



FRIEDRICH

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Friedrich® Endeavor® Line F-Series™ iR Packaged Air Conditioner



RAC(A/X)ZS Series

Cooling Efficiencies: 15.2 SEER2

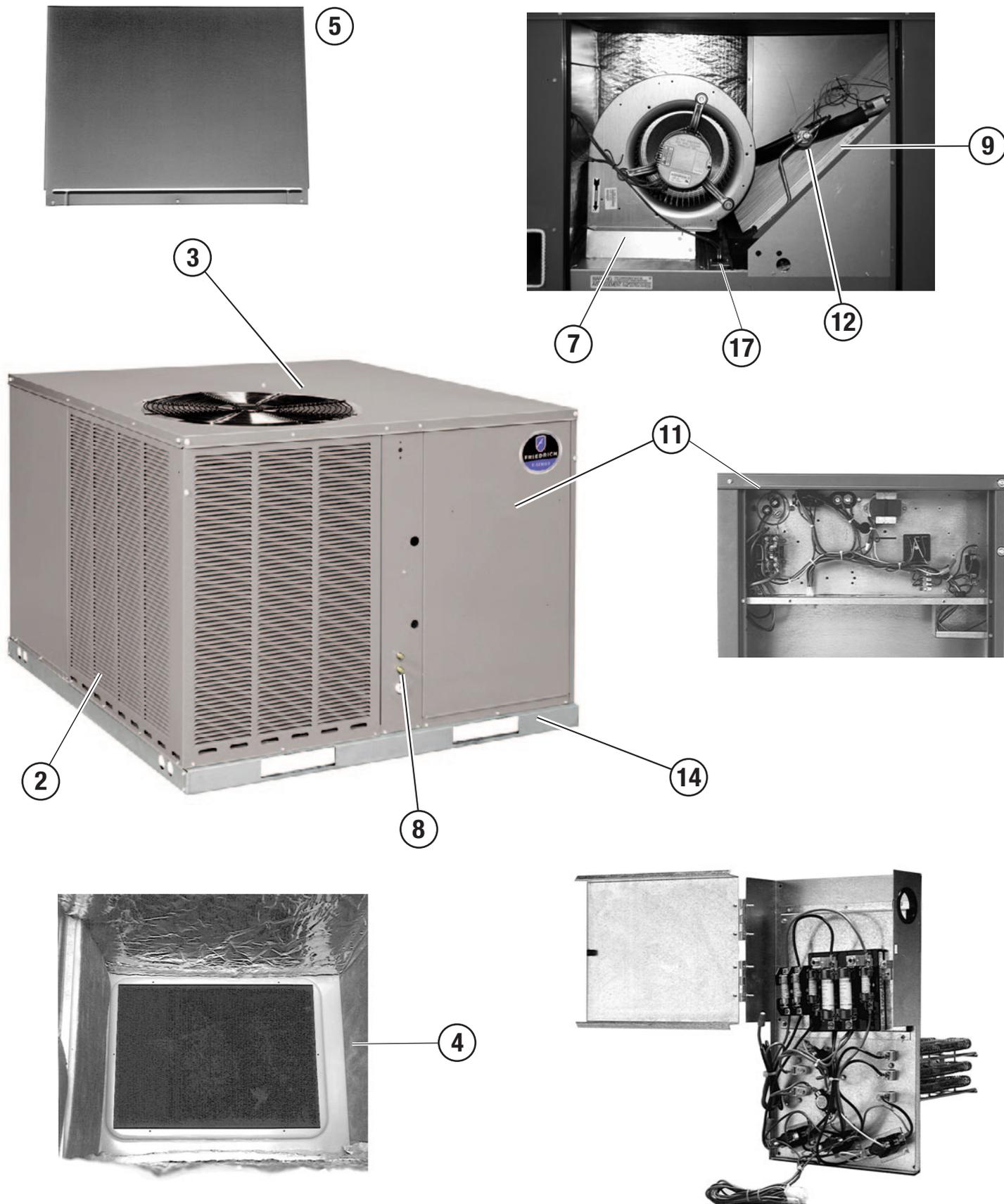
Nominal Sizes: 2 to 5 Ton [7.0 to 17.6 kW]



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PACKAGED GAS ELECTRIC UNIT FEATURES



FEATURES AND BENEFITS

1. The Two-Stage Compressor modulates between two capacity settings—67% and 100%—providing more precise temperature control, lower humidity and greater efficiency in comparison to single stage compressors. It uses 70% fewer moving parts which also increases efficiency and reliability.
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. All units are complete factory charged and are factory quality 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

<u>R</u>	<u>AC</u>	<u>A</u>	<u>Z</u>	<u>S</u>	<u>036</u>	<u>A</u>	<u>J</u>	<u>T</u>	<u>000</u>	<u>N</u>	<u>A</u>
Brand	Product Category	Platform	Refrigerant	Tier	Capacity	Major Series	Voltage	Drive	Electric Heat Input	Control	Minor Series
R - Friedrich®	AC - Air Conditioner	A - Resipack Convertible X - Resipack Convertible	Z - R410A	S - Mid Tier (EStar 15.2 SEER2)	024 - 24,000 [7.03 kW] 036 - 36,000 [10.55 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
RACAZS024AJT000NA
RACAZS036AJT000NA
RACAZS036ACT000NA
RACAZS036ADT000NA
RACXZS048AJT000NA
RACXZS048ACT000NA
RACXZS048ADT000NA
RACXZS060AJT000NA
RACXZS060ACT000NA
RACXZS060ADT000NA

NOTE: Heater kits available to purchase for field installation.

UNIT DIMENSIONS RACAZS

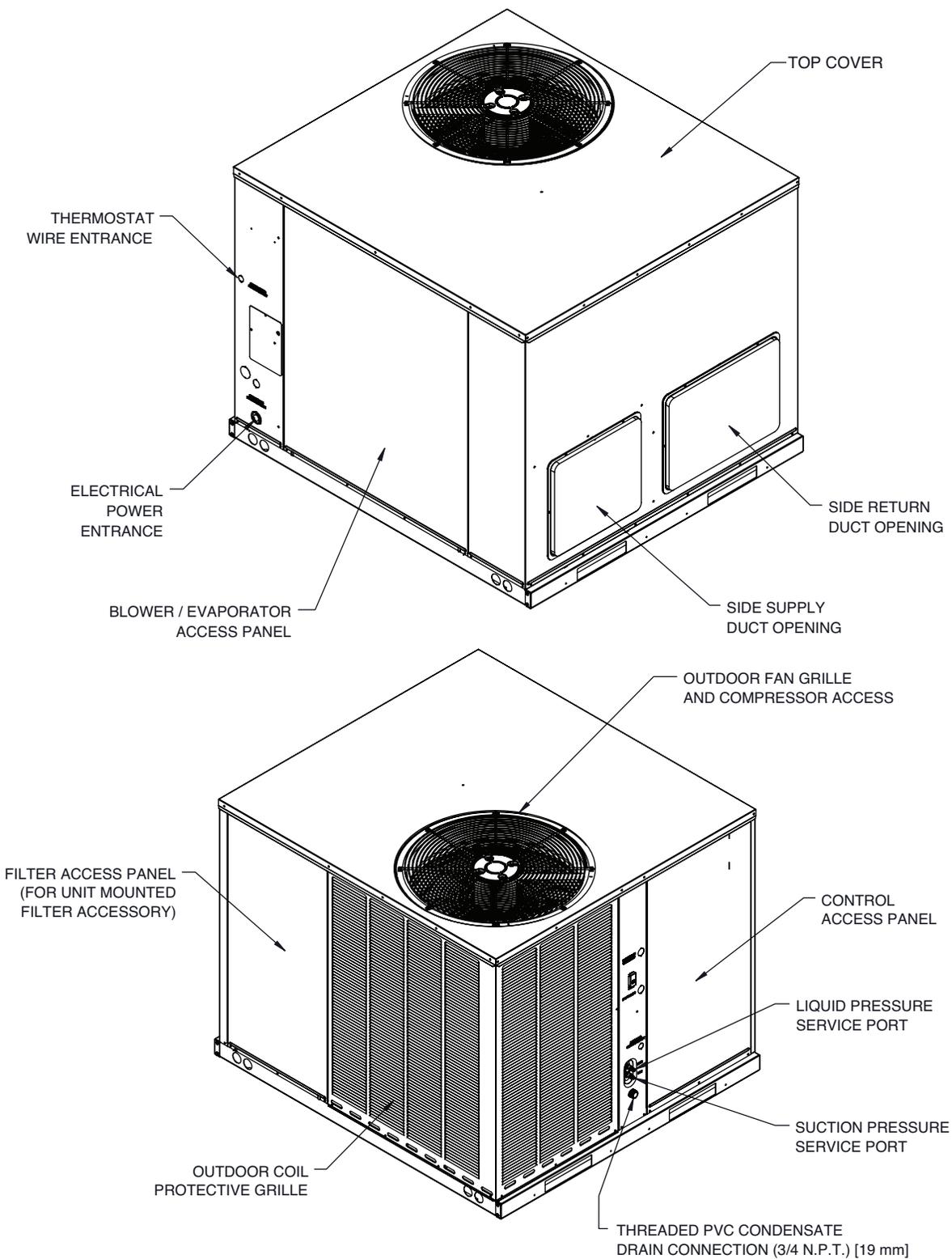


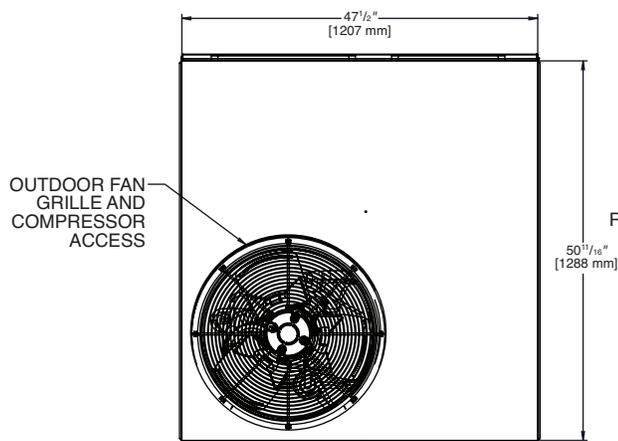
Illustration
ST-A1333-01

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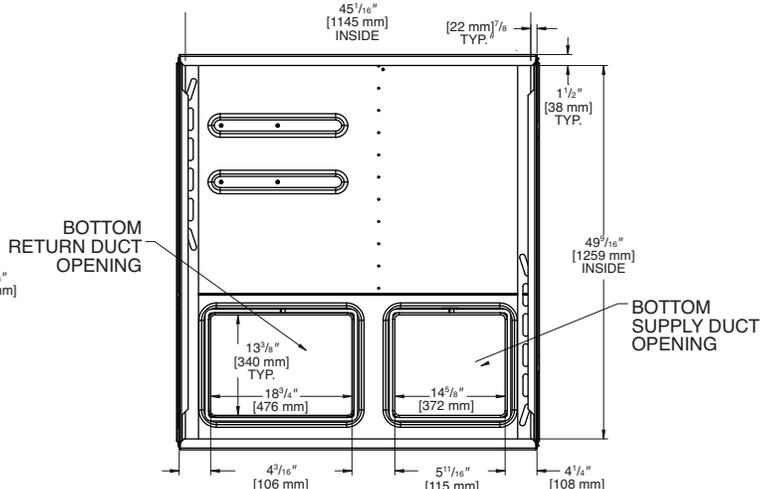
DIMENSIONAL DATA

RACAZS

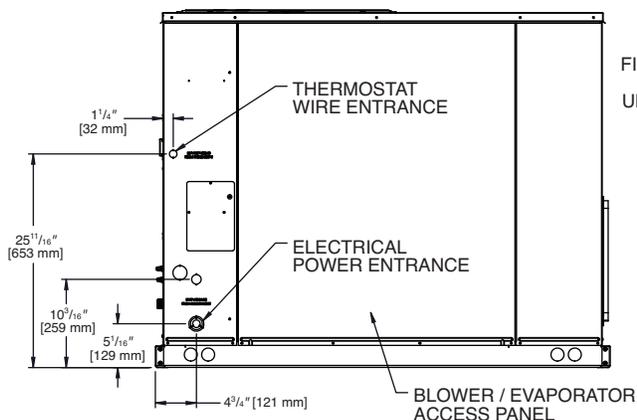
TOP VIEW



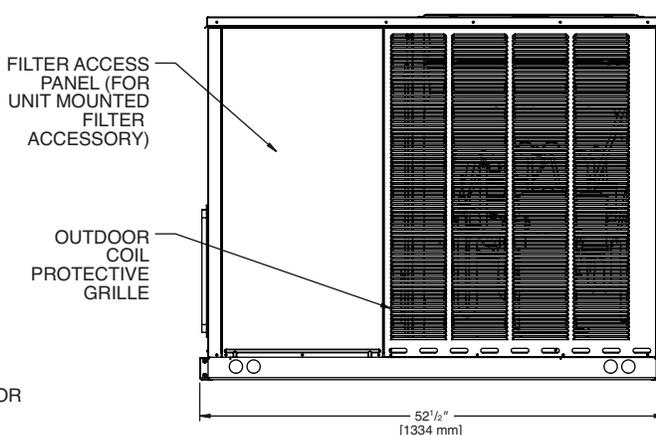
BOTTOM VIEW



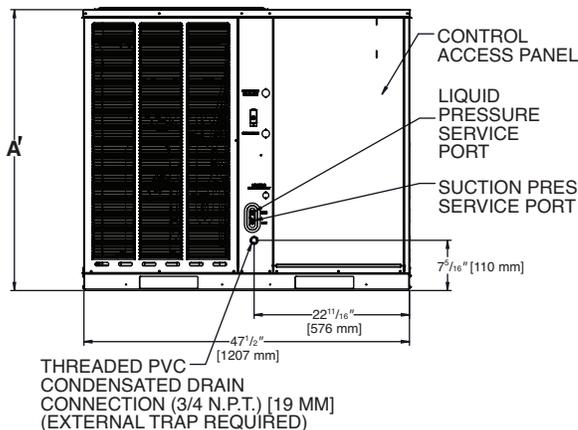
SIDE VIEW



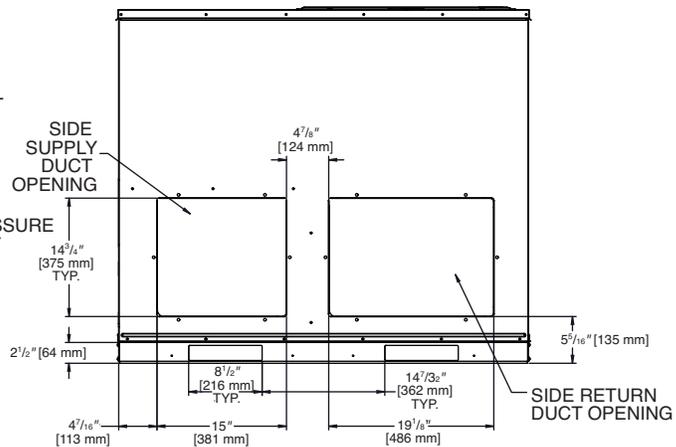
SIDE VIEW



FRONT VIEW



REAR VIEW



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MODEL #	HEIGHT "A"
024	35-15/16
036	41

