Russell By Rheem

Vantix® Line iR Residential Packaged Air Conditioners

RAC(A/X)YC Series

Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Cooling Efficiencies: 15.2 SEER2
Refrigerant Type: R-454B

ISO 9001:2015

c UL us LISTED

AHRI CERTIFIED www.ahridirectory.org
Unitary Large AC
AHRI Standard 340/360

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FEATURES AND BENEFITS

- **Two-Stage Scroll Compressors on all models**: 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
- **MicroChannel Evaporator and Condenser Coil:** Delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. 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
- **Thermal Expansion Valves:** Standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High and Low Pressure Control:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **Refrigerant Detection System[1]:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation—if excess refrigerant is detected
- **Rugged Base Rail:** For improved installation and handling
- **Easily Accessible Control Box, and Slide-Out Blower Section:** Allows for installability and serviceability
- **Side and Down Discharge Options Available:** All models are shipped ready for horizontal applications
- **Double Sloped Evaporator Coil Drain Pan:** Allows for complete water removal from the unit—contributing to improved indoor air quality
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes
- **Supply and Return Air Openings:** Feature a one-inch-tall flange to prevent water migration into the ductwork
- **Supplemental Electric Heating Option Available:** Field installed, electrical heat strips, up to 15 kW with simplified single-point wiring, are available for periods of extreme weather conditions

[1]*Factory-installed on 3.5, 4 and 5 ton models. For R-454B equipment with a refrigerant charge (mc) less than 3.9 lbs (≈1.8 kg or ≈62.6 oz), a refrigerant detection system is not required by the UL 60335-2-40 standard.*

Packaged Air Conditioner

R	AC	A	Y	C	036	A	J	T	000	N	A
Brand	**Product Category**	**Platform**	**Refrigerant**	**Tier**	**Capacity**	**Major Series**	**Voltage**	**Drive**	**Electric Heat Input**	**Control**	**Minor Series**
R - Russell® By Rheem	AC - Air Conditioner	A - Resipack Convertible X - Resipack Convertible	Y - R-454B	C - Mid Tier (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
RACAYC024AJT000NA
RACAYC024ACT000NA
RACAYC036AJT000NA
RACAYC036ACT000NA
RACAYC036ADT000NA
RACXYC048AJT000NA
RACXYC048ACT000NA
RACXYC048ADT000NA
RACXYC060AJT000NA
RACXYC060ACT000NA
RACXYC060ADT000NA

NOTE: Heater kits available to purchase for field installation.

