Ruud *Commercial Achiever® Series* Package Air Conditioner



RACA14- 14 SEER Series
Nominal Sizes 2-5 Tons [7.0-17.6 kW]

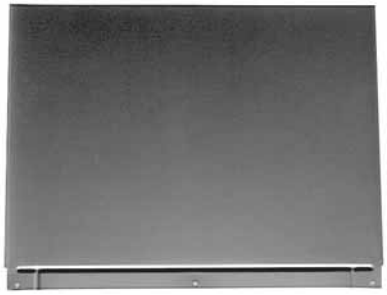
RACA15- 15 SEER Series
Nominal Sizes 2-5 Tons [7.0-17.6 kW]

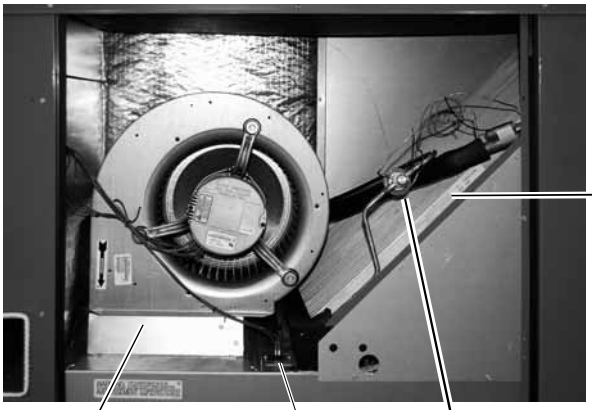
(15 SEER/12.0 EER AND ABOVE ONLY)

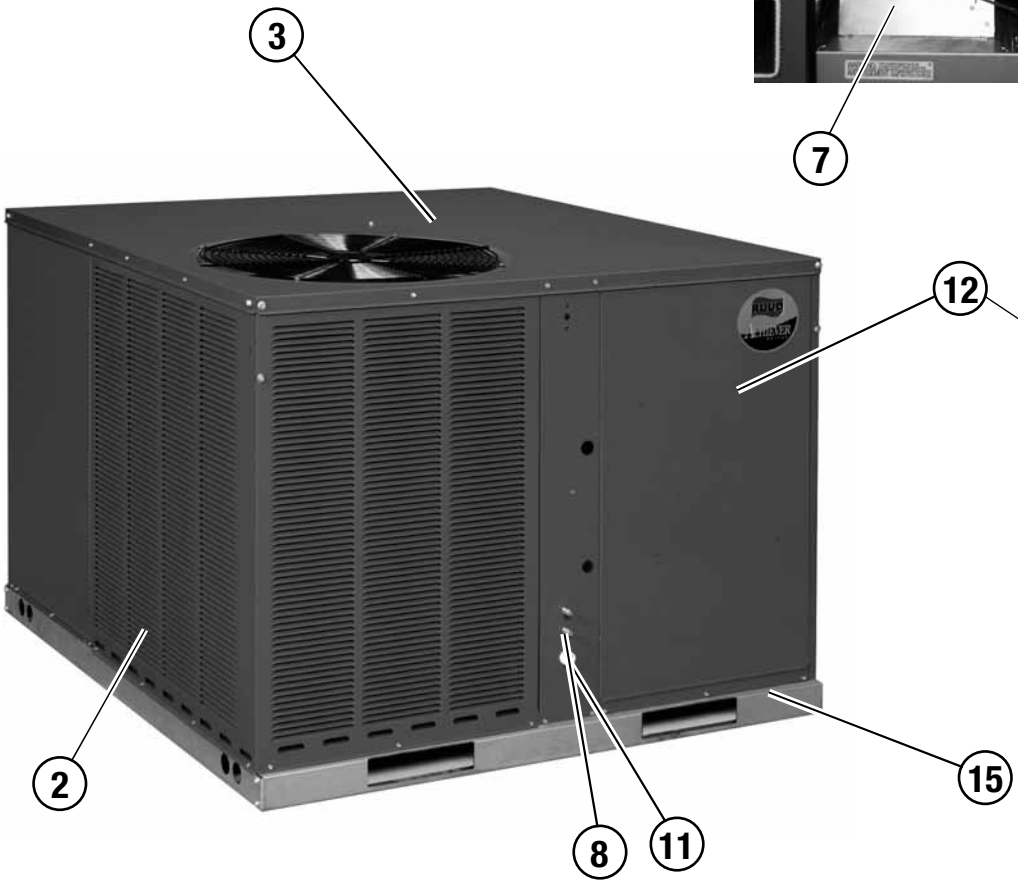
"Proper sizing and installation of equipment is critical to achieve optimal performance. Ask your Contractor for details or visit www.energystar.gov."