Illustration
 ST-A1333-02

UNIT DIMENSIONS RACXZS

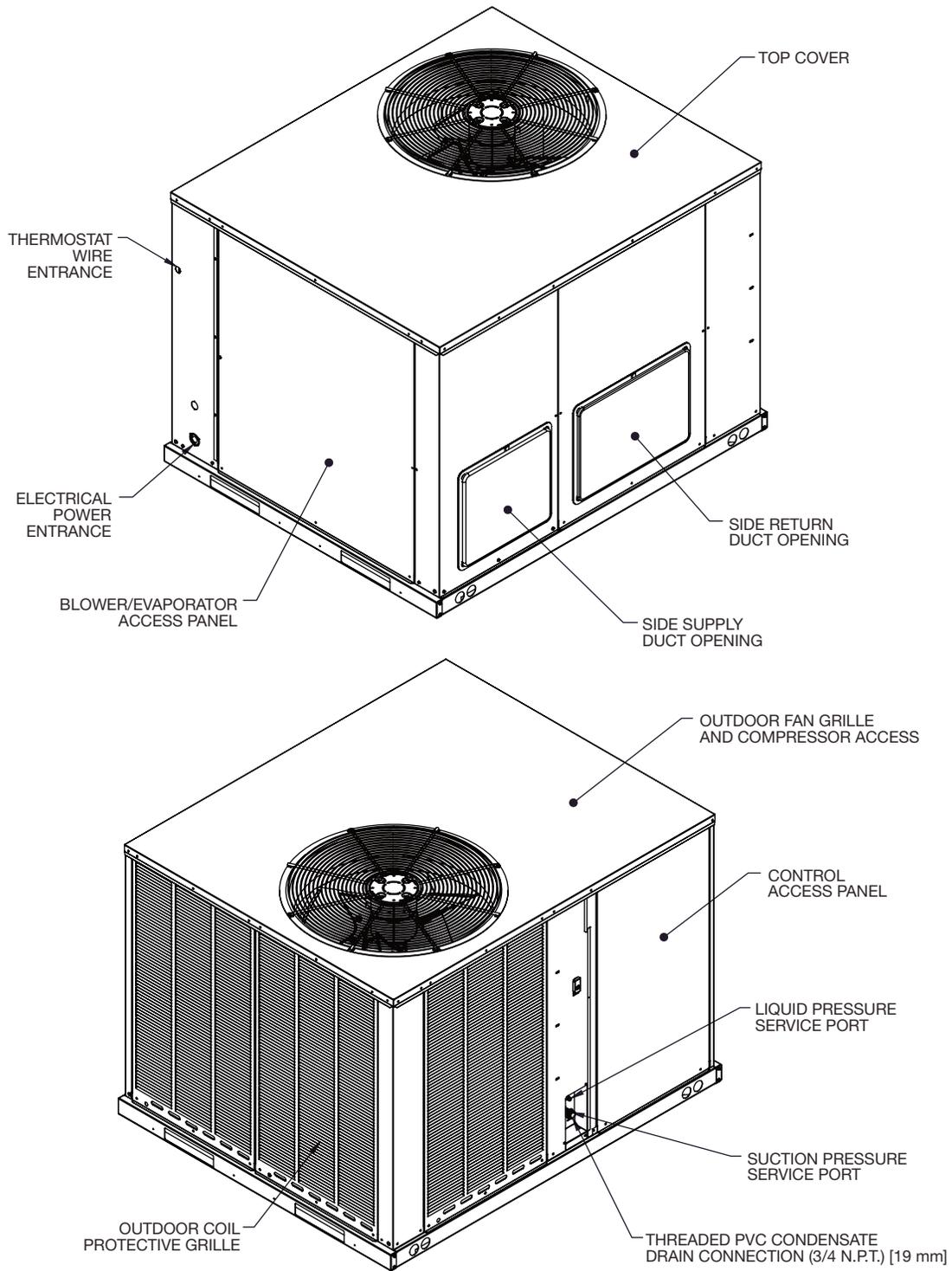
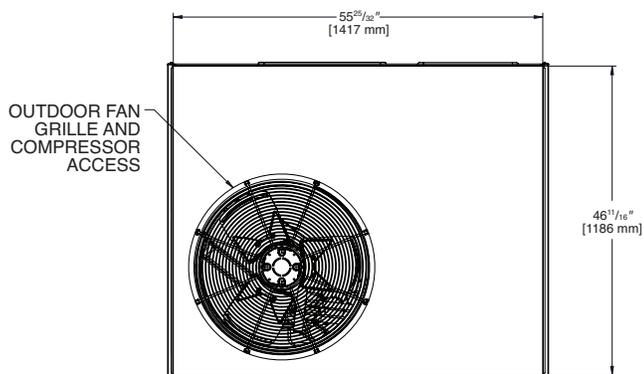


Illustration
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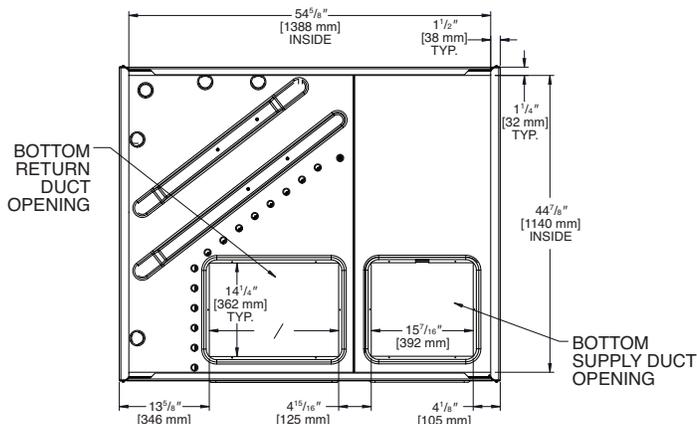
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UNIT DIMENSIONS RACXZS

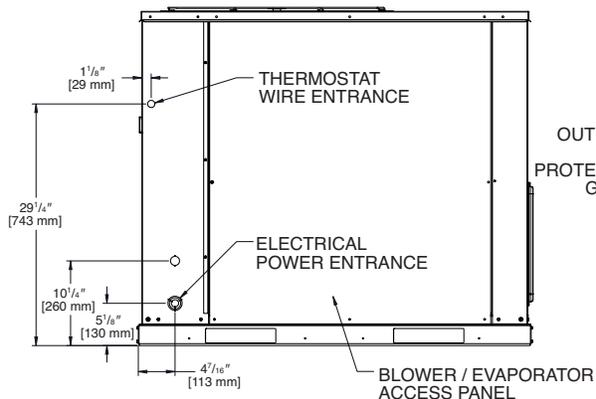
TOP VIEW



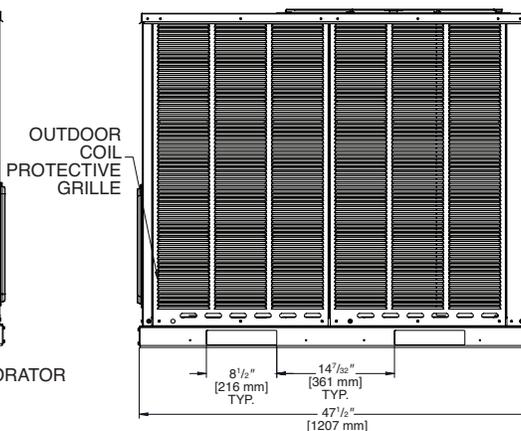
BOTTOM VIEW



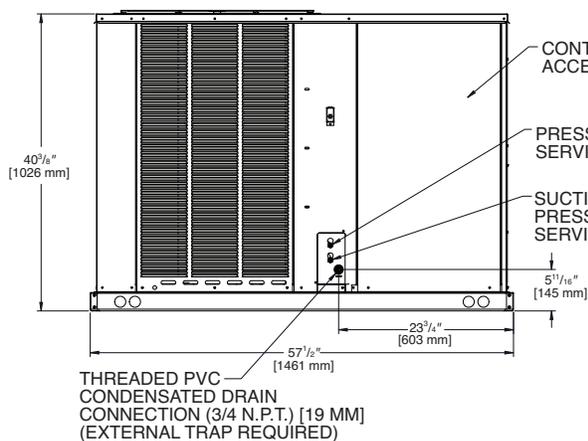
SIDE VIEW



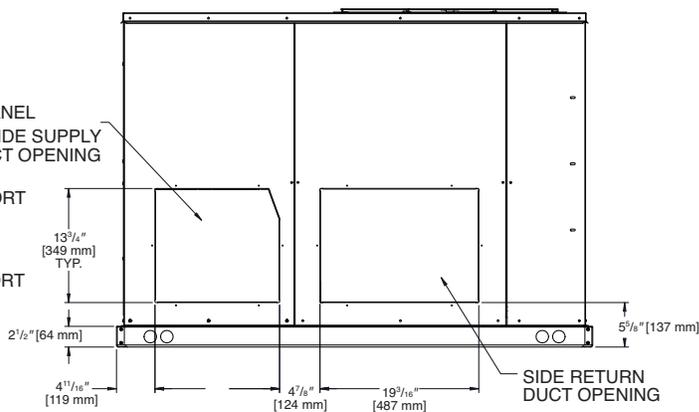
SIDE VIEW



FRONT VIEW

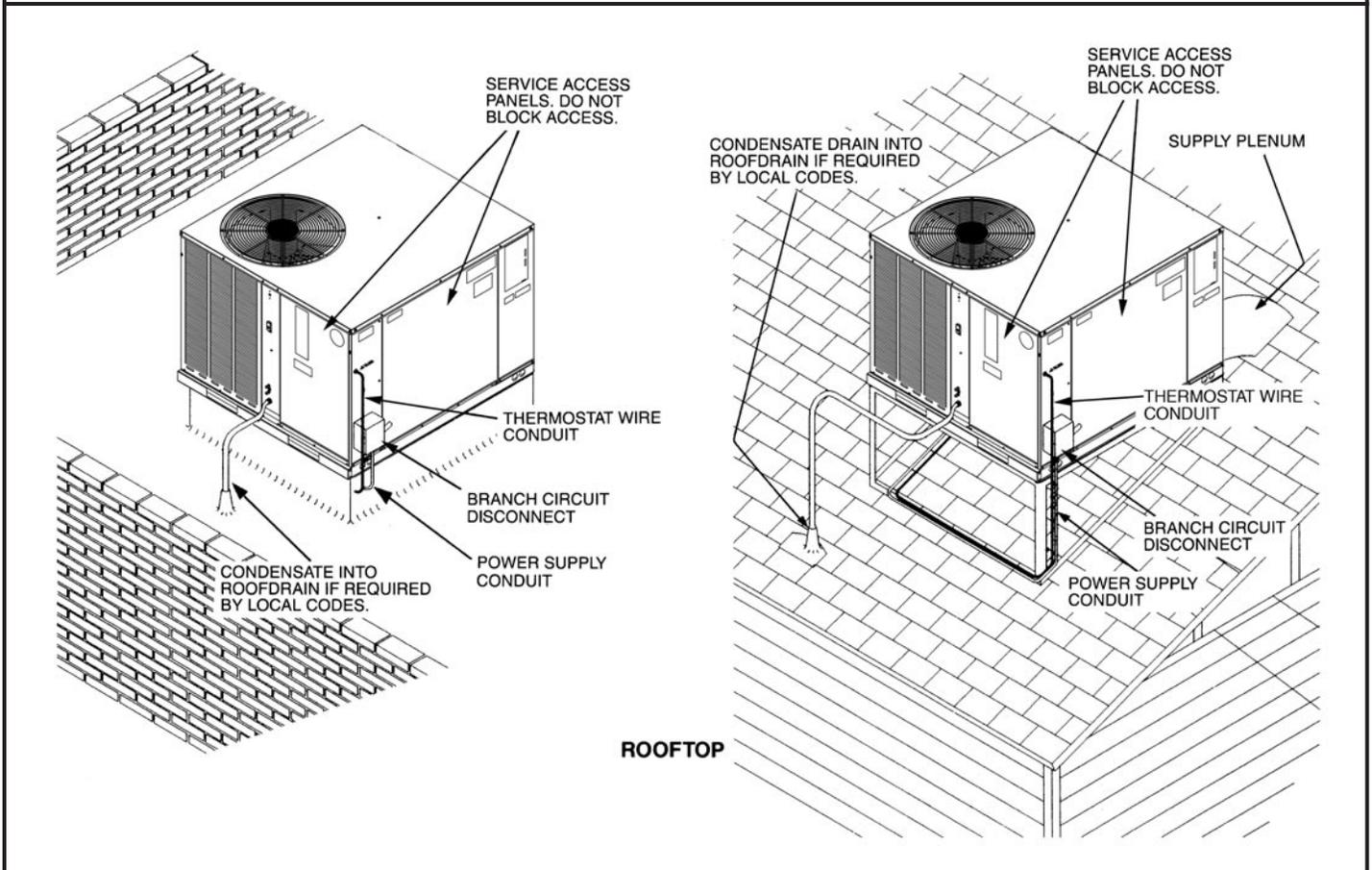
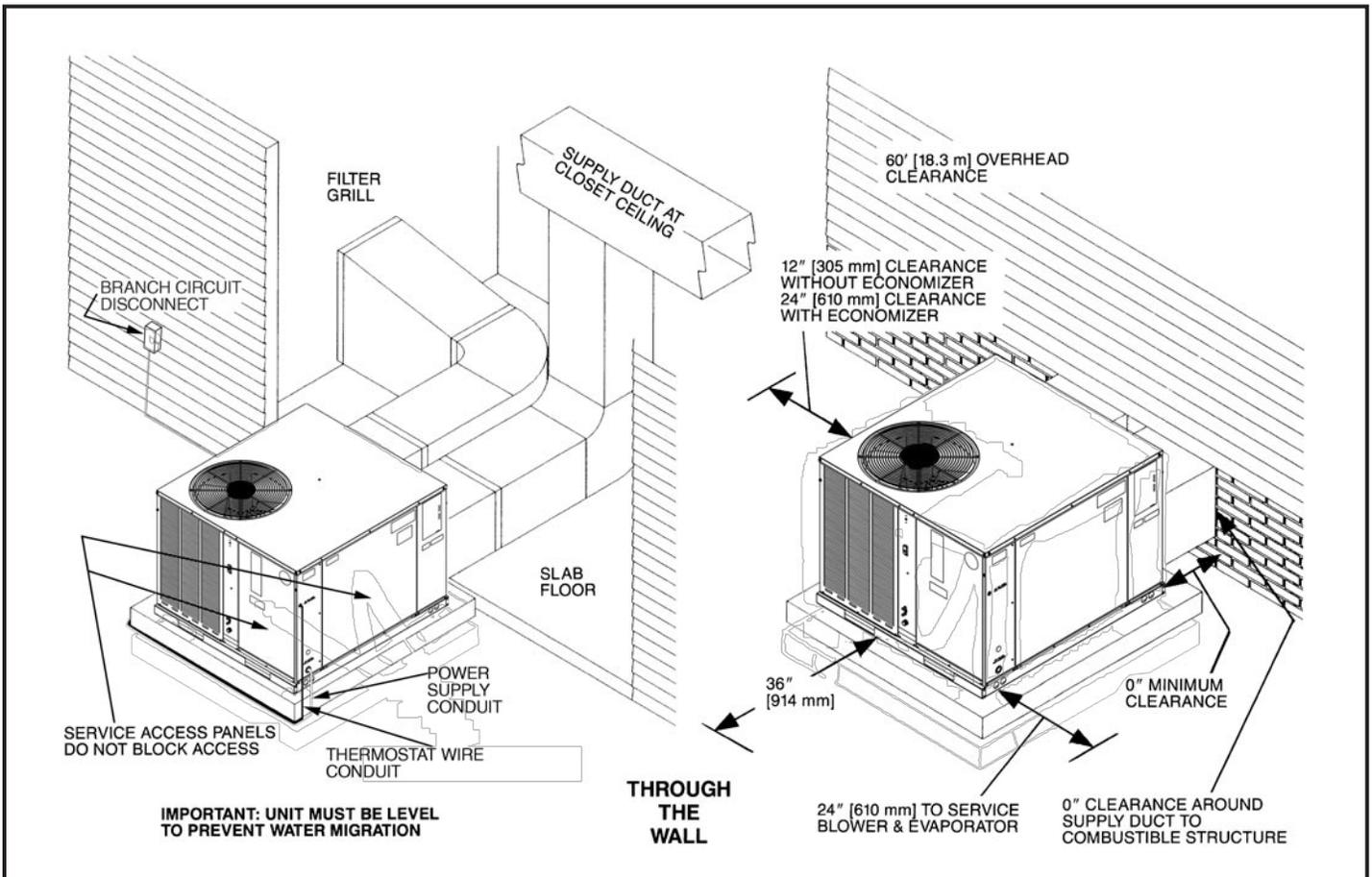


REAR VIEW



ST-A1334-02

[] Designates Metric Conversions



[] Designates Metric Conversions

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

Model RAC(A/X)ZS Series	024AJT	036ACT	036ADT	036AJT
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,200 [7.09]	35,800 [10.49]	35,800 [10.49]	36,200 [10.61]
EER2/SEER2 ²	11.5/15.2	12/16	12/16	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	800/815 [378/385]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	23,400 [6.86]	35,000 [10.25]	35,000 [10.25]	35,000 [10.25]
Net Sensible Capacity Btu [kW]	16,600 [4.86]	25,800 [7.56]	25,800 [7.56]	25,800 [7.56]
Net Latent Capacity Btu [kW]	6,800 [1.99]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	1.98	2.86	2.86	2.94
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	74	71	71	71
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.709 [18]	0.472 [12]	0.472 [12]	0.472 [12]
Face Area sq. ft. [sq. m]	9.77 [0.91]	16.26 [1.51]	16.26 [1.51]	16.26 [1.51]
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]	4 [0.37]	4 [0.37]	4 [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]	2500 [1180]	3250 [1534]	3250 [1534]	3250 [1534]
No. Motors/HP	1 at 1/6 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]	1/12x9 [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	1	1	1
Motor RPM	1050	1050	1300	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]	48 [1361]	60 [1701]	60 [1701]	60 [1701]
Weights				
Net Weight lbs. [kg]	354 [161]	428 [194]	428 [194]	428 [194]
Ship Weight lbs. [kg]	362 [164]	436 [198]	436 [198]	436 [198]

See Page 14 for Notes.

