8.8]	27.9 [8.2]	
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.6	2.5	
	100 [37.8]	Total BTUH [kW]	38.1 [11.2]	37.2 [10.9]	36.4 [10.7]	35.1 [10.3]	34.2 [10.0]	33.6 [9.8]	32.8 [9.6]	31.9 [9.3]	31.3 [9.2]	
		Sens BTUH [kW]	23.7 [6.9]	21.3 [6.2]	19.4 [5.7]	28.3 [8.3]	25.6 [7.5]	23.7 [6.9]	32.3 [9.5]	29.4 [8.6]	27.3 [8.0]	
		Power	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
	105 [40.6]	Total BTUH [kW]	36.6 [10.7]	35.7 [10.5]	35.0 [10.3]	33.7 [9.9]	32.8 [9.6]	32.1 [9.4]	31.3 [9.2]	30.5 [8.9]	29.9 [8.8]	
		Sens BTUH [kW]	22.9 [6.7]	20.6 [6.0]	18.9 [5.5]	27.6 [8.1]	25.0 [7.3]	23.1 [6.8]	31.3 [9.2]	28.7 [8.4]	26.7 [7.8]	
		Power	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9	2.8	
	110 [43.3]	Total BTUH [kW]	35.1 [10.3]	34.2 [10.0]	33.5 [9.8]	32.1 [9.4]	31.3 [9.2]	30.7 [9.0]	29.7 [8.7]	29.0 [8.5]	28.4 [8.3]	
		Sens BTUH [kW]	22.2 [6.5]	19.9 [5.8]	18.2 [5.3]	26.8 [7.9]	24.3 [7.1]	22.5 [6.6]	29.7 [8.7]	28.0 [8.2]	26.0 [7.6]	
		Power	3.1	3.1	3.0	3.1	3.0	3.0	3.1	3.0	3.0	
	115 [46.1]	Total BTUH [kW]	33.5 [9.8]	32.6 [9.6]	3.02 [9.4]	30.5 [8.9]	29.7 [8.7]	29.1 [8.5]	28.1 [8.2]	27.4 [8.0]	26.9 [7.9]	
		Sens BTUH [kW]	21.3 [6.2]	19.1 [5.6]	17.5 [5.1]	25.9 [7.6]	23.5 [6.9]	21.7 [6.4]	28.1 [8.2]	27.2 [8.0]	25.3 [7.4]	
		Power	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR042ACT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1580 [746]	1510 [713]	1220 [576]	1580 [746]	1510 [713]	1220 [576]	1580 [746]	1510 [713]	1220 [576]	
DR ①			0.17	0.17	0.2	0.17	0.17	0.2	0.17	0.17	0.2	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	51.4 [15.1]	51.0 [14.9]	49.2 [14.4]	48.3 [14.2]	47.9 [14.0]	46.2 [13.5]	45.8 [13.4]	45.4 [13.3]	43.8 [12.8]	
		Sens BTUH [kW]	30.9 [9.1]	29.8 [8.7]	25.5 [7.5]	36.1 [10.6]	34.9 [10.2]	30.2 [8.8]	40.0 [11.7]	38.8 [11.4]	33.9 [9.9]	
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	
	80 [26.7]	Total BTUH [kW]	50.0 [14.6]	49.6 [14.5]	47.8 [14.0]	46.9 [13.7]	46.5 [13.6]	44.9 [13.2]	44.4 [13.0]	44.0 [12.9]	42.5 [12.5]	
		Sens BTUH [kW]	30.1 [8.8]	29.1 [8.5]	24.9 [7.3]	35.3 [10.3]	34.2 [10.0]	29.7 [8.7]	39.3 [11.5]	38.1 [11.2]	33.3 [9.8]	
		Power	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	
	85 [29.4]	Total BTUH [kW]	48.5 [14.2]	48.1 [14.1]	46.4 [13.6]	45.4 [13.3]	45.0 [13.2]	43.5 [12.7]	42.9 [12.6]	42.6 [12.5]	41.1 [12.0]	
		Sens BTUH [kW]	29.3 [8.6]	28.3 [8.3]	24.2 [7.1]	34.5 [10.1]	33.4 [9.8]	29.0 [8.5]	38.5 [11.3]	37.4 [11.0]	32.7 [9.6]	
		Power	2.7	2.6	2.6	2.7	2.7	2.6	2.7	2.7	2.6	
	90 [32.2]	Total BTUH [kW]	47.0 [13.8]	46.6 [13.7]	45.0 [13.2]	43.9 [12.9]	43.6 [12.8]	42.0 [12.3]	41.4 [12.1]	41.1 [12.0]	39.6 [11.6]	
		Sens BTUH [kW]	28.6 [8.4]	27.6 [8.1]	23.7 [6.9]	33.8 [9.9]	32.8 [9.6]	28.4 [8.3]	37.8 [11.1]	36.7 [10.8]	32.0 [9.4]	
		Power	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	95 [35]	Total BTUH [kW]	45.5 [13.3]	45.1 [13.2]	43.6 [12.8]	42.4 [12.4]	42.0 [12.3]	40.6 [11.9]	39.9 [11.7]	39.6 [11.6]	38.2 [11.2]	
		Sens BTUH [kW]	27.9 [8.2]	26.9 [7.9]	23.1 [6.8]	33.1 [9.7]	32.0 [9.4]	27.9 [8.2]	37.1 [10.9]	36.0 [10.5]	31.5 [9.2]	
		Power	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	
	100 [37.8]	Total BTUH [kW]	43.9 [12.9]	43.6 [12.8]	42.0 [12.3]	40.8 [12.0]	40.5 [11.9]	39.1 [11.5]	38.3 [11.2]	38.0 [11.1]	36.7 [10.8]	
		Sens BTUH [kW]	27.2 [8.0]	26.3 [7.7]	22.5 [6.6]	32.4 [9.5]	31.4 [9.2]	27.3 [8.0]	36.4 [10.7]	35.3 [10.3]	31.0 [9.1]	
		Power	3.2	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.1	
	105 [40.6]	Total BTUH [kW]	42.3 [12.4]	41.9 [12.3]	40.5 [11.9]	39.2 [11.5]	38.9 [11.4]	37.5 [11.0]	36.7 [10.8]	36.4 [10.7]	35.1 [10.3]	
		Sens BTUH [kW]	26.5 [7.8]	25.5 [7.5]	21.9 [6.4]	31.6 [9.3]	30.6 [9.0]	26.6 [7.8]	35.6 [10.4]	34.5 [10.1]	30.2 [8.8]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3	
	110 [43.3]	Total BTUH [kW]	40.6 [11.9]	40.3 [11.8]	38.9 [11.4]	37.5 [11.0]	37.2 [10.9]	35.9 [10.5]	35.0 [10.3]	34.7 [10.2]	33.5 [9.8]	
		Sens BTUH [kW]	25.6 [7.5]	24.8 [7.3]	21.3 [6.2]	30.9 [9.1]	29.9 [8.8]	26.0 [7.6]	34.8 [10.2]	33.8 [9.9]	29.7 [8.7]	
		Power	3.6	3.5	3.5	3.6	3.6	3.5	3.6	3.6	3.5	
	115 [46.1]	Total BTUH [kW]	38.9 [11.4]	38.6 [11.3]	37.2 [10.9]	35.8 [10.5]	35.5 [10.4]	34.3 [10.0]	33.3 [9.8]	33.0 [9.7]	31.8 [9.3]	
		Sens BTUH [kW]	24.9 [7.3]	24.1 [7.1]	20.7 [6.1]	30.0 [8.8]	29.1 [8.5]	25.4 [7.4]	33.3 [9.8]	33.0 [9.7]	28.9 [8.5]	
		Power	3.8	3.7	3.7	3.8	3.8	3.7	3.8	3.8	3.7	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR042AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1580 [746]	1510 [713]	1220 [576]	1580 [746]	1510 [713]	1220 [576]	1580 [746]	1510 [713]	1220 [576]	
DR ①			0.15	0.16	0.19	0.15	0.16	0.19	0.15	0.16	0.19	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	51.8 [15.2]	51.4 [15.1]	49.6 [14.5]	48.7 [14.3]	48.3 [14.2]	46.6 [13.7]	46.2 [13.5]	45.8 [13.4]	44.2 [13.0]	
		Sens BTUH [kW]	31.3 [9.2]	30.2 [8.8]	25.9 [7.6]	36.5 [10.7]	35.3 [10.3]	30.6 [9.0]	40.5 [11.9]	39.2 [11.5]	34.2 [10.0]	
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3	
	80 [26.7]	Total BTUH [kW]	50.4 [14.8]	50.0 [14.6]	48.3 [14.2]	47.3 [13.9]	46.9 [13.7]	45.3 [13.3]	44.8 [13.1]	44.4 [13.0]	42.9 [12.6]	
		Sens BTUH [kW]	30.5 [8.9]	29.5 [8.6]	25.3 [7.4]	35.8 [10.5]	34.6 [10.1]	30.0 [8.8]	39.7 [11.6]	38.5 [11.3]	33.7 [9.9]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	85 [29.4]	Total BTUH [kW]	49.0 [14.4]	48.6 [14.2]	46.9 [13.7]	45.9 [13.4]	45.5 [13.3]	43.9 [12.9]	43.4 [12.7]	43.0 [12.6]	41.5 [12.2]	
		Sens BTUH [kW]	29.8 [8.7]	28.8 [8.4]	24.7 [7.2]	35.0 [10.3]	33.9 [9.9]	29.4 [8.6]	39.0 [11.4]	37.8 [11.1]	33.0 [9.7]	
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.7	2.6	
	90 [32.2]	Total BTUH [kW]	47.5 [13.9]	47.1 [13.8]	45.5 [13.3]	44.4 [13.0]	44.0 [12.9]	42.5 [12.5]	41.9 [12.3]	41.5 [12.2]	40.1 [11.7]	
		Sens BTUH [kW]	29.1 [8.5]	28.1 [8.2]	24.1 [7.1]	34.3 [10.0]	33.2 [9.7]	28.9 [8.5]	38.3 [11.2]	37.1 [10.9]	32.5 [9.5]	
		Power	2.9	2.8	2.8	2.9	2.8	2.8	2.9	2.9	2.8	
	95 [35]	Total BTUH [kW]	46.0 [13.5]	45.6 [13.4]	44.0 [12.9]	42.8 [12.5]	42.5 [12.5]	41.0 [12.0]	40.3 [11.8]	40.0 [11.7]	38.6 [11.3]	
		Sens BTUH [kW]	28.4 [8.3]	27.4 [8.0]	23.5 [6.9]	33.5 [9.8]	32.5 [9.5]	28.2 [8.3]	37.5 [11.0]	36.4 [10.7]	31.9 [9.3]	
		Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
	100 [37.8]	Total BTUH [kW]	44.4 [13.0]	44.0 [12.9]	42.5 [12.5]	41.3 [12.1]	40.9 [12.0]	39.5 [11.6]	38.8 [11.4]	38.4 [11.3]	37.1 [10.9]	
		Sens BTUH [kW]	27.7 [8.1]	26.7 [7.8]	22.9 [6.7]	32.9 [9.6]	31.8 [9.3]	27.7 [8.1]	36.9 [10.8]	35.7 [10.5]	31.3 [9.2]	
		Power	3.2	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.2	
	105 [40.6]	Total BTUH [kW]	42.7 [12.5]	42.4 [12.4]	40.9 [12.0]	39.6 [11.6]	39.3 [11.5]	37.9 [11.1]	37.1 [10.9]	36.8 [10.8]	35.5 [10.4]	
		Sens BTUH [kW]	26.9 [7.9]	26.0 [7.6]	22.3 [6.5]	32.0 [9.4]	31.0 [9.1]	26.9 [7.9]	36.0 [10.5]	34.9 [10.2]	30.6 [9.0]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3	
	110 [43.3]	Total BTUH [kW]	41.1 [12.0]	40.7 [11.9]	39.3 [11.5]	38.0 [11.1]	37.6 [11.0]	36.3 [10.6]	35.4 [10.4]	35.2 [10.3]	33.9 [9.9]	
		Sens BTUH [kW]	26.2 [7.7]	25.2 [7.4]	21.7 [6.4]	31.4 [9.2]	30.3 [8.9]	26.4 [7.7]	35.2 [10.3]	34.3 [10.0]	30.0 [8.8]	
		Power	3.6	3.6	3.5	3.6	3.6	3.5	3.6	3.6	3.5	
	115 [46.1]	Total BTUH [kW]	39.4 [11.5]	39.0 [11.4]	37.7 [11.0]	36.2 [10.6]	35.9 [10.5]	34.7 [10.2]	33.7 [9.9]	33.4 [9.8]	32.3 [9.5]	
		Sens BTUH [kW]	25.4 [7.4]	24.5 [7.2]	21.1 [6.2]	30.4 [8.9]	29.5 [8.6]	25.8 [7.6]	33.7 [9.9]	33.4 [9.8]	29.4 [8.6]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.8	3.8	3.7	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR048A(C/D)T