UNIT DIMENSIONS

RACAYC

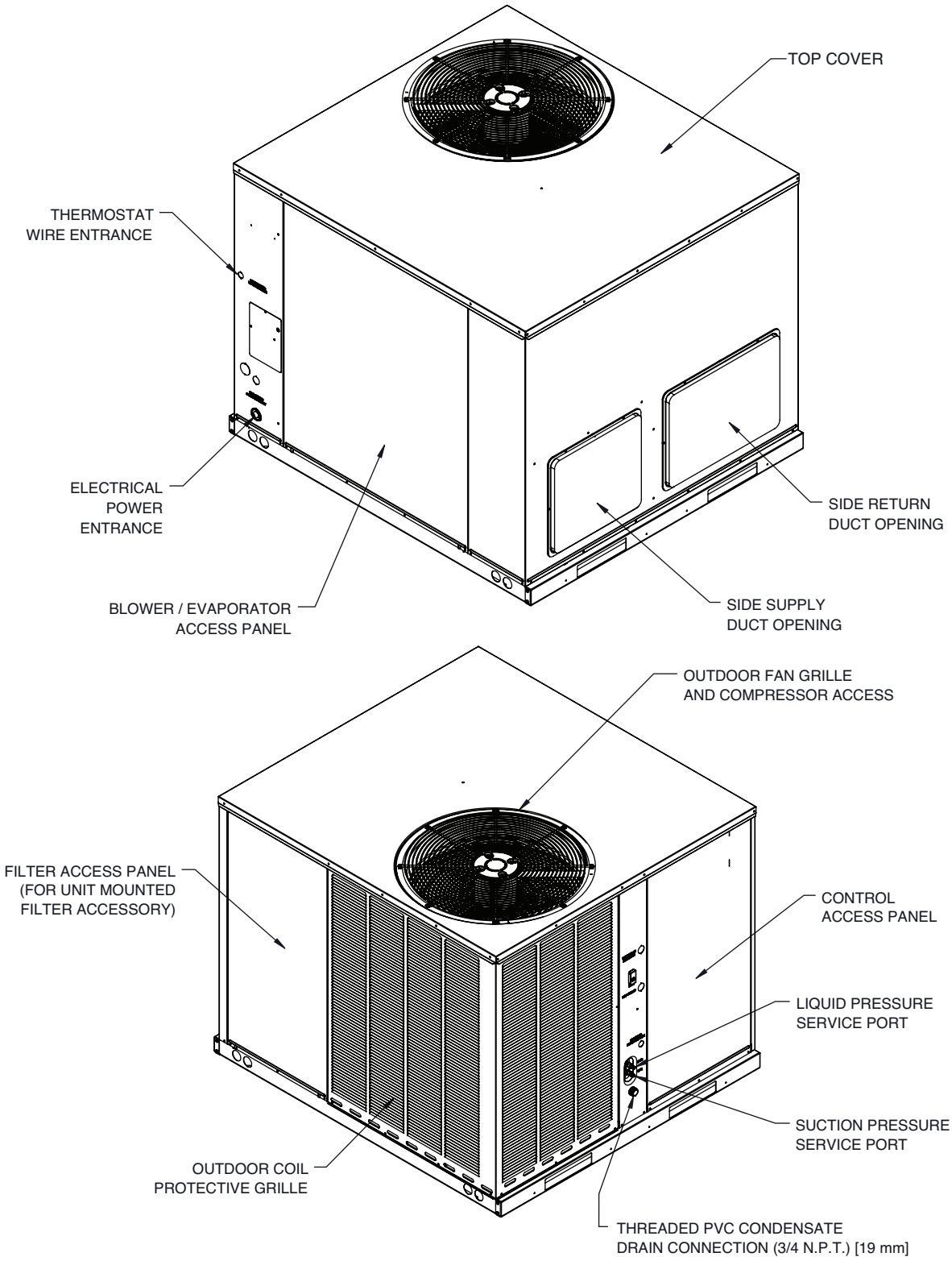


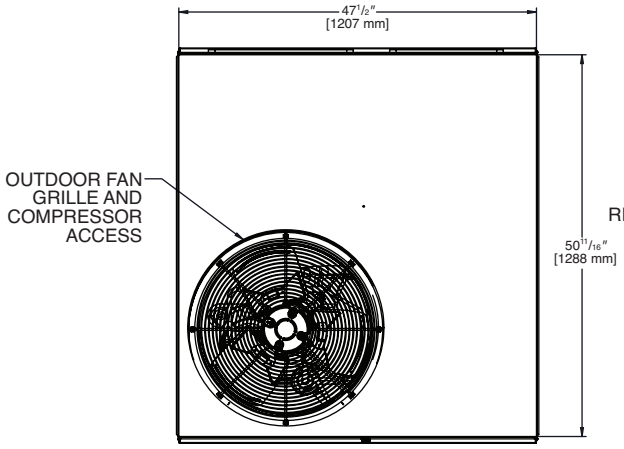
Illustration
ST-A1333-01

[ ] Designates Metric Conversions

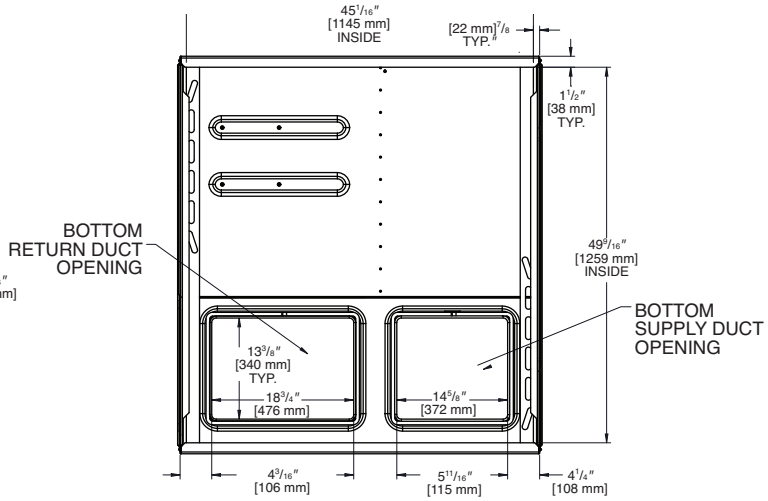
UNIT DIMENSIONS

RACAYC

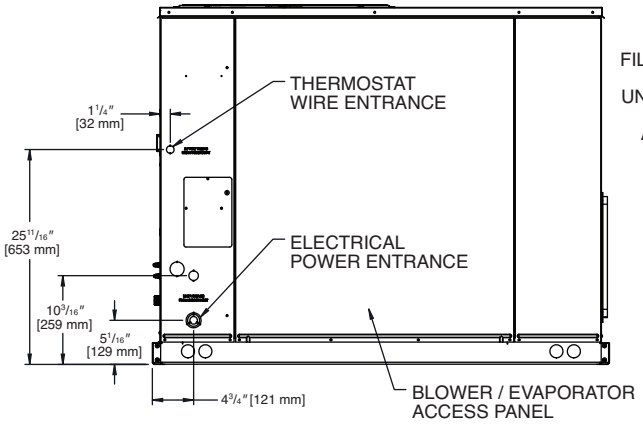
TOP VIEW



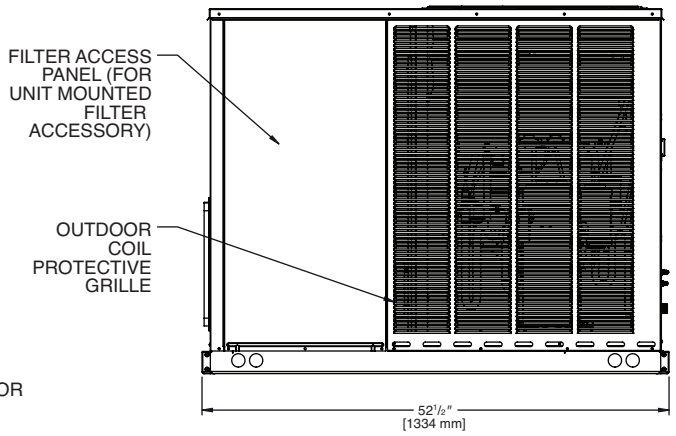
BOTTOM VIEW



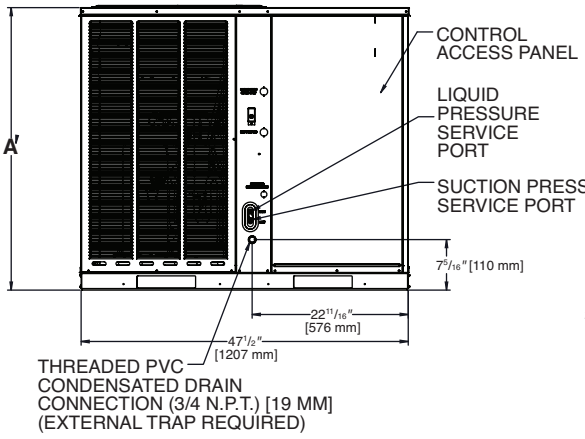
SIDE VIEW



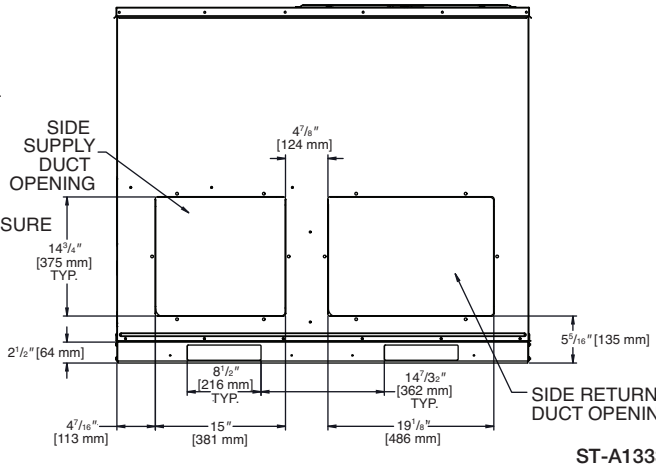
SIDE VIEW



FRONT VIEW



REAR VIEW



ST-A1333-02

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

[ ] Designates Metric Conversions

UNIT DIMENSIONS

RACXYC

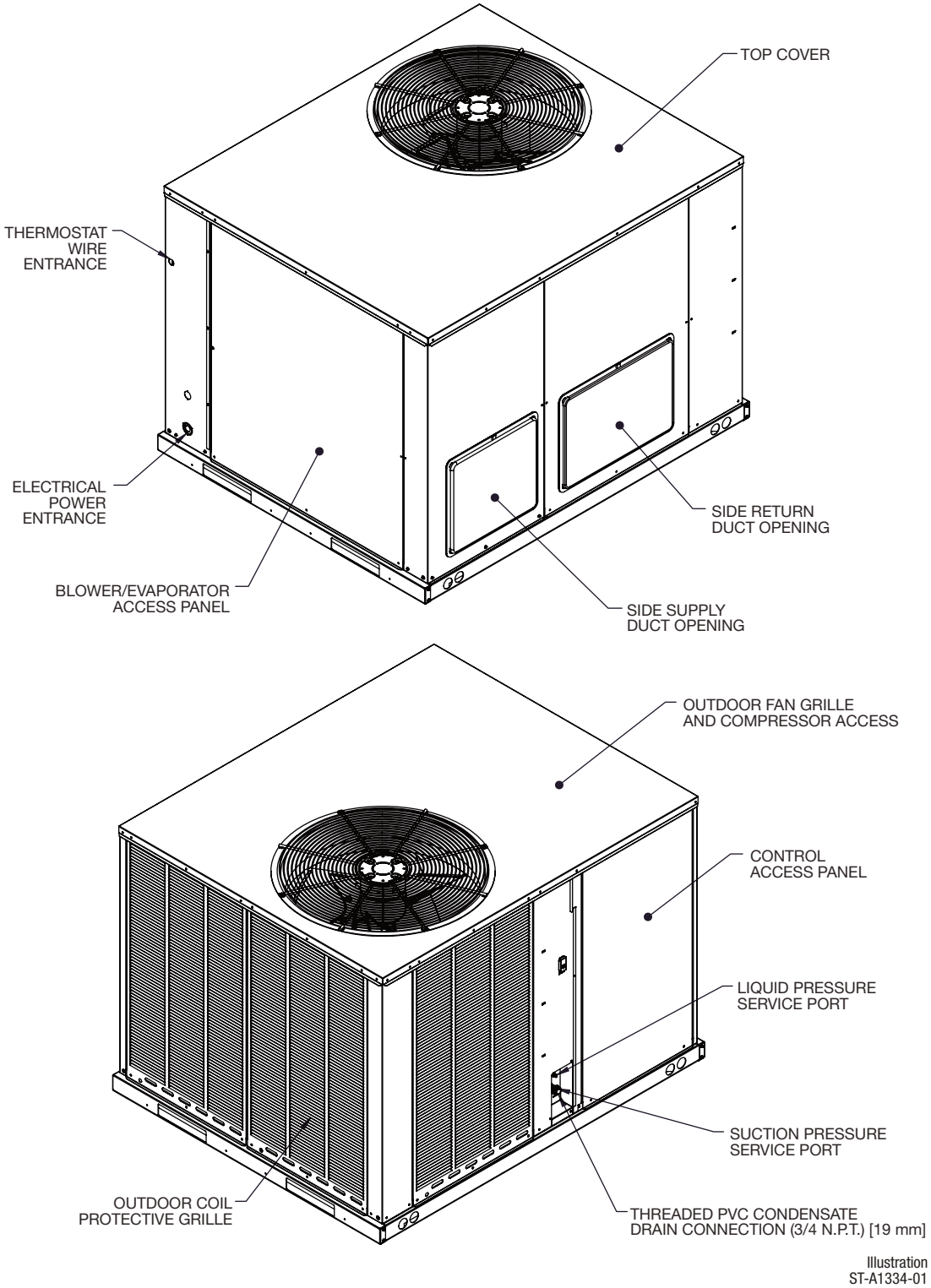


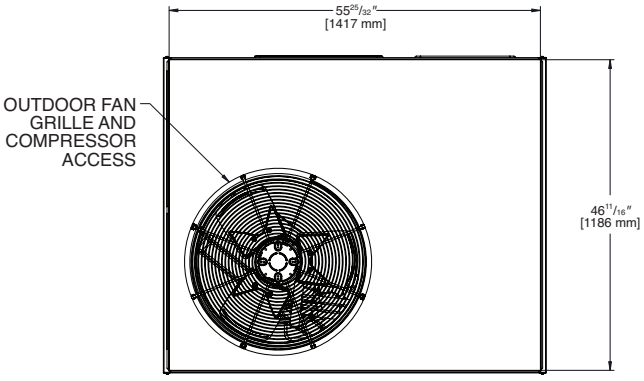
Illustration
ST-A1334-01

[ ] Designates Metric Conversions

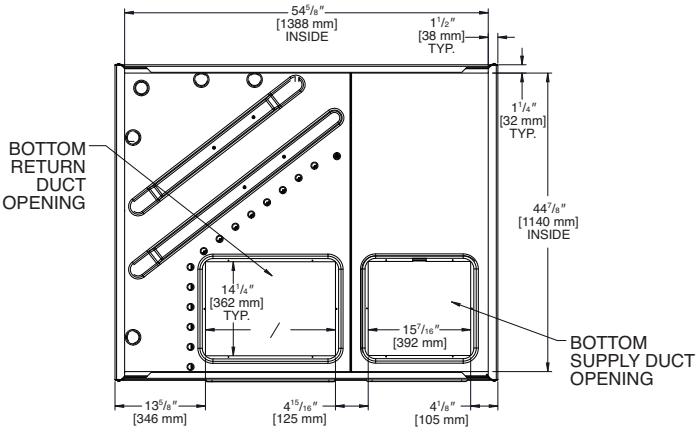
UNIT DIMENSIONS

RACXYC

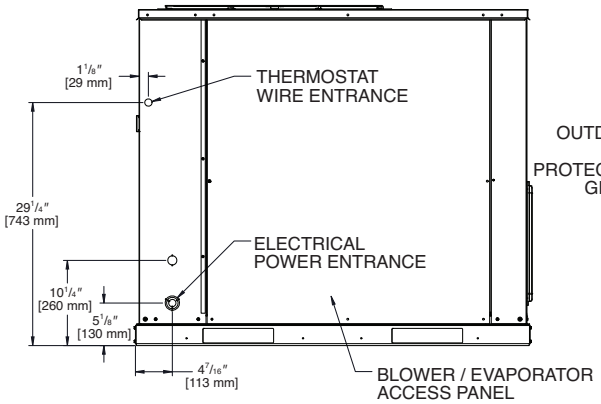
TOP VIEW



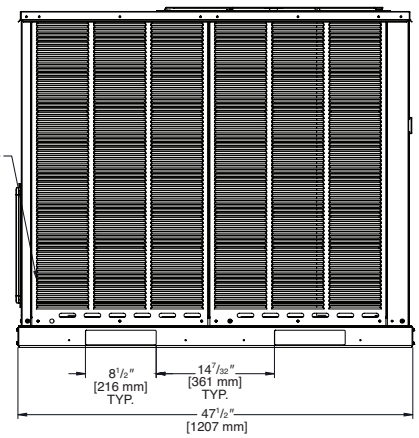
BOTTOM VIEW



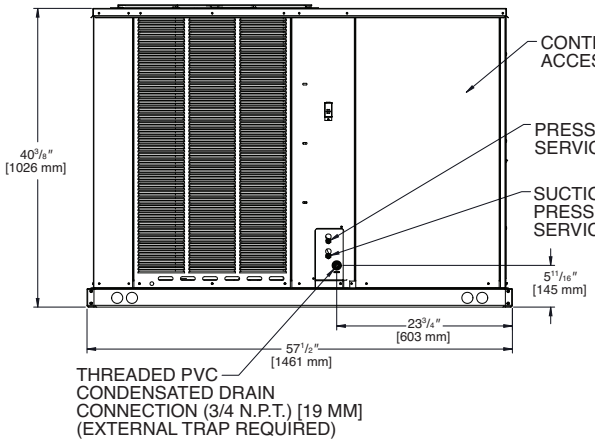
SIDE VIEW



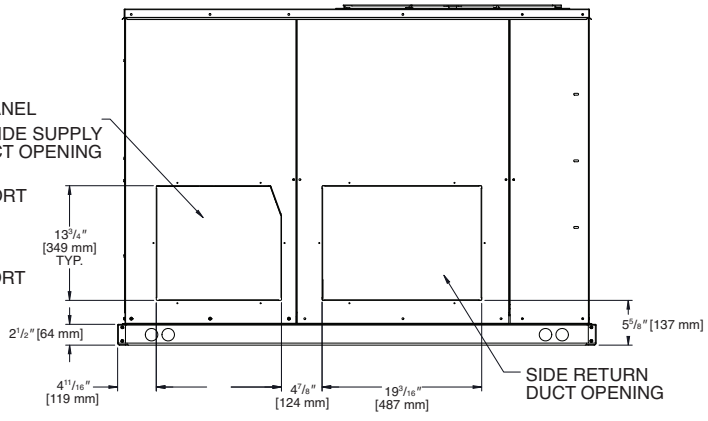
SIDE VIEW



FRONT VIEW



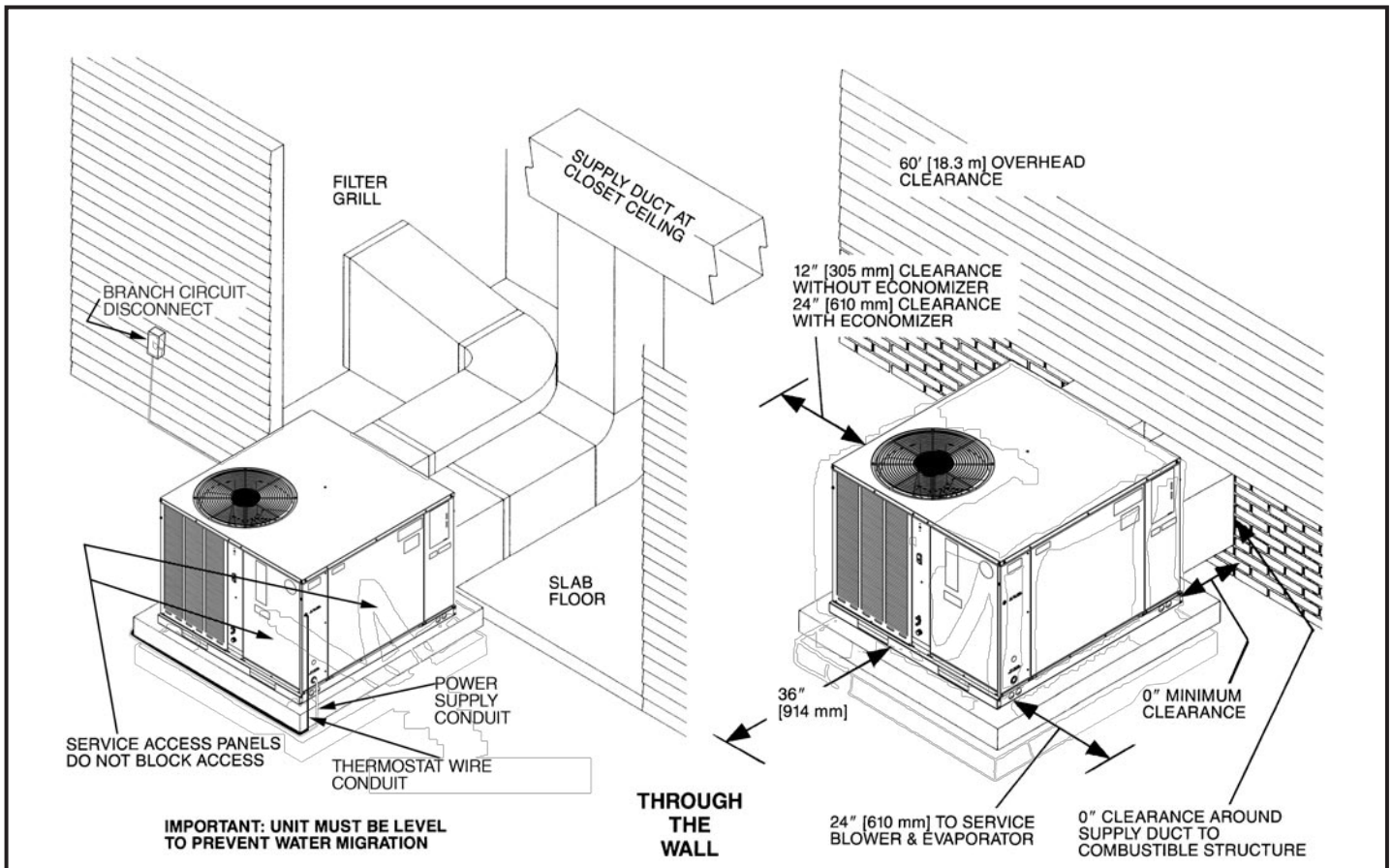
REAR VIEW

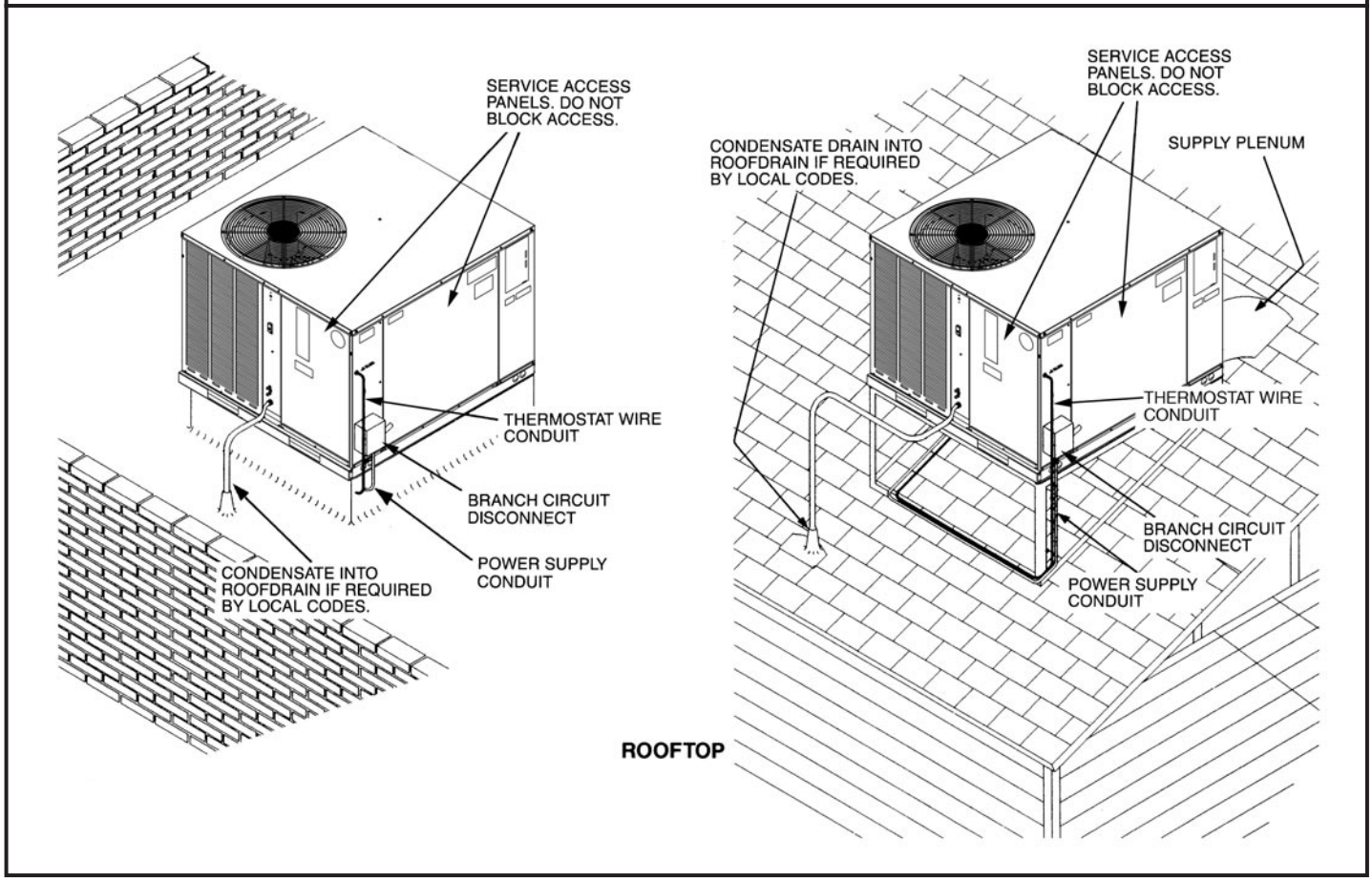


ST-A1334-02

MODEL RGEXYC	HEIGHT "A"
048, 060	41"