[] Designates Metric Conversions

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

Model RAC(A/X)ZS Series	048ACT	048ADT	048AJT	060ACT
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	48,500 [14.21]	48,500 [14.21]	49,000 [14.36]	59,000 [17.29]
EER2/SEER2 ²	12/16	12/16	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	1600/1525 [755/720]	1600/1525 [755/720]	1600/1525 [755/720]	2000/1800 [944/849]
AHRI Net Cooling Capacity Btu [kW]	47,500 [13.92]	47,500 [13.92]	47,500 [13.92]	57,000 [16.7]
Net Sensible Capacity Btu [kW]	33,300 [9.76]	33,300 [9.76]	33,300 [9.76]	39,000 [11.43]
Net Latent Capacity Btu [kW]	14,200 [4.16]	14,200 [4.16]	14,200 [4.16]	18,000 [5.27]
Net System Power kW	3.84	3.84	3.94	4.82
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	81	81	81	83
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]	15.98 [1.48]	15.98 [1.48]	15.98 [1.48]	15.98 [1.48]
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]	1.26 [32]
Face Area sq. ft. [sq. m]	7.07 [0.66]	7.07 [0.66]	7.07 [0.66]	6.96 [0.65]
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]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4300 [2029]	4300 [2029]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/3 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]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	90 [2552]	90 [2552]	90 [2552]	100 [2835]
Weights				
Net Weight lbs. [kg]	455 [206]	455 [206]	455 [206]	460 [209]
Ship Weight lbs. [kg]	465 [211]	465 [211]	465 [211]	470 [213]

See Page 14 for Notes.

[] Designates Metric Conversions

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

Model RAC(A/X)ZS Series	060ADT	060AJT
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]
EER2/SEER2 ²	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	2000/1800 [944/849]	2000/1800 [944/849]
AHRI Net Cooling Capacity Btu [kW]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu [kW]	39,000 [11.43]	39,000 [11.43]
Net Latent Capacity Btu [kW]	18,000 [5.27]	18,000 [5.27]
Net System Power kW	4.82	5
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³		
	83	83
Outdoor Coil—Fin Type		
Tube Type	Louvered	Louvered
MicroChannel Depth in. [mm]	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.98 [1.48]	15.98 [1.48]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type		
Tube Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	6.96 [0.65]	6.96 [0.65]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type		
Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1050	1050
Indoor Fan—Type		
FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct
No. Speeds	Multiple	Multiple
No. Motors	1	1
Motor HP	1	1
Motor RPM	1050	1050
Motor Frame Size	48	48
Filter—Type		
Field Supplied	Field Supplied	Field Supplied
Furnished	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]		
	100 [2835]	100 [2835]
Weights		
Net Weight lbs. [kg]	460 [209]	460 [209]
Ship Weight lbs. [kg]	470 [213]	470 [213]

See Page 14 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 blower motor heat. AHRI capacity is net and includes the effect of blower motor heat. Units are suitable for operation to $\pm 20\%$ 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.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—RACA ZS024A

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]	825 [389]	650 [307]	900 [425]	825 [389]	650 [307]	900 [425]	825 [389]	650 [307]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	28.7 [8.4] 16.1 [4.7] 1.7	28.2 [8.3] 15.5 [4.5] 1.7	27.1 [7.9] 13.9 [4.1] 1.6	27.1 [7.9] 19.4 [5.7] 1.7	26.6 [7.8] 18.6 [5.5] 1.7	25.6 [7.5] 16.7 [4.9] 1.6	25.7 [7.5] 23.4 [6.9] 1.7	25.3 [7.4] 22.4 [6.6] 1.6	24.3 [7.1] 20.2 [5.9] 1.6
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	28.0 [8.2] 15.3 [4.5] 1.8	27.5 [8.1] 14.7 [4.3] 1.7	26.4 [7.7] 13.3 [3.9] 1.7	26.4 [7.7] 18.6 [5.5] 1.7	25.9 [7.6] 17.8 [5.2] 1.7	24.9 [7.3] 16.1 [4.7] 1.7	25.0 [7.3] 22.6 [6.6] 1.7	24.6 [7.2] 21.6 [6.3] 1.7	23.7 [6.9] 19.5 [5.7] 1.7
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	27.2 [8.0] 14.7 [4.3] 1.8	26.8 [7.9] 14.1 [4.1] 1.8	25.8 [7.6] 12.7 [3.7] 1.8	25.6 [7.5] 17.9 [5.2] 1.8	25.2 [7.4] 17.2 [5.0] 1.8	24.2 [7.1] 15.5 [4.5] 1.8	24.3 [7.1] 21.9 [6.4] 1.8	23.9 [7.0] 21.0 [6.2] 1.8	23.0 [6.7] 18.9 [5.5] 1.8
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	26.5 [7.8] 14.1 [4.1] 1.9	26.0 [7.6] 13.5 [4.0] 1.9	25.0 [7.3] 12.2 [3.6] 1.9	24.9 [7.3] 17.3 [5.1] 1.9	24.5 [7.2] 16.6 [4.9] 1.9	23.5 [6.9] 15.0 [4.4] 1.9	23.5 [6.9] 21.3 [6.2] 1.9	23.2 [6.8] 20.4 [6.0] 1.9	22.3 [6.5] 18.4 [5.4] 1.8
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	25.7 [7.5] 13.6 [4.0] 2.0	25.3 [7.4] 13.1 [3.8] 2.0	24.3 [7.1] 11.8 [3.5] 2.0	24.1 [7.1] 16.9 [5.0] 2.0	23.7 [6.9] 16.2 [4.7] 2.0	22.8 [6.7] 14.6 [4.3] 1.9	22.8 [6.7] 20.8 [6.1] 2.0	22.4 [6.6] 20.0 [5.9] 2.0	21.5 [6.3] 18.0 [5.3] 1.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	24.9 [7.3] 13.3 [3.9] 2.1	24.5 [7.2] 12.7 [3.7] 2.1	23.6 [6.9] 11.5 [3.4] 2.1	23.3 [6.8] 16.5 [4.8] 2.1	22.9 [6.7] 15.8 [4.6] 2.1	22.0 [6.4] 14.3 [4.2] 2.0	22.0 [6.4] 20.5 [6.0] 2.1	21.6 [6.3] 19.7 [5.8] 2.1	20.8 [6.1] 17.7 [5.2] 2.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.1 [7.1] 13.0 [3.8] 2.2	23.7 [6.9] 12.5 [3.7] 2.2	22.8 [6.7] 11.3 [3.3] 2.2	22.5 [6.6] 16.3 [4.8] 2.2	22.1 [6.5] 15.6 [4.6] 2.2	21.3 [6.2] 14.1 [4.1] 2.2	21.2 [6.2] 20.2 [5.9] 2.2	20.8 [6.1] 19.4 [5.7] 2.2	20.0 [5.9] 17.5 [5.1] 2.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	23.2 [6.8] 12.9 [3.8] 2.3	22.9 [6.7] 12.4 [3.6] 2.3	22.0 [6.4] 11.1 [3.3] 2.3	21.6 [6.3] 16.1 [4.7] 2.3	21.3 [6.2] 15.5 [4.5] 2.3	20.5 [6.0] 13.9 [4.1] 2.3	20.3 [5.9] 20.1 [5.9] 2.3	20.0 [5.9] 19.3 [5.7] 2.3	19.2 [5.6] 17.4 [5.1] 2.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	22.4 [6.6] 12.9 [3.8] 2.5	22.0 [6.4] 12.3 [3.6] 2.4	21.2 [6.2] 11.1 [3.3] 2.4	20.8 [6.1] 16.1 [4.7] 2.4	20.4 [6.0] 15.4 [4.5] 2.4	19.6 [5.7] 13.9 [4.1] 2.4	19.4 [5.7] 19.4 [5.7] 2.4	19.1 [5.6] 19.1 [5.6] 2.4	18.4 [5.4] 17.4 [5.1] 2.4
	120 [48.9]	Total BTUH [kW] Sens BTUH [kW] Power	21.5 [6.3] 12.9 [3.8] 2.6	21.1 [6.2] 12.4 [3.6] 2.6	20.3 [5.9] 11.2 [3.3] 2.5	19.9 [5.8] 16.2 [4.7] 2.6	19.6 [5.7] 15.5 [4.5] 2.5	18.8 [5.5] 14.0 [4.1] 2.5	18.6 [5.5] 18.6 [5.5] 2.6	18.3 [5.4] 18.3 [5.4] 2.5	17.6 [5.2] 17.4 [5.1] 2.5
	125 [51.7]	Total BTUH [kW] Sens BTUH [kW] Power	20.6 [6.0] 13.1 [3.8] 2.7	20.2 [5.9] 12.6 [3.7] 2.7	19.5 [5.7] 11.3 [3.3] 2.6	19.0 [5.6] 16.4 [4.8] 2.7	18.7 [5.5] 15.7 [4.6] 2.7	17.9 [5.2] 14.1 [4.1] 2.6	17.6 [5.2] 17.6 [5.2] 2.7	17.4 [5.1] 17.4 [5.1] 2.7	16.7 [4.9] 16.7 [4.9] 2.6

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—RACA ZS036A

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]		1325 [625]	1200 [566]	950 [448]	1325 [625]	1200 [566]	950 [448]	1325 [625]	1200 [566]	950 [448]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
COOLING DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	43.6 [12.8] 25.0 [7.3] 2.5	42.8 [12.5] 23.8 [7.0] 2.5	41.2 [12.1] 21.5 [6.3] 2.5	41.1 [12.0] 29.9 [8.8] 2.5	40.3 [11.8] 28.5 [8.4] 2.5	38.8 [11.4] 25.8 [7.6] 2.4	38.5 [11.3] 34.2 [10.0] 2.5	37.8 [11.1] 32.6 [9.6] 2.5	36.4 [10.7] 29.4 [8.6] 2.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	42.4 [12.4] 24.3 [7.1] 2.6	41.6 [12.2] 23.1 [6.8] 2.6	40.0 [11.7] 20.9 [6.1] 2.6	39.8 [11.7] 29.2 [8.6] 2.6	39.1 [11.5] 27.8 [8.1] 2.6	37.6 [11.0] 25.1 [7.4] 2.5	37.3 [10.9] 33.5 [9.8] 2.6	36.6 [10.7] 31.9 [9.3] 2.6	35.2 [10.3] 28.8 [8.4] 2.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	41.2 [12.1] 23.6 [6.9] 2.8	40.4 [11.8] 22.5 [6.6] 2.7	38.9 [11.4] 20.3 [5.9] 2.7	38.6 [11.3] 28.5 [8.4] 2.7	37.9 [11.1] 27.2 [8.0] 2.7	36.5 [10.7] 24.6 [7.2] 2.6	36.1 [10.6] 32.8 [9.6] 2.7	35.4 [10.4] 31.3 [9.2] 2.7	34.1 [10.0] 28.2 [8.3] 2.6
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	39.9 [11.7] 23.0 [6.7] 2.9	39.2 [11.5] 21.9 [6.4] 2.8	37.7 [11.0] 19.8 [5.8] 2.8	37.4 [11.0] 27.9 [8.2] 2.8	36.7 [10.8] 26.6 [7.8] 2.8	35.3 [10.3] 24.0 [7.0] 2.8	34.9 [10.2] 32.2 [9.4] 2.8	34.2 [10.0] 30.7 [9.0] 2.8	32.9 [9.6] 27.7 [8.1] 2.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	38.7 [11.3] 22.4 [6.6] 3.0	38.0 [11.1] 21.3 [6.2] 3.0	36.6 [10.7] 19.3 [5.7] 2.9	36.2 [10.6] 27.3 [8.0] 3.0	35.5 [10.4] 26.0 [7.6] 2.9	34.2 [10.0] 23.5 [6.9] 2.9	33.6 [9.8] 31.6 [9.3] 2.9	33.0 [9.7] 30.1 [8.8] 2.9	31.8 [9.3] 27.2 [8.0] 2.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.5 [11.0] 21.8 [6.4] 3.1	36.8 [10.8] 20.8 [6.1] 3.1	35.4 [10.4] 18.8 [5.5] 3.1	35.0 [10.3] 26.8 [7.9] 3.1	34.3 [10.1] 25.5 [7.5] 3.1	33.0 [9.7] 23.0 [6.7] 3.0	32.4 [9.5] 31.0 [9.1] 3.1	31.8 [9.3] 29.6 [8.7] 3.1	30.6 [9.0] 26.7 [7.8] 3.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	36.3 [10.6] 21.3 [6.2] 3.3	35.6 [10.4] 20.3 [5.9] 3.3	34.3 [10.1] 18.3 [5.4] 3.2	33.7 [9.9] 26.2 [7.7] 3.3	33.1 [9.7] 25.0 [7.3] 3.2	31.9 [9.3] 22.6 [6.6] 3.2	31.2 [9.1] 30.5 [8.9] 3.2	30.6 [9.0] 29.1 [8.5] 3.2	29.5 [8.6] 26.3 [7.7] 3.1
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	35.1 [10.3] 20.8 [6.1] 3.4	34.4 [10.1] 19.9 [5.8] 3.4	33.1 [9.7] 17.9 [5.2] 3.3	32.5 [9.5] 25.8 [7.6] 3.4	31.9 [9.3] 24.6 [7.2] 3.4	30.7 [9.0] 22.2 [6.5] 3.3	30.0 [8.8] 30.0 [8.8] 3.4	29.4 [8.6] 28.6 [8.4] 3.4	28.3 [8.3] 25.9 [7.6] 3.3
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	33.8 [9.9] 20.4 [6.0] 3.6	33.2 [9.7] 19.5 [5.7] 3.6	32.0 [9.4] 17.6 [5.2] 3.5	31.3 [9.2] 25.3 [7.4] 3.6	30.7 [9.0] 24.2 [7.1] 3.5	29.6 [8.7] 21.8 [6.4] 3.5	28.8 [8.4] 28.8 [8.4] 3.6	28.2 [8.3] 28.2 [8.3] 3.5	27.2 [8.0] 25.5 [7.5] 3.5
	120 [48.9]	Total BTUH [kW] Sens BTUH [kW] Power	32.6 [9.6] 20.0 [5.9] 3.8	32.0 [9.4] 19.1 [5.6] 3.7	30.8 [9.0] 17.2 [5.0] 3.7	30.1 [8.8] 24.9 [7.3] 3.8	29.5 [8.6] 23.8 [7.0] 3.7	28.4 [8.3] 21.5 [6.3] 3.7	27.5 [8.1] 27.5 [8.1] 3.7	27.0 [7.9] 27.0 [7.9] 3.7	26.0 [7.6] 25.1 [7.4] 3.6
125 [51.7]	Total BTUH [kW] Sens BTUH [kW] Power	31.4 [9.2] 19.7 [5.8] 4.0	30.8 [9.0] 18.7 [5.5] 3.9	29.7 [8.7] 16.9 [5.0] 3.9	28.9 [8.5] 24.6 [7.2] 3.9	28.3 [8.3] 23.4 [6.9] 3.9	27.3 [8.0] 21.2 [6.2] 3.8	26.3 [7.7] 26.3 [7.7] 3.9	25.8 [7.6] 25.8 [7.6] 3.9	24.9 [7.3] 24.8 [7.3] 3.8	