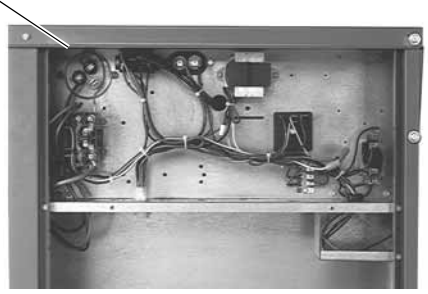
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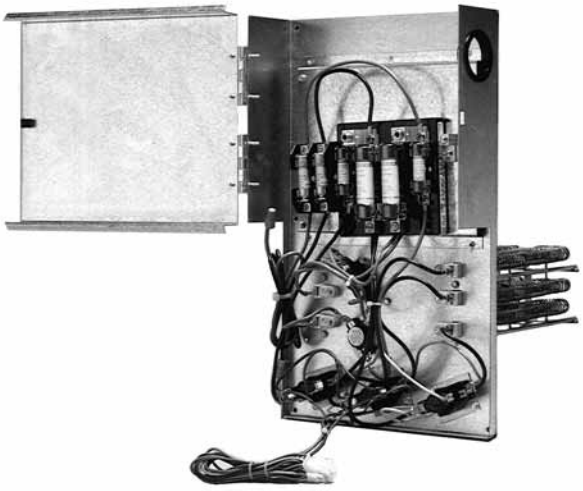

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4





Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation. The 5-Ton RACA15 model features Scroll UltraTech™ 2-Stage compressors with Comfort Alert™ diagnostics (see below), high/low pressure switches, and hard start kit.
2. Louvered condenser compartment to protect the coil against yard hazards and/or weather extremes.
3. One-piece top with a drip lip to help keep water off of the unit sides.
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. Side and down discharge options available on all models.
7. Easily accessible blower section complete with slide-out blower.
8. Externally mounted 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. Its easier to clean and has a more robust surface.
10. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring simplifies installation.
11. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
12. Easily accessible control box.
13. Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
14. Solid core liquid line. Filter drier standard on all models (not shown).
15. Rugged baserail included for improved installation and handling.
16. Molded compressor plug.
17. Complete factory charged, wired and run tested.
18. A double sloped evaporator coil drain pan assures all water is removed from the unit to improve indoor air quality.

Comfort Alert™ Diagnostics – Faster Service And Improved Accuracy (5 Ton RACA15 2-Stage Model Only)

The Comfort Alert™ diagnostics module is a breakthrough innovation for troubleshooting air conditioning system failures. The module is installed in the control box near the compressor contactor. By monitoring and analyzing data from the Scroll® compressor and the thermostat demand, the module can accurately detect the cause of electrical and system related failures without any sensors. A flashing LED indicator communicates the ALERT code and guides the service technician more quickly and accurately to the root cause of a problem.

NOTE: Single phase module does not provide safety protection! The Comfort Alert module is a monitoring device and cannot control or shut down the compressor unless used with a compatible thermostat.

NOTE: Three phase module provides compressor protection and will shut down the compressor when compressor damaging conditions are detected.

R AC A 14 036 A J D 10 1 A A X X X

- Factory Installed Options (See Next Page)
- Minor Series
  A = 1st Variation
- Control
  A = Non Communicating
- Heat Configuration
  1 = Single Stage
  0 = No Heat
- Heating Capacity
  00 = No Heat
  05 = 05 KW
  10 = 10 KW
  15 = 15 KW
- Drive Package
  D = Direct Drive (PSC)
  T = Constant Torque (X13)
- Voltage
  J = 208-230V—1PH—60 Hz
  C = 208-230V—3PH—60 Hz
  D = 460/60V—3PH—60 Hz
- Major Series
  A = 1st Variation
- Cooling Capacity (BTUH) [kW]
  024 = 24,000 [7.03]
  030 = 30,000 [8.79]
  036 = 36,000 [10.55]
  042 = 42,000 [12.31]
  048 = 48,000 [14.07]
  060 = 60,000 [17.59]
- Series
  14 = 14 SEER
  15 = 15 SEER
- Cabinet Type
  A = Residential Package
- Unit Type
  AC = Package Air Conditioner
- Tradebrand
  R = Ruud