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1800 [850]	1730 [817]	1400 [661]	1800 [850]	1730 [817]	1400 [661]	1800 [850]	1730 [817]	1400 [661]	
DR ①			0.19	0.2	0.24	0.19	0.2	0.24	0.19	0.2	0.24	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.2 [17.1]	57.7 [16.9]	55.7 [16.3]	54.1 [15.9]	53.7 [15.7]	51.8 [15.2]	50.7 [14.9]	50.3 [14.7]	48.6 [14.2]	
		Sens BTUH [kW]	33.0 [9.7]	31.9 [9.3]	27.2 [8.0]	39.3 [11.5]	38.2 [11.2]	33.1 [9.7]	44.0 [12.9]	42.8 [12.5]	37.4 [11.0]	
		Power	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
	80 [26.7]	Total BTUH [kW]	56.9 [16.7]	56.5 [16.6]	54.5 [16.0]	52.8 [15.5]	52.4 [15.4]	50.6 [14.8]	49.4 [14.5]	49.1 [14.4]	47.4 [13.9]	
		Sens BTUH [kW]	32.5 [9.5]	31.5 [9.2]	26.9 [7.9]	38.9 [11.4]	37.8 [11.1]	32.8 [9.6]	43.5 [12.7]	42.4 [12.4]	37.1 [10.9]	
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	
	85 [29.4]	Total BTUH [kW]	55.5 [16.3]	55.1 [16.1]	53.2 [15.6]	51.4 [15.1]	51.0 [14.9]	49.3 [14.4]	48.1 [14.1]	47.7 [14.0]	46.1 [13.5]	
		Sens BTUH [kW]	32.0 [9.4]	31.0 [9.1]	26.5 [7.8]	38.4 [11.3]	37.3 [10.9]	32.4 [9.5]	43.1 [12.6]	41.9 [12.3]	36.7 [10.8]	
		Power	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1	
	90 [32.2]	Total BTUH [kW]	54.0 [15.8]	53.6 [15.7]	51.8 [15.2]	49.9 [14.6]	49.5 [14.5]	47.8 [14.0]	46.6 [13.7]	46.2 [13.5]	44.6 [13.1]	
		Sens BTUH [kW]	31.4 [9.2]	30.4 [8.9]	26.1 [7.6]	37.7 [11.0]	36.6 [10.7]	31.8 [9.3]	42.5 [12.5]	41.3 [12.1]	36.2 [10.6]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.3	3.3	3.3	
	95 [35]	Total BTUH [kW]	52.4 [15.4]	52.0 [15.2]	50.2 [14.7]	48.3 [14.2]	48.0 [14.1]	46.3 [13.6]	45.0 [13.2]	44.6 [13.1]	43.1 [12.6]	
		Sens BTUH [kW]	30.6 [9.0]	29.6 [8.7]	25.3 [7.4]	37.0 [10.8]	36.0 [10.5]	31.2 [9.1]	41.7 [12.2]	40.5 [11.9]	35.5 [10.4]	
		Power	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	
	100 [37.8]	Total BTUH [kW]	50.7 [14.9]	50.3 [14.7]	48.6 [14.2]	46.6 [13.7]	46.3 [13.6]	44.7 [13.1]	43.3 [12.7]	43.0 [12.6]	41.5 [12.2]	
		Sens BTUH [kW]	29.8 [8.7]	28.8 [8.4]	24.7 [7.2]	36.1 [10.6]	35.1 [10.3]	30.5 [8.9]	40.9 [12.0]	39.8 [11.7]	34.9 [10.2]	
		Power	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	
	105 [40.6]	Total BTUH [kW]	48.9 [14.3]	48.6 [14.2]	46.9 [13.7]	44.8 [13.1]	44.5 [13.0]	42.9 [12.6]	41.5 [12.2]	41.2 [12.1]	39.7 [11.6]	
		Sens BTUH [kW]	28.7 [8.4]	27.9 [8.2]	23.9 [7.0]	35.2 [10.3]	34.2 [10.0]	29.7 [8.7]	39.8 [11.7]	38.8 [11.4]	34 [10.0]	
		Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8	
	110 [43.3]	Total BTUH [kW]	47.0 [13.8]	46.7 [13.7]	45.0 [13.2]	42.9 [12.6]	42.6 [12.5]	41.1 [12.0]	39.6 [11.6]	39.3 [11.5]	37.9 [11.1]	
		Sens BTUH [kW]	27.7 [8.1]	26.9 [7.9]	23.0 [6.7]	34.0 [10.0]	33.1 [9.7]	28.8 [8.4]	38.8 [11.4]	37.8 [11.1]	33.2 [9.7]	
		Power	4.1	4.1	4.1	4.1	4.1	4.0	4.1	4.1	4	
	115 [46.1]	Total BTUH [kW]	45.0 [13.2]	44.7 [13.1]	43.1 [12.6]	40.9 [12.0]	40.6 [11.9]	39.2 [11.5]	37.5 [11.0]	37.3 [10.9]	36.0 [10.5]	
		Sens BTUH [kW]	26.5 [7.8]	25.7 [7.5]	22.0 [6.4]	32.8 [9.6]	31.9 [9.3]	27.8 [8.1]	37.5 [11.0]	36.6 [10.7]	32.2 [9.4]	
		Power	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.3	4.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR048AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			1800 [850]	1730 [817]	1400 [661]	1800 [850]	1730 [817]	1400 [661]	1800 [850]	1730 [817]	1400 [661]	
DR ①			0.18	0.19	0.22	0.18	0.19	0.22	0.18	0.19	0.22	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.7 [17.2]	58.3 [17.1]	56.3 [16.5]	54.6 [16.0]	54.2 [15.9]	52.4 [15.4]	51.3 [15.0]	50.9 [14.9]	49.2 [14.4]	
		Sens BTUH [kW]	33.5 [9.8]	32.5 [9.5]	27.8 [8.1]	39.8 [11.7]	38.7 [11.3]	33.6 [9.8]	44.6 [13.1]	43.4 [12.7]	38.0 [11.1]	
		Power	3.0	3.0	3.0	3	3.0	2.9	3.0	3.0	2.9	
	80 [26.7]	Total BTUH [kW]	57.5 [16.8]	57.0 [16.7]	55.1 [16.1]	53.4 [15.6]	53.0 [15.5]	51.1 [15.0]	50.0 [14.6]	49.6 [14.5]	47.9 [14.0]	
		Sens BTUH [kW]	33.1 [9.7]	32.0 [9.4]	27.4 [8.0]	39.5 [11.6]	38.4 [11.3]	33.3 [9.8]	44.1 [12.9]	42.9 [12.6]	37.5 [11.0]	
		Power	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0	
	85 [29.4]	Total BTUH [kW]	56.1 [16.4]	55.7 [16.3]	53.7 [15.7]	52.0 [15.2]	51.6 [15.1]	49.8 [14.6]	48.6 [14.2]	48.3 [14.2]	46.6 [13.7]	
		Sens BTUH [kW]	32.6 [9.6]	31.6 [9.3]	27.0 [7.9]	39.0 [11.4]	37.9 [11.1]	32.9 [9.6]	43.6 [12.8]	42.5 [12.5]	37.2 [10.9]	
		Power	3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.2	3.2	
	90 [32.2]	Total BTUH [kW]	54.6 [16.0]	54.2 [15.9]	52.3 [15.3]	50.5 [14.8]	50.1 [14.7]	48.4 [14.2]	47.1 [13.8]	46.8 [13.7]	45.2 [13.2]	
		Sens BTUH [kW]	32.0 [9.4]	31.0 [9.1]	26.5 [7.8]	38.3 [11.2]	37.2 [10.9]	32.3 [9.5]	43.0 [12.6]	41.9 [12.3]	36.7 [10.8]	
		Power	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	
	95 [35]	Total BTUH [kW]	53.0 [15.5]	52.6 [15.4]	50.8 [14.9]	48.9 [14.3]	48.5 [14.2]	46.8 [13.7]	45.5 [13.3]	45.2 [13.2]	43.6 [12.8]	
		Sens BTUH [kW]	31.2 [9.1]	30.2 [8.8]	25.9 [7.6]	37.6 [11.0]	36.5 [10.7]	31.7 [9.3]	42.2 [12.4]	41.1 [12.0]	36.0 [10.5]	
		Power	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.5	
	100 [37.8]	Total BTUH [kW]	51.3 [15.0]	50.9 [14.9]	49.2 [14.4]	47.2 [13.8]	46.8 [13.7]	45.2 [13.2]	43.8 [12.8]	43.5 [12.7]	42.0 [12.3]	
		Sens BTUH [kW]	30.4 [8.9]	29.4 [8.6]	25.2 [7.4]	36.7 [10.8]	35.6 [10.4]	31.0 [9.1]	41.4 [12.1]	40.3 [11.8]	35.3 [10.3]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.7	3.7	3.7	
	105 [40.6]	Total BTUH [kW]	49.5 [14.5]	49.1 [14.4]	47.4 [13.9]	45.4 [13.3]	45.0 [13.2]	43.5 [12.7]	42.0 [12.3]	41.7 [12.2]	40.3 [11.8]	
		Sens BTUH [kW]	29.3 [8.6]	28.4 [8.3]	24.3 [7.1]	35.8 [10.5]	34.7 [10.2]	30.2 [8.8]	40.3 [11.8]	39.3 [11.5]	34.5 [10.1]	
		Power	4.0	4.0	3.9	4.0	3.9	3.9	3.9	3.9	3.8	
	110 [43.3]	Total BTUH [kW]	47.6 [13.9]	47.2 [13.8]	45.6 [13.4]	43.5 [12.7]	43.2 [12.7]	41.7 [12.2]	40.1 [11.7]	39.8 [11.7]	38.5 [11.3]	
		Sens BTUH [kW]	28.3 [8.3]	27.4 [8.0]	23.5 [6.9]	34.6 [10.1]	33.7 [9.9]	29.3 [8.6]	39.3 [11.5]	38.3 [11.2]	33.7 [9.9]	
		Power	4.2	4.2	4.1	4.2	4.1	4.1	4.1	4.1	4.0	
	115 [46.1]	Total BTUH [kW]	45.6 [13.4]	45.2 [13.2]	43.7 [12.8]	41.5 [12.2]	41.1 [12.0]	39.7 [11.6]	38.1 [11.2]	37.8 [11.1]	36.5 [10.7]	
		Sens BTUH [kW]	27.1 [7.9]	26.2 [7.7]	22.5 [6.6]	33.4 [9.8]	32.4 [9.5]	28.2 [8.3]	38.1 [11.2]	37.1 [10.9]	32.6 [9.6]	
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.3	4.3	4.2	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR060A(C/D)T