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—RACXZS048A

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]		1850 [873]	1800 [850]	1325 [625]	1850 [873]	1800 [850]	1325 [625]	1850 [873]	1800 [850]	1325 [625]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	59.5 [17.4] 32.5 [9.5] 3.5	59.2 [17.4] 32.1 [9.4] 3.5	56.3 [16.5] 28.2 [8.3] 3.4	55.4 [16.2] 37.8 [11.1] 3.4	55.1 [16.1] 37.4 [11.0] 3.4	52.4 [15.4] 32.8 [9.6] 3.4	51.5 [15.1] 42.6 [12.5] 3.4	51.2 [15.0] 42.1 [12.3] 3.4	48.8 [14.3] 36.9 [10.8] 3.3
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	58.1 [17.0] 32.0 [9.4] 3.6	57.8 [16.9] 31.6 [9.3] 3.6	55.0 [16.1] 27.7 [8.1] 3.5	54.0 [15.8] 37.3 [10.9] 3.6	53.7 [15.7] 36.8 [10.8] 3.6	51.1 [15.0] 32.3 [9.5] 3.5	50.1 [14.7] 42.0 [12.3] 3.5	49.8 [14.6] 41.5 [12.2] 3.5	47.4 [13.9] 36.4 [10.7] 3.4
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	56.6 [16.6] 31.3 [9.2] 3.7	56.3 [16.5] 30.9 [9.1] 3.7	53.6 [15.7] 27.1 [7.9] 3.6	52.5 [15.4] 36.6 [10.7] 3.7	52.3 [15.3] 36.2 [10.6] 3.7	49.8 [14.6] 31.7 [9.3] 3.6	48.6 [14.2] 41.4 [12.1] 3.7	48.4 [14.2] 40.8 [12.0] 3.6	46.1 [13.5] 35.8 [10.5] 3.6
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	55.1 [16.1] 30.6 [9.0] 3.9	54.8 [16.1] 30.2 [8.9] 3.9	52.2 [15.3] 26.5 [7.8] 3.8	51.0 [14.9] 35.9 [10.5] 3.8	50.8 [14.9] 35.4 [10.4] 3.8	48.3 [14.2] 31.1 [9.1] 3.7	47.1 [13.8] 40.7 [11.9] 3.8	46.9 [13.7] 40.1 [11.8] 3.8	44.7 [13.1] 35.2 [10.3] 3.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	53.6 [15.7] 29.8 [8.7] 4.0	53.3 [15.6] 29.4 [8.6] 4.0	50.7 [14.9] 25.8 [7.6] 3.9	49.5 [14.5] 35.1 [10.3] 4.0	49.2 [14.4] 34.7 [10.2] 4.0	46.9 [13.7] 30.4 [8.9] 3.9	45.6 [13.4] 39.9 [11.7] 4.0	45.4 [13.3] 39.4 [11.5] 4.0	43.2 [12.7] 34.5 [10.1] 3.9
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.2] 29.0 [8.5] 4.2	51.7 [15.2] 28.6 [8.4] 4.2	49.2 [14.4] 25.1 [7.4] 4.1	47.9 [14.0] 34.3 [10.1] 4.2	47.6 [14.0] 33.8 [9.9] 4.2	45.3 [13.3] 29.7 [8.7] 4.1	44.0 [12.9] 39.0 [11.4] 4.1	43.8 [12.8] 38.5 [11.3] 4.1	41.7 [12.2] 33.8 [9.9] 4.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	50.3 [14.7] 28.1 [8.2] 4.4	50.0 [14.7] 27.7 [8.1] 4.4	47.6 [14.0] 24.3 [7.1] 4.3	46.2 [13.5] 33.3 [9.8] 4.4	46.0 [13.5] 32.9 [9.6] 4.4	43.8 [12.8] 28.9 [8.5] 4.3	42.3 [12.4] 38.1 [11.2] 4.3	42.1 [12.3] 37.6 [11.0] 4.3	40.1 [11.8] 33.0 [9.7] 4.2
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	48.6 [14.2] 27.1 [7.9] 4.6	48.3 [14.2] 26.7 [7.8] 4.6	46.0 [13.5] 23.4 [6.9] 4.5	44.5 [13.0] 32.4 [9.5] 4.6	44.3 [13.0] 31.9 [9.3] 4.6	42.2 [12.4] 28.0 [8.2] 4.5	40.6 [11.9] 37.1 [10.9] 4.5	40.4 [11.8] 36.6 [10.7] 4.5	38.5 [11.3] 32.1 [9.4] 4.4
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	46.8 [13.7] 26.0 [7.6] 4.8	46.6 [13.7] 25.7 [7.5] 4.8	44.4 [13.0] 22.5 [6.6] 4.7	42.7 [12.5] 31.3 [9.2] 4.8	42.5 [12.5] 30.9 [9.1] 4.8	40.5 [11.9] 27.1 [7.9] 4.7	38.9 [11.4] 36.1 [10.6] 4.7	38.7 [11.3] 35.6 [10.4] 4.7	36.8 [10.8] 31.2 [9.1] 4.6
	120 [48.9]	Total BTUH [kW] Sens BTUH [kW] Power	45.0 [13.2] 24.9 [7.3] 5.1	44.8 [13.1] 24.6 [7.2] 5.1	42.6 [12.5] 21.5 [6.3] 4.9	40.9 [12.0] 30.2 [8.9] 5.0	40.7 [11.9] 29.8 [8.7] 5.0	38.8 [11.4] 26.1 [7.6] 4.9	37.0 [10.8] 34.9 [10.2] 5.0	36.8 [10.8] 34.5 [10.1] 5.0	35.1 [10.3] 30.2 [8.9] 4.9
	125 [51.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.1 [12.6] 23.7 [6.9] 5.3	42.9 [12.6] 23.4 [6.9] 5.3	40.9 [12.0] 20.5 [6.0] 5.2	39.0 [11.4] 29.0 [8.5] 5.3	38.8 [11.4] 28.6 [8.4] 5.3	37.0 [10.8] 25.1 [7.4] 5.1	35.2 [10.3] 33.7 [9.9] 5.2	35.0 [10.3] 33.3 [9.8] 5.2	33.3 [9.8] 29.2 [8.6] 5.1

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 – RACAXZS060A

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]		2150 [1015]	1800 [850]	1550 [732]	2150 [1015]	1800 [850]	1550 [732]	2150 [1015]	1800 [850]	1550 [732]	
DR ①		.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	71.4 [20.9] 40.3 [11.8] 4.3	69.0 [20.2] 37.0 [10.8] 4.2	67.2 [19.7] 34.6 [10.1] 4.2	66.7 [19.5] 46.2 [13.5] 4.2	64.4 [18.9] 42.4 [12.4] 4.2	62.8 [18.4] 39.6 [11.6] 4.1	62.0 [18.2] 52.1 [15.3] 4.2	59.9 [17.6] 47.8 [14.0] 4.1	58.4 [17.1] 44.7 [13.1] 4.0
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	69.7 [20.4] 39.6 [11.6] 4.5	67.3 [19.7] 36.3 [10.6] 4.4	65.6 [19.2] 33.9 [9.9] 4.3	65.0 [19.1] 45.5 [13.3] 4.4	62.7 [18.4] 41.7 [12.2] 4.3	61.2 [17.9] 39.0 [11.4] 4.3	60.3 [17.7] 51.4 [15.1] 4.3	58.2 [17.1] 47.1 [13.8] 4.3	56.7 [16.6] 44.0 [12.9] 4.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	67.9 [19.9] 38.8 [11.4] 4.7	65.6 [19.2] 35.6 [10.4] 4.6	63.9 [18.7] 33.3 [9.8] 4.5	63.2 [18.5] 44.7 [13.1] 4.6	61.0 [17.9] 41.0 [12.0] 4.5	59.5 [17.4] 38.3 [11.2] 4.5	58.5 [17.1] 50.6 [14.8] 4.5	56.5 [16.6] 46.4 [13.6] 4.4	55.1 [16.1] 43.4 [12.7] 4.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	66.1 [19.4] 38.1 [11.2] 4.9	63.9 [18.7] 34.9 [10.2] 4.8	62.3 [18.3] 32.6 [9.6] 4.7	61.4 [18.0] 44.0 [12.9] 4.8	59.3 [17.4] 40.3 [11.8] 4.7	57.8 [16.9] 37.7 [11.0] 4.6	56.7 [16.6] 49.8 [14.6] 4.7	54.8 [16.1] 45.7 [13.4] 4.6	53.4 [15.7] 42.7 [12.5] 4.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	64.4 [18.9] 37.3 [10.9] 5.1	62.2 [18.2] 34.2 [10.0] 5.0	60.6 [17.8] 32.0 [9.4] 4.9	59.7 [17.5] 43.2 [12.7] 5.0	57.6 [16.9] 39.6 [11.6] 4.9	56.2 [16.5] 37.0 [10.8] 4.9	55.0 [16.1] 49.1 [14.4] 4.9	53.1 [15.6] 45.0 [13.2] 4.8	51.8 [15.2] 42.1 [12.3] 4.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	62.6 [18.3] 36.6 [10.7] 5.3	60.5 [17.7] 33.5 [9.8] 5.2	58.9 [17.3] 31.3 [9.2] 5.1	57.9 [17.0] 42.4 [12.4] 5.2	55.9 [16.4] 38.9 [11.4] 5.1	54.5 [16.0] 36.4 [10.7] 5.1	53.2 [15.6] 48.3 [14.2] 5.2	51.4 [15.1] 44.3 [13.0] 5.1	50.1 [14.7] 41.4 [12.1] 5.0
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	60.8 [17.8] 35.8 [10.5] 5.5	58.8 [17.2] 32.8 [9.6] 5.4	57.3 [16.8] 30.7 [9.0] 5.4	56.1 [16.4] 41.7 [12.2] 5.5	54.2 [15.9] 38.2 [11.2] 5.4	52.9 [15.5] 35.7 [10.5] 5.3	51.4 [15.1] 47.6 [14.0] 5.4	49.7 [14.6] 43.6 [12.8] 5.3	48.4 [14.2] 40.8 [12.0] 5.2
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	59.1 [17.3] 35.0 [10.3] 5.8	57.1 [16.7] 32.1 [9.4] 5.7	55.6 [16.3] 30.0 [8.8] 5.6	54.4 [15.9] 40.9 [12.0] 5.7	52.5 [15.4] 37.5 [11.0] 5.6	51.2 [15.0] 35.1 [10.3] 5.6	49.7 [14.6] 46.8 [13.7] 5.7	48.0 [14.1] 42.9 [12.6] 5.6	46.8 [13.7] 40.1 [11.8] 5.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	57.3 [16.8] 34.3 [10.1] 6.1	55.4 [16.2] 31.4 [9.2] 6.0	54.0 [15.8] 29.4 [8.6] 5.9	52.6 [15.4] 40.2 [11.8] 6.0	50.8 [14.9] 36.8 [10.8] 5.9	49.5 [14.5] 34.4 [10.1] 5.8	47.9 [14.0] 46.1 [13.5] 5.9	46.3 [13.6] 42.2 [12.4] 5.8	45.1 [13.2] 39.5 [11.6] 5.8
	120 [48.9]	Total BTUH [kW] Sens BTUH [kW] Power	55.5 [16.3] 33.5 [9.8] 6.4	53.7 [15.7] 30.7 [9.0] 6.3	52.3 [15.3] 28.7 [8.4] 6.2	50.9 [14.9] 39.4 [11.5] 6.3	49.1 [14.4] 36.1 [10.6] 6.2	47.9 [14.0] 33.8 [9.9] 6.1	46.2 [13.5] 45.3 [13.3] 6.2	44.6 [13.1] 41.5 [12.2] 6.1	43.5 [12.7] 38.8 [11.4] 6.1
	125 [51.7]	Total BTUH [kW] Sens BTUH [kW] Power	53.8 [15.8] 32.8 [9.6] 6.7	51.9 [15.2] 30.0 [8.8] 6.6	50.6 [14.8] 28.1 [8.2] 6.5	49.1 [14.4] 38.6 [11.3] 6.6	47.4 [13.9] 35.4 [10.4] 6.5	46.2 [13.5] 33.1 [9.7] 6.4	44.4 [13.0] 44.4 [13.0] 6.5	42.9 [12.6] 40.8 [12.0] 6.4	41.8 [12.3] 38.2 [11.2] 6.3

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 RACAZS/RACXZS - 208/230 VOLTS 1-PHASE

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] (Side Discharge-Dry Coil)											
				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]	700 CFM / 900 CFM	10 x 9 Blower 1/3 HP [249W]	Tap 1 Low Heater Kit	CFM [l/s]	709 [335]	650 [307]	568 [268]	510 [241]	459 [217]	391 [185]	332 [157]	301 [142]	277 [131]	244 [115]	
				RPM	580	646	707	757	806	869	910	950	990	1038	
				Watts	68	76	81	86	90	97	101	104	109	113	
			Tap 2 High Heater Kit	CFM [l/s]	855 [404]	802 [379]	758 [358]	706 [333]	582 [275]	545 [257]	514 [243]	471 [222]	422 [199]	380 [179]	344 [161]
				RPM	651	708	754	807	857	896	934	1009	1049	1079	1113
				Watts	101	108	115	121	127	133	137	147	152	156	161
			Tap 3 AC Low	CFM [l/s]	773 [365]	720 [340]	665 [314]	584 [276]	531 [251]	479 [226]	427 [202]	365 [172]	322 [152]	303 [143]	277 [131]
				RPM	614	670	728	784	824	875	934	978	1015	1053	1099
				Watts	82	88	95	101	105	111	117	122	126	131	136
			Tap 4 AC High	CFM [l/s]	1020 [481]	984 [464]	943 [445]	897 [423]	853 [403]	812 [383]	753 [355]	713 [336]	676 [319]	641 [303]	607 [287]
				RPM	745	786	827	871	915	960	1006	1043	1073	1107	1141
				Watts	156	163	171	178	186	193	202	208	213	219	225
			Tap 5 AC Alt. High	CFM [l/s]	900 [425]	857 [404]	808 [381]	758 [358]	696 [328]	648 [306]	610 [288]	564 [266]	519 [245]	458 [216]	407 [193]
				RPM	677	729	776	828	882	920	957	1001	1059	1099	1141
				Watts	115	121	129	136	143	149	154	160	168	174	179
3.0 [10.55]	1050 CFM / 1350 CFM	12 x 9T Blower 1/2 HP [373W]	Tap 1 Low Heater Kit	CFM [l/s]	869 [410]	804 [379]	675 [319]	549 [259]	487 [230]	406 [192]	340 [160]	301 [142]	229 [108]	174 [82]	
				RPM	540	585	661	696	734	777	804	843	877	908	940
				Watts	84	90	100	104	109	114	117	123	127	131	135
			Tap 2 High Heater Kit	CFM [l/s]	1096 [517]	1046 [494]	992 [468]	872 [412]	791 [373]	716 [338]	655 [309]	585 [276]	506 [239]	426 [201]	356 [170]
				RPM	635	672	705	774	816	847	876	923	951	968	988
				Watts	142	150	156	168	176	183	187	196	201	204	208
			Tap 3 AC Low	CFM [l/s]	950 [448]	886 [418]	780 [368]	685 [323]	576 [272]	504 [238]	430 [203]	346 [163]	330 [156]	266 [126]	215 [103]
				RPM	563	606	673	720	755	805	833	856	898	926	956
				Watts	100	106	115	123	127	135	139	142	148	151	154
			Tap 4 AC High	CFM [l/s]	1405 [663]	1361 [642]	1317 [622]	1283 [606]	1237 [584]	1186 [560]	1072 [506]	1014 [479]	956 [451]	887 [419]	817 [391]
				RPM	768	796	828	852	878	904	978	1008	1034	1063	1093
				Watts	271	279	289	295	302	310	332	339	349	357	367
			Tap 5 AC Alt. High	CFM [l/s]	1631 [770]	1598 [754]	1556 [734]	1510 [713]	1481 [699]	1442 [681]	1401 [661]	1359 [641]	1196 [564]	1091 [515]	1011 [481]
				RPM	872	892	921	946	968	992	1018	1040	1102	1117	1132
				Watts	413	420	430	440	448	457	467	475	476	489	499

NOTES: Shaded cells indicate airflow outside of manufacturers recommendation.
 Do not connect wiring to unspecified speed taps.