[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

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

Model RAC(A/X)YC Series	024ACT	024AJT	036ACT	036ADT
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu/h [kW]	24,200 [7.09]	24,200 [7.09]	35,800 [10.49]	35,800 [10.49]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	12/16	12/16
Nominal CFM/AHRI Rated CFM [L/s]	800/815 [378/385]	800/815 [378/385]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu/h [kW]	22,800 [6.68]	22,800 [6.68]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity Btu/h [kW]	16,600 [4.86]	16,600 [4.86]	25,800 [7.56]	25,800 [7.56]
Net Latent Capacity Btu/h [kW]	6,800 [1.99]	6,800 [1.99]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	1.92	1.98	2.86	2.86
Compressor				
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[3]	74	74	71	71
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.709 [18]	0.709 [18]	0.472 [12]	0.472 [12]
Face Area sq. ft. [sq. m]	9.77 [0.91]	9.77 [0.91]	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]	3.54 [0.33]	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]	2500 [1180]	3250 [1534]	3250 [1534]
No. Motors/HP	1 at 1/6 HP	1 at 1/6 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	1/3	1	1
Motor RPM	1050	1050	1050	1300
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]	47 [1332]	47 [1332]	53 [1503]	53 [1503]
Weights				
Net Weight lbs. [kg]	359 [163]	359 [163]	428 [194]	428 [194]
Ship Weight lbs. [kg]	367 [166]	367 [166]	436 [198]	436 [198]

See Page 13 for Notes.

[ ] Designates Metric Conversions

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

Model RAC(A/X)YC Series	036AJT	048ACT	048ADT	048AJT
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu/h [kW]	35,800 [10.49]	48,500 [14.21]	48,500 [14.21]	48,500 [14.21]
EER2/SEER2[2]	11.5/15.2	12/16	12/16	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1600/1525 [755/720]	1600/1525 [755/720]	1600/1525 [755/720]
AHRI Net Cooling Capacity Btu/h [kW]	34,200 [10.02]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]
Net Sensible Capacity Btu/h [kW]	25,800 [7.56]	33,300 [9.76]	33,300 [9.76]	33,300 [9.76]
Net Latent Capacity Btu/h [kW]	9,200 [2.7]	14,200 [4.16]	14,200 [4.16]	14,200 [4.16]
Net System Power kW	2.94	3.84	3.84	3.94
Compressor				
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[3]	71	81	81	81
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.472 [12]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	16.26 [1.51]	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 [25.4]
Face Area sq. ft. [sq. m]	4 [0.37]	7.07 [0.66]	7.07 [0.66]	7.07 [0.66]
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]	1/24 [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]	3250 [1534]	4300 [2029]	4300 [2029]	4300 [2029]
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	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]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	53 [1503]	81 [2296]	81 [2296]	81 [2296]
Weights				
Net Weight lbs. [kg]	428 [194]	455 [206]	455 [206]	455 [206]
Ship Weight lbs. [kg]	436 [198]	465 [211]	465 [211]	465 [211]

See Page 13 for Notes.

[ ] Designates Metric Conversions

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

Model RAC(A/X)ZS Series	060ACT	060ADT	060AJT
Cooling Performance[1]			
Gross Cooling Capacity Btu/h [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
EER2/SEER2[2]	11.5/15.2	11.5/15.2	11.5/15.2
Nominal CFM/AHRI Rated CFM [L/s]	2000/1800 [944/849]	2000/1800 [944/849]	2000/1800 [944/849]
AHRI Net Cooling Capacity Btu/h [kW]	57,000 [16.7]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu/h [kW]	39,000 [11.43]	39,000 [11.43]	39,000 [11.43]
Net Latent Capacity Btu/h [kW]	18,000 [5.27]	18,000 [5.27]	18,000 [5.27]
Net System Power kW	4.82	4.82	5
Compressor			
No./Type	1/2/Scroll	1/2/Scroll	1/2/Scroll
Outdoor Sound Rating (dB)[3]	83	83	83
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	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]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	6.96 [0.65]	6.96 [0.65]	6.96 [0.65]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	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]
Outdoor Fan—Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM [L/s]	4300 [2029]	4300 [2029]	4300 [2029]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1050	1050	1050
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple
No. Motors	1	1	1
Motor HP	1	1	1
Motor RPM	1050	1050	1050
Motor Frame Size	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]	(2)1x16x30 [25x406x762]
Refrigerant Charge Oz. [g]	89 [2523]	89 [2523]	89 [2523]
Weights			
Net Weight lbs. [kg]	460 [209]	460 [209]	460 [209]
Ship Weight lbs. [kg]	470 [213]	470 [213]	470 [213]

See Page 13 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 ±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—RACAYC024

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]			950 [448]	825 [389]	725 [342]	950 [448]	825 [389]	725 [342]	950 [448]	825 [389]	725 [342]
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	31.4 [9.2]	30.6 [9.0]	29.9 [8.8]	29.2 [8.6]	28.4 [8.3]	27.8 [8.1]	27.2 [8.0]	26.4 [7.7]	25.9 [7.6]
		Sens kBtu/h [kW]	18.0 [5.3]	16.8 [4.9]	15.9 [4.7]	21.1 [6.2]	19.7 [5.8]	18.6 [5.5]	24.0 [7.0]	22.5 [6.6]	21.2 [6.2]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	80 [26.7]	Total kBtu/h [kW]	30.6 [9.0]	29.8 [8.7]	29.2 [8.6]	28.4 [8.3]	27.7 [8.1]	27.0 [7.9]	26.4 [7.7]	25.7 [7.5]	25.1 [7.4]
		Sens kBtu/h [kW]	17.5 [5.1]	16.3 [4.8]	15.4 [4.5]	20.6 [6.0]	19.2 [5.6]	18.1 [5.3]	23.5 [6.9]	21.9 [6.4]	20.7 [6.1]
		Power	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.6
	85 [29.4]	Total kBtu/h [kW]	29.8 [8.7]	29.0 [8.5]	28.4 [8.3]	27.6 [8.1]	26.9 [7.9]	26.3 [7.7]	25.6 [7.5]	24.9 [7.3]	24.3 [7.1]
		Sens kBtu/h [kW]	17.0 [5.0]	15.8 [4.6]	14.9 [4.4]	20.0 [5.9]	18.7 [5.5]	17.7 [5.2]	23.0 [6.7]	21.5 [6.3]	20.3 [5.9]
		Power	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.7
	90 [32.2]	Total kBtu/h [kW]	29.0 [8.5]	28.2 [8.3]	27.6 [8.1]	26.8 [7.9]	26.1 [7.6]	25.5 [7.5]	24.8 [7.3]	24.1 [7.1]	23.6 [6.9]
		Sens kBtu/h [kW]	16.5 [4.8]	15.4 [4.5]	14.5 [4.2]	19.6 [5.7]	18.3 [5.4]	17.2 [5.0]	22.5 [6.6]	21.0 [6.2]	19.8 [5.8]
		Power	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.8
	95 [35]	Total kBtu/h [kW]	28.2 [8.3]	27.4 [8.0]	26.8 [7.9]	26.0 [7.6]	25.3 [7.4]	24.7 [7.2]	23.9 [7.0]	23.3 [6.8]	22.8 [6.7]
		Sens kBtu/h [kW]	16.0 [4.7]	15.0 [4.4]	14.1 [4.1]	19.1 [5.6]	17.8 [5.2]	16.8 [4.9]	22.0 [6.4]	20.6 [6.0]	19.4 [5.7]
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	1.9	1.9
	100 [37.8]	Total kBtu/h [kW]	27.3 [8.0]	26.6 [7.8]	26.0 [7.6]	25.1 [7.4]	24.4 [7.2]	23.9 [7.0]	23.1 [6.8]	22.4 [6.6]	22.0 [6.4]
		Sens kBtu/h [kW]	15.6 [4.6]	14.5 [4.2]	13.7 [4.0]	18.7 [5.5]	17.4 [5.1]	16.4 [4.8]	21.6 [6.3]	20.2 [5.9]	19.0 [5.6]
		Power	2.1	2.1	2.0	2.1	2.1	2.0	2.1	2.0	2.0
	105 [40.6]	Total kBtu/h [kW]	26.4 [7.7]	25.7 [7.5]	25.2 [7.4]	24.2 [7.1]	23.6 [6.9]	23.1 [6.8]	22.2 [6.5]	21.6 [6.3]	21.1 [6.2]
		Sens kBtu/h [kW]	15.2 [4.5]	14.2 [4.2]	13.4 [3.9]	18.3 [5.4]	17.1 [5.0]	16.1 [4.7]	21.2 [6.2]	19.8 [5.8]	18.7 [5.5]
		Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1
	110 [43.3]	Total kBtu/h [kW]	25.6 [7.5]	24.9 [7.3]	24.3 [7.1]	23.3 [6.8]	22.7 [6.7]	22.2 [6.5]	21.3 [6.2]	20.7 [6.1]	20.3 [5.9]
		Sens kBtu/h [kW]	14.8 [4.3]	13.8 [4.0]	13.0 [3.8]	17.9 [5.2]	16.7 [4.9]	15.8 [4.6]	20.8 [6.1]	19.4 [5.7]	18.3 [5.4]
		Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.2
	115 [46.1]	Total kBtu/h [kW]	24.7 [7.2]	24.0 [7.0]	23.5 [6.9]	22.4 [6.6]	21.8 [6.4]	21.4 [6.3]	20.4 [6.0]	19.9 [5.8]	19.4 [5.7]
		Sens kBtu/h [kW]	14.4 [4.2]	13.5 [4.0]	12.7 [3.7]	17.5 [5.1]	16.4 [4.8]	15.4 [4.5]	20.4 [6.0]	19.1 [5.6]	18.0 [5.3]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.3	2.3
	120 [48.9]	Total kBtu/h [kW]	23.7 [6.9]	23.1 [6.8]	22.6 [6.6]	21.5 [6.3]	20.9 [6.1]	20.5 [6.0]	19.5 [5.7]	19.0 [5.6]	18.5 [5.4]
		Sens kBtu/h [kW]	14.1 [4.1]	13.2 [3.9]	12.4 [3.6]	17.2 [5.0]	16.1 [4.7]	15.2 [4.5]	19.5 [5.7]	18.8 [5.5]	17.8 [5.2]
		Power	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.4
	125 [51.7]	Total kBtu/h [kW]	22.8 [6.7]	22.2 [6.5]	21.7 [6.4]	20.6 [6.0]	20.0 [5.9]	19.6 [5.7]	18.6 [5.5]	18.1 [5.3]	17.7 [5.2]
		Sens kBtu/h [kW]	13.8 [4.0]	12.9 [3.8]	12.2 [3.6]	16.9 [5.0]	15.8 [4.6]	14.9 [4.4]	18.6 [5.5]	18.1 [5.3]	17.5 [5.1]
		Power	2.6	2.6	2.5	2.6	2.5	2.5	2.5	2.5	2.5

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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—RACAYC036