[ ] Designates Metric Conversions

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

Model RACA14 Series	024AJD***AA	030AJD***AA	036ACD***AA	036AJD***AA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,800 [7.27]	30,200 [8.85]	35,400 [10.37]	35,400 [10.37]
EER/SEER[2]	11.6/14	12/14	11.8/14	11.8/14
Nominal CFM/AHRI Rated CFM [L/s]	800/900 [378/425]	1000/1000 [472/472]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	24,000 [7.03]	29,000 [8.5]	34,000 [9.96]	34,000 [9.96]
Net Sensible Capacity Btu [kW]	18,400 [5.39]	21,300 [6.24]	24,200 [7.09]	24,200 [7.09]
Net Latent Capacity Btu [kW]	5,600 [1.64]	7,700 [2.26]	9,800 [2.87]	9,800 [2.87]
Net System Power kW	2.07	2.37	2.89	2.89
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	7.1 [0.66]	9.9 [0.92]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 23 [9]	1 / 23 [9]	1 / 17 [7]
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]	2700 [1274]	2700 [1274]
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	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [229x178]	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	1/4	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
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)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	42.7 [1211]	46.8 [1327]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	398 [181]	403 [183]	411 [186]	411 [186]
Ship Weight lbs. [kg]	408 [185]	413 [187]	421 [191]	421 [191]

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RACA14 Series	042ACT***AA	042AJT***AA	048ACT***AA	048AJT***AA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	47,500 [13.92]	47,500 [13.92]
EER/SEER[2]	12/14	12/14	11.7/14	11.7/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1300 [661/613]	1400/1300 [661/613]	1600/1550 [755/731]	1600/1550 [755/731]
AHRI Net Cooling Capacity Btu [kW]	40,000 [11.72]	40,000 [11.72]	46,000 [13.48]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	29,000 [8.5]	29,000 [8.5]	32,500 [9.52]	32,500 [9.52]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	13,500 [3.96]	13,500 [3.96]
Net System Power kW	3.27	3.27	3.89	3.89
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	14.1 [1.31]	14.1 [1.31]	16.3 [1.51]	16.3 [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]	3.6 [0.33]	3.6 [0.33]	4.1 [0.38]	4.1 [0.38]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	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]	3500 [1652]	3500 [1652]	3300 [1557]	3300 [1557]
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	1075	1075	1075	1075
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	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
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]	53.6 [1520]	53.6 [1520]	69.3 [1965]	69.3 [1965]
Weights				
Net Weight lbs. [kg]	441 [200]	441 [200]	477 [216]	477 [216]
Ship Weight lbs. [kg]	451 [205]	451 [205]	487 [221]	487 [221]

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RACA14 Series	060ACT***AA	060AJT***AA
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]
EER/SEER[2]	11.6/14	11.6/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1700 [944/802]	2000/1700 [944/802]
AHRI Net Cooling Capacity Btu [kW]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu [kW]	39,500 [11.57]	39,500 [11.57]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.94	4.94
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	79	79
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.3 [1.42]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	4 [0.37]	4 [0.37]
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
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3400 [1604]	3400 [1604]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type	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	1075	1075
Motor Frame Size	48	48
Filter—Type	Field Supplied	Field Supplied
Furnished	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	83.1 [2356]	83.1 [2356]
Weights		
Net Weight lbs. [kg]	512 [232]	512 [232]
Ship Weight lbs. [kg]	522 [237]	522 [237]

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RACA15 Series	024AJT***AA	030AJT***AA	036ACT***AA	036AJT***AA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,600 [7.21]	29,600 [8.67]	36,000 [10.55]	36,000 [10.55]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	800/900 [378/425]	1000/975 [472/460]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	24,000 [7.03]	29,000 [8.5]	35,000 [10.25]	35,000 [10.25]
Net Sensible Capacity Btu [kW]	18,100 [5.3]	21,500 [6.3]	25,400 [7.44]	25,400 [7.44]
Net Latent Capacity Btu [kW]	5,900 [1.73]	7,500 [2.2]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	2.03	2.21	2.77	2.77
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	7.1 [0.66]	9.9 [0.92]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
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]	2700 [1274]	2700 [1274]
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	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/3	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
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)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	42.6 [1208]	46.8 [1327]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	403 [183]	403 [183]	411 [186]	411 [186]
Ship Weight lbs. [kg]	413 [187]	413 [187]	421 [191]	421 [191]