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZS/RACXZS - 208/230 VOLTS 1-PHASE (CONTINUED)

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] (Side Discharge-Dry Coil)												
				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]			
4.0 [14.07]	1400 CFM / 1800 CFM	12 x 9T Blower 3/4 HP [560W]	Tap 1 Low Heater Kit	CFM [l/s]	1095 [517]	1040 [491]	982 [464]	912 [431]	829 [391]	772 [365]	677 [320]	586 [277]	529 [250]	465 [219]		
				RPM	544	596	641	691	739	798	855	902	949			
				Watts	125	133	142	148	159	170	182	191	196	202		
			Tap 2 High Heater Kit	CFM [l/s]	1113 [525]	1050 [495]	993 [469]	943 [445]	797 [376]	756 [357]	698 [330]	612 [289]	541 [255]	477 [225]	419	354
				RPM	549	601	647	690	765	790	856	898	931	954		
				Watts	125	135	148	147	169	173	185	197	200	204		
			Tap 3 AC Low	CFM [l/s]	1436 [678]	1401 [661]	1346 [635]	1304 [615]	1263 [596]	1220 [576]	1163 [549]	1082 [511]	978 [461]	849 [404]	719 [344]	589 [279]
				RPM	669	701	747	787	821	853	892	936	999	1011		
				Watts	239	249	265	277	286	297	309	321	342	345		
			Tap 4 AC High	CFM [l/s]	1712 [808]	1673 [790]	1647 [777]	1603 [757]	1565 [738]	1514 [714]	1480 [698]	1444 [682]	1403 [662]	1369 [646]	1335 [630]	1301 [614]
				RPM	773	803	828	853	881	909	939	966	996	1022	1050	
				Watts	387	399	409	423	442	456	466	481	491	503		
Tap 5 AC Alt. High	CFM [l/s]	1843 [870]	1809 [854]	1776 [838]	1749 [825]	1712 [808]	1670 [788]	1635 [772]	1598 [754]	1560 [736]	1527 [720]	1494 [704]	1461 [688]			
	RPM	821	853	878	905	935	974	1003	1030	1061	1091					
	Watts	475	491	503	516	529	548	562	574	589	604					
5.0 [17.58]	1750 CFM / 2250 CFM	12 x 9T Blower 1 HP [746W]	Tap 1 Low Heater Kit	CFM [l/s]	1121 [529]	1060 [500]	1003 [473]	949 [448]	835 [394]	764 [361]	692 [327]	632 [298]	572 [269]	512 [240]		
				RPM	588	637	683	725	798	839	878	909	939	970		
				Watts	157	168	177	187	203	211	219	226	232	239		
			Tap 2 High Heater Kit	CFM [l/s]	1442 [681]	1392 [657]	1344 [634]	1293 [610]	1243 [587]	1198 [565]	1170 [552]	1142 [539]	1114 [526]	1086 [513]	1058 [500]	1030 [487]
				RPM	721	758	795	834	872	902	929	958	986	1014	1042	1072
				Watts	299	310	323	336	349	359	368	377	386	395	404	416
			Tap 3 AC Low	CFM [l/s]	1404 [663]	1357 [640]	1307 [617]	1253 [591]	1205 [569]	1159 [547]	1093 [516]	998 [471]	931 [439]	869 [410]	807 [381]	745 [352]
				RPM	696	734	772	812	849	879	930	986	1021	1052		
				Watts	271	283	295	308	319	329	345	363	374	384		
			Tap 4 AC High	CFM [l/s]	1974 [932]	1937 [914]	1899 [896]	1864 [880]	1822 [860]	1780 [840]	1738 [820]	1696 [800]	1650 [779]	1606 [758]	1562 [737]	1518 [716]
				RPM	919	945	973	1000	1032	1061	1087	1116	1144	1168		
				Watts	712	729	745	761	780	797	812	829	845	859		
Tap 5 AC Alt. High	CFM [l/s]	2084 [984]	2050 [967]	2015 [951]	1978 [934]	1940 [916]	1905 [899]	1862 [879]	1822 [860]	1777 [839]	1738 [820]	1694 [801]	1650 [782]			
	RPM	956	986	1014	1041	1065	1091	1121	1148	1171	1195					
	Watts	826	848	867	885	900	917	936	954	967	983					

NOTES: Shaded cells indicate airflow outside of manufacturers recommendation.
 Do not connect wiring to unspecified speed taps.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	1000 [472]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	0	.05 [.012]	.17 [.042]

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZS/RACXZS - 208/230 VOLTS 3-PHASE

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] (Side Discharge-Dry Coil)												
				0.1 [0.2]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]			
3.0 [10.55]	1050 CFM/ 1350 CFM	Tap 1 Low Heater Kit	CFM [l/s]	869 [410]	804 [379]	675 [319]	549 [259]	487 [230]	406 [192]	340 [160]	301 [142]	229 [108]	174 [82]			
			RPM	540	585	661	696	734	777	804	843	877	908			
			Watts	84	90	100	104	109	114	117	123	127	131			
		Tap 2 High Heater kit	CFM [l/s]	1096 [517]	1046 [494]	992 [468]	872 [412]	791 [373]	716 [338]	655 [309]	585 [276]	506 [239]	426 [201]			
			RPM	635	672	705	774	816	847	876	923	951	968			
			Watts	142	150	156	168	176	183	187	196	201	204			
		Tap 3 AC Low	CFM [l/s]	805 [380]	728 [344]	582 [275]	498 [235]	394 [186]	303 [143]	259 [122]	193 [91]	0 [0]	0 [0]			
			RPM	509	560	628	671	724	740	791	820	0	0			
			Watts	71	77	84	89	94	97	102	106	0	0			
		Tap 4 AC High	CFM [l/s]	1253 [591]	1203 [568]	1156 [546]	1109 [523]	1012 [478]	934 [441]	856 [404]	788 [372]	728 [344]	679 [320]			
			RPM	701	738	767	795	858	902	935	962	988	1029			
			Watts	198	207	215	220	235	245	254	259	266	276			
		Tap 5 AC Alt. High	CFM [l/s]	1516 [715]	1480 [698]	1440 [680]	1404 [663]	1352 [638]	1312 [619]	1268 [598]	1145 [540]	1089 [514]	1014 [479]			
			RPM	821	851	874	902	932	956	981	1055	1086	1100			
			Watts	337	348	354	365	372	381	389	414	421	420			
4.0 [14.07]	1400 CFM/ 1800 CFM	Tap 1 Low Heater Kit	CFM [l/s]	1113 [525]	1050 [495]	993 [469]	943 [445]	797 [376]	756 [357]	698 [330]	612 [289]	541 [255]	477 [225]			
			RPM	549	601	647	690	765	790	856	898	931	954			
			Watts	125	135	148	147	169	173	185	197	200	204			
		Tap 2 High Heater Kit	CFM [l/s]	1436 [678]	1401 [661]	1346 [635]	1304 [615]	1263 [596]	1220 [576]	1163 [549]	1082 [511]	978 [461]	949 [448]			
			RPM	669	701	747	787	821	853	892	936	999	1011			
			Watts	239	249	265	277	286	297	309	321	342	345			
		Tap 3 AC Low	CFM [l/s]	1113 [525]	1050 [495]	993 [469]	943 [445]	797 [376]	756 [357]	698 [330]	612 [289]	541 [255]	477 [225]			
			RPM	549	601	647	690	765	790	856	898	931	954			
			Watts	125	135	148	147	169	173	185	197	200	204			
		Tap 4 AC High	CFM [l/s]	1595 [753]	1555 [734]	1514 [714]	1463 [690]	1423 [672]	1390 [656]	1351 [637]	1311 [619]	1257 [593]	1214 [573]			
			RPM	724	759	789	836	867	902	928	956	993	1023			
			Watts	316	330	336	353	366	380	388	400	414	428			
		Tap 5 AC Alt. High	CFM [l/s]	1843 [870]	1809 [854]	1776 [838]	1749 [825]	1712 [808]	1670 [788]	1635 [772]	1598 [754]	1560 [736]	1527 [720]			
			RPM	821	853	878	905	935	974	1003	1030	1061	1091			
			Watts	475	491	503	516	529	548	562	574	589	604			

NOTES: Shaded cells indicate airflow outside of manufacturer's recommendation.
 Do not connect wiring to unspecified speed taps.

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZS/RACXZS - 208/230 VOLTS 3-PHASE (CONTINUED)

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] (Side Discharge-Dry Coil)												
				0.1 [0.2]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]			
5.0 [17.58]	1750 CFM/ 2250 CFM	12 x 9T Blower 1 HP [746W]	Tap 1 Low Heater Kit	CFM [l/s]	1121 [529]	1060 [500]	1003 [473]	949 [448]	835 [394]	764 [361]	692 [327]	632 [298]	0 [0]	0 [0]	0 [0]	
				RPM	588	637	683	725	798	839	878	909	0	0	0	
				Watts	157	168	177	187	203	211	219	226	0	0	0	
			Tap 2 High Heater Kit	CFM [l/s]	1442 [681]	1392 [657]	1344 [634]	1293 [610]	1243 [587]	1198 [565]	1170 [552]	1062 [501]	998	1042	1072	919 [434]
				RPM	721	758	795	834	872	902	929	928	965	999	1030	756 [357]
				Watts	299	310	323	336	349	359	368	390	405	416	416	336
			Tap 3 AC Low	CFM [l/s]	1319 [622]	1265 [597]	1208 [570]	1153 [544]	1123 [530]	1074 [507]	951 [449]	882 [416]	822 [386]	756 [357]	1030	336
				RPM	662	702	746	786	819	852	928	965	999	1030	336	336
				Watts	232	243	256	267	276	285	306	317	327	336	336	336
			Tap 4 AC High	CFM [l/s]	1872 [883]	1835 [866]	1794 [847]	1756 [829]	1715 [809]	1676 [791]	1629 [769]	1586 [749]	1545 [729]	1500 [708]	1129	732
				RPM	873	899	930	959	989	1020	1053	1081	1105	1129	732	732
				Watts	596	610	626	642	658	674	691	707	720	732	732	732
			Tap 5 AC Alt. High	CFM [l/s]	2084 [984]	2050 [967]	2015 [951]	1978 [934]	1940 [916]	1905 [899]	1862 [879]	1822 [860]	1777 [839]	1738 [820]	1195	983
				RPM	956	986	1014	1041	1065	1091	1121	1148	1171	1195	983	983
				Watts	826	848	867	885	900	917	936	954	967	983	983	983

NOTES: Shaded cells indicate airflow outside of manufacturers recommendation.
 Do not connect wiring to unspecified speed taps.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	0	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZS/RACXZS - 460 VOLTS 3-PHASE

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa] (Side Discharge-Dry Coil)												
				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]	1050 CFM / 1350 CFM	12 x 9T Blower 1HP [746W]	Tap 1 Low Heater Kit	CFM [l/s]	880 [415]	799 [377]	668 [315]	542 [256]	481 [227]	399 [188]	317 [150]	286 [135]	217 [102]	150 [71]		
				RPM	541	592	660	695	732	777	792	830	855	887		
				Watts	82	89	98	102	108	112	115	118	123	128		
			Tap 2 High Heater Kit	CFM [l/s]	1112 [525]	1050 [496]	991 [468]	880 [415]	798 [377]	716 [338]	646 [305]	589 [278]	507 [239]	410 [193]		
				RPM	639	678	713	780	815	851	880	928	948	966		
				Watts	136	143	149	162	168	175	181	187	194	197		
			Tap 3 AC Low	CFM [l/s]	800 [378]	695 [328]	576 [272]	483 [228]	381 [180]	287 [135]	258 [122]	194 [92]	0 [0]	0 [0]		
				RPM	517	583	628	670	720	738	777	812	0	0		
				Watts	74	78	83	88	94	96	100	103	0	0		
			Tap 4 AC High	CFM [l/s]	1271 [600]	1220 [576]	1171 [553]	1117 [527]	1015 [479]	935 [441]	859 [405]	787 [371]	723 [341]	675 [319]		
				RPM	707	738	776	807	866	908	936	965	993	1030		
				Watts	185	194	202	210	223	232	240	247	253	262		
			Tap 5 AC Alt. High	CFM [l/s]	1549 [731]	1504 [710]	1469 [693]	1421 [671]	1379 [651]	1336 [631]	1283 [606]	1174 [554]	1107 [522]	1051 [496]		
				RPM	830	857	884	913	937	961	991	1057	1086	1112		
				Watts	307	317	325	333	342	350	360	382	393	402		
4.0 [14.07]	1400 CFM / 1800 CFM	12 x 9T Blower 3/4 HP [560W]	Tap 1 Low Heater Kit	CFM [l/s]	1103 [521]	1050 [496]	993 [469]	937 [442]	820 [387]	787 [372]	680 [321]	621 [293]	530 [250]	465 [220]		
				RPM	547	595	644	689	755	800	861	895	934	954		
				Watts	123	133	143	151	164	173	185	191	200	204		
			Tap 2 High Heater Kit	CFM [l/s]	1440 [680]	1401 [661]	1367 [645]	1318 [622]	1272 [600]	1220 [576]	1186 [560]	1104 [521]	991 [468]	958 [452]		
				RPM	676	710	743	787	825	861	892	941	1006	1022		
				Watts	240	252	262	275	287	299	308	324	346	351		
			Tap 3 AC Low	CFM [l/s]	1018 [480]	957 [452]	898 [424]	789 [372]	706 [333]	641 [303]	540 [255]	461 [218]	403 [190]	358 [169]		
				RPM	518	574	618	687	734	803	846	880	902	943		
				Watts	103	113	120	132	140	151	158	164	168	174		
			Tap 4 AC High	CFM [l/s]	1601 [755]	1557 [735]	1520 [717]	1485 [701]	1453 [686]	1400 [661]	1357 [641]	1322 [624]	1269 [599]	1182 [558]		
				RPM	733	766	797	830	863	906	935	967	1005	1057		
				Watts	314	327	339	352	364	381	391	402	418	437		
			Tap 5 AC Alt. High	CFM [l/s]	1849 [872]	1804 [852]	1773 [837]	1740 [821]	1707 [806]	1675 [790]	1638 [773]	1599 [755]	1565 [738]	1525 [720]		
				RPM	817	850	879	904	934	968	999	1034	1060	1096		
				Watts	456	471	486	500	512	527	545	562	575	592		

NOTES: Shaded cells indicate airflow outside of manufacturers recommendation.
 Do not connect wiring to unspecified speed taps.

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACAZS/RACXZS - 460 VOLTS 3-PHASE

Nominal Cooling Capacity Tons [kW]	Manufacturer Recommended Heat Pump Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure—Inches W.C. (kPa) (Side Discharge—Dry Coil)												
				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 [17.58]	1750 CFM / 2250 CFM	12 x 9T Blower 1 HP [746W]	Tap 1 Low Heater Kit	CFM [l/s]	1121 [529]	1060 [500]	1003 [473]	949 [448]	835 [394]	764 [361]	692 [327]	632 [298]	0 [0]	0 [0]		
				RPM	588	637	683	725	798	878	909	0	0			
				Watts	157	168	177	187	203	219	226	0	0			
			Tap 2 High Heater Kit	CFM [l/s]	1442 [681]	1392 [657]	1344 [634]	1293 [610]	1243 [587]	1198 [565]	1170 [552]	1062 [501]	981 [463]	919 [434]		
				RPM	721	758	795	834	872	902	929	998	1042	1072		
				Watts	299	310	323	336	349	359	368	390	405	416		
			Tap 3 AC Low	CFM [l/s]	1319 [622]	1265 [597]	1208 [570]	1153 [544]	1123 [530]	1074 [507]	951 [449]	882 [416]	818 [386]	756 [357]		
				RPM	662	702	746	786	819	852	928	965	999	1030		
				Watts	232	243	256	267	276	285	306	317	327	336		
			Tap 4 AC High	CFM [l/s]	1872 [883]	1835 [866]	1794 [847]	1756 [829]	1715 [809]	1676 [791]	1629 [769]	1586 [749]	1545 [729]	1500 [708]		
				RPM	873	899	930	959	989	1020	1053	1081	1105	1129		
				Watts	596	610	626	642	658	674	691	707	720	732		
			Tap 5 AC Alt. High	CFM [l/s]	2084 [984]	2050 [967]	2015 [951]	1978 [934]	1940 [916]	1905 [899]	1862 [879]	1822 [860]	1777 [839]	1738 [820]		
				RPM	956	986	1014	1041	1065	1091	1121	1148	1171	1195		
				Watts	826	848	867	885	900	917	936	954	967	983		

NOTES: Shaded cells indicate airflow outside of manufacturers recommendation.
 Do not connect wiring to unspecified speed taps.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)								
CFM [L/s]	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	0	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[] Designates Metric Conversions

ELECTRICAL DATA - RACAZS SERIES					
		024AJT	036ACT	036ADT	036AJT
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	187-253
	Volts	208/230	208/230	460	208/230
	Phase	1	3	3	1
	Hz	60	60	60	60
	Minimum Circuit Ampacity	18	17	10	25
	Minimum Overcurrent Protection Device Size	25	20	15	30
	Maximum Overcurrent Protection Device Size	25	25	15	40
Compressor Motor	No.	1	1	1	1
	Volts	208/230	208/230	460	208/230
	Phase	1	3	3	1
	RPM	3500	3500	3500	3500
	HP, Compressor 1				
	Amps (RLA), Comp. 1	10.9	8.8	4	15.3
	Amps (LRA), Comp. 1	55.2	70	31	78.1
	HP, Compressor 2				
	Amps (RLA), Comp. 2				
Amps (LRA), Comp. 2					
Condenser Motor	No.	1	1	1	1
	Volts	208/230	208/230	460	208/230
	Phase	1	1	1	1
	HP	1/6	1/3	1/3	1/3
	Amps (FLA, each)	0.6	1.5	0.8	1.5
	Amps (LRA, each)	1.5	3	1.6	3
Evaporator Fan	No.	1	1	1	1
	Volts	208/230	208/230	460	208/230
	Phase	1	1	1	1
	HP	1/3	1	1	1
	Amps (FLA, each)	2.8	4.1	4	4.1
	Amps (LRA, each)				

ELECTRICAL DATA - RACXZS 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	24	12	33	28	13	39
	Minimum Overcurrent Protection Device Size	30	15	40	35	15	45
	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	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	2	1	2	2	1	2
	Amps (LRA, each)	3.9	2.2	3.9	3.9	2.2	3.9
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)	6	2.7	6	7.6	4	7.6
	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				
Model Number RACAZS	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	—	—	17/17	25/25	—	—	17/17	25/25
	A05C	3.8/5	10.4/12	19/21	25/25	13/15	15/15	17/17	25/25
	A08C	5.7/7.6	15.9/18.3	25/28	25/30	20/23	20/25	17/17	25/25
	A10C	7.2/9.6	20/23.1	31/34	35/35	25/29	25/30	17/17	25/25
	A15C	10.8/14.4	30.1/34.7	43/49	45/50	38/44	40/45	17/17	25/25