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]			1375 [649]	1200 [566]	1075 [507]	1375 [649]	1200 [566]	1075 [507]	1375 [649]	1200 [566]	1075 [507]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	45.6 [13.4]	44.5 [13.0]	43.6 [12.8]	42.6 [12.5]	41.5 [12.2]	40.7 [11.9]	40.1 [11.8]	39.1 [11.5]	38.3 [11.2]	
		Sens kBtu/h [kW]	26.1 [7.6]	24.4 [7.2]	23.2 [6.8]	30.9 [9.1]	28.9 [8.5]	27.5 [8.1]	36.3 [10.6]	34.0 [10.0]	32.3 [9.5]	
		Power	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.4	
	80 [26.7]	Total kBtu/h [kW]	44.5 [13.0]	43.4 [12.7]	42.6 [12.5]	41.5 [12.2]	40.4 [11.8]	39.6 [11.6]	39.0 [11.4]	38.0 [11.1]	37.3 [10.9]	
		Sens kBtu/h [kW]	25.6 [7.5]	23.9 [7.0]	22.8 [6.7]	30.4 [8.9]	28.5 [8.4]	27.1 [7.9]	35.8 [10.5]	33.5 [9.8]	31.9 [9.3]	
		Power	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	
	85 [29.4]	Total kBtu/h [kW]	43.4 [12.7]	42.3 [12.4]	41.5 [12.2]	40.3 [11.8]	39.3 [11.5]	38.5 [11.3]	37.8 [11.1]	36.9 [10.8]	36.2 [10.6]	
		Sens kBtu/h [kW]	25.0 [7.3]	23.4 [6.9]	22.3 [6.5]	29.8 [8.7]	27.9 [8.2]	26.6 [7.8]	35.2 [10.3]	33.0 [9.7]	31.4 [9.2]	
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.6	
	90 [32.2]	Total kBtu/h [kW]	42.2 [12.4]	41.1 [12.0]	40.3 [11.8]	39.1 [11.5]	38.1 [11.2]	37.4 [11.0]	36.7 [10.8]	35.7 [10.5]	35.0 [10.3]	
		Sens kBtu/h [kW]	24.4 [7.2]	22.9 [6.7]	21.8 [6.4]	29.2 [8.6]	27.4 [8.0]	26.0 [7.6]	34.6 [10.1]	32.4 [9.5]	30.9 [9.1]	
		Power	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	
	95 [35]	Total kBtu/h [kW]	41.0 [12.0]	39.9 [11.7]	39.1 [11.5]	37.9 [11.1]	36.9 [10.8]	36.2 [10.6]	35.4 [10.4]	34.5 [10.1]	33.9 [9.9]	
		Sens kBtu/h [kW]	23.8 [7.0]	22.3 [6.5]	21.2 [6.2]	28.6 [8.4]	26.8 [7.9]	25.5 [7.5]	34.0 [10.0]	31.8 [9.3]	30.3 [8.9]	
		Power	3.1	3.0	3.0	3.1	3.0	3.0	3.0	2.9	2.9	
	100 [37.8]	Total kBtu/h [kW]	39.7 [11.6]	38.7 [11.3]	37.9 [11.1]	36.6 [10.7]	35.7 [10.5]	35.0 [10.3]	34.2 [10.0]	33.3 [9.8]	32.6 [9.6]	
		Sens kBtu/h [kW]	23.1 [6.8]	21.6 [6.3]	20.6 [6.0]	27.9 [8.2]	26.1 [7.6]	24.9 [7.3]	33.3 [9.8]	31.2 [9.1]	29.7 [8.7]	
		Power	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	
	105 [40.6]	Total kBtu/h [kW]	38.4 [11.3]	37.4 [11.0]	36.7 [10.8]	35.3 [10.3]	34.4 [10.1]	33.8 [9.9]	32.9 [9.6]	32.0 [9.4]	31.4 [9.2]	
		Sens kBtu/h [kW]	22.4 [6.6]	20.9 [6.1]	19.9 [5.8]	27.2 [8.0]	25.5 [7.5]	24.2 [7.1]	32.6 [9.6]	30.5 [8.9]	29.0 [8.5]	
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	
	110 [43.3]	Total kBtu/h [kW]	37.0 [10.8]	36.1 [10.6]	35.4 [10.4]	34.0 [10.0]	33.1 [9.7]	32.5 [9.5]	31.5 [9.2]	30.7 [9.0]	30.1 [8.8]	
		Sens kBtu/h [kW]	21.6 [6.3]	20.2 [5.9]	19.3 [5.7]	26.4 [7.7]	24.7 [7.2]	23.5 [6.9]	31.5 [9.2]	29.8 [8.7]	28.4 [8.3]	
		Power	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.4	3.3	
	115 [46.1]	Total kBtu/h [kW]	35.7 [10.5]	34.7 [10.2]	34.1 [10.0]	32.6 [9.6]	31.8 [9.3]	31.2 [9.1]	30.1 [8.8]	29.3 [8.6]	28.8 [8.4]	
		Sens kBtu/h [kW]	20.8 [6.1]	19.5 [5.7]	18.5 [5.4]	25.6 [7.5]	24.0 [7.0]	22.8 [6.7]	30.1 [8.8]	29.0 [8.5]	27.6 [8.1]	
		Power	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	
	120 [48.9]	Total kBtu/h [kW]	34.2 [10.0]	33.3 [9.8]	32.7 [9.6]	31.2 [9.1]	30.4 [8.9]	29.8 [8.7]	28.7 [8.4]	28.0 [8.2]	27.4 [8.0]	
		Sens kBtu/h [kW]	20.0 [5.9]	18.7 [5.5]	17.8 [5.2]	24.8 [7.3]	23.2 [6.8]	22.1 [6.5]	28.7 [8.4]	28.0 [8.2]	26.9 [7.9]	
		Power	3.8	3.8	3.7	3.8	3.7	3.7	3.7	3.7	3.6	
	125 [51.7]	Total kBtu/h [kW]	32.8 [9.6]	31.9 [9.3]	31.3 [9.2]	29.7 [8.7]	29.0 [8.5]	28.4 [8.3]	27.2 [8.0]	26.5 [7.8]	26.0 [7.6]	
		Sens kBtu/h [kW]	19.1 [5.6]	17.9 [5.2]	17.0 [5.0]	23.9 [7.0]	22.4 [6.6]	21.3 [6.2]	27.2 [8.0]	26.5 [7.8]	26.0 [7.6]	
		Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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—RACXYC048

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]			1950 [920]	1525 [720]	1500 [708]	1950 [920]	1525 [720]	1500 [708]	1950 [920]	1525 [720]	1500 [708]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	63.1 [18.5]	60.1 [17.6]	59.9 [17.6]	58.8 [17.2]	55.9 [16.4]	55.8 [16.4]	54.7 [16.0]	52.1 [15.3]	51.9 [15.2]	
		Sens kBtu/h [kW]	36.2 [10.6]	32.0 [9.4]	31.8 [9.3]	42.5 [12.5]	37.6 [11.0]	37.3 [10.9]	48.3 [14.2]	42.7 [12.5]	42.4 [12.4]	
		Power	3.5	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3	
	80 [26.7]	Total kBtu/h [kW]	62.1 [18.2]	59.1 [17.3]	59.0 [17.3]	57.8 [16.9]	55.0 [16.1]	54.8 [16.1]	53.7 [15.7]	51.1 [15.0]	51.0 [14.9]	
		Sens kBtu/h [kW]	36.0 [10.6]	31.9 [9.3]	31.6 [9.3]	42.3 [12.4]	37.4 [11.0]	37.1 [10.9]	48.1 [14.1]	42.6 [12.5]	42.2 [12.4]	
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.5	
	85 [29.4]	Total kBtu/h [kW]	61.1 [17.9]	58.1 [17.0]	58.0 [17.0]	56.7 [16.6]	54.0 [15.8]	53.8 [15.8]	52.7 [15.4]	50.1 [14.7]	50.0 [14.7]	
		Sens kBtu/h [kW]	35.7 [10.5]	31.6 [9.3]	31.4 [9.2]	42.0 [12.3]	37.2 [10.9]	36.9 [10.8]	47.8 [14.0]	42.3 [12.4]	42.0 [12.3]	
		Power	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6	
	90 [32.2]	Total kBtu/h [kW]	59.9 [17.6]	57.1 [16.7]	56.9 [16.7]	55.6 [16.3]	52.9 [15.5]	52.7 [15.4]	51.5 [15.1]	49.0 [14.4]	48.9 [14.3]	
		Sens kBtu/h [kW]	35.3 [10.3]	31.2 [9.1]	31.0 [9.1]	41.6 [12.2]	36.8 [10.8]	36.5 [10.7]	47.4 [13.9]	41.9 [12.3]	41.6 [12.2]	
		Power	3.9	3.8	3.8	3.9	3.8	3.8	3.9	3.8	3.8	
	95 [35]	Total kBtu/h [kW]	58.7 [17.2]	55.9 [16.4]	55.7 [16.3]	54.4 [15.9]	51.7 [15.2]	51.6 [15.1]	50.3 [14.7]	47.9 [14.0]	47.8 [14.0]	
		Sens kBtu/h [kW]	34.8 [10.2]	30.8 [9.0]	30.5 [8.9]	41.1 [12.0]	36.4 [10.7]	36.1 [10.6]	46.9 [13.7]	41.5 [12.2]	41.2 [12.1]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.1	4.0	4.0	
	100 [37.8]	Total kBtu/h [kW]	57.5 [16.9]	54.7 [16.0]	54.6 [16.0]	53.1 [15.6]	50.5 [14.8]	50.4 [14.8]	49.1 [14.4]	46.7 [13.7]	46.6 [13.7]	
		Sens kBtu/h [kW]	34.2 [10.0]	30.2 [8.9]	30.0 [8.8]	40.5 [11.9]	35.8 [10.5]	35.5 [10.4]	46.3 [13.6]	40.9 [12.0]	40.6 [11.9]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.3	4.1	4.1	
	105 [40.6]	Total kBtu/h [kW]	56.2 [16.5]	53.5 [15.7]	53.3 [15.6]	51.8 [15.2]	49.3 [14.4]	49.1 [14.4]	47.8 [14.0]	45.5 [13.3]	45.3 [13.3]	
		Sens kBtu/h [kW]	33.4 [9.8]	29.6 [8.7]	29.4 [8.6]	39.7 [11.6]	35.1 [10.3]	34.9 [10.2]	45.5 [13.3]	40.3 [11.8]	40.0 [11.7]	
		Power	4.5	4.4	4.4	4.5	4.4	4.4	4.5	4.3	4.3	
	110 [43.3]	Total kBtu/h [kW]	54.8 [16.1]	52.1 [15.3]	52.0 [15.2]	50.4 [14.8]	48.0 [14.1]	47.8 [14.0]	46.4 [13.6]	44.1 [12.9]	44.0 [12.9]	
		Sens kBtu/h [kW]	32.6 [9.6]	28.8 [8.4]	28.6 [8.4]	38.9 [11.4]	34.4 [10.1]	34.1 [10.0]	44.7 [13.1]	39.5 [11.6]	39.2 [11.5]	
		Power	4.7	4.6	4.6	4.7	4.6	4.6	4.7	4.6	4.5	
	115 [46.1]	Total kBtu/h [kW]	53.3 [15.6]	50.8 [14.9]	50.6 [14.8]	48.9 [14.3]	46.6 [13.7]	46.4 [13.6]	44.9 [13.2]	42.8 [12.5]	42.6 [12.5]	
		Sens kBtu/h [kW]	31.6 [9.3]	28.0 [8.2]	27.8 [8.1]	37.9 [11.1]	33.6 [9.8]	33.3 [9.8]	43.7 [12.8]	38.7 [11.3]	38.4 [11.3]	
		Power	5.0	4.8	4.8	4.9	4.8	4.8	4.9	4.8	4.8	
	120 [48.9]	Total kBtu/h [kW]	51.8 [15.2]	49.3 [14.4]	49.2 [14.4]	47.4 [13.9]	45.1 [13.2]	45.0 [13.2]	43.4 [12.7]	41.3 [12.1]	41.2 [12.1]	
		Sens kBtu/h [kW]	30.6 [9.0]	27.0 [7.9]	26.8 [7.9]	36.9 [10.8]	32.6 [9.6]	32.4 [9.5]	42.7 [12.5]	37.7 [11.0]	37.5 [11.0]	
		Power	5.2	5.1	5.1	5.2	5.0	5.0	5.1	5	5.0	
	125 [51.7]	Total kBtu/h [kW]	50.2 [14.7]	47.8 [14.0]	47.7 [14.0]	45.9 [13.5]	43.6 [12.8]	43.5 [12.7]	41.8 [12.3]	39.8 [11.7]	39.7 [11.6]	
		Sens kBtu/h [kW]	29.4 [8.6]	26.0 [7.6]	25.8 [7.6]	35.7 [10.5]	31.6 [9.3]	31.3 [9.2]	41.5 [12.2]	36.7 [10.8]	36.4 [10.7]	
		Power	5.4	5.3	5.3	5.4	5.3	5.3	5.4	5.3	5.2	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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—RACXYC060