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			2100 [991]	1700 [802]	1600 [755]	2100 [991]	1700 [802]	1600 [755]	2100 [991]	1700 [802]	1600 [755]	
DR ①			0.03	0.09	0.1	0.03	0.09	0.1	0.03	0.09	0.1	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	73.8 [21.6]	70.7 [20.7]	70.0 [20.5]	68.8 [20.2]	66.0 [19.3]	65.2 [19.1]	64.4 [18.9]	61.7 [18.1]	61.1 [17.9]	
		Sens BTUH [kW]	47.1 [13.8]	39.3 [11.5]	37.5 [11.0]	54.5 [16.0]	46.3 [13.6]	44.3 [13.0]	60.9 [17.8]	52.2 [15.3]	50.2 [14.7]	
		Power	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.6	
	80 [26.7]	Total BTUH [kW]	71.9 [21.1]	68.9 [20.2]	68.2 [20.0]	66.9 [19.6]	64.1 [18.8]	63.4 [18.6]	62.5 [18.3]	59.9 [17.6]	59.3 [17.4]	
		Sens BTUH [kW]	46.1 [13.5]	38.5 [11.3]	36.8 [10.8]	53.4 [15.6]	45.3 [13.3]	43.4 [12.7]	59.9 [17.6]	51.4 [15.1]	49.4 [14.5]	
		Power	3.9	3.8	3.8	3.9	3.8	3.8	3.8	3.7	3.7	
	85 [29.4]	Total BTUH [kW]	69.9 [20.5]	67.0 [19.6]	66.3 [19.4]	64.9 [19.0]	62.2 [18.2]	61.5 [18.0]	60.5 [17.7]	58.0 [17.0]	57.4 [16.8]	
		Sens BTUH [kW]	44.8 [13.1]	37.5 [11.0]	35.8 [10.5]	52.3 [15.3]	44.4 [13.0]	42.5 [12.5]	58.7 [17.2]	50.4 [14.8]	48.4 [14.2]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.0	3.9	3.9	
	90 [32.2]	Total BTUH [kW]	67.8 [19.9]	65.0 [19.0]	64.3 [18.8]	62.8 [18.4]	60.2 [17.6]	59.6 [17.5]	58.4 [17.1]	56.0 [16.4]	55.4 [16.2]	
		Sens BTUH [kW]	43.5 [12.7]	36.4 [10.7]	34.7 [10.2]	50.9 [14.9]	43.3 [12.7]	41.5 [12.2]	57.4 [16.8]	49.3 [14.4]	47.4 [13.9]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.1	4.1	
	95 [35]	Total BTUH [kW]	65.6 [19.2]	62.9 [18.4]	62.3 [18.3]	60.6 [17.8]	58.1 [17.0]	57.5 [16.8]	56.2 [16.5]	53.9 [15.8]	53.3 [15.6]	
		Sens BTUH [kW]	42.1 [12.3]	35.2 [10.3]	33.7 [9.9]	49.5 [14.5]	42.1 [12.3]	40.4 [11.8]	55.9 [16.4]	48.1 [14.1]	46.2 [13.5]	
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.4	4.3	4.3	
	100 [37.8]	Total BTUH [kW]	63.4 [18.6]	60.8 [17.8]	60.1 [17.6]	58.4 [17.1]	56.0 [16.4]	55.4 [16.2]	54.0 [15.8]	51.8 [15.2]	51.2 [15.0]	
		Sens BTUH [kW]	40.7 [11.9]	34.1 [10.0]	32.5 [9.5]	48.1 [14.1]	40.9 [12.0]	39.2 [11.5]	54.0 [15.8]	47.0 [13.8]	45.1 [13.2]	
		Power	4.8	4.7	4.6	4.7	4.6	4.6	4.7	4.6	4.5	
	105 [40.6]	Total BTUH [kW]	61.0 [17.9]	58.5 [17.1]	57.9 [17.0]	56.1 [16.4]	53.8 [15.8]	53.2 [15.6]	51.7 [15.1]	49.5 [14.5]	49.0 [14.4]	
		Sens BTUH [kW]	39.1 [11.5]	32.7 [9.6]	31.2 [9.1]	46.5 [13.6]	39.6 [11.6]	37.9 [11.1]	51.7 [15.1]	45.6 [13.4]	43.9 [12.9]	
		Power	5.0	4.9	4.9	5.0	4.9	4.8	4.9	4.8	4.8	
	110 [43.3]	Total BTUH [kW]	58.6 [17.2]	56.2 [16.5]	55.6 [16.3]	53.6 [15.7]	51.4 [15.1]	50.9 [14.9]	49.2 [14.4]	47.2 [13.8]	46.7 [13.7]	
		Sens BTUH [kW]	37.4 [11.0]	31.3 [9.2]	29.9 [8.8]	44.7 [13.1]	38.1 [11.2]	36.6 [10.7]	49.2 [14.4]	44.2 [13.0]	42.5 [12.5]	
		Power	5.3	5.2	5.1	5.2	5.1	5.1	5.2	5.1	5.0	
	115 [46.1]	Total BTUH [kW]	56.1 [16.4]	53.8 [15.8]	53.3 [15.6]	51.1 [15.0]	49.0 [14.4]	48.5 [14.2]	46.7 [13.7]	44.8 [13.1]	44.3 [13.0]	
		Sens BTUH [kW]	35.6 [10.4]	29.8 [8.7]	28.5 [8.4]	42.9 [12.6]	36.6 [10.7]	35.1 [10.3]	46.7 [13.7]	42.7 [12.5]	41.0 [12.0]	
		Power	5.5	5.4	5.4	5.5	5.4	5.3	5.4	5.3	5.3	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACAZR060AJT

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			2100 [991]	1700 [802]	1600 [755]	2100 [991]	1700 [802]	1600 [755]	2100 [991]	1700 [802]	1600 [755]	
DR ①			0.02	0.08	0.09	0.02	0.08	0.09	0.02	0.08	0.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	74.2 [21.7]	71.2 [20.9]	70.4 [20.6]	69.2 [20.3]	66.4 [19.5]	65.7 [19.2]	64.8 [19.0]	62.2 [18.2]	61.5 [18.0]	
		Sens BTUH [kW]	47.5 [13.9]	39.8 [11.7]	37.9 [11.1]	54.9 [16.1]	46.7 [13.7]	44.7 [13.1]	61.4 [18.0]	52.7 [15.4]	50.6 [14.8]	
		Power	3.8	3.7	3.7	3.7	3.6	3.6	3.7	3.6	3.6	
	80 [26.7]	Total BTUH [kW]	72.3 [21.2]	69.4 [20.3]	68.6 [20.1]	67.3 [19.7]	64.6 [18.9]	63.9 [18.7]	62.9 [18.4]	60.3 [17.7]	59.7 [17.5]	
		Sens BTUH [kW]	46.5 [13.6]	39.0 [11.4]	37.2 [10.9]	53.8 [15.8]	45.8 [13.4]	43.9 [12.9]	60.4 [17.7]	51.8 [15.2]	49.8 [14.6]	
		Power	3.9	3.9	3.8	3.9	3.8	3.8	3.8	3.8	3.7	
	85 [29.4]	Total BTUH [kW]	70.3 [20.6]	67.4 [19.7]	66.7 [19.5]	65.3 [19.1]	62.7 [18.4]	62 [18.2]	60.9 [17.8]	58.4 [17.1]	57.8 [16.9]	
		Sens BTUH [kW]	45.3 [13.3]	37.9 [11.1]	36.2 [10.6]	52.7 [15.4]	44.9 [13.2]	43 [12.6]	59.2 [17.3]	50.8 [14.9]	48.8 [14.3]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.0	3.9	3.9	
	90 [32.2]	Total BTUH [kW]	68.2 [20.0]	65.4 [19.2]	64.7 [19.0]	63.3 [18.5]	60.7 [17.8]	60.0 [17.6]	58.9 [17.3]	56.4 [16.5]	55.8 [16.3]	
		Sens BTUH [kW]	43.9 [12.9]	36.8 [10.8]	35.1 [10.3]	51.5 [15.1]	43.8 [12.8]	41.9 [12.3]	57.9 [17.0]	49.7 [14.6]	47.8 [14.0]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.1	4.1	
	95 [35]	Total BTUH [kW]	66.1 [19.4]	63.4 [18.6]	62.7 [18.4]	61.1 [17.9]	58.6 [17.2]	58.0 [17.0]	56.7 [16.6]	54.4 [15.9]	53.8 [15.8]	
		Sens BTUH [kW]	42.6 [12.5]	35.7 [10.5]	34.0 [10.0]	50.1 [14.7]	42.6 [12.5]	40.8 [12.0]	56.5 [16.6]	48.6 [14.2]	46.7 [13.7]	
		Power	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.3	
	100 [37.8]	Total BTUH [kW]	63.8 [18.7]	61.2 [17.9]	60.6 [17.8]	58.9 [17.3]	56.4 [16.5]	55.8 [16.3]	54.5 [16.0]	52.2 [15.3]	51.7 [15.1]	
		Sens BTUH [kW]	41.2 [12.1]	34.5 [10.1]	33.0 [9.7]	48.6 [14.2]	41.3 [12.1]	39.6 [11.6]	54.5 [16.0]	47.4 [13.9]	45.6 [13.4]	
		Power	4.8	4.7	4.7	4.7	4.6	4.6	4.7	4.6	4.6	
	105 [40.6]	Total BTUH [kW]	61.5 [18.0]	59.0 [17.3]	58.4 [17.1]	56.5 [16.6]	54.2 [15.9]	53.6 [15.7]	52.1 [15.3]	50.0 [14.6]	49.4 [14.5]	
		Sens BTUH [kW]	39.6 [11.6]	33.2 [9.7]	31.7 [9.3]	46.9 [13.7]	40.0 [11.7]	38.3 [11.2]	52.1 [15.3]	46.1 [13.5]	44.3 [13.0]	
		Power	5.0	4.9	4.9	5.0	4.9	4.8	4.9	4.8	4.8	
	110 [43.3]	Total BTUH [kW]	59.1 [17.3]	56.7 [16.6]	56.1 [16.4]	54.1 [15.9]	51.9 [15.2]	51.3 [15.0]	49.7 [14.6]	47.7 [14.0]	47.2 [13.8]	
		Sens BTUH [kW]	38.0 [11.1]	31.8 [9.3]	30.3 [8.9]	45.3 [13.3]	38.6 [11.3]	37.0 [10.8]	49.7 [14.6]	44.7 [13.1]	43.0 [12.6]	
		Power	5.3	5.2	5.1	5.2	5.1	5.1	5.2	5.1	5	
	115 [46.1]	Total BTUH [kW]	56.6 [16.6]	54.3 [15.9]	53.7 [15.7]	51.6 [15.1]	49.5 [14.5]	49.0 [14.4]	47.2 [13.8]	45.3 [13.3]	44.8 [13.1]	
		Sens BTUH [kW]	36.2 [10.6]	30.3 [8.9]	28.9 [8.5]	43.5 [12.7]	37.1 [10.9]	35.6 [10.4]	47.2 [13.8]	43.2 [12.7]	41.5 [12.2]	
		Power	5.6	5.4	5.4	5.5	5.4	5.4	5.4	5.3	5.3	

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2	700 CFM / 900 CFM	10X9 Blower 1/3 HP [249] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	757	651	570	488	414	335	283	251	201	144
							RPM	591	633	700	767	814	858	899	944	985	1032
							Watts	69	67	73	79	83	87	91	95	99	102
						Tap 2 - Elec. Heat	CFM	855	801	746	683	619	519	473	406	354	329
							RPM	639	691	748	806	855	921	953	994	1034	1061
							Watts	90	96	102	109	115	123	126	131	136	140
						Tap 3 - Low Static Cool	CFM	876	824	774	703	629	558	496	447	392	349
							RPM	660	699	753	816	866	925	964	997	1037	1067
							Watts	96	101	108	114	121	128	133	137	143	146
						Tap 4 - Med Static Cool*	CFM	1020	979	933	883	837	731	714	655	606	542
							RPM	725	771	819	867	911	983	1025	1065	1096	1130
							Watts	136	143	150	159	165	176	184	190	195	200
						Tap 5 - High Static Cool	CFM	1330	1294	1256	1220	1183	1145	1078	958	790	699
							RPM	886	911	952	990	1029	1069	1103	1127	1143	1156
							Watts	270	275	286	294	305	314	311	286	266	242
2.5 [8.79]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2	875 CFM / 1125 CFM	10X9 Blower 1/2 HP [372] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	751	650	536	464	391	322	296	259	214	165
							RPM	591	636	696	760	810	858	892	942	982	1019
							Watts	68	69	73	80	85	89	91	96	100	102
						Tap 2 - Elec. Heat	CFM	860	800	742	676	558	493	431	371	330	296
							RPM	630	693	748	809	851	907	949	987	1020	1059
							Watts	88	93	101	108	114	120	125	129	133	137
						Tap 3 - Low Static Cool	CFM	1101	1060	1016	973	929	882	833	777	712	665
							RPM	763	805	848	893	936	981	1029	1079	1123	1144
							Watts	160	167	175	184	191	199	208	217	224	229
						Tap 4 - Med Static Cool*	CFM	1222	1177	1145	1098	1064	1017	980	936	833	701
							RPM	830	874	909	947	981	1028	1070	1112	1153	1165
							Watts	209	219	226	234	242	251	261	270	265	253
						Tap 5 - High Static Cool	CFM	1631	1583	1537	1480	1406	1322	1216	1056	905	827
							RPM	1049	1080	1095	1111	1123	1136	1146	1158	1168	1170
							Watts	465	474	466	456	435	412	377	329	286	266

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
  (a) Use * marked tap for AHRI 210/240-2023
  (b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR (Con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1050 CFM / 1350 CFM	12x9T Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	969	802	692	558	460	396	326	293	252	188
							RPM	589	603	678	717	766	791	818	855	886	911
							Watts	106	93	101	106	112	117	120	125	130	133
						Tap 2 - Elec. Heat	CFM	1105	1050	1005	894	827	762	695	618	554	488
							RPM	644	690	729	804	848	879	908	944	968	990
							Watts	143	151	159	169	180	188	193	200	204	209
						Tap 3 - Low Static Cool	CFM	1321	1277	1237	1189	1152	1039	984	931	871	808
							RPM	738	774	808	846	876	957	990	1022	1047	1073
							Watts	222	231	240	249	257	280	287	295	302	309
						Tap 4 - Med Static Cool*	CFM	1476	1439	1406	1378	1331	1295	1186	1134	1086	1037
							RPM	809	843	872	901	937	964	1045	1076	1107	1139
							Watts	298	308	318	330	339	349	374	385	398	406
						Tap 5 - High Static Cool	CFM	1574	1538	1503	1469	1434	1401	1366	1268	1205	1125
							RPM	859	890	921	951	982	1009	1035	1110	1138	1149
							Watts	362	372	384	396	407	417	427	456	460	446