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				
Model Number RACAZS	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ-Heater Kit Nominal kW	Rated Heater kW @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size Min./Max	Min. Ckt. Ampacity 480V	Max. Fuse Size 480V	Min. Circuit Ampacity 480V	Over Current Protective Device Size Min./Max
036ADT000NA HEATER KW	NONE	—	—	10	15	—	—	10	15
	A05D	4.8	5.8	12	15	8	15	10	15
	A08D	7.6	9.1	16	20	12	15	10	15
	A10D	9.6	11.6	19	20	15	15	10	15
	A15D	14.4	17.3	26	30	22	25	10	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				
Model Number RACAZS	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	39/44	40/45	35/40	35/40	18/18	25/25
	A10J	7.2/9.6	34.6/40	48/54	50/60	44/50	45/50	18/18	25/25
036AJT000NA HEATER KW	NONE	—	—	25/25	40/40	—	—	25/25	40/40
	A05J	3.6/4.8	17.3/20	27/31	40/40	22/25	25/25	25/25	40/40
	A08J	5.7/7.6	27.4/31.6	40/45	40/45	35/40	35/40	25/25	40/40
	A10J	7.2/9.6	34.6/40	49/56	50/60	44/50	45/50	25/25	40/40
	A15J	10.8/14.4	51.9/60	70/81	70/90	65/75	70/80	25/25	40/40

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				
Model Number RACXZS	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
048ACT000NA HEATER KW	NONE	—	—	24/24	35/35	—	—	24/24	35/35
	A05C	3.8/5	10.4/12	24/24	35/35	13/15	15/15	24/24	35/35
	A08C	5.7/7.6	15.9/18.3	28/31	35/35	20/23	20/25	24/24	35/35
	A10C	7.2/9.6	20/23.1	33/37	35/40	25/29	25/30	24/24	35/35
	A15C	10.8/14.4	30.1/34.7	46/51	50/60	38/44	40/45	24/24	35/35
060ADT000NA HEATER KW	NONE	—	—	28/28	40/40	—	—	28/28	40/40
	A05C	3.8/5	10.4/12	28/28	40/40	13/15	15/15	28/28	40/40
	A08C	5.7/7.6	15.9/18.3	30/33	40/40	20/23	20/25	28/28	40/40
	A10C	7.2/9.6	20/23.1	35/39	40/40	25/29	25/30	28/28	40/40
	A15C	10.8/14.4	30.1/34.7	48/53	50/60	38/44	40/45	28/28	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				
Model Number RACXZS	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ-Heater Kit Nominal kW	Rated Heater kW @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size Min./Max	Min. Ckt. Ampacity 480V	Max. Fuse Size 480V	Min. Circuit Ampacity 480V	Over Current Protective Device Size Min./Max
048ADT000NA HEATER KW	NONE	—	—	12	15	—	—	12	15
	A05D	4.8	5.8	12	15	8	15	12	15
	A08D	7.6	9.1	15	15	12	15	12	15
	A10D	9.6	11.6	18	20	15	15	12	15
	A15D	14.4	17.3	25	25	22	25	12	15
060ADT000NA 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

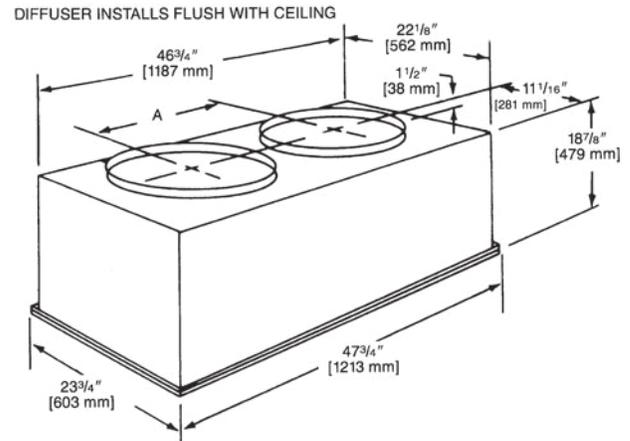
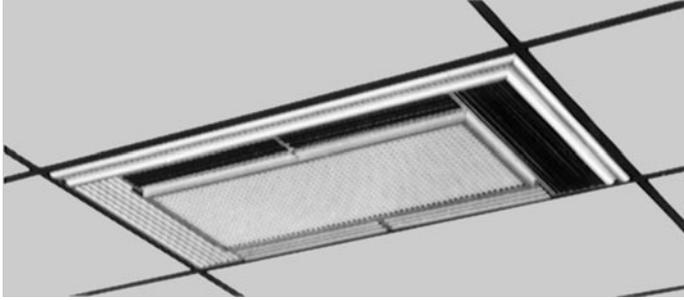
208/240 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION									
Single Power Supply for Both Unit and Heater Kit					Separate Power Supply for Both Unit and Heater Kit				
Model Number RACXZS	Heater Kit			Air Conditioner		Heater Kit		Air Conditioner	
	RXQJ-Heater 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
048AJT000NA HEATER KW	NONE	—	—	33/33	50/50	—	—	33/33	50/50
	A05J	3.6/4.8	17.3/20	33/33	50/50	22/25	25/25	33/33	50/50
	A08J	5.7/7.6	27.4/31.6	42/47	50/50	35/40	35/40	33/33	50/50
	B10J	7.2/9.6	34.6/40	51/58	60/60	44/50	45/50	33/33	50/50
	B15J	10.8/14.4	51.9/60	73/83	80/90	65/75	70/80	33/33	50/50
060AJT000NA HEATER	NONE	—	—	39/39	60/60	—	—	39/39	60/60
	A05J	3.6/4.8	17.3/20	39/39	60/60	22/25	25/25	39/39	60/60
	A08J	5.7/7.6	27.4/31.6	44/49	60/60	35/40	35/40	39/39	60/60
	B10J	7.2/9.6	34.6/40	53/60	60/60	44/50	45/50	39/39	60/60
	B15J	10.8/14.4	51.9/60	75/85	80/90	65/75	70/80	39/39	60/60

ACCESSORY EQUIPMENT

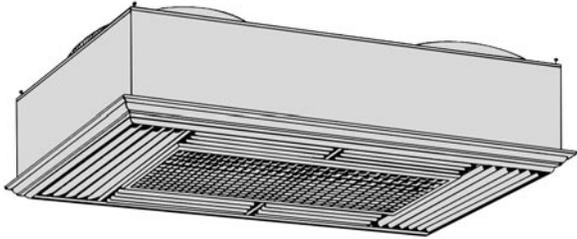
Accessory Description	Model Application	Accessory Model No.
Roofcurb	RACA	RXSG-AAA08 (8" [203 mm] Height)
		RXSG-AAA14 (14" [356 mm] Height)
	RACX	RXSG-AXA14 (14" [356 mm] Height)
		RXSG-AXA24 (24" [610 mm] Height)
Curb Adapter ("A" footprint to "X" footprint)	RACX	RXR-AXCAE
Duct Adapter Sideflow Square to Round Transition	RACA/X	AXMC-BA01
Supply & Return Diffusers	RACA/X	RXRN-BD15
Rectangular to Round Transition (Downflow)	RACA/X	RXMC-CA02 (16" [406 mm] Ducts)
		RXMC-CA03 (18" [457 mm] Ducts)
Economizers (Convertible)	RACA	AXRD-01RACAM3
	RACX	RXRE-11RXCAM3
Dual Enthalpy Kit	RACA	RXR-AXV04
	RACX	PD555460
Fresh Air Damper β	RACA	AXRF-FAA1 (Fixed-35%)
		AXRF-FAB1 (Motorized-35%)
	RACX	RXRF-FAA2 (Fixed-35%)
		RXRF-FAB2 (Motorized-35%)
Filter Kit	RACA	RXRY-B01
	RACX	RXRY-B02
Split Door Design Kit	RACX	RXR-SDX01
Low Ambient Control	RACA/X	RXPZ-G01
Low Pressure Control	RACA/X	RXAC-C01
Phase Monitor Kit	3ph-RACA/X	RXR-PM3A01

NOTE: High pressure switches are standard for RGEA/X Models.

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.

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

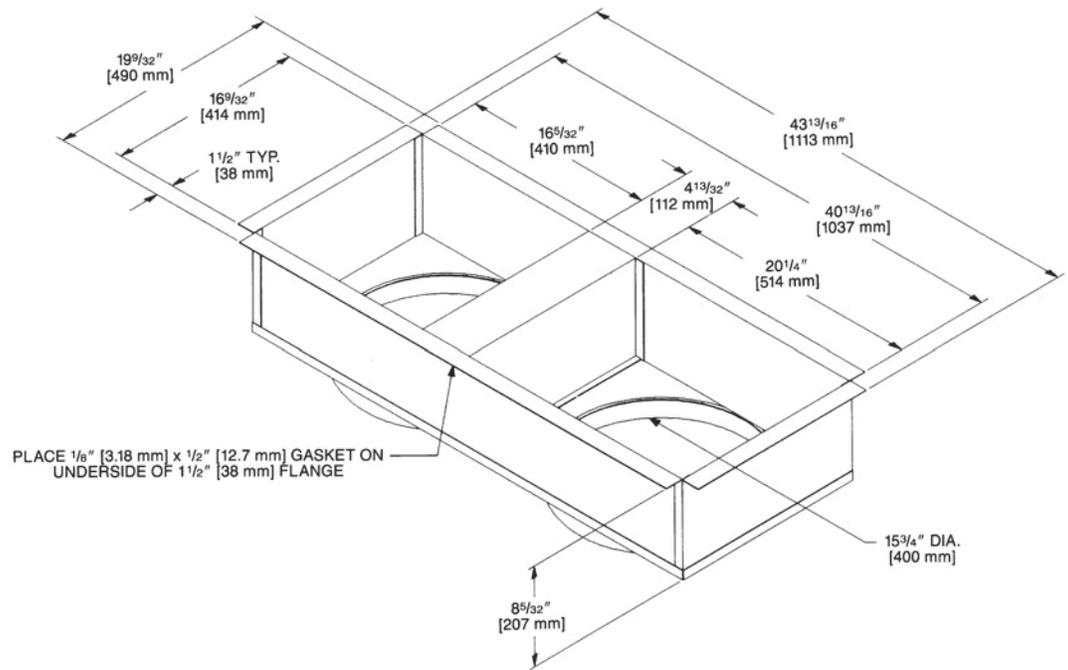
Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