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]			2300 [1085]	1825 [861]	1775 [838]	2300 [1085]	1825 [861]	1775 [838]	2300 [1085]	1825 [861]	1775 [838]	
DR ①			.05	.09	.12	.05	.09	.12	.05	.09	.12	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total kBtu/h [kW]	74.8 [21.9]	71.4 [20.9]	71.0 [20.8]	70.0 [20.5]	66.8 [19.6]	66.5 [19.5]	66.2 [19.4]	63.2 [18.5]	62.9 [18.4]	
		Sens kBtu/h [kW]	43.1 [12.6]	38.4 [11.3]	37.9 [11.1]	50.8 [14.9]	45.3 [13.3]	44.7 [13.1]	58.6 [17.2]	52.3 [15.3]	51.6 [15.1]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.1	4.0	
	80 [26.7]	Total kBtu/h [kW]	73.4 [21.5]	70.1 [20.5]	69.7 [20.4]	68.6 [20.1]	65.5 [19.2]	65.2 [19.1]	64.8 [19.0]	61.9 [18.1]	61.6 [18.1]	
		Sens kBtu/h [kW]	42.6 [12.5]	38.0 [11.1]	37.5 [11.0]	50.3 [14.7]	44.9 [13.2]	44.3 [13.0]	58.1 [17.0]	51.8 [15.2]	51.2 [15.0]	
		Power	4.6	4.4	4.4	4.5	4.4	4.4	4.4	4.3	4.3	
	85 [29.4]	Total kBtu/h [kW]	72.0 [21.1]	68.7 [20.1]	68.4 [20.0]	67.2 [19.7]	64.2 [18.8]	63.8 [18.7]	63.4 [18.6]	60.5 [17.7]	60.2 [17.6]	
		Sens kBtu/h [kW]	42.0 [12.3]	37.5 [11.0]	37.0 [10.8]	49.8 [14.6]	44.4 [13.0]	43.8 [12.8]	57.6 [16.9]	51.3 [15.0]	50.7 [14.9]	
		Power	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	
	90 [32.2]	Total kBtu/h [kW]	70.5 [20.7]	67.3 [19.7]	66.9 [19.6]	65.7 [19.3]	62.7 [18.4]	62.4 [18.3]	61.9 [18.1]	59.1 [17.3]	58.8 [17.2]	
		Sens kBtu/h [kW]	41.4 [12.1]	36.9 [10.8]	36.4 [10.7]	49.2 [14.4]	43.8 [12.8]	43.3 [12.7]	56.9 [16.7]	50.8 [14.9]	50.1 [14.7]	
		Power	5.0	4.9	4.9	5.0	4.9	4.8	4.8	4.7	4.7	
	95 [35]	Total kBtu/h [kW]	68.9 [20.2]	65.8 [19.3]	65.5 [19.2]	64.1 [18.8]	61.2 [17.9]	60.9 [17.8]	60.3 [17.7]	57.6 [16.9]	57.3 [16.8]	
		Sens kBtu/h [kW]	40.7 [11.9]	36.3 [10.6]	35.8 [10.5]	48.5 [14.2]	43.2 [12.7]	42.7 [12.5]	56.3 [16.5]	50.2 [14.7]	49.5 [14.5]	
		Power	5.2	5.1	5.1	5.2	5.1	5.1	5.1	5.0	5.0	
	100 [37.8]	Total kBtu/h [kW]	67.3 [19.7]	64.2 [18.8]	63.9 [18.7]	62.5 [18.3]	59.7 [17.5]	59.4 [17.4]	58.7 [17.2]	56.0 [16.4]	55.7 [16.3]	
		Sens kBtu/h [kW]	40.0 [11.7]	35.6 [10.4]	35.2 [10.3]	47.7 [14.0]	42.6 [12.5]	42.0 [12.3]	55.5 [16.3]	49.5 [14.5]	48.9 [14.3]	
		Power	5.5	5.4	5.3	5.4	5.3	5.3	5.3	5.2	5.2	
	105 [40.6]	Total kBtu/h [kW]	65.6 [19.2]	62.6 [18.3]	62.3 [18.3]	60.8 [17.8]	58.0 [17.0]	57.7 [16.9]	57.0 [16.7]	54.4 [15.9]	54.1 [15.9]	
		Sens kBtu/h [kW]	39.1 [11.5]	34.9 [10.2]	34.5 [10.1]	46.9 [13.7]	41.8 [12.3]	41.3 [12.1]	54.7 [16.0]	48.8 [14.3]	48.2 [14.1]	
		Power	5.7	5.6	5.6	5.7	5.5	5.5	5.5	5.4	5.4	
	110 [43.3]	Total kBtu/h [kW]	63.8 [18.7]	60.9 [17.8]	60.6 [17.8]	59.0 [17.3]	56.3 [16.5]	56.1 [16.4]	55.2 [16.2]	52.7 [15.4]	52.4 [15.4]	
		Sens kBtu/h [kW]	38.3 [11.2]	34.1 [10.0]	33.7 [9.9]	46.0 [13.5]	41.0 [12.0]	40.5 [11.9]	53.8 [15.8]	48.0 [14.1]	47.4 [13.9]	
		Power	5.9	5.8	5.8	5.9	5.8	5.7	5.8	5.7	5.6	
	115 [46.1]	Total kBtu/h [kW]	61.9 [18.1]	59.1 [17.3]	58.8 [17.2]	57.2 [16.8]	54.6 [16]	54.3 [15.9]	53.3 [15.6]	50.9 [14.9]	50.7 [14.9]	
		Sens kBtu/h [kW]	37.3 [10.9]	33.3 [9.8]	32.9 [9.6]	45.1 [13.2]	40.2 [11.8]	39.7 [11.6]	52.9 [15.5]	47.1 [13.8]	46.5 [13.6]	
		Power	6.2	6.0	6.0	6.1	6.0	6.0	6.0	5.9	5.9	
	120 [48.9]	Total kBtu/h [kW]	60.0 [17.6]	57.3 [16.8]	57.0 [16.7]	55.2 [16.2]	52.7 [15.4]	52.5 [15.4]	51.4 [15.1]	49.1 [14.4]	48.8 [14.3]	
		Sens kBtu/h [kW]	36.3 [10.6]	32.4 [9.5]	32.0 [9.4]	44.1 [12.9]	39.3 [11.5]	38.8 [11.4]	51.4 [15.1]	46.2 [13.5]	45.7 [13.4]	
		Power	6.4	6.3	6.3	6.4	6.2	6.2	6.2	6.1	6.1	
	125 [51.7]	Total kBtu/h [kW]	58.0 [17.0]	55.4 [16.2]	55.1 [16.1]	53.3 [15.6]	50.8 [14.9]	50.6 [14.8]	49.4 [14.5]	47.2 [13.8]	47.0 [13.8]	
		Sens kBtu/h [kW]	35.2 [10.3]	31.4 [9.2]	31.0 [9.1]	43.0 [12.6]	38.3 [11.2]	37.8 [11.1]	49.4 [14.5]	45.3 [13.3]	44.7 [13.1]	
		Power	6.6	6.5	6.5	6.6	6.4	6.4	6.5	6.3	6.3	

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/h
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—RAC(A/X)YC—208/230 VOLTS—1 & 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]
2.0 [7.03]	700 CFM / 900 CFM	10 x 9 Blower 1/3 HP [249W]	Tap1 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]
				RPM	651	708	754	807	857	896	934	1009	1049	1079
				Watts	101	108	115	121	127	133	137	147	152	156
			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]
				RPM	614	670	728	784	824	875	934	978	1015	1053
				Watts	82	88	95	101	105	111	117	122	126	131
			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]
				RPM	745	786	827	871	915	960	1006	1043	1073	1107
				Watts	156	163	171	178	186	193	202	208	213	219
			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]
				RPM	677	729	776	828	882	920	957	1001	1059	1099
				Watts	115	121	129	136	143	149	154	160	168	174
3.0 [10.55]	1050 CFM / 1350 CFM	12 x 9T Blower 1/2 HP [373W]	Tap1 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]	950 [448]	886 [418]	780 [368]	685 [323]	576 [272]	504 [238]	430 [203]	346 [163]	330 [156]	266 [126]
				RPM	563	606	673	720	755	805	833	856	898	926
				Watts	100	106	115	123	127	135	139	142	148	151
			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]
				RPM	768	796	828	852	878	904	978	1008	1034	1063
				Watts	271	279	289	295	302	310	332	339	349	357
			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]
				RPM	872	892	921	946	968	992	1018	1040	1102	1117
				Watts	413	420	430	440	448	457	467	475	476	459

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE—RAC(A/X)YC—208/230 VOLTS—1 & 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 [.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]	Tap1 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	926	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]
				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]	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 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]
				RPM	773	803	828	423	902	939	466	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]
				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]	Tap1 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	839	878	909	0	0
				Watts	157	168	177	187	203	211	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]	1404 [663]	1357 [640]	1307 [617]	1253 [591]	1205 [569]	1159 [547]	1093 [516]	998 [471]	931 [439]	869 [410]
				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]
				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]
				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

INDOOR AIRFLOW PERFORMANCE—RAC(A/X)YC—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]	Tap1 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]	Tap1 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—RAC(A/X)YC—460 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 [.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]	Tap1 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	839	878	909	0	0
				Watts	157	168	177	187	203	211	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 - RACAYC SERIES

		024ACT	024AJT	036ACT	036ADT	036AJT
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	187-253
	Volts	208/230	208/230	208/230	460	208/230
	Phase	3	1	3	3	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	13	19	18	11	25
	Minimum Overcurrent Protection Device Size	15	30	25	15	35
	Maximum Overcurrent Protection Device Size	15	30	25	15	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230
	Phase	3	1	3	3	1
	RPM	3500	3500	3500	3500	3500
	Amps (RLA), Comp. 1	6.8	11.9	9.4	5.0	14.9
	Amps (LRA), Comp. 1	70.0	65.0	82.0	44.3	90.0
	HP, Compressor 2	N/A	N/A	N/A	N/A	N/A
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230
	Phase	1	1	1	1	1
	HP	1/6	1/6	1/3	1/3	1/3
	Amps (FLA, each)	0.6	0.6	1.5	0.8	1.5
	Amps (LRA, each)	1.5	1.5	3	1.6	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1	1	1
	Amps (FLA, each)	2.8	2.8	4.1	3.5	4.1
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A

ELECTRICAL DATA - RACXYC 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	13	34	27	14	42
	Minimum Overcurrent Protection Device Size	35	15	50	40	20	60
	Maximum Overcurrent Protection Device Size	35	15	50	40	20	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
	Amps (RLA), Comp. 1	12.1	7.1	20.1	13.8	6.9	25.2
	Amps (LRA), Comp. 1	123	60	141	150	60	147.3
	HP, Compressor 2	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
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	3/4	1	3/4	1	1	1
	Amps (FLA, each)	6	2.7	6	7.6	4	7.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A

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 RACAYC	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
024ACT000NA HEATER kW	NONE	—	—	13/13	15/15	—	—	13/13	15/15
	A05C	3.8/5	10.4/12	17/19	20/20	13/15	15/15	13/13	15/15
	A08C	5.7/7.6	15.9/18.3	24/27	25/30	20/23	20/25	13/13	15/15
	A10C	7.2/9.6	20/23.1	29/33	30/35	25/29	25/30	13/13	15/15
036ACT000NA HEATER kW	NONE	—	—	18/18	25/25	—	—	18/18	25/25
	A05C	3.8/5	10.4/12	19/21	25/25	13/15	15/15	18/18	25/25
	A08C	5.7/7.6	15.9/18.3	25/28	25/30	20/23	20/25	18/18	25/25
	A10C	7.2/9.6	20/23.1	31/34	35/35	25/29	25/30	18/18	25/25
	A15C	10.8/14.4	30.1/34.7	43/49	45/50	38/44	40/45	18/18	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 RACAYC	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	—	—	11	15	—	—	11	15
	A05D	4.8	5.8	12	15	8	15	11	15
	A08D	7.6	9.1	16	20	12	15	11	15
	A10D	9.6	11.6	19	20	15	15	11	15
	A15D	14.4	17.3	26	30	22	25	11	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 RACAYC	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	—	—	19/19	30/30	—	—	19/19	30/30
	A05J	3.6/4.8	17.3/20	26/29	30/30	22/25	25/25	19/19	30/30
	A08J	5.7/7.6	27.4/31.6	38/43	40/45	35/40	35/40	19/19	30/30
	A10J	7.2/9.6	34.6/40	48/54	50/60	44/50	45/50	19/19	30/30
036AJT000NA HEATER kW	NONE	—	—	25/25	35/35	—	—	25/25	35/35
	A05J	3.6/4.8	17.3/20	27/31	35/35	22/25	25/25	25/25	35/35
	A08J	5.7/7.6	27.4/31.6	40/45	40/45	35/40	35/40	25/25	35/35
	A10J	7.2/9.6	34.6/40	49/56	50/60	44/50	45/50	25/25	35/35
	A15J	10.8/14.4	51.9/60	70/81	70/90	65/75	70/80	25/25	35/35

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 RACXYC	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	—	—	27/27	40/40	—	—	27/27	40/40
	A05C	3.8/5	10.4/12	27/27	40/40	13/15	15/15	27/27	40/40
	A08C	5.7/7.6	15.9/18.3	30/33	40/40	20/23	20/25	27/27	40/40
	A10C	7.2/9.6	20/23.1	35/39	40/40	25/29	25/30	27/27	40/40
	A15C	10.8/14.4	30.1/34.7	48/53	50/60	38/44	40/45	27/27	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	—	—	13	15	—	—	13	15
	A05D	4.8	5.8	13	15	8	15	13	15
	A08D	7.6	9.1	15	15	12	15	13	15
	A10D	9.6	11.6	18	20	15	15	13	15
	A15D	14.4	17.3	25	25	22	25	13	15
060ADT000NA HEATER KW	NONE	—	—	14	20	—	—	14	20
	A05D	4.8	5.8	14	20	8	15	14	20
	A08D	7.6	9.1	16	20	12	15	14	20
	A10D	9.6	11.6	19	20	15	15	14	20
	A15D	14.4	17.3	26	30	22	25	14	20

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 RACXYC	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	—	—	34/34	50/50	—	—	34/34	50/50
	A05J	3.6/4.8	17.3/20	34/34	50/50	22/25	25/25	34/34	50/50
	A08J	5.7/7.6	27.4/31.6	42/47	50/50	35/40	35/40	34/34	50/50
	B10J	7.2/9.6	34.6/40	51/58	60/60	44/50	45/50	34/34	50/50
	B15J	10.8/14.4	51.9/60	73/83	80/90	65/75	70/80	34/34	50/50
060AJT000NA HEATER kW	NONE	—	—	42/42	60/60	—	—	42/42	60/60
	A05J	3.6/4.8	17.3/20	42/42	60/60	22/25	25/25	42/42	60/60
	A08J	5.7/7.6	27.4/31.6	44/49	60/60	35/40	35/40	42/42	60/60
	B10J	7.2/9.6	34.6/40	53/60	60/60	44/50	45/50	42/42	60/60
	B15J	10.8/14.4	51.9/60	75/85	80/90	65/75	70/80	42/42	60/60

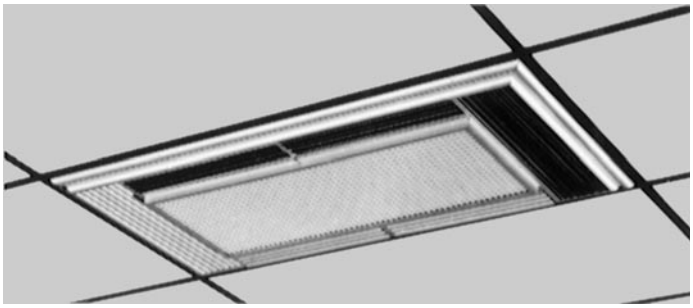
ACCESSORY EQUIPMENT

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	RXRX-DXCAE
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	RXRX-AV04
	RACX	PD555460
Fresh Air Damperß	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	RXRX-SDX01
Low Ambient Control	RACA/X	RXPZ-G01
Phase Monitor Kit	3ph-RACA/X	RXRX-PM3A01

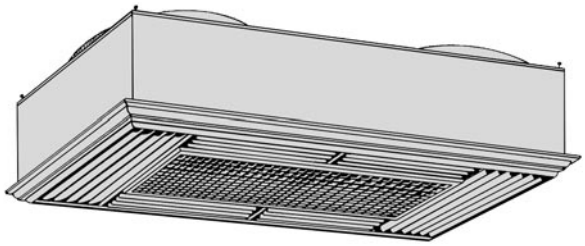
NOTE: High and low pressure switches are standard for RAC(A/X)YC Models.

[ ] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



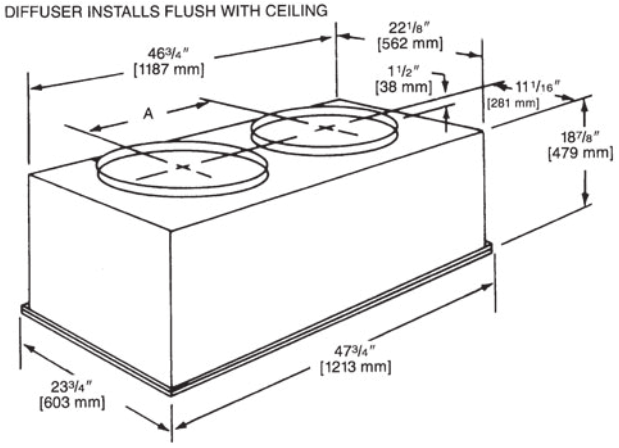
SUPPLY/RETURN DIFFUSER



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]

[ ] Designates Metric Conversions



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])

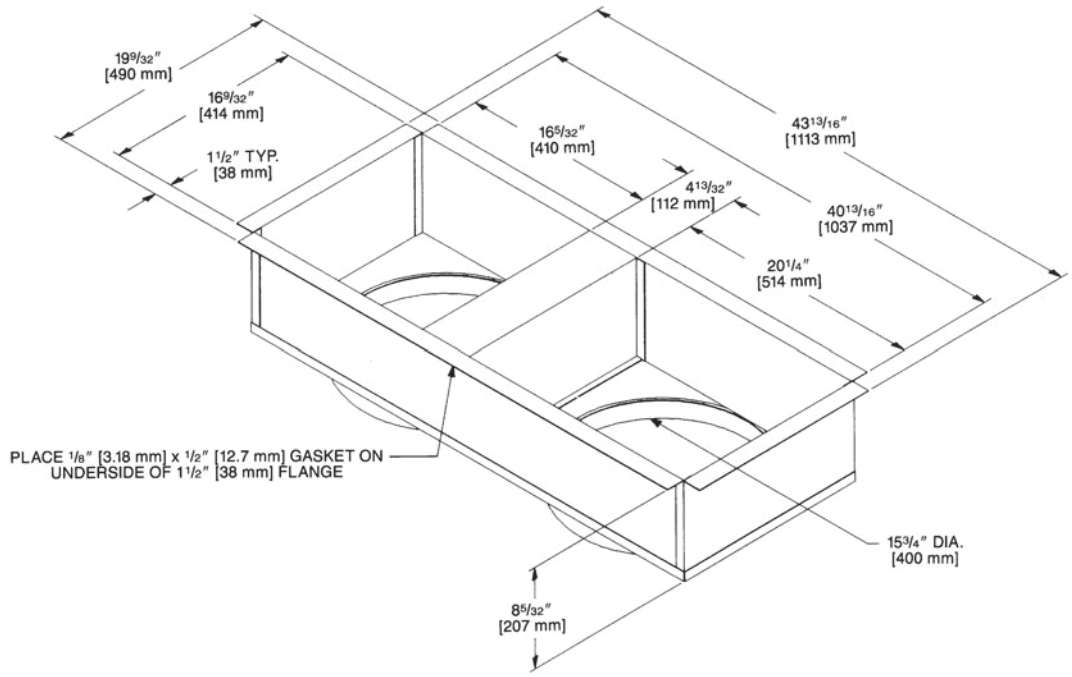
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

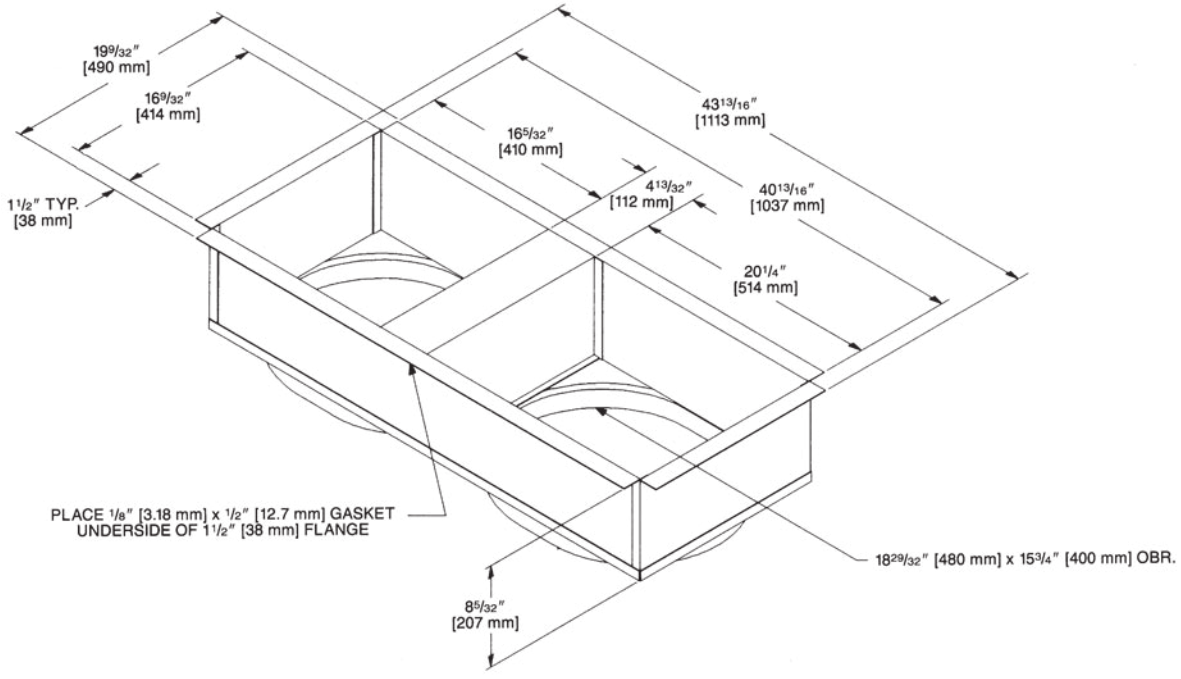
Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



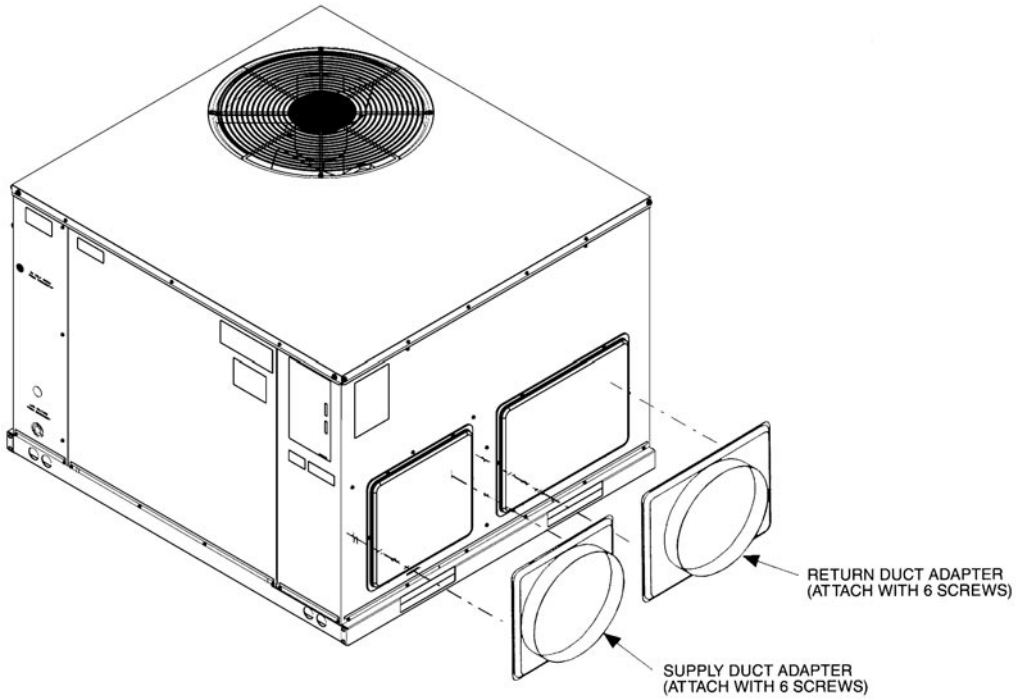
[ ] Designates Metric Conversions

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

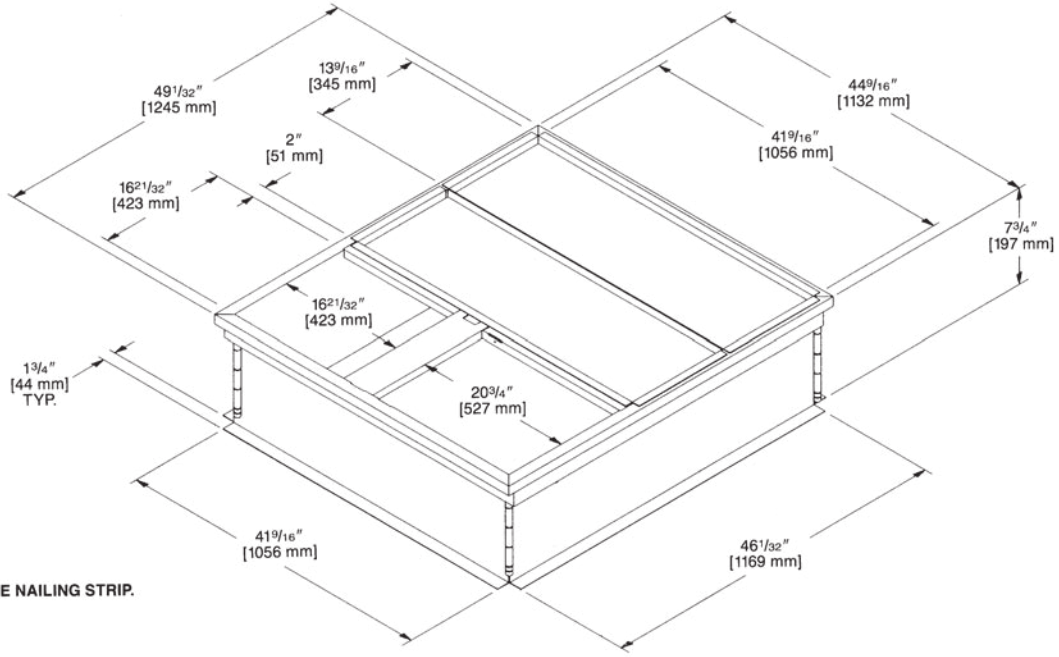


ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14—for the "A" cabinet

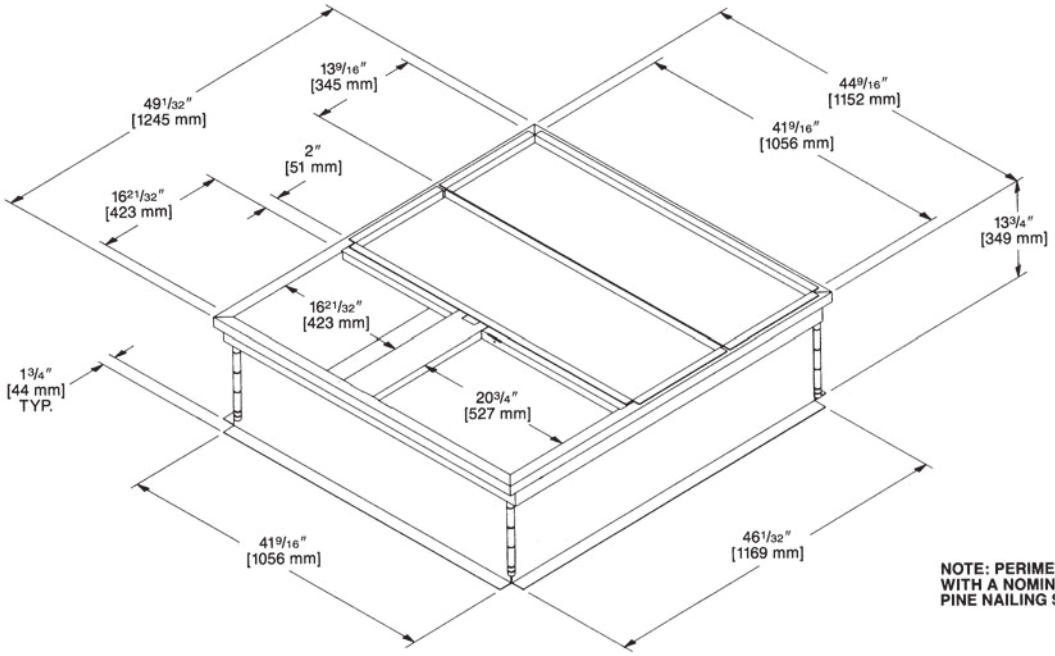
Hinged corners make for fast, easy set-up

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)