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
  (a) Use * marked tap for AHRI 210/240-2023
  (b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR (Con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.5 [12.31]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1225 CFM / 1575 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	1103	1050	959	872	803	725	654	558	482	415
							RPM	612	651	715	763	795	837	870	908	937	952
							Watts	132	140	152	160	166	174	180	188	193	196
						Tap 2 - Elec. Heat	CFM	1448	1402	1358	1313	1227	1164	1122	1058	1004	936
							RPM	750	780	812	844	906	946	967	1000	1032	1064
							Watts	256	265	274	283	302	313	320	329	340	351
						Tap 3 - Low Static Cool	CFM	1576	1532	1493	1452	1414	1311	1258	1223	1160	1114
							RPM	804	832	861	888	918	984	1019	1039	1070	1095
							Watts	321	330	340	348	359	382	393	401	412	421
						Tap 4 - Med Static Cool*	CFM	1734	1693	1644	1619	1582	1540	1463	1390	1312	1200
							RPM	867	896	917	939	967	992	1048	1092	1114	1130
							Watts	411	422	430	437	449	459	483	499	496	480
						Tap 5 - High Static Cool	CFM	1860	1824	1792	1760	1728	1691	1652	1495	1362	1258
							RPM	929	951	977	997	1023	1049	1071	1121	1134	1140
							Watts	509	519	533	541	554	566	577	560	530	504
4.0 [14.07]	Low Stage - Tap 3 High Stage - Tap 4	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1400 CFM / 1800 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1211	1050	935	837	755	694	622	535	475	426
							RPM	588	591	636	690	728	756	788	829	861	889
							Watts	139	120	122	132	137	143	148	154	160	166
						Tap 2 - Elec. Heat	CFM	1453	1400	1360	1304	1239	1155	1097	1036	987	921
							RPM	670	705	734	770	813	860	892	926	947	975
							Watts	215	226	233	243	255	268	277	286	292	300
						Tap 3 - Low Stage Cool	CFM	1404	1362	1311	1254	1168	1100	1026	976	914	860
							RPM	656	687	721	760	809	849	887	914	937	961
							Watts	200	209	218	227	241	251	260	268	274	280
						Tap 4 - High Stage Cool Med Static	CFM	1800	1759	1723	1687	1625	1577	1516	1465	1418	1370
							RPM	866	889	916	937	974	1001	1035	1063	1088	1112
							Watts	400	408	419	429	445	456	470	481	492	506
						Tap 5 - High Stage Cool *High Static	CFM	2048	2007	1977	1929	1896	1856	1823	1773	1725	1671
							RPM	966	993	1013	1041	1061	1085	1105	1133	1164	1181
							Watts	587	603	615	629	640	654	665	680	696	708

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
   (a) Use * marked tap for AHRI 210/240-2023
   (b) Use ** marked tap for AHRI 210/240-2017
(2) Grayed out portions not recommended for use in field.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR (Con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	Low Stage - Tap 3 High Stage - Tap 4	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1750 CFM / 2250 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1132	1056	997	903	834	785	701	641	570	519
							RPM	661	696	725	778	802	825	862	888	926	947
							Watts	136	143	148	159	162	168	177	180	189	198
						Tap 2 - Elec. Heat	CFM	1448	1403	1329	1274	1220	1158	1097	1029	973	932
							RPM	781	811	846	871	900	934	963	987	1007	1021
							Watts	251	258	266	273	282	293	303	309	319	326
						Tap 3 - Low Stage Cool	CFM	1476	1424	1349	1299	1242	1165	1106	1053	1001	962
							RPM	788	819	861	885	913	947	974	998	1018	1028
							Watts	258	264	280	287	295	305	313	321	331	337
						Tap 4 - High Stage Cool *Med Static	CFM	1985	1954	1916	1865	1831	1784	1744	1704	1663	1626
							RPM	997	1021	1044	1078	1099	1122	1143	1166	1186	1207
							Watts	599	612	624	640	652	666	677	689	700	711
						Tap 5 - High Stage Cool High Static	CFM	2226	2192	2160	2128	2086	2051	2010	1954	1921	1883
							RPM	1074	1101	1120	1138	1166	1187	1209	1240	1256	1274
							Watts	815	833	845	857	875	891	904	926	936	949

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
  (a) Use * marked tap for AHRI 210/240-2023
  (b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 3-PHASE) CONSTANT TORQUE MOTOR

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1050 CFM / 1350 CFM	12x9T Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	969	802	692	558	460	396	326	293	252	188
							RPM	589	603	678	717	766	791	818	855	886	911
							Watts	106	93	101	106	112	117	120	125	130	133
						Tap 2 - Elec. Heat	CFM	1105	1050	1005	894	827	762	695	618	554	488
							RPM	644	690	729	804	848	879	908	944	968	990
							Watts	143	151	159	169	180	188	193	200	204	209
						Tap 3 - Low Static Cool**	CFM	1321	1277	1237	1189	1152	1039	984	931	871	808
							RPM	738	774	808	846	876	957	990	1022	1047	1073
							Watts	222	231	240	249	257	280	287	295	302	309
						Tap 4 - Med Static Cool	CFM	1476	1439	1406	1378	1331	1295	1186	1134	1086	1037
							RPM	809	843	872	901	937	964	1045	1076	1107	1139
							Watts	298	308	318	330	339	349	374	385	398	406
						Tap 5 - High Static Cool	CFM	1574	1538	1503	1469	1434	1401	1366	1268	1205	1125
							RPM	859	890	921	951	982	1009	1035	1110	1138	1149
							Watts	362	372	384	396	407	417	427	456	460	446
4.0 [14.07]	Low Stage - Tap 3 High Stage - Tap 4	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1400 CFM / 1800 CFM	12x9T Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1107	1050	999	894	821	741	663	573	504	435
							RPM	614	656	690	755	794	831	867	913	932	955
							Watts	129	135	145	154	161	168	175	181	186	192
						Tap 2 - Elec. Heat	CFM	1442	1400	1360	1315	1263	1163	1125	1072	1013	934
							RPM	758	787	814	847	876	944	969	996	1029	1061
							Watts	248	258	264	274	282	302	310	315	327	338
						Tap 3 - Low Stage Cool	CFM	1325	1275	1231	1179	1080	1018	967	893	812	748
							RPM	702	735	766	800	867	902	930	962	995	1031
							Watts	195	206	212	221	237	245	251	261	268	278
						Tap 4 - High Stage Cool Med Static	CFM	1812	1767	1739	1706	1668	1634	1588	1546	1510	1273
							RPM	960	987	1006	1027	1047	1069	1095	1120	1137	1167
							Watts	458	470	478	488	497	504	518	530	537	485
						Tap 5 - High Stage Cool ** High Static	CFM	1858	1827	1797	1753	1722	1689	1639	1603	1542	1292
							RPM	982	1009	1027	1050	1072	1092	1119	1135	1144	1167
							Watts	500	512	520	531	542	551	563	565	555	486

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.

(a) Use * marked tap for AHRI 210/240-2023

(b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (208/230V, 3-PHASE) CONSTANT TORQUE MOTOR (Con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	Low Stage - Tap 3 High Stage - Tap 4	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1750 CFM / 2250 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1132	1056	997	903	834	785	701	641	570	519
							RPM	661	696	725	778	802	825	862	888	926	947
							Watts	136	143	148	159	162	168	177	180	189	198
						Tap 2 - Elec. Heat	CFM	1448	1403	1329	1274	1220	1158	1097	1029	973	932
							RPM	781	811	846	871	900	934	963	987	1007	1021
							Watts	251	258	266	273	282	293	303	309	319	326
						Tap 3 - Low Stage Cool	CFM	1381	1315	1253	1209	1151	1061	1002	937	865	816
							RPM	736	780	812	837	866	907	930	952	980	1005
							Watts	211	223	232	239	246	258	262	270	277	285
						Tap 4 - High Stage Cool ** Med Static	CFM	1872	1844	1769	1732	1694	1654	1593	1548	1496	1439
							RPM	943	961	990	1010	1033	1060	1082	1110	1132	1164
							Watts	493	501	505	515	525	539	550	564	573	589
						Tap 5 - High Stage Cool High Static	CFM	2226	2192	2160	2128	2086	2051	2010	1954	1921	1883
							RPM	1074	1101	1120	1138	1166	1187	1209	1240	1256	1274
							Watts	815	833	845	857	875	891	904	926	936	949

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
  (a) Use * marked tap for AHRI 210/240-2023
  (b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (460V, 3-PHASE) CONSTANT TORQUE MOTOR

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Tap 3	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1050 CFM / 1350 CFM	12x9T Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 - FAN	CFM	953	800	711	580	490	419	354	317	298	238
							RPM	584	613	671	720	764	795	818	844	890	918
							Watts	107	109	111	116	122	127	131	134	142	146
						Tap 2 - Elec. Heat	CFM	1092	1051	999	902	844	768	698	629	567	494
							RPM	646	684	727	803	842	883	913	949	968	998
							Watts	148	156	167	183	192	201	208	215	221	226
						Tap 3 - Low Static Cool**	CFM	1315	1274	1241	1197	1138	1065	1015	952	906	840
							RPM	737	774	807	845	893	950	983	1015	1046	1073
							Watts	234	244	254	265	280	297	307	318	326	335
						Tap 4 - Blank	CFM										
							RPM										
							Watts										
						Tap 5 - High Static Cool	CFM	1561	1531	1499	1462	1433	1394	1344	1290	1220	1126
							RPM	852	879	908	943	971	1000	1039	1080	1130	1149
							Watts	370	381	392	405	418	429	446	462	483	470
4.0 [14.07]	Low Stage - Tap 3 High Stage - Tap 4"	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1400 CFM / 1800 CFM	12x9T Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1105	1050	1008	910	838	772	699	608	535	469
							RPM	610	650	684	753	793	829	863	910	939	962
							Watts	134	143	149	167	172	179	187	197	204	208
						Tap 2 - Elec. Heat	CFM	1440	1400	1357	1322	1289	1199	1164	1109	1058	987
							RPM	752	788	825	852	878	945	962	997	1028	1059
							Watts	262	272	284	294	304	326	332	344	354	365
						Tap 3 - Low Stage Cool	CFM	1315	1272	1229	1188	1107	1051	997	931	862	797
							RPM	703	740	775	804	870	899	932	967	996	1025
							Watts	208	219	229	236	256	264	274	284	292	300
						Tap 4 - High Stage Cool Med Static	CFM	1802	1764	1735	1701	1666	1630	1599	1564	1452	1354
							RPM	903	938	957	985	1012	1039	1060	1085	1142	1150
							Watts	478	488	501	514	527	538	550	559	570	545
						Tap 5 - High Stage Cool ** High Static	CFM	1860	1828	1790	1769	1728	1706	1672	1624	1583	1514
							RPM	933	957	982	1006	1036	1057	1083	1107	1122	1133
							Watts	520	536	548	560	575	587	597	611	605	593

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.

(a) Use * marked tap for AHRI 210/240-2023

(b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZR - (460V, 3-PHASE) CONSTANT TORQUE MOTOR (Con't.)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Recommended Speed Tap for Field Installed Heater Kit	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size, Motor HP [W] & # of Speeds	Motor Tap - Usage		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	Low Stage - Tap 3 High Stage - Tap 4	Tap 2	5 kW - Tap 1 8 kW - Tap 1 10 kW - Tap 2 15 kW - Tap 2	1750 CFM / 2250 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 - FAN	CFM	1101	1051	983	896	825	763	695	621	558	506
							RPM	594	628	668	724	759	790	820	854	888	915
							Watts	130	137	145	157	164	171	177	186	193	197
						Tap 2 - Elec. Heat	CFM	1454	1401	1363	1322	1265	1195	1140	1088	1039	998
							RPM	719	757	787	816	854	898	933	963	985	1005
							Watts	253	264	274	283	296	311	322	332	340	348
						Tap 3 - Low Stage Cool	CFM	1364	1320	1277	1232	1169	1100	1036	980	930	877
							RPM	687	722	754	784	824	870	907	938	953	984
							Watts	216	227	235	245	257	271	282	290	297	304
						Tap 4 - High Stage Cool ** Med Static	CFM	1870	1832	1792	1761	1731	1696	1656	1621	1582	1528
							RPM	885	912	939	963	987	1009	1034	1057	1083	1113
							Watts	492	506	521	534	545	555	569	581	593	611
						Tap 5 - High Stage Cool High Static	CFM	2152	2120	2087	2059	2025	2004	1969	1934	1905	1875
							RPM	1002	1025	1051	1074	1090	1111	1136	1152	1175	1197
							Watts	761	776	791	803	816	828	841	852	865	878

NOTES:

(1) For constant torque motors: Use motor taps 3-5 to achieve rated airflow at AHRI minimum External Static Pressure.
  (a) Use * marked tap for AHRI 210/240-2023
  (b) Use ** marked tap for AHRI 210/240-2017

(2) Grayed out portions not recommended for use in field.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

ELECTRICAL DATA - RACAZR SERIES

		024AJT	030AJT	036ACT	036ADT	036AJT	042ACT	042AJT
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230
	Phase	1	1	3	3	1	3	1
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	18	21	20	10	28	22	28
	Minimum Overcurrent Protection Device Size	25	25	25	15	35	25	35
	Maximum Overcurrent Protection Device Size	25	30	25	15	40	30	40
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230
	Phase	1	1	3	3	1	3	1
	RPM	3500	3500	3500	3500	3500	3500	3500
	HP, Compressor 1							
	Amps (RLA), Comp. 1	10.8	12.3	8.5	3.8	14.7	10.6	15.9
	Amps (LRA), Comp. 1	55	63	70	31	75	118	112.3
	HP, Compressor 2							
	Amps (RLA), Comp. 2							
	Amps (LRA), Comp. 2							
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	0.8	1.5	2	2
	Amps (LRA, each)	3	3	3	1.6	3	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1
	HP	1/3	1/2	1	1	1	3/4	3/4
	Amps (FLA, each)	2.8	4.1	7.6	4	7.6	6	6
	Amps (LRA, each)							