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

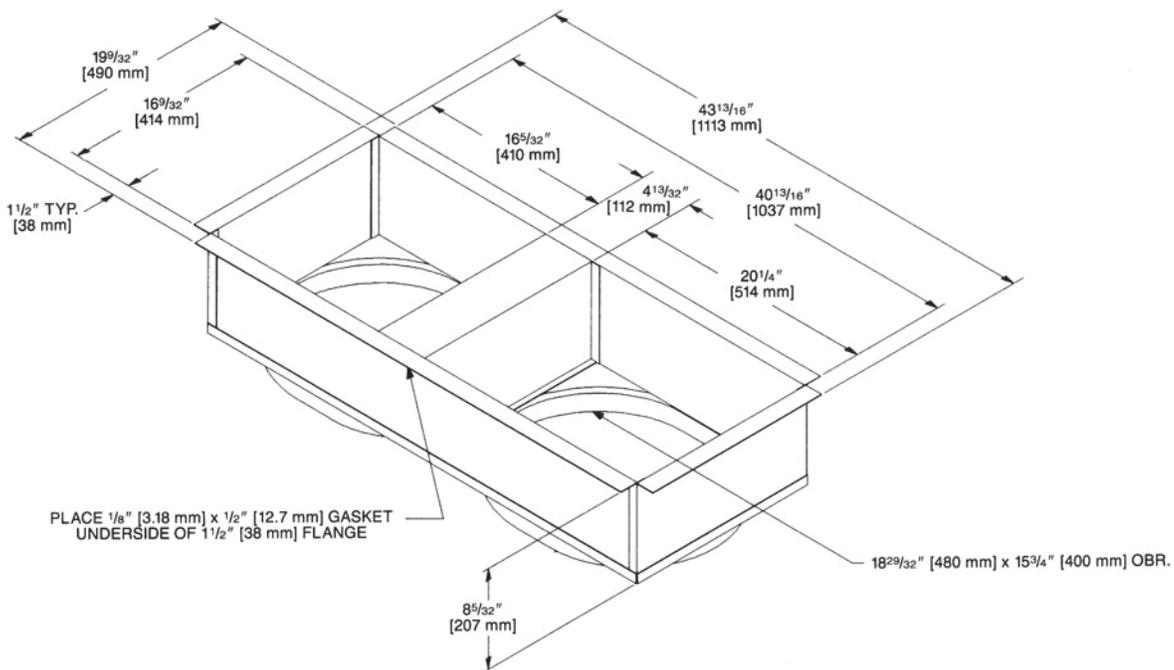
[] Designates Metric Conversions

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03

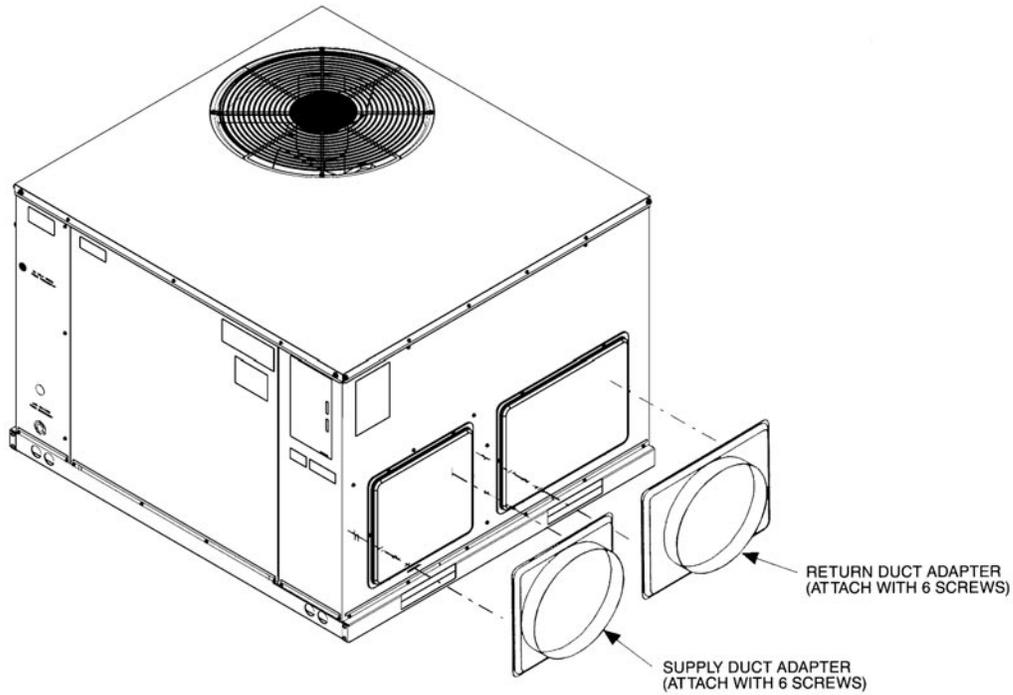


[] Designates Metric Conversions

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

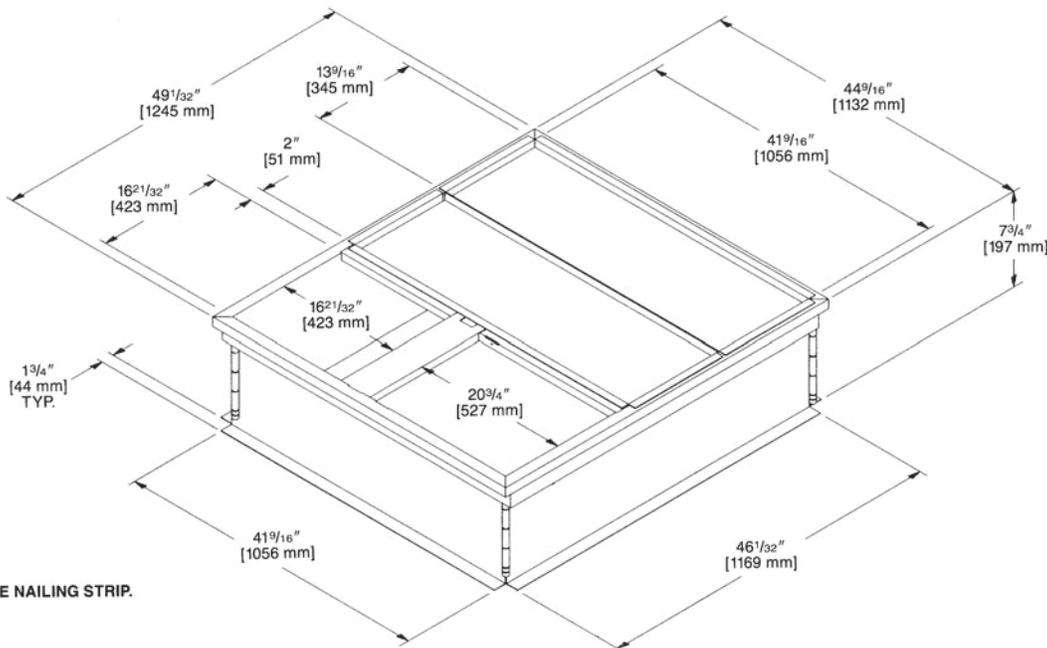


ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14—for the “A” cabinet

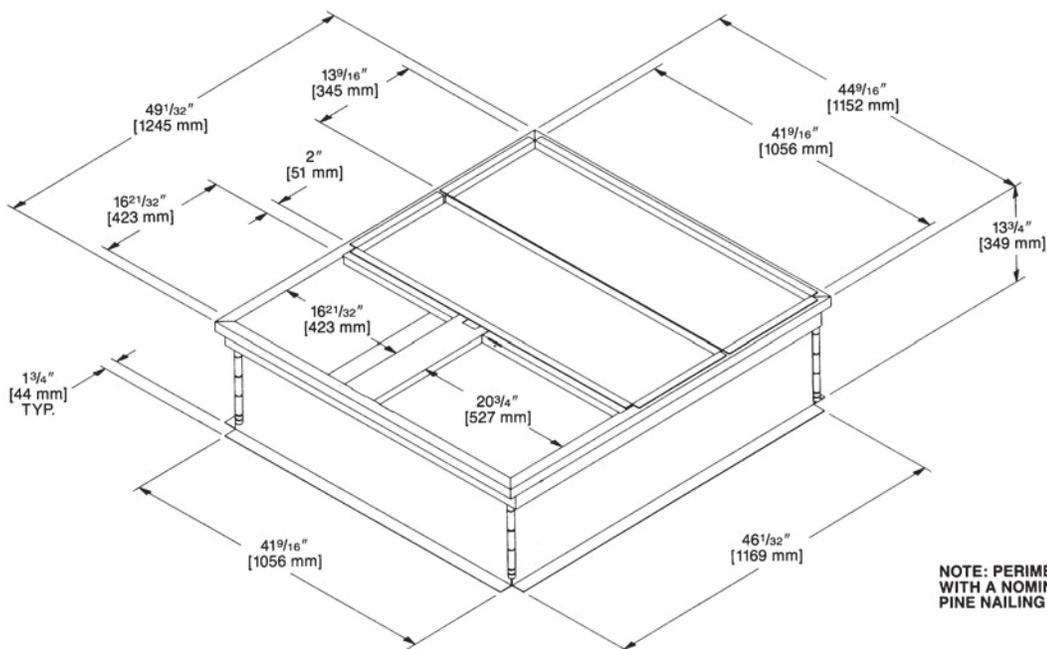
Hinged corners make for fast, easy set-up

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



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

ROOFCURB (Full Perimeter)

RXSG-AXA14, RXSG-AXA2—for the “X” cabinet

Hinged corners make for fast, easy set-up

RXSG-AXA14 (14" [356 mm] Height)

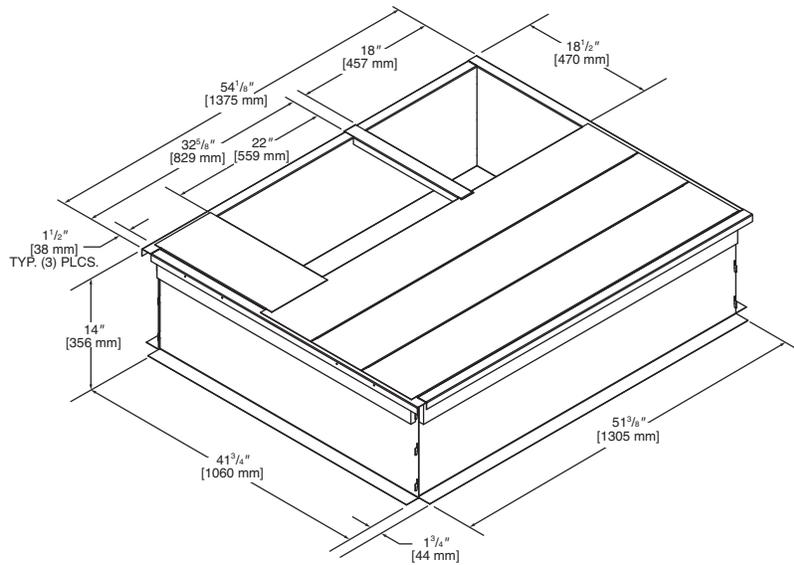


Illustration
ST-A1334-14-00

RXSG-AXA24 (24" [610 mm] Height)

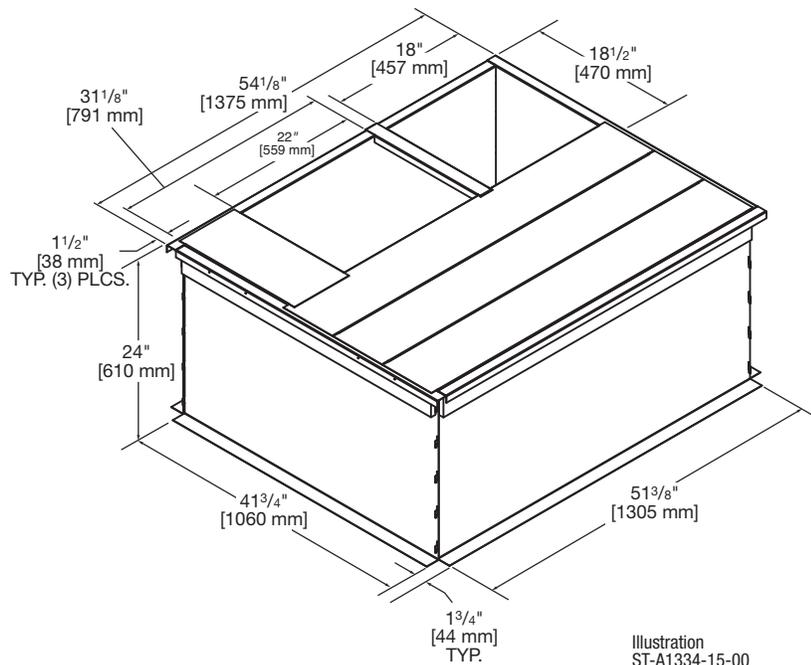
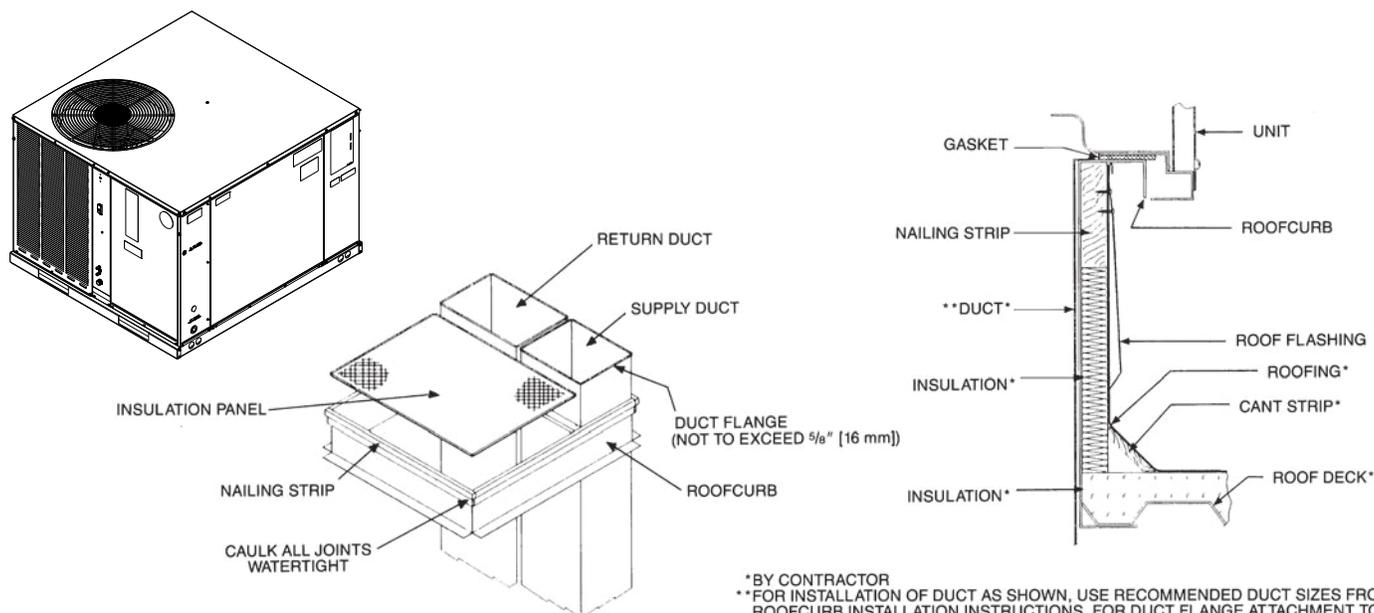


Illustration
ST-A1334-15-00

[] Designates Metric Conversions

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



[] Designates Metric Conversions

*BY CONTRACTOR
 **FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE AT ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

ROOFCURB ADAPTERS

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

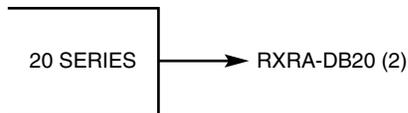
OLD MODEL

OLD CURB MODEL

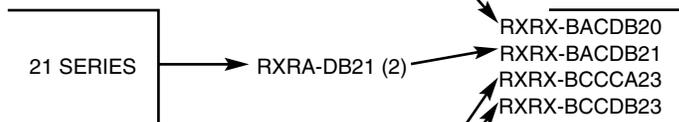
"A" CABINET TO OLD MODEL ROOF ADAPTER

"A" CABINET PACKAGE

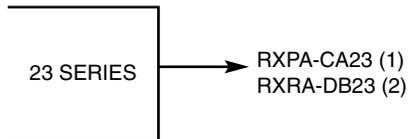
SMALL CABINET
 (1½-2 TON) [5.28-7.03 KW]
 RSNC-, RSND-, RSNE-
 RRGE-, RRGF-, RRG-



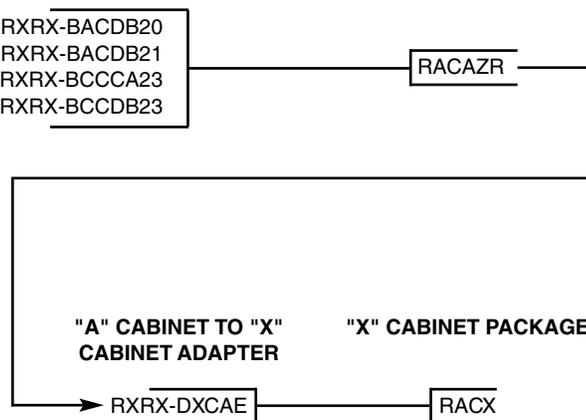
MEDIUM CABINET
 (2½-3 TON) [8.79-10.55 KW]
 RSNC-, RSND-, RSNE-
 RRGE-, RRGF-, RRG-, RSN-



EXTRA LARGE CABINET
 (3½-5 TON) [12.31-17.58 KW]
 RSNC-, RSND-, RSNE-
 RRGE-, RRGF-, RRG-, RSN-
 (4-5 TON) [14.07-17.58 kW]



(1) SLOPE TYPE
 (2) FULL PERIMETER TYPE



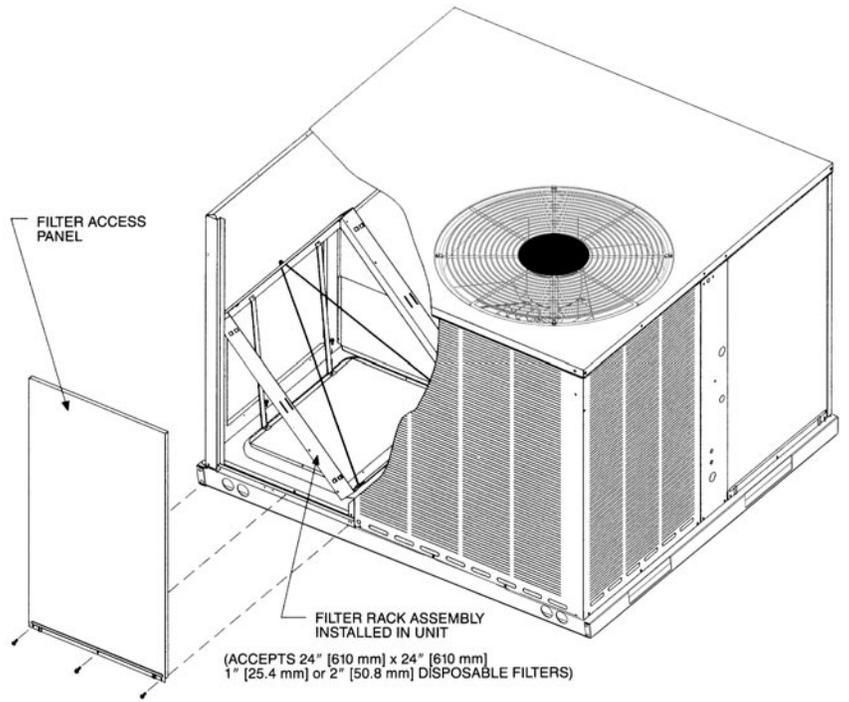
"A" CABINET TO "X" CABINET ADAPTER

"X" CABINET PACKAGE

FILTER KIT INSTALLATION

RXRY-B01

For use in either vertical or horizontal discharge with “A” cabinet



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 [.0101]
800 [378]	.04 [.0101]	.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

FILTER KIT INSTALLATION

RXRY-B02

For use in either vertical or horizontal discharge with the “A” cabinet

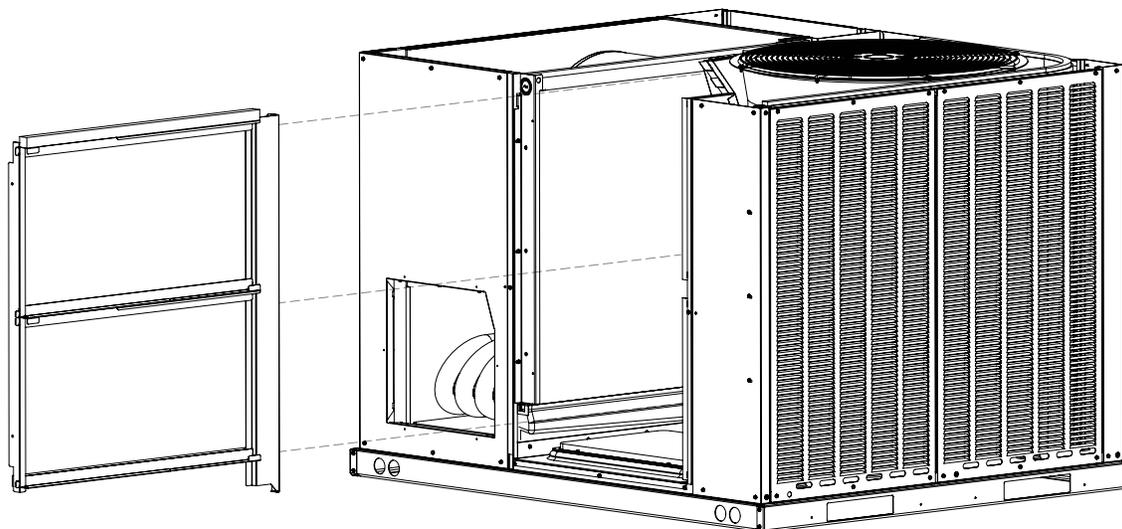


Illustration
 ST-A1352-01-00

Airflow Pressure Drop (1" filter)	
CFM [L/s]	Inches W.C. [kPa]
600 [283]	0.01 [0.002]
800 [378]	0.01 [0.002]
1000 [472]	0.02 [0.005]
1200 [566]	0.03 [0.008]
1400 [661]	0.05 [0.012]
1600 [755]	0.07 [0.017]
1800 [850]	0.08 [0.021]
2000 [944]	0.10 [0.026]

[] Designates Metric Conversions

FRESH AIR DAMPER FOR USE ON **RAC(A/X)ZS Series**

AXRF-FAA1 (Fixed - 0-35%) - RACA

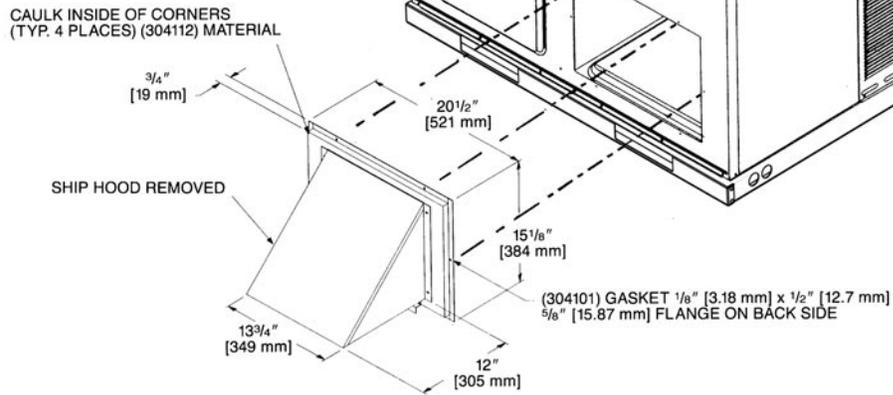
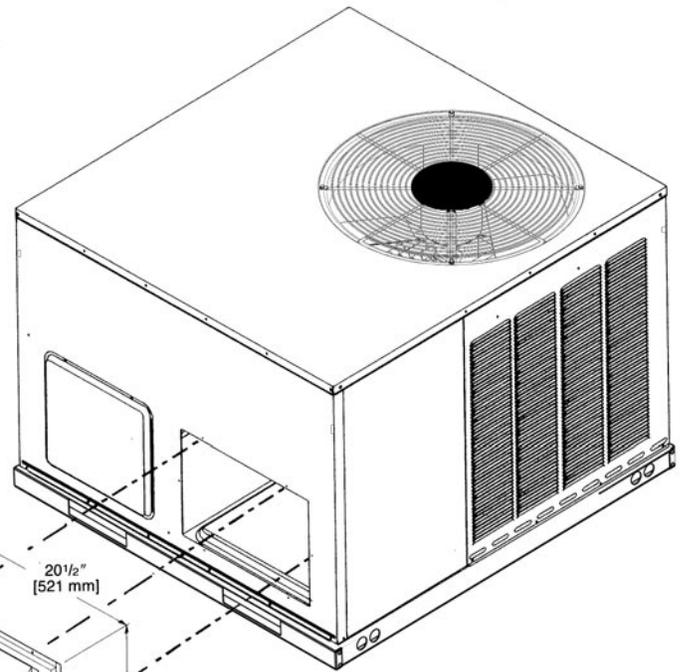
AXRF-FAA2 (Fixed - 0-35%) - RACX

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.