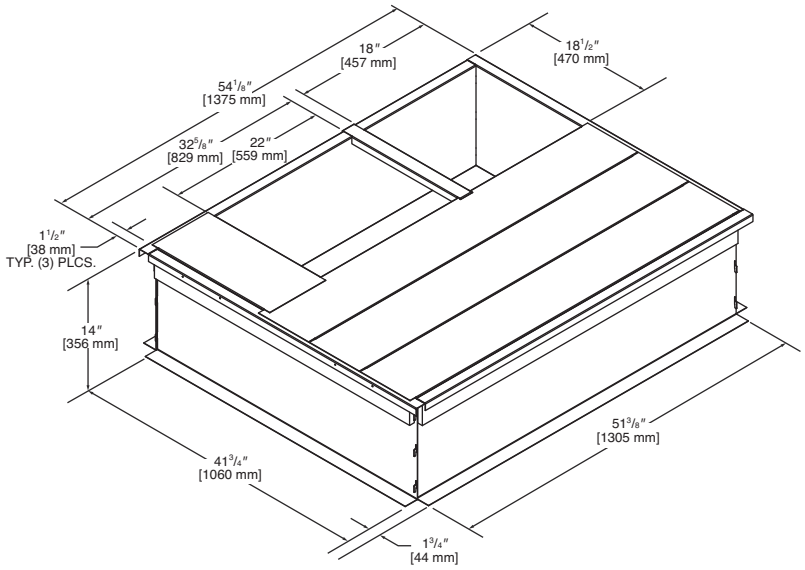


Illustration
ST-A1334-14-00

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

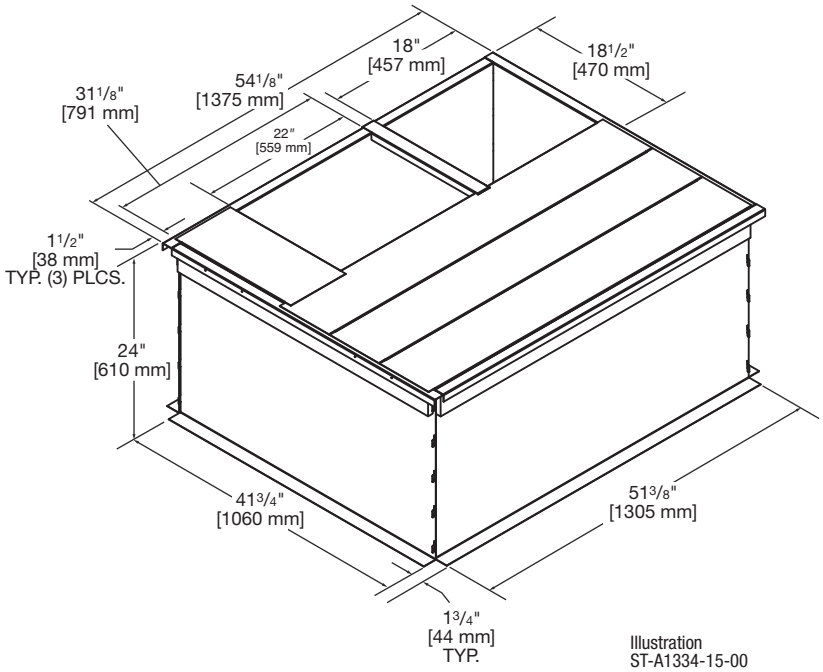
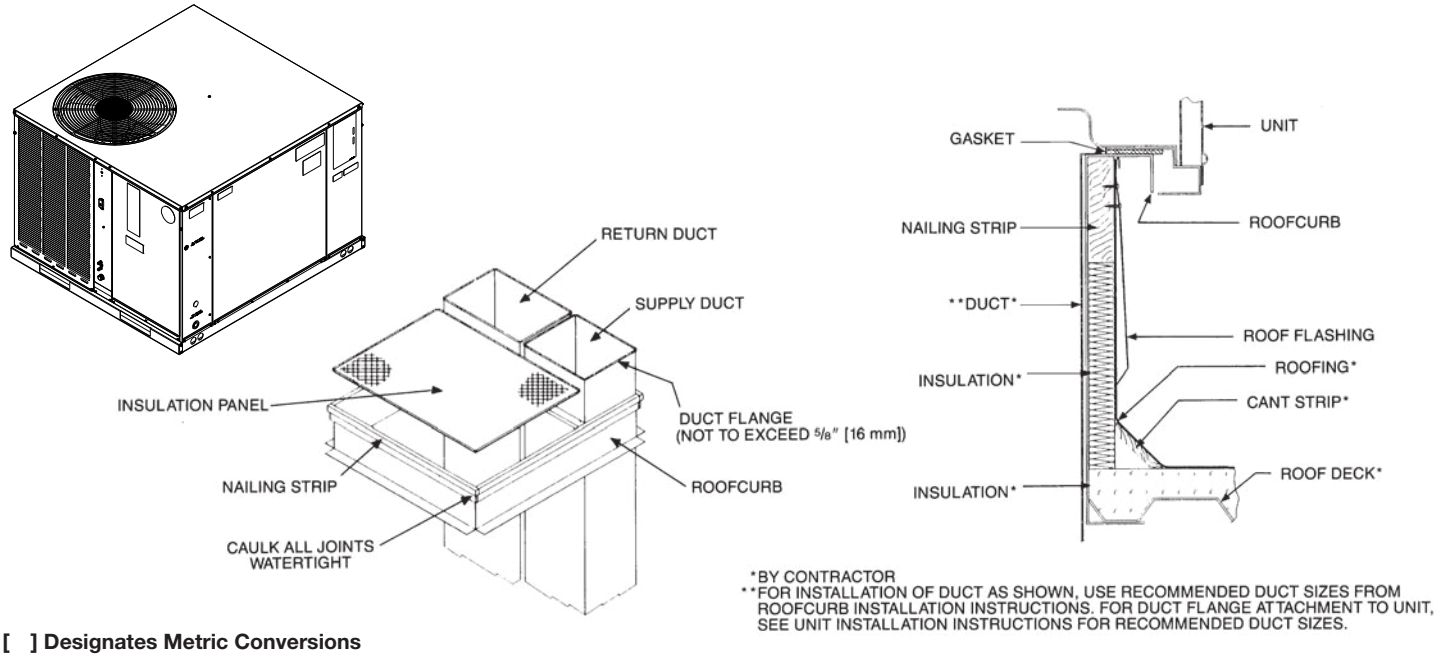


Illustration
ST-A1334-15-00

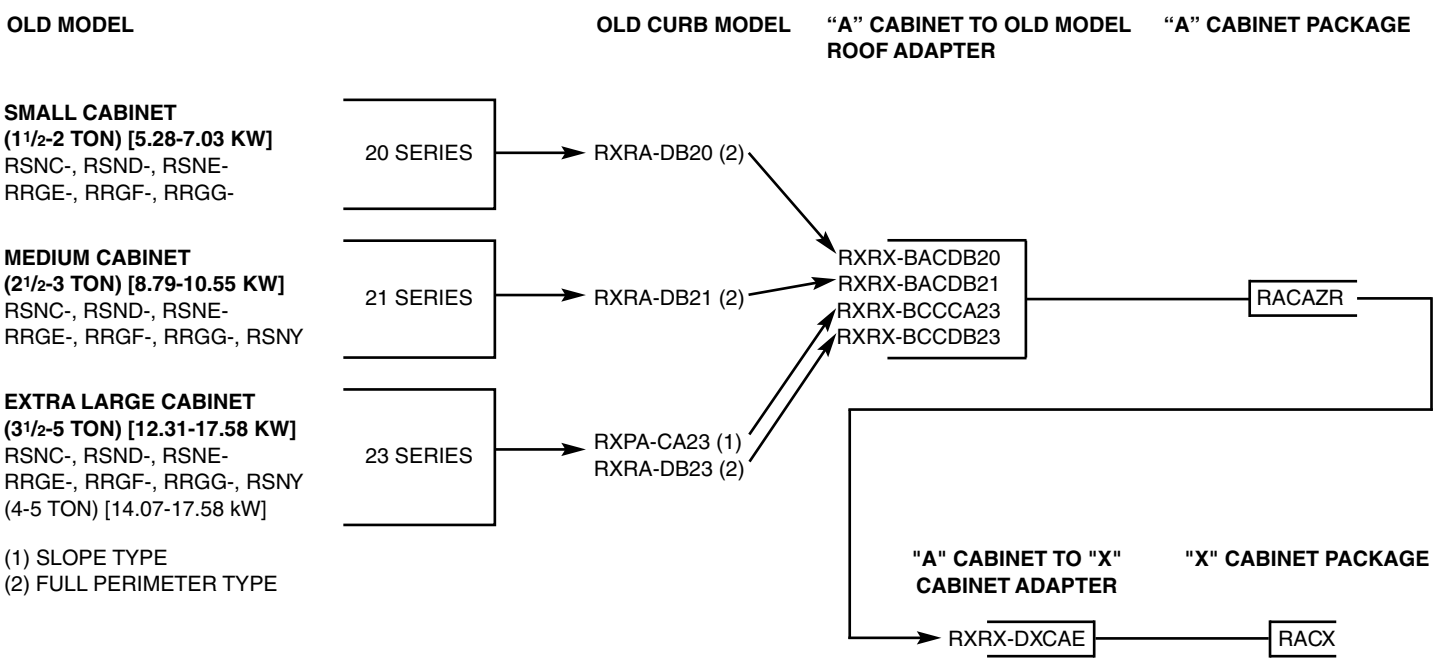
PACKAGED AIR CONDITIONERS & GAS/ELECTRIC PACKAGED UNITS ROOFCURB INSTALLATION (Full Perimeter)



[ ] Designates Metric Conversions

ROOFCURB ADAPTERS

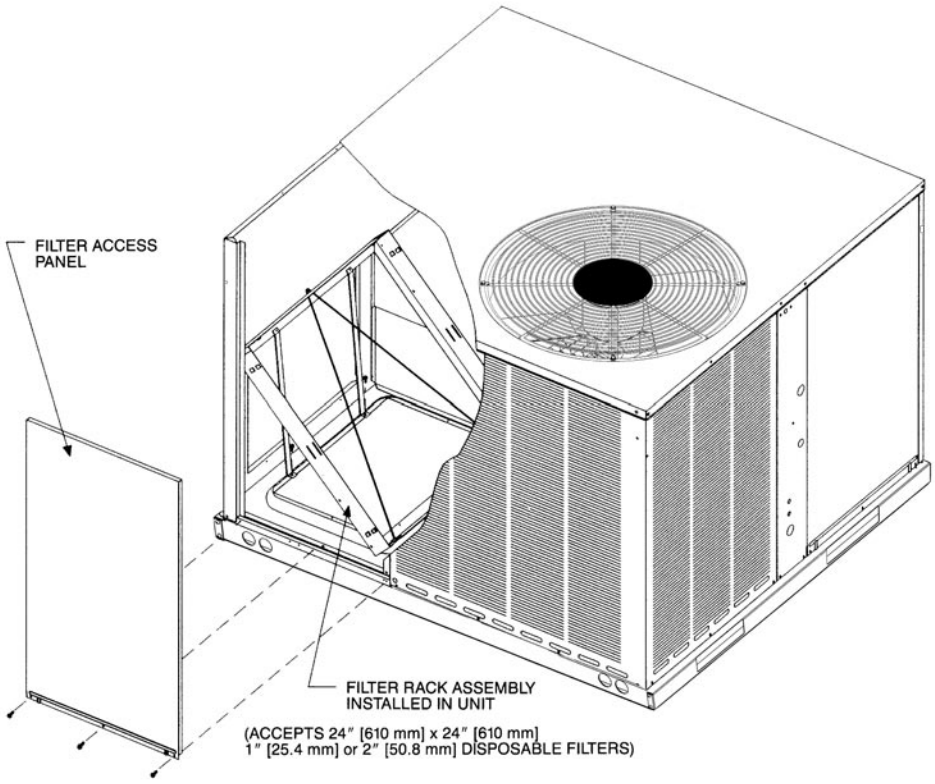
Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



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 [.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

FILTER KIT INSTALLATION

RXRY-B02

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

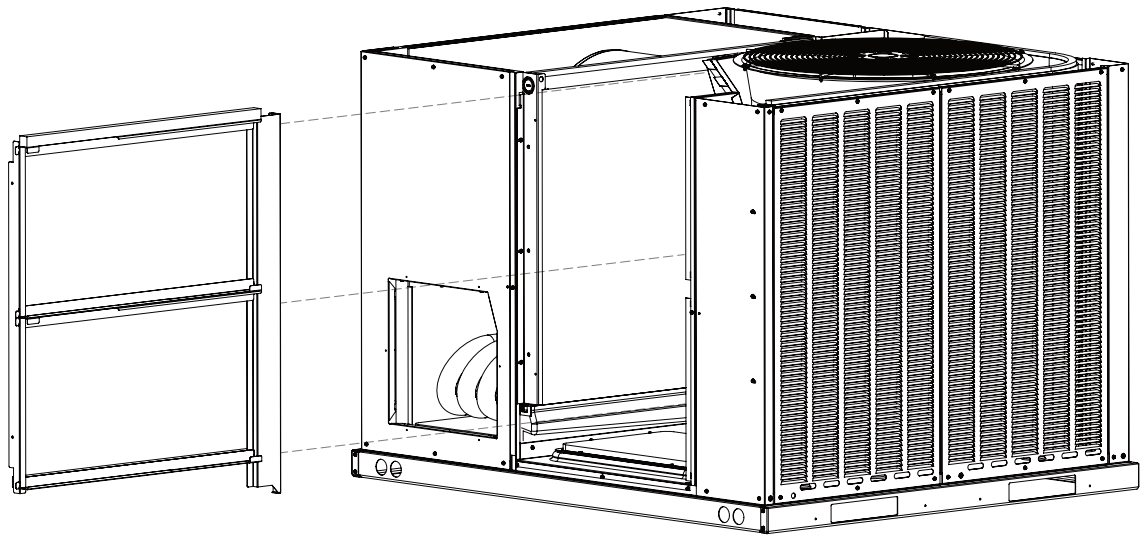


Illustration
ST-A1352-01-00

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)YC Series

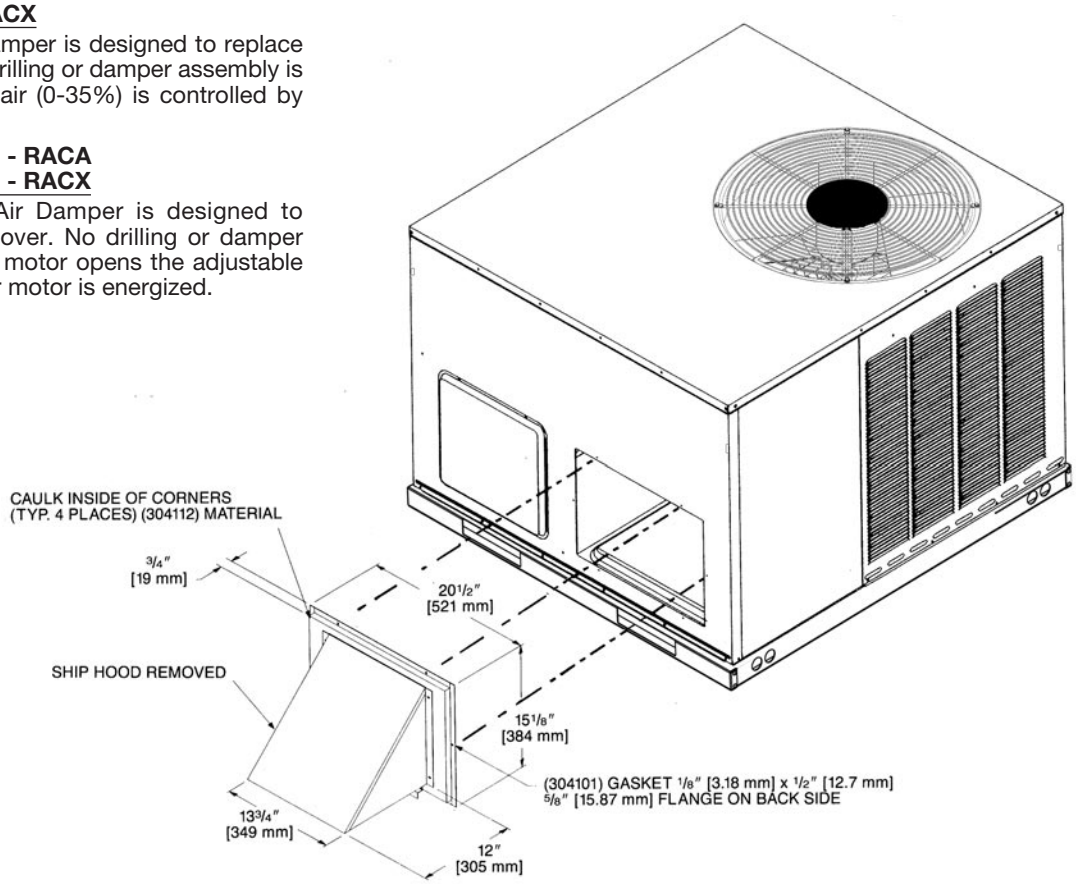
AXRF-FAA1 (Fixed - 0-35%) - RACA
AXRF-FAA2 (Fixed - 0-35%) - RACX