ELECTRICAL DATA - RACAZR SERIES

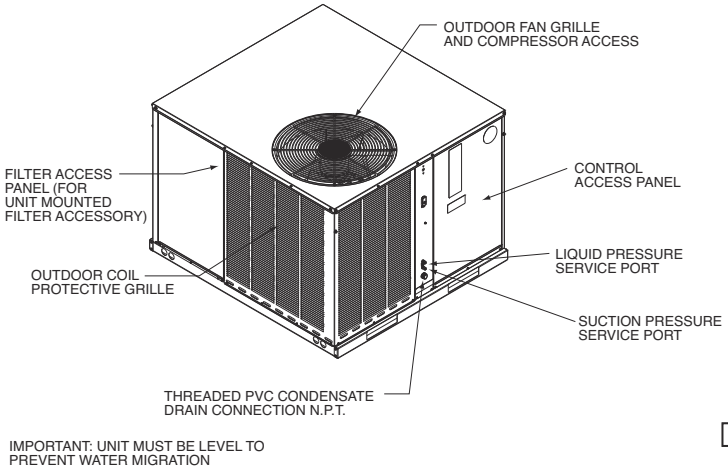
		048ACT	048ADT	048AJT	060ACT	060ADT	060AJT
Unit Information	Unit Operating Voltage Range	187-253	414-506	187-253	187-253	414-506	187-253
	Volts	208/230	460	208/230	208/230	460	208/230
	Phase	3	3	1	3	3	1
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	26	13	36	29	14	41
	Minimum Overcurrent Protection Device Size	30	15	45	35	15	50
	Maximum Overcurrent Protection Device Size	35	15	50	40	15	60
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	460	208/230	208/230	460	208/230
	Phase	3	3	1	3	3	1
	RPM	3500	3500	3500	3500	3500	3500
	HP, Compressor 1						
	Amps (RLA), Comp. 1	12.6	6	19.9	14	6.5	23.5
	Amps (LRA), Comp. 1	123	60	109	93	60	118
	HP, Compressor 2						
	Amps (RLA), Comp. 2						
	Amps (LRA), Comp. 2						
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	460	208/230	208/230	460	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/2	1/2	1/2
	Amps (FLA, each)	2	1	2	2.3	1.2	2.3
	Amps (LRA, each)	3.9	2.2	3.9	5.5	3	5.5
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	460	208/230	208/230	460	208/230
	Phase	1	1	1	1	1	1
	HP	1	1	1	1	1	1
	Amps (FLA, each)	7.6	4	8.9	8.9	4	8.9
	Amps (LRA, each)						

208/240 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION									
Single Power Supply for Both Unit and Heater Kit						Separate Power Supply for Both Unit and Heater Kit			
Mainline Model Number RACAZR	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size Min./Max
036ACT000NA HEATER KW	NONE	—	—	20/20	25/25	—	—	20/20	25/25
	A05C	3.8/5	10.4/12	23/25	25/25	13/15	15/15	20/20	25/25
	A08C	5.7/7.6	15.9/18.3	30/33	30/35	20/23	20/25	20/20	25/25
	A10C	7.2/9.6	20/23.1	35/39	35/40	25/29	25/30	20/20	25/25
	A15C	10.8/14.4	30.1/34.7	48/53	50/60	38/44	40/45	20/20	25/25
042ACT000NA HEATER KW	NONE	—	—	22/22	30/30	—	—	22/22	30/30
	A05C	3.8/5	10.4/12	22/23	30/30	13/15	15/15	22/22	30/30
	A08C	5.7/7.6	15.9/18.3	28/31	30/35	20/23	20/25	22/22	30/30
	A10C	7.2/9.6	20/23.1	33/37	35/40	25/29	25/30	22/22	30/30
	A15C	10.8/14.4	30.1/34.7	46/51	50/60	38/44	40/45	22/22	30/30
048ACT000NA HEATER KW	NONE	—	—	26/26	35/35	—	—	26/26	35/35
	A05C	3.8/5	10.4/12	26/26	35/35	13/15	15/15	26/26	35/35
	A08C	5.7/7.6	15.9/18.3	30/33	35/35	20/23	20/25	26/26	35/35
	A10C	7.2/9.6	20/23.1	35/39	35/40	25/29	25/30	26/26	35/35
	A15C	10.8/14.4	30.1/34.7	48/53	50/60	38/44	40/45	26/26	35/35
060ACT000NA HEATER KW	NONE	—	—	29/29	40/40	—	—	29/29	40/40
	A05C	3.8/5	10.4/12	29/29	40/40	13/15	15/15	29/29	40/40
	A08C	5.7/7.6	15.9/18.3	31/34	40/40	20/23	20/25	29/29	40/40
	A10C	7.2/9.6	20/23.1	37/40	40/40	25/29	25/30	29/29	40/40
	A15C	10.8/14.4	30.1/34.7	49/55	50/60	38/44	40/45	29/29	40/40

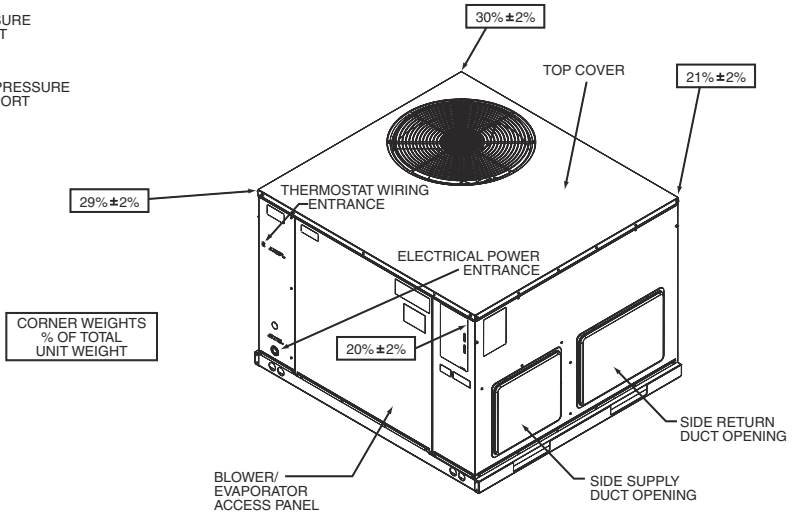
480 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION									
Single Power Supply for Both Unit and Heater Kit						Separate Power Supply for Both Unit and Heater Kit			
Mainline Model Number RACAZR	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size Min./Max
036ADT000NA HEATER KW	NONE	—	—	10	15	—	—	10	15
	A05D	4.8	5.8	13	15	8	15	10	15
	A08D	7.6	9.1	17	20	12	15	10	15
	A10D	9.6	11.6	20	20	15	15	10	15
	A15D	14.4	17.3	27	30	22	25	10	15
048ADT000NA HEATER KW	NONE	—	—	13	15	—	—	13	15
	A05D	4.8	5.8	13	15	8	15	13	15
	A08D	7.6	9.1	17	20	12	15	13	15
	A10D	9.6	11.6	20	20	15	15	13	15
	A15D	14.4	17.3	27	30	22	25	13	15
060ADT000NA HEATER KW	NONE	—	—	14	15	—	—	14	15
	A05D	4.8	5.8	14	15	8	15	14	15
	A08D	7.6	9.1	17	20	12	15	14	15
	A10D	9.6	11.6	20	20	15	15	14	15
	A15D	14.4	17.3	27	30	22	25	14	15

208/240 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION									
Single Power Supply for Both Unit and Heater Kit						Separate Power Supply for Both Unit and Heater Kit			
Mainline Model Number RACAZR	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ- Heater Kit Nominal kW	Rated Heater kW @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size Min./Max
024AJT000NA HEATER KW	NONE	—	—	18/18	25/25	—	—	18/18	25/25
	A05J	3.6/4.8	17.3/20	26/29	30/30	22/25	25/25	18/18	25/25
	A08J	5.7/7.6	27.4/31.6	38/43	40/45	35/40	35/40	18/18	25/25
	A10J	7.2/9.6	34.6/40	47/54	50/60	44/50	45/50	18/18	25/25
030AJT000NA HEATER KW	NONE	—	—	21/21	30/30	—	—	21/21	30/30
	A05J	3.6/4.8	17.3/20	27/31	30/35	22/25	25/25	21/21	30/30
	A08J	5.7/7.6	27.4/31.6	40/45	40/45	35/40	35/40	21/21	30/30
	A10J	7.2/9.6	34.6/40	49/56	50/60	44/50	45/50	21/21	30/30
036AJT000NA HEATER KW	NONE	—	—	28/28	40/40	—	—	28/28	40/40
	A05J	3.6/4.8	17.3/20	32/35	40/40	22/25	25/25	28/28	40/40
	A08J	5.7/7.6	27.4/31.6	44/49	45/50	35/40	35/40	28/28	40/40
	A10J	7.2/9.6	34.6/40	53/60	60/60	44/50	45/50	28/28	40/40
	A15J	10.8/14.4	51.9/60	75/85	80/90	65/75	70/80	28/28	40/40
042AJT000NA HEATER KW	NONE	—	—	28/28	40/40	—	—	28/28	40/40
	A05J	3.6/4.8	17.3/20	30/33	40/40	22/25	25/25	28/28	40/40
	A08J	5.7/7.6	27.4/31.6	42/47	45/50	35/40	35/40	28/28	40/40
	B10J	7.2/9.6	34.6/40	51/58	60/60	44/50	45/50	28/28	40/40
	B15J	10.8/14.4	51.9/60	73/83	80/90	65/75	70/80	28/28	40/40
048AJT000NA HEATER KW	NONE	—	—	36/36	50/50	—	—	36/36	50/50
	A05J	3.6/4.8	17.3/20	36/37	50/50	22/25	25/25	36/36	50/50
	A08J	5.7/7.6	27.4/31.6	46/51	50/60	35/40	35/40	36/36	50/50
	B10J	7.2/9.6	34.6/40	55/62	60/70	44/50	45/50	36/36	50/50
	B15J	10.8/14.4	51.9/60	76/87	80/90	65/75	70/80	36/36	50/50
060AJT000NA HEATER KW	NONE	—	—	41/41	60/60	—	—	41/41	60/60
	A05J	3.6/4.8	17.3/20	41/41	60/60	22/25	25/25	41/41	60/60
	A08J	5.7/7.6	27.4/31.6	46/51	60/60	35/40	35/40	41/41	60/60
	B10J	7.2/9.6	34.6/40	55/62	60/70	44/50	45/50	41/41	60/60
	B15J	10.8/14.4	51.9/60	76/87	80/90	65/75	70/80	41/41	60/60

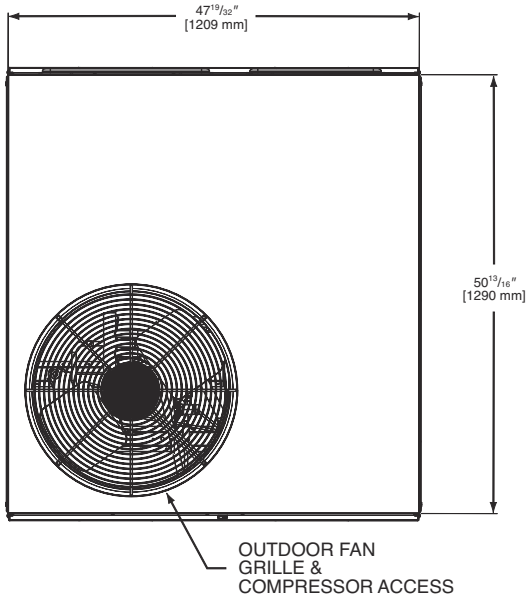
UNIT DIMENSIONS PACKAGED AIR CONDITIONERS



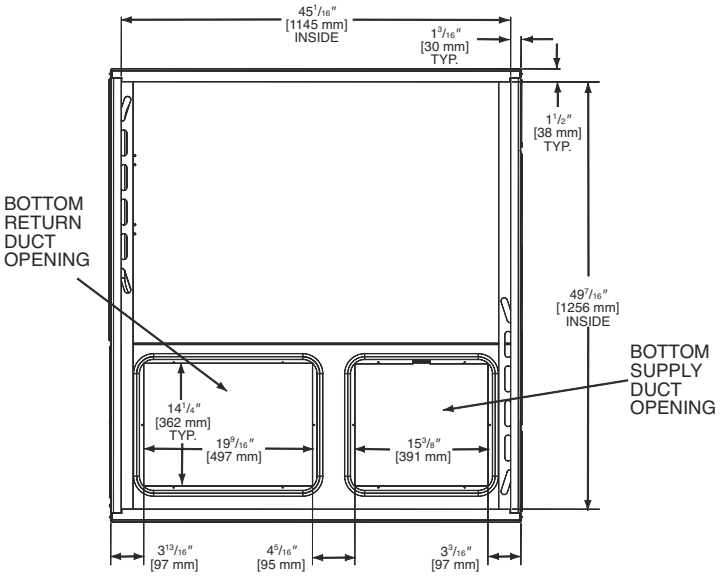
IMPORTANT: UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION



TOP VIEW

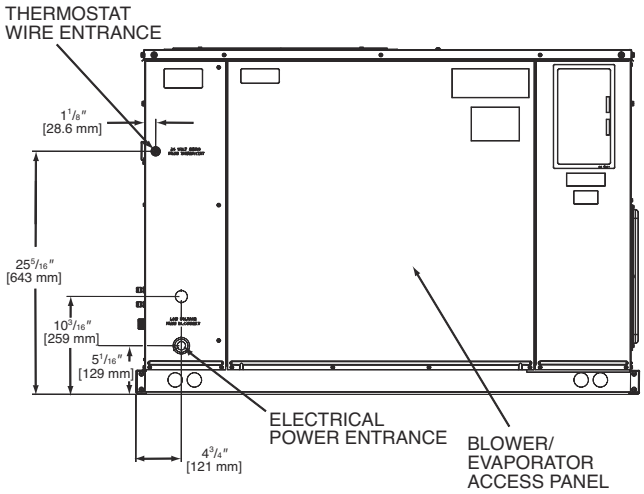


BOTTOM VIEW

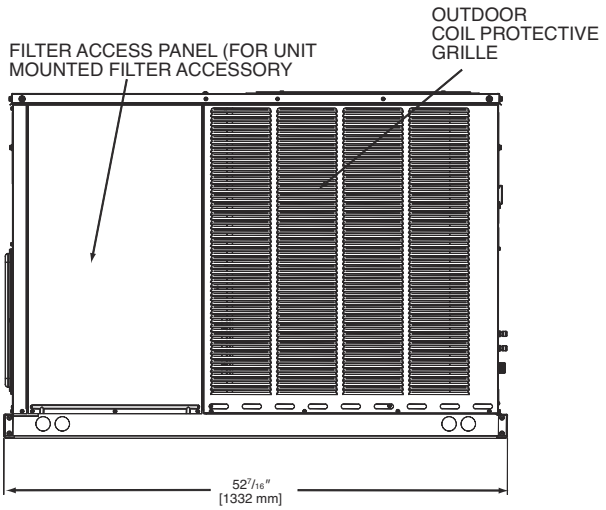


[ ] Designates Metric Conversions

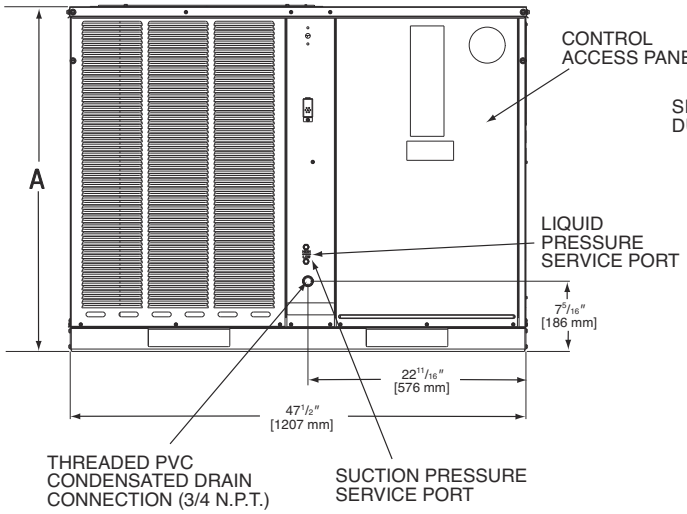
SIDE VIEW



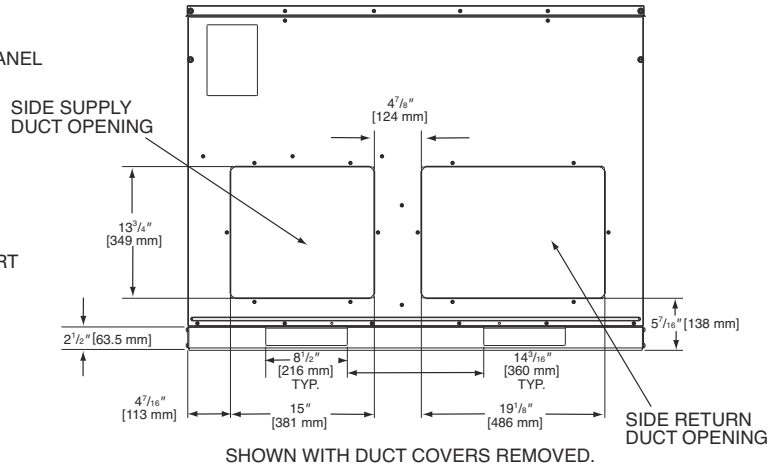
SIDE VIEW



FRONT VIEW



REAR VIEW

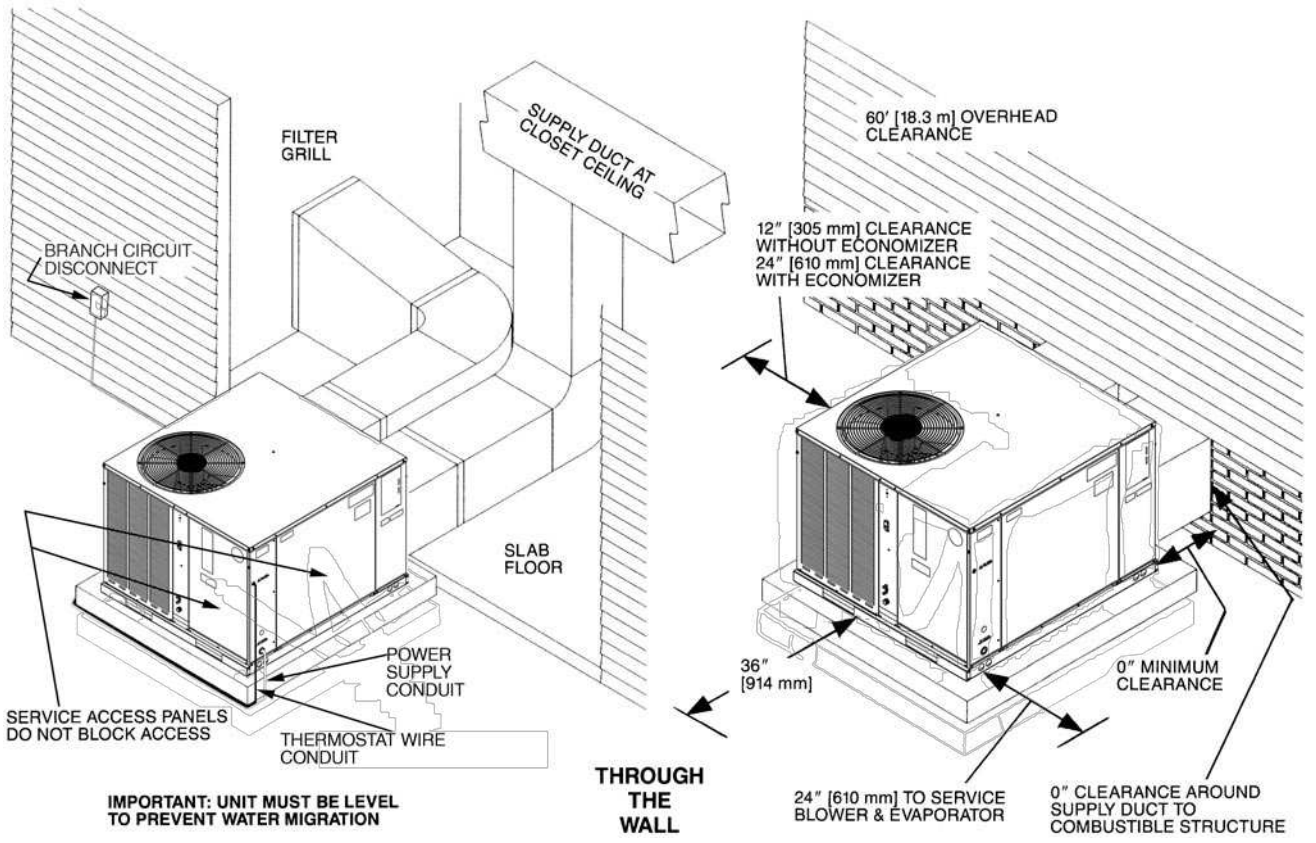


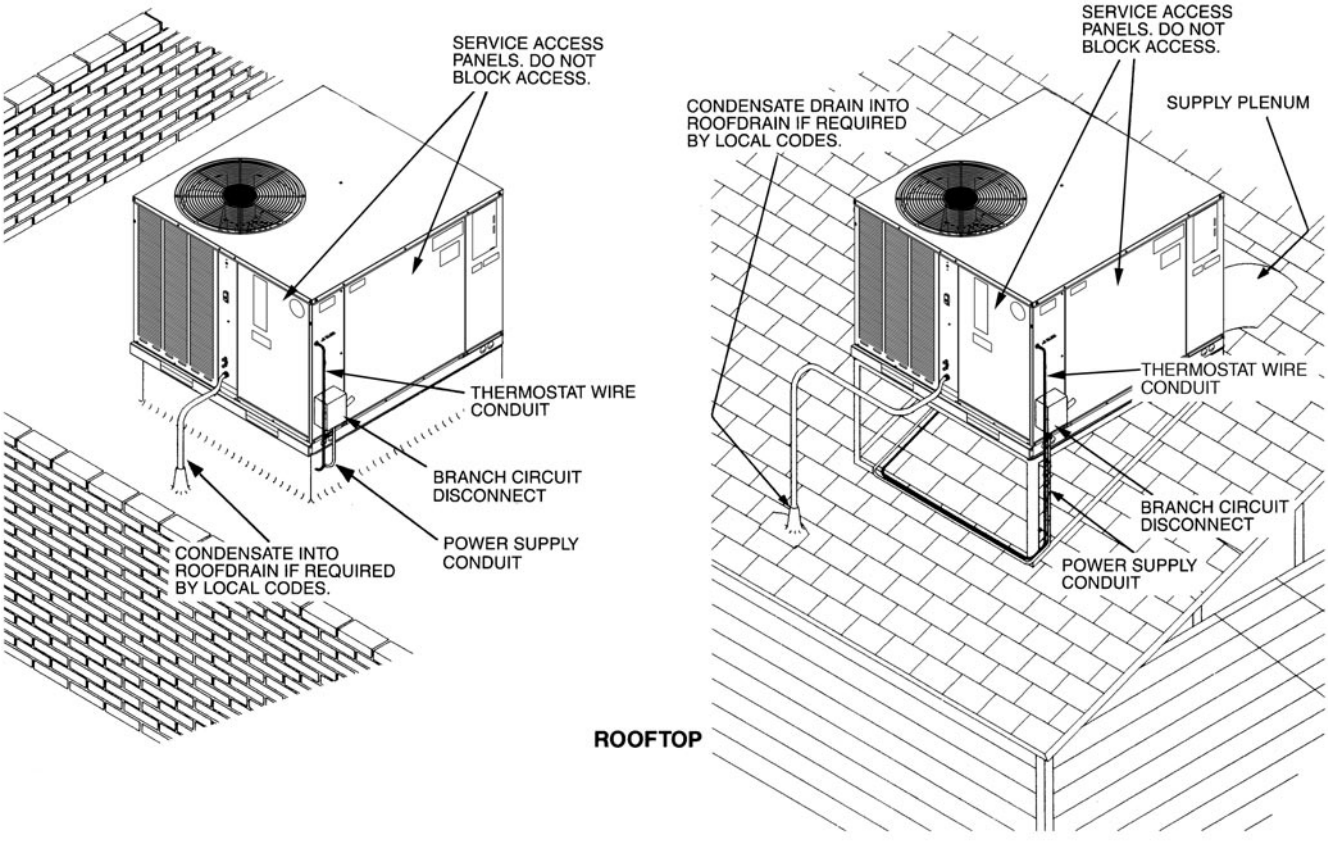
SHOWN WITH DUCT COVERS REMOVED.

Model #	Height "A"
024, 030, 036	35 15/16
042, 048, 060	41

IMPORTANT:
Unit must be level to prevent water migration.