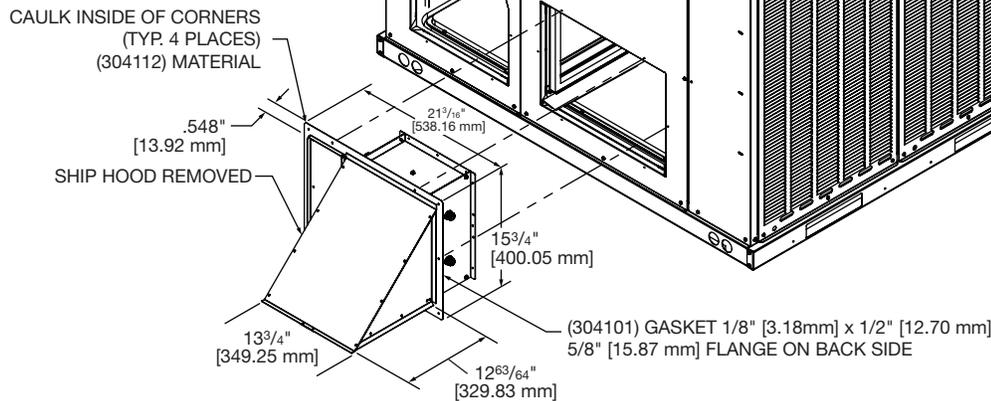
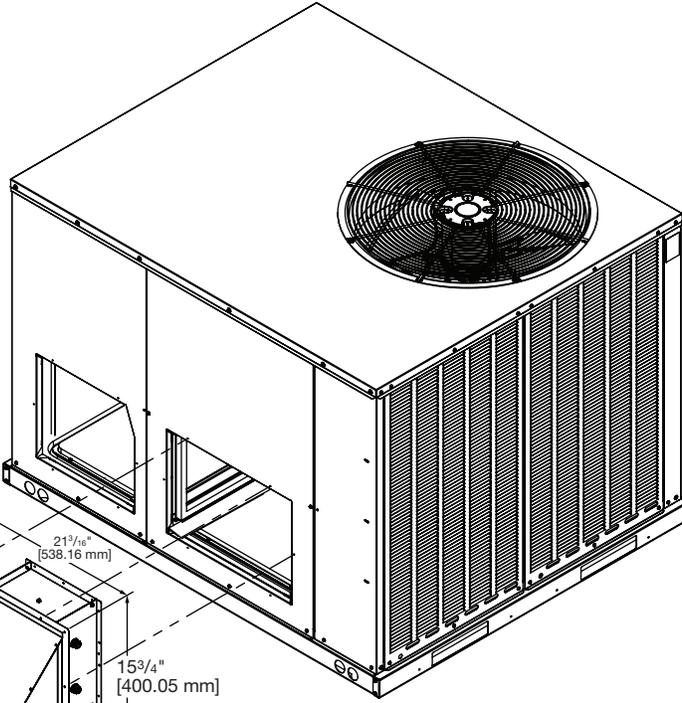
AXRF-FAB1 (Motorized - 0-35%) - RACA

AXRF-FAB2 (Motorized - 0-35%) - RACX

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.



AXRF-FAA1
AXRF-FAB1



AXRF-FAA2
AXRF-FAB2

Illustration
 ST-A1334-12-00

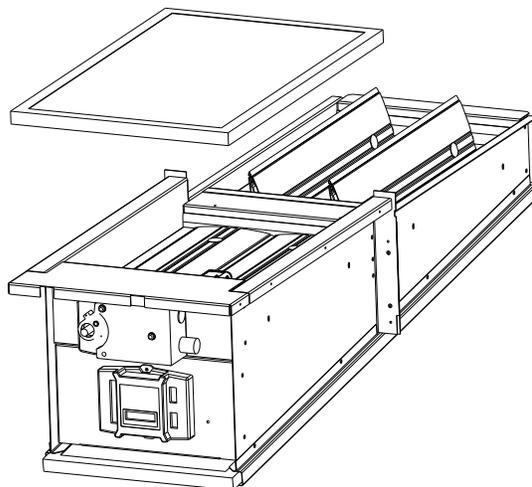
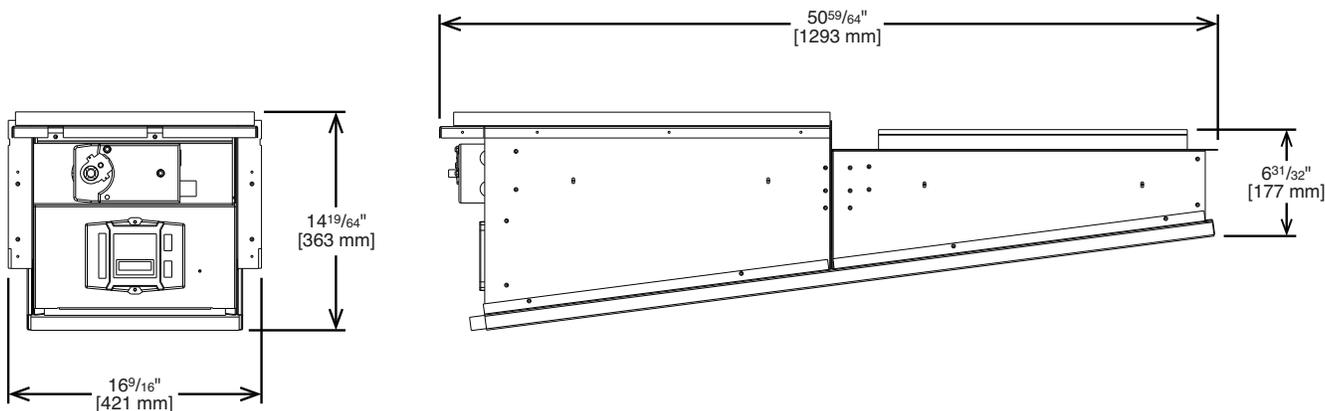
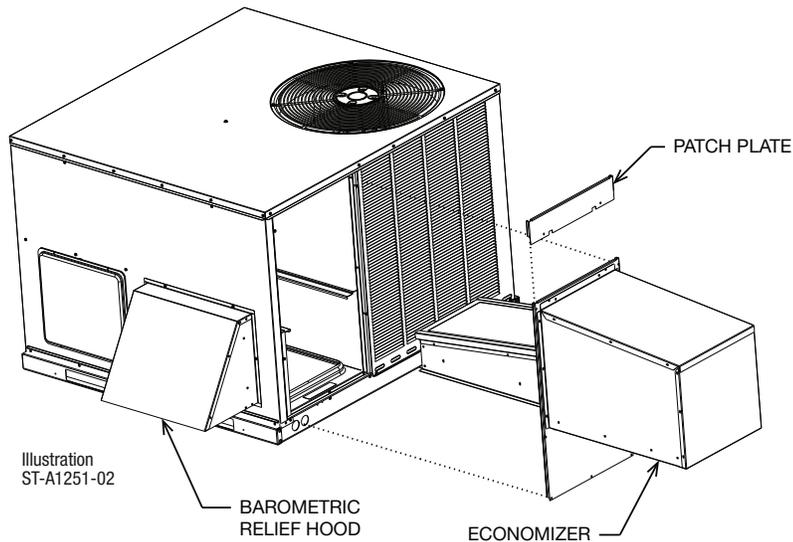
[] Designates Metric Conversions

ECONOMIZERS

AXRD-01RACAM3 (Fully Modulating)

Horizontally and vertically applicable for the "A" cabinet

- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate through a Sylk Bus Network with the Jade Controller reducing wiring errors while providing more information
- CO₂ sensor input for DCV (Demand Control Ventilation) applications
- RXXR-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers



[] Designates Metric Conversions

ECONOMIZERS

RXRE-11RXCAM3

Horizontally and vertically applicable for the "X" cabinet

- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate with Siemens controller reducing wiring errors while providing more information
- Setup and configure the economizer controller before putting it into usage by using the Climatix Mobile app or the inbuilt display
- CO₂ sensor input for demand control ventilation (DCV) applications
- RXRX-BV03 dual enthalpy kit available for field installation
- AMCA licensed class 1A low leak dampers

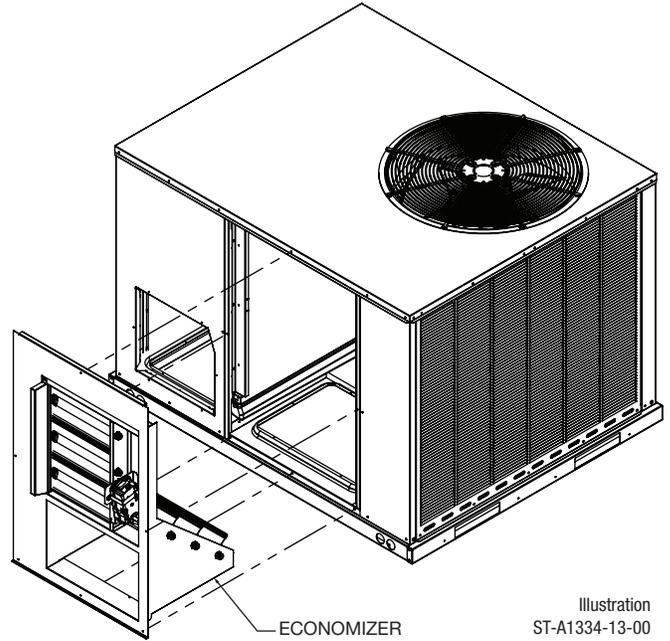


Illustration
 ST-A1334-13-00

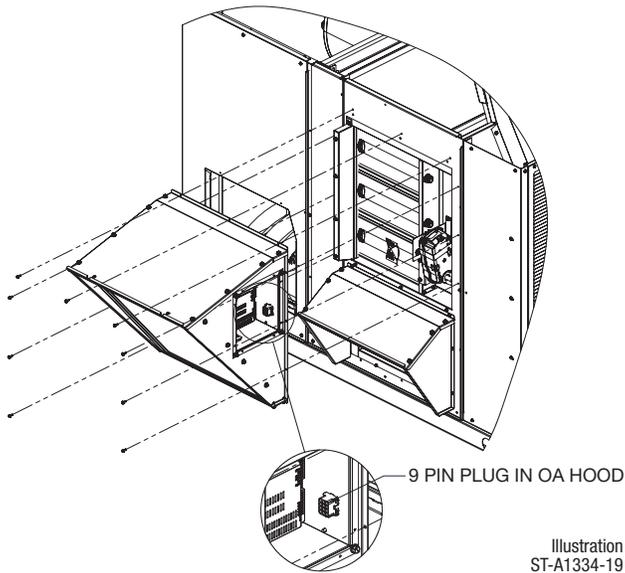
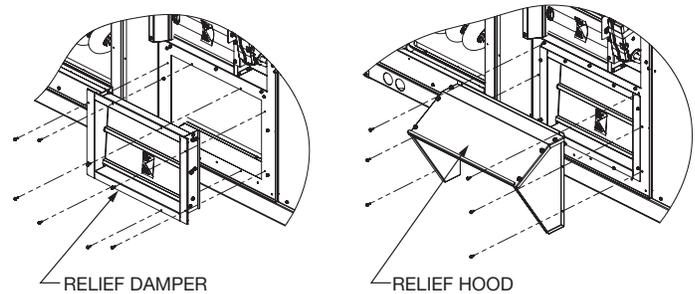


Illustration
 ST-A1334-19

VERTICAL APPLICATION



HORIZONTAL APPLICATION

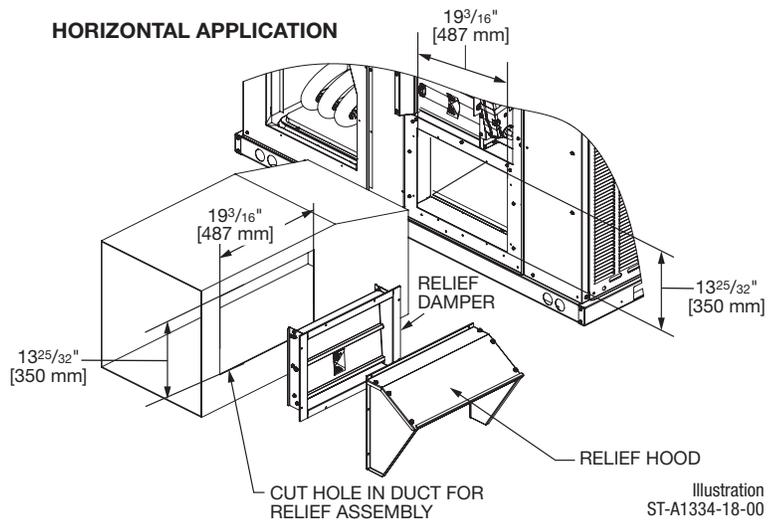


Illustration
 ST-A1334-18-00

ELECTRIC HEATER KITS—RAC(A/X)ZS

ELECTRIC HEATER KIT MODELS	UNIT MODEL APPLICATION (15.2 SEER2 RAC(A/X)ZS)
RXQJ-A05J (208-240 volt, 1-ph, 5kw)	024/036/048/060*J
RXQJ-A08J (208-240 volt, 1-ph, 8kw)	024/036/048/060*J
RXQJ-A10J (208-240 volt, 1-ph, 10kw)	024/036*J
RXQJ-A15J (208-240 volt, 1-ph, 15kw)	036*J
RXQJ-B10J (208-240 volt, 1-ph, 10kw)	048/060*J
RXQJ-B15J (208-240 volt, 1-ph, 15kw)	048/060*J
RXQJ-A05C (208-240 volt, 3-ph, 5kw)	036/048/060*C
RXQJ-A08C (208-240 volt, 3-ph, 8kw)	036/048/060*C
RXQJ-A10C (208-240 volt, 3-ph, 10kw)	036/048/060*C
RXQJ-A15C (208-240 volt, 3-ph, 15kw)	036/048/060*C
RXQJ-A05D (460 volt, 3-ph, 5kw)	036/048/060*D
RXQJ-A08D (460 volt, 3-ph, 8kw)	036/048/060*D
RXQJ-A10D (460 volt, 3-ph, 10kw)	036/048/060*D
RXQJ-A15D (460 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.



FRIEDRICH

1 8 8 3

GENERAL TERMS OF LIMITED WARRANTY*

Friedrich® 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 ApplicationsFive (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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