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

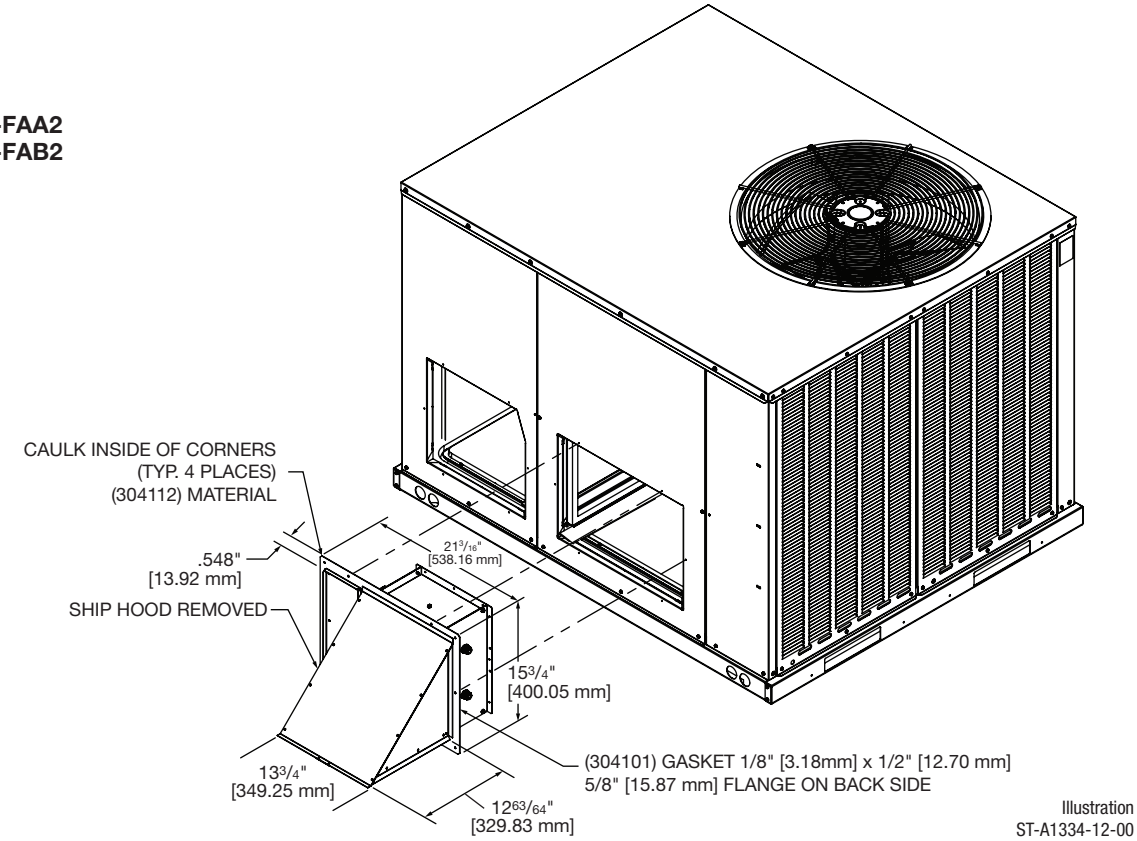


Illustration
ST-A1334-12-00

[ ] 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
- CO_2 sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers

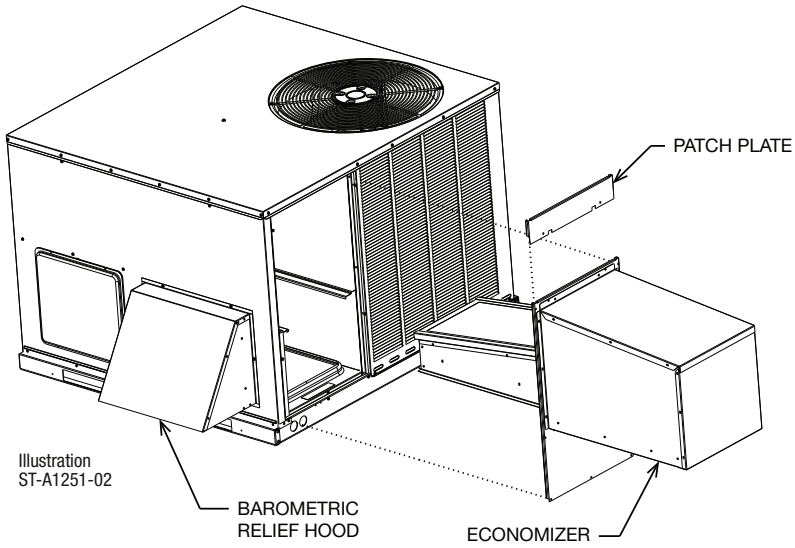
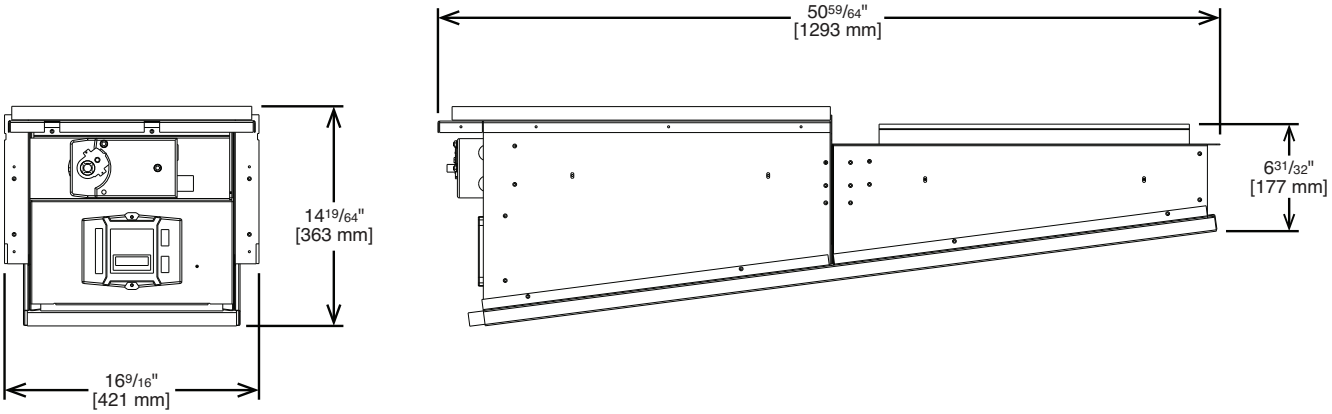


Illustration
ST-A1251-02



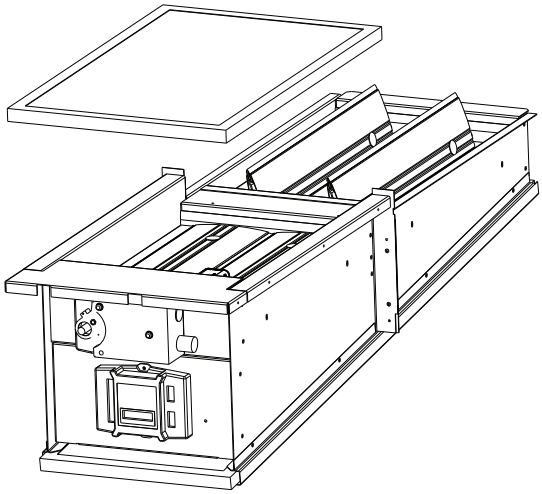


Illustration
ST-A1251-11

[ ] 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 controllerÛefore putting it into usage by using the Climatix Mobile app or the inbuilt display
- CO_2 sensor input for demand control ventilation (DCV) applications
- RXRX-BV03 dual enthalpy kit available for field installation
- AMCA licensed class 1A low leak dampers

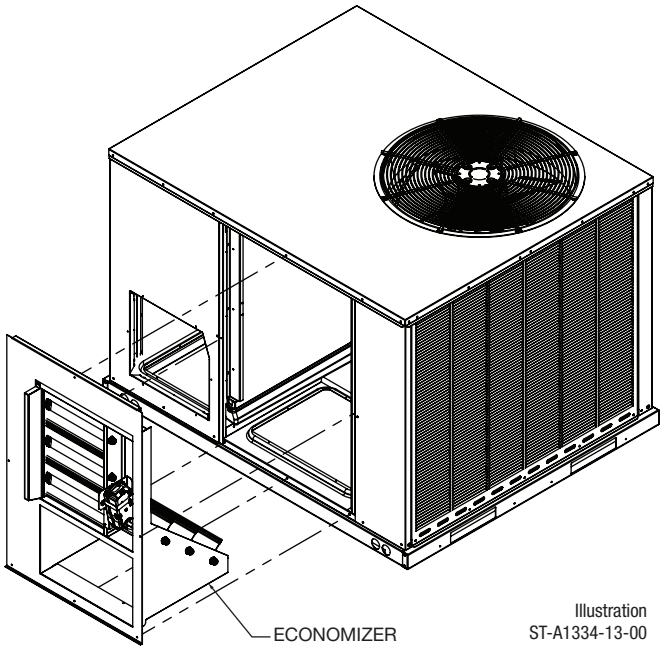


Illustration
ST-A1334-13-00

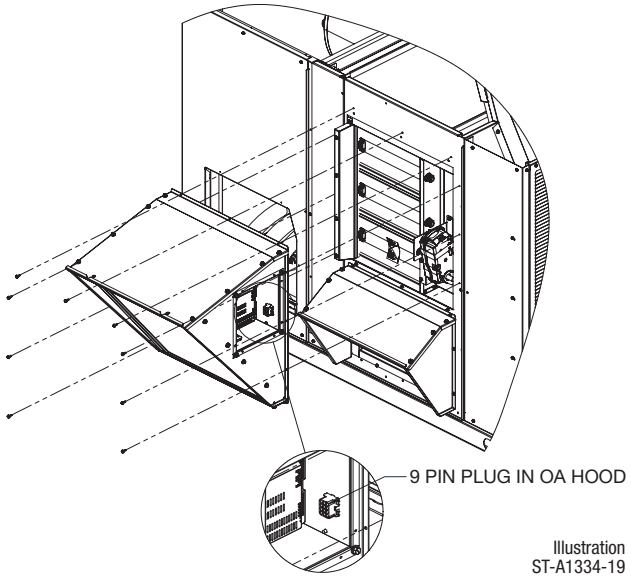
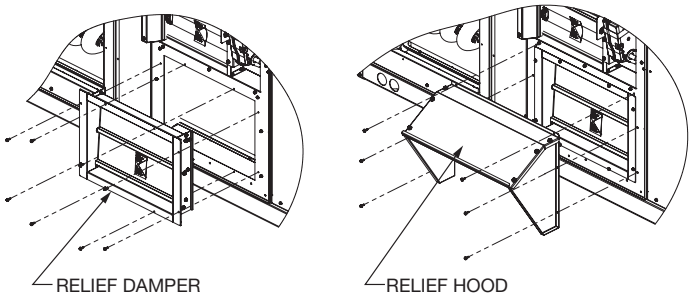


Illustration
ST-A1334-19

VERTICAL APPLICATION



HORIZONTAL APPLICATION

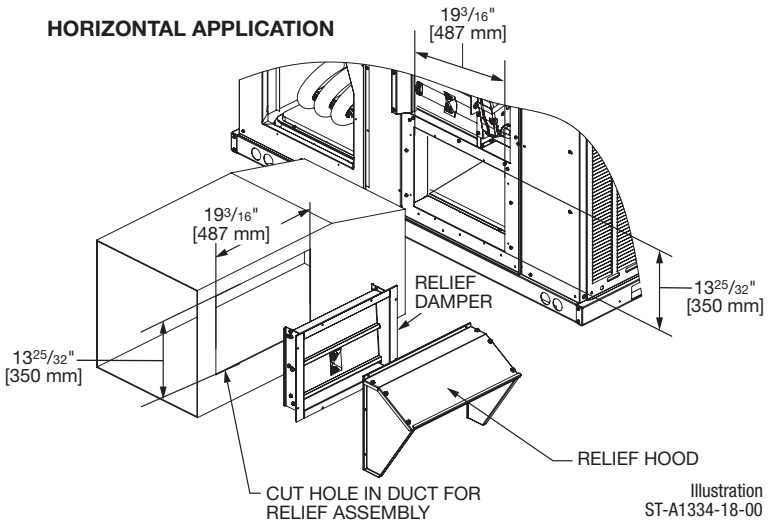


Illustration
ST-A1334-18-00

[ ] Designates Metric Conversions

ELECTRIC HEATER KIT—RAC(A/X)YC

ELECTRIC HEATER KIT MODELS	UNIT MODEL APPLICATION (15.2 SEER2 RAC(A/X)YC)
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.

GENERAL TERMS OF LIMITED WARRANTY*

Russell® By Rheem 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)
Residential Applications .....Ten (10) Years
Compressor
Residential Applications .....Ten (10) Years
Commercial Applications.....Five (5) Years
Parts
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.

5600 Old Greenwood Road
Fort Smith, Arkansas 72908 • RussellByRheem.com

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