[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

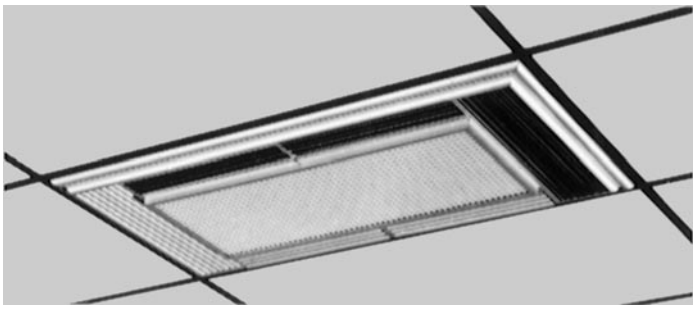
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurbs	RACAZR	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height)
Supply & Return Diffusers	RACAZR	RXRN-BD15
Economizers (Convertible)	RACAZR	AXRD-01RACAM3
Fresh Air Damper	RACAZR	AXRF-FAB1 (Motorized-35%) AXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RACAZR	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RACAZR	RXRY-B01
Sideflow Rectangular to Round Transition	RACAZR	AXMC-BA01
Low Ambient Control	RACAZR	RXRZ-B01
High Pressure Control ①	RACAZR	RXAB-E01
Low Pressure Control ②	RACAZR	RXAC-C01

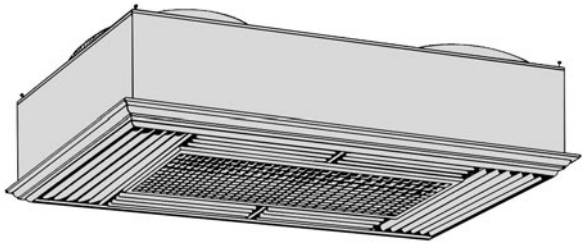
① High pressure switch standard on RACAZR

[ ] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER

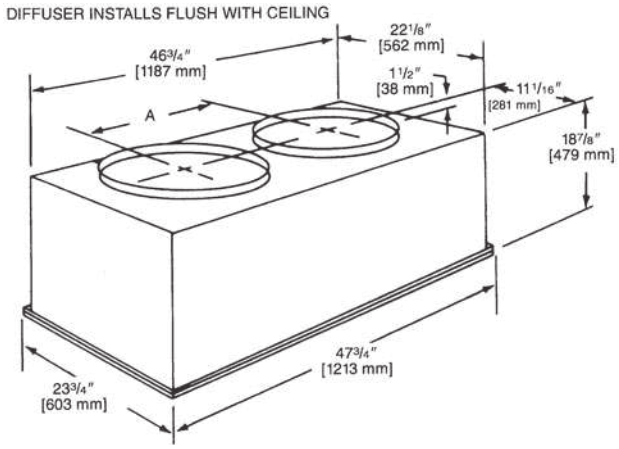


SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No. RXRN-	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
BD15	16 [406]	90 [40.82]	20 1/2 [521]



NOTE: The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

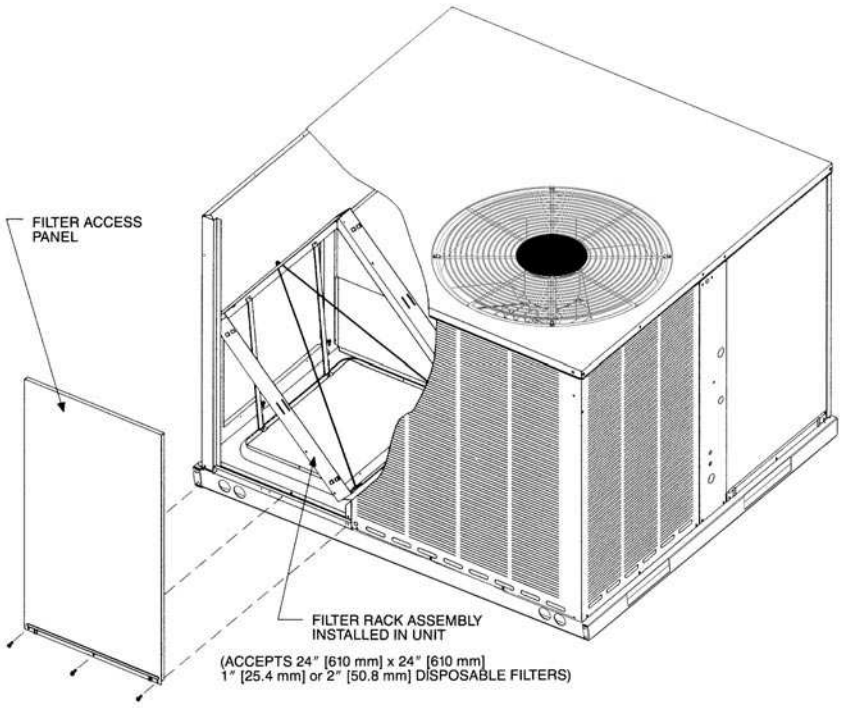
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

FILTER KIT INSTALLATION RXRY-B01

For use in either vertical or horizontal discharge.

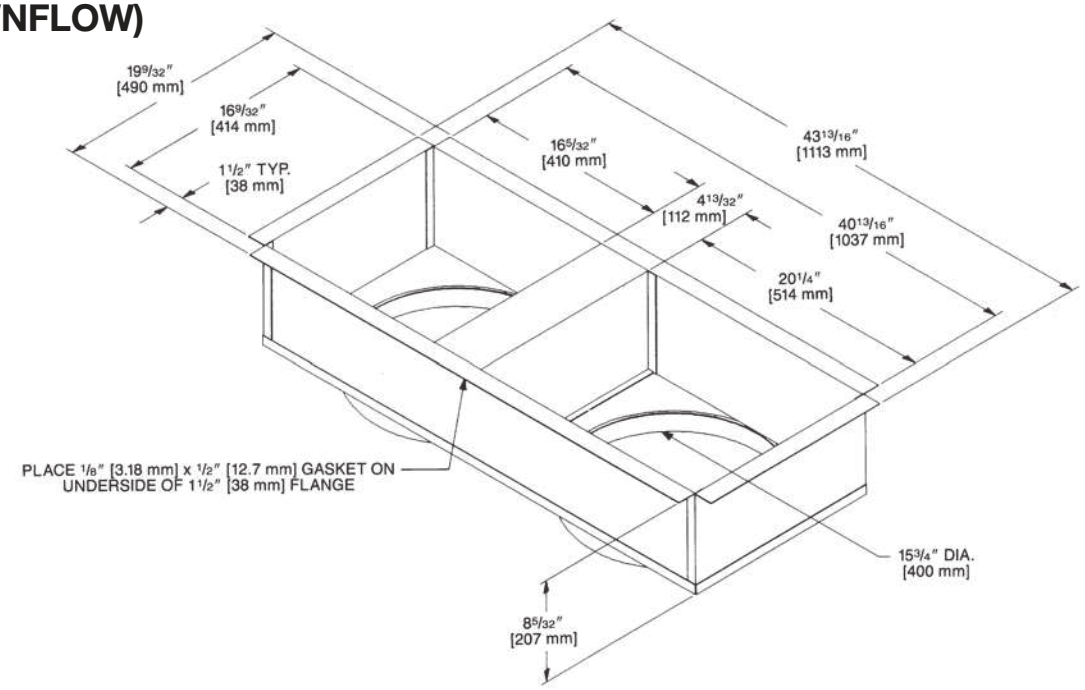


Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	**1" Filter**	**2" Filter**
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.09 [.0224]
1200 [566]	.10 [.0249]	.12 [.0299]
1300 [614]	.13 [.0324]	.15 [.0373]
1400 [661]	.16 [.0398]	.19 [.0473]
1500 [708]	.19 [.0473]	.21 [.0523]
1600 [755]	.20 [.0498]	.23 [.0572]
1700 [802]	.21 [.0523]	.24 [.0598]
1800 [850]	.22 [.0548]	.25 [.0623]
1900 [897]	.24 [.0598]	.27 [.0672]
2000 [944]	.26 [.0647]	.29 [.0722]

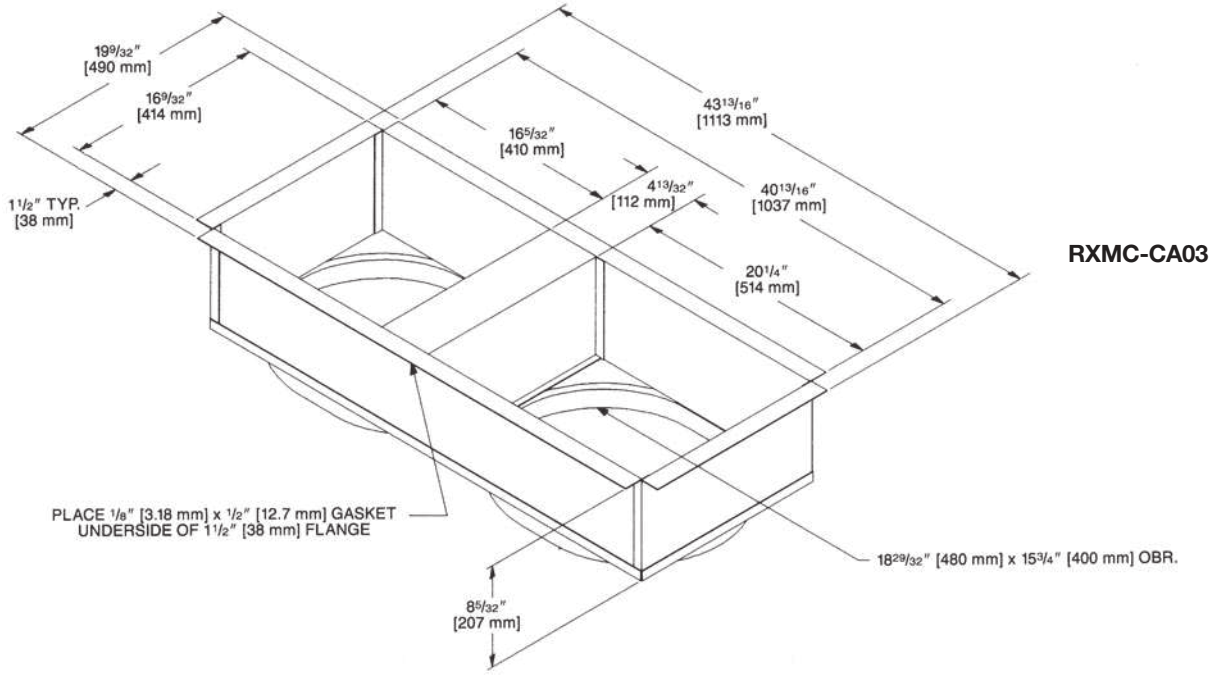
[ ] Designates Metric Conversions

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[ ] Designates Metric Conversions

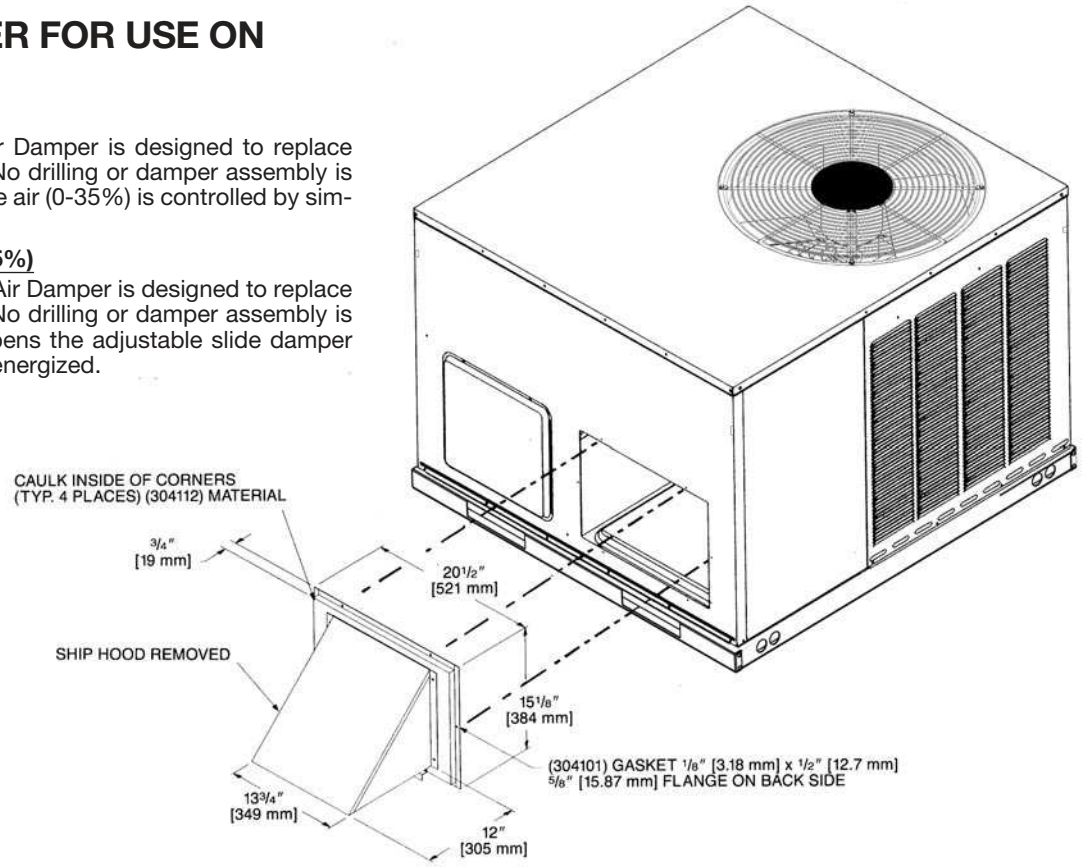
FRESH AIR DAMPER FOR USE ON RACAZR SERIES

AXRF-FAA1 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

AXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.

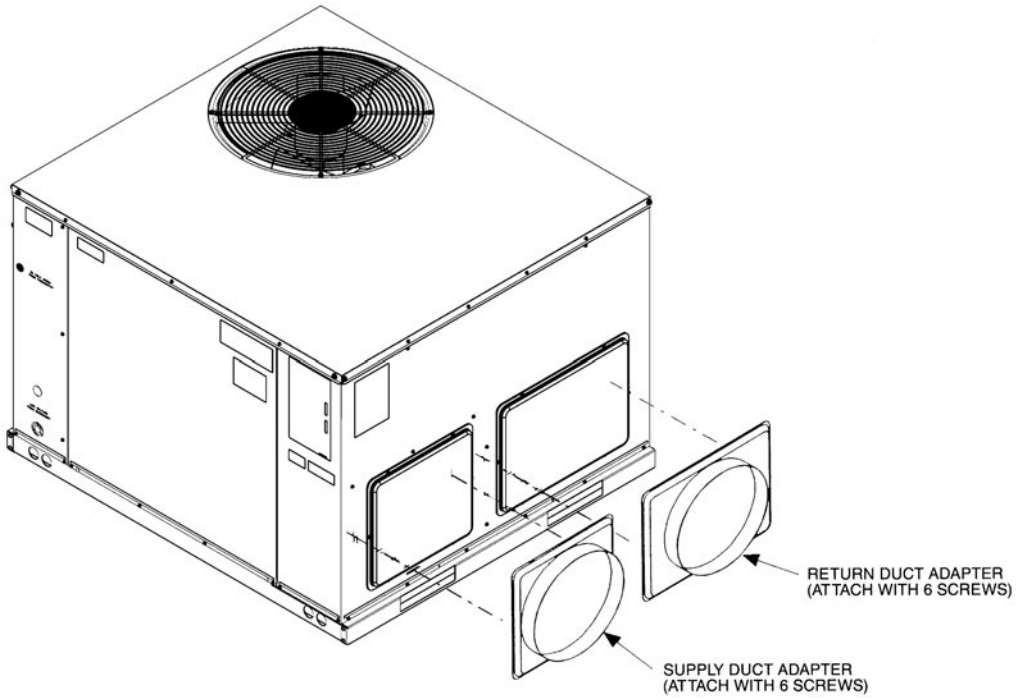


[ ] Designates Metric Conversions

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION AXMC-BA01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

[ ] Designates Metric Conversions



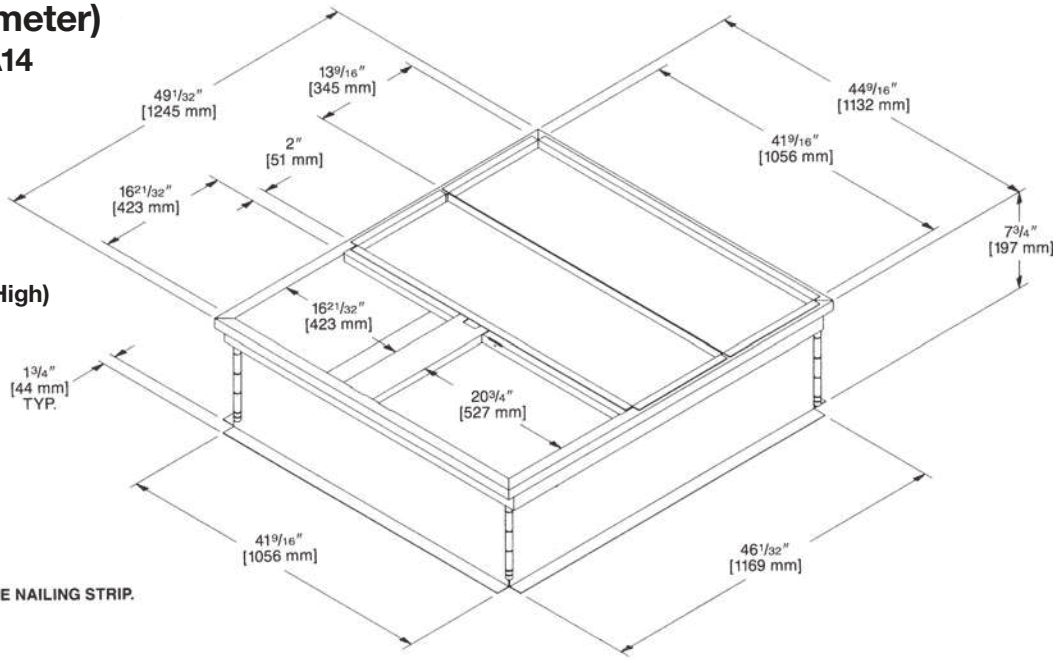
ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14 for RACA- Series

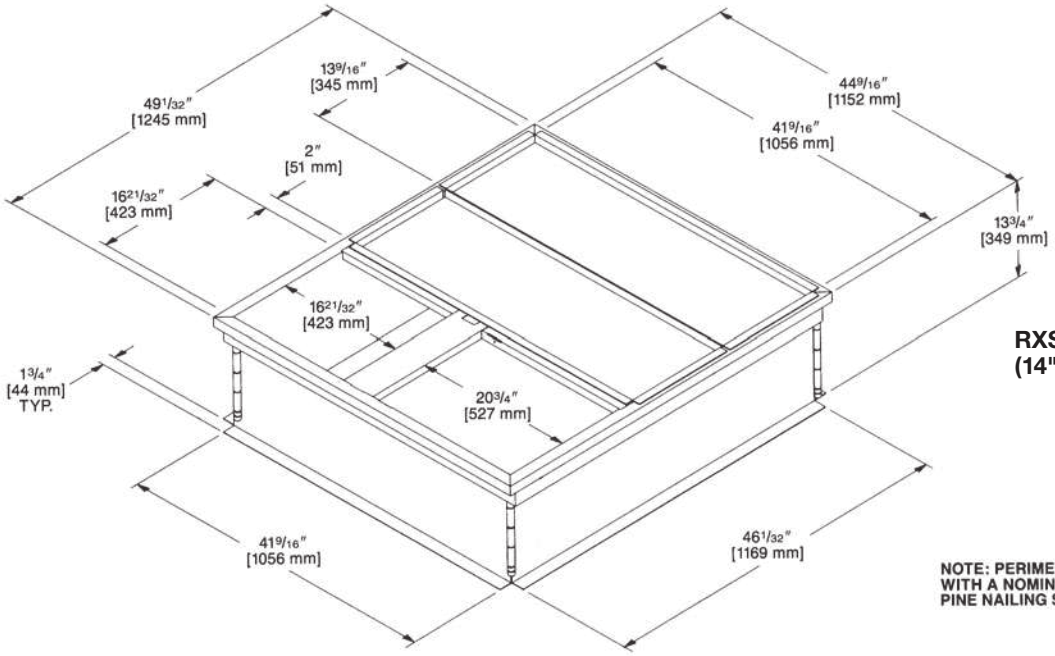
Hinged corners make for fast, easy set-up.

RXSG-AAA08
(8" [203 mm] High)

NOT for use with RQKA/RQLA/RQMA Packaged Heat Pumps.



NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

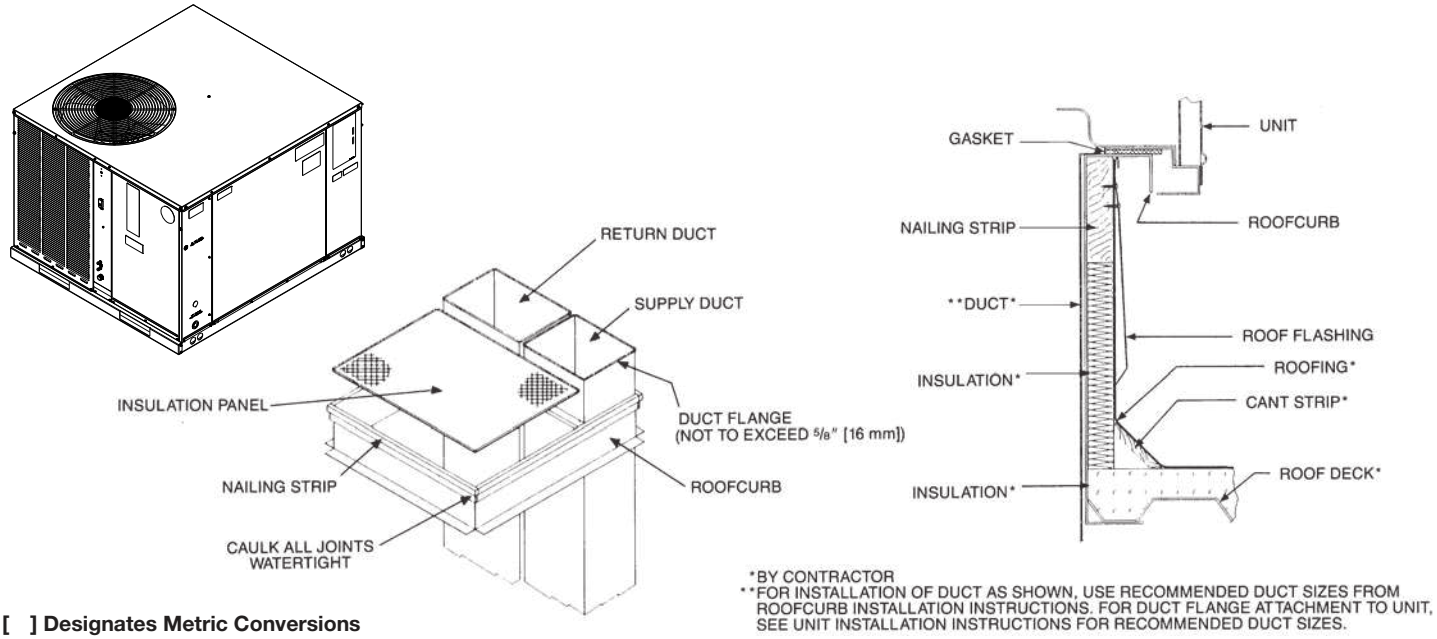


RXSG-AAA14
(14" [356 mm] High)

NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

[ ] Designates Metric Conversions

PACKAGED AIR CONDITIONERS & GAS/ELECTRIC PACKAGED UNITS ROOFCURB INSTALLATION (Full Perimeter)



[ ] Designates Metric Conversions

ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.

OLD MODEL		OLD CURB MODEL	NEW MODEL TO OLD MODEL ROOF ADAPTER	NEW MODEL PACKAGE
SMALL CABINET (1½-2 TON) [5.28-7.03 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-	20 SERIES	RXRA-DB20 (2)	RXRX-BACDB20 RXRX-BACDB21 RXRX-BCCCA23 RXRX-BCCDB23	ONLY 1 CABINET SIZE– ALL MODELS
MEDIUM CABINET (2½-3 TON) [8.79-10.55 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	21 SERIES	RXRA-DB21 (2)		RACAZR
EXTRA LARGE CABINET (3½-5 TON) [12.31-17.58 KW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY (4-5 TON) [14.07-17.58 kW]	23 SERIES	RXPA-CA23 (1) RXRA-DB23 (2)		

(1) SLOPE TYPE
(2) FULL PERIMETER TYPE

ELECTRIC HEATER KITS–RACAZR

ELECTRIC HEATER KIT MODELS	UNIT MODEL APPLICATION (13.4 SEER2 RACAZR)
RXQJ-A05J (208-240 volt, 1-ph, 5kw)	024/030/036/042/048/060*J
RXQJ-A08J (208-240 volt, 1-ph, 8kw)	024/030/036/042/048/060*J
RXQJ-A10J (208-240 volt, 1-ph, 10kw)	024/030/036*J
RXQJ-A15J (208-240 volt, 1-ph, 15kw)	036*J
RXQJ-B10J (208-240 volt, 1-ph, 10kw)	042/048/060*J
RXQJ-B15J (208-240 volt, 1-ph, 15kw)	042/048/060*J
RXQJ-A05C (208-240 volt, 3-ph, 10kw)	036/042/048/060*C
RXQJ-A08C (208-240 volt, 3-ph, 15kw)	036/042/048/060*C
RXQJ-A10C (208-240 volt, 3-ph, 10kw)	036/042/048/060*C
RXQJ-A15C (208-240 volt, 3-ph, 15kw)	036/042/048/060*C
RXQJ-A05D (208-240 volt, 3-ph, 10kw)	036/048/060*D
RXQJ-A08D (208-240 volt, 3-ph, 15kw)	036/048/060*D
RXQJ-A10D (208-240 volt, 3-ph, 10kw)	036/048/060*D
RXQJ-A15D (208-240 volt, 3-ph, 15kw)	036/048/060*D

WARNING

ONLY ELECTRIC HEATER KITS SUPPLIED BY THIS MANUFACTURER AS DESCRIBED IN THIS PUBLICATION HAVE BEEN DESIGNED, TESTED, AND EVALUATED BY A NATIONALLY RECOGNIZED SAFETY TESTING AGENCY FOR USE WITH THIS UNIT. USE OF ANY OTHER MANUFACTURED ELECTRIC HEATERS INSTALLED WITHIN THIS UNIT MAY CAUSE HAZARDOUS CONDITIONS RESULTING IN PROPERTY DAMAGE, FIRE, BODILY INJURY OR DEATH.

BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY*

Mainline® will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Conditional Parts (Registration Required)
1 Phase, Residential Applications.....Ten (10) Years
Compressor
1 Phase, Residential Applications.....Ten (10) Years
1 & 3 Phase, Commercial Applications .....Five (5) Years
Parts
1 & 3 Phase, Commercial Applications.....One (1) Year

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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"In keeping with its policy of continuous progress and product improvement, the right is reserved to make changes without notice."

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