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RACA15 Series	042ACT***AA	042AJT***AA	048ACT***AA	048AJT***AA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	47,500 [13.92]	47,500 [13.92]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	1400/1300 [661/613]	1400/1300 [661/613]	1600/1550 [755/731]	1600/1550 [755/731]
AHRI Net Cooling Capacity Btu [kW]	40,000 [11.72]	40,000 [11.72]	46,000 [13.48]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	28,600 [8.38]	28,600 [8.38]	33,000 [9.67]	33,000 [9.67]
Net Latent Capacity Btu [kW]	11,400 [3.34]	11,400 [3.34]	13,000 [3.81]	13,000 [3.81]
Net System Power kW	3.28	3.28	3.66	3.66
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.7 [17.8]
Face Area sq. ft. [sq. m]	14.1 [1.31]	14.1 [1.31]	16.3 [1.51]	16.3 [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]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	4.1 [0.38]	4.1 [0.38]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	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]	3500 [1652]	3500 [1652]	3300 [1557]	3300 [1557]
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	1075	1075	1075	1075
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	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
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]	61.3 [1738]	61.3 [1738]	85.3 [2418]	85.3 [2418]
Weights				
Net Weight lbs. [kg]	445 [202]	445 [202]	492 [223]	492 [223]
Ship Weight lbs. [kg]	455 [206]	455 [206]	502 [228]	502 [228]

See Page 12 for Notes.

[ ] Designates Metric Conversions

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

Model RACA15 Series	060ACT***AA	060AJT***AA
Cooling Performance[1]		
Gross Cooling Capacity (2nd Stage) Btu [kW]	59,500 [17.43]	59,500 [17.43]
SEER[2]	15	15
EER (1st stage / 2nd stage)	20.9/11.4	20.9/11.4
AHRI Rated CFM (1st / 2nd stage) [L/s]	1250/1850 [590/873]	1250/1850 [590/873]
AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW]	49,500/57,000 [14.5/16.7]	49,500/57,000 [14.5/16.7]
Net Sensible Capacity (1st / 2nd stage) Btu [kW]	33,800/40,700 [9.9/11.92]	33,800/40,700 [9.9/11.92]
Net Latent Capacity (1st / 2nd stage) Btu [kW]	15,700/16,300 [4.6/4.78]	15,700/16,300 [4.6/4.78]
Net System Power (1st / 2nd stage) [kW]	2.14/5.02	2.14/5.02
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	78	78
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.3 [1.42]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	4 [0.37]	4 [0.37]
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
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3300 [1557]	3300 [1557]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type	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	1075	1075
Motor Frame Size	48	48
Filter—Type	Field Supplied	Field Supplied
Furnished	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	89.6 [2540]	89.6 [2540]
Weights		
Net Weight lbs. [kg]	515 [234]	515 [234]
Ship Weight lbs. [kg]	525 [238]	525 [238]

See Page 12 for Notes.

[ ] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation in CFM range shown in airflow tables. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER 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—RACA14024A

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]			990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]
DR ①			0.18	0.15	0.12	0.18	0.15	0.12	0.18	0.15	0.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	31.2 [9.1]	30.6 [9.0]	29.7 [8.7]	29.3 [8.6]	28.8 [8.4]	28.0 [8.2]	27.8 [8.2]	27.3 [8.0]	26.6 [7.8]
		Sens BTUH [kW]	19.3 [5.7]	18.5 [5.4]	17.1 [5.0]	22.6 [6.6]	21.6 [6.3]	20.0 [5.9]	25.3 [7.4]	24.2 [7.1]	22.5 [6.6]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	80 [26.7]	Total BTUH [kW]	30.1 [8.8]	29.6 [8.7]	28.8 [8.4]	28.3 [8.3]	27.8 [8.2]	27.0 [7.9]	26.8 [7.9]	26.3 [7.7]	25.6 [7.5]
		Sens BTUH [kW]	18.7 [5.5]	17.9 [5.2]	16.6 [4.9]	22.0 [6.4]	21.0 [6.2]	19.5 [5.7]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	85 [29.4]	Total BTUH [kW]	29.1 [8.5]	28.6 [8.4]	27.8 [8.1]	27.3 [8.0]	26.8 [7.9]	26.1 [7.6]	25.8 [7.6]	25.4 [7.4]	24.6 [7.2]
		Sens BTUH [kW]	18.1 [5.3]	17.3 [5.1]	16.0 [4.7]	21.4 [6.3]	20.4 [6.0]	18.9 [5.5]	24.1 [7.1]	23.0 [6.8]	21.4 [6.3]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	90 [32.2]	Total BTUH [kW]	28.1 [8.2]	27.6 [8.1]	26.8 [7.9]	26.3 [7.7]	25.8 [7.6]	25.1 [7.4]	24.8 [7.3]	24.4 [7.1]	23.7 [6.9]
		Sens BTUH [kW]	17.5 [5.1]	16.7 [4.9]	15.5 [4.5]	20.8 [6.1]	19.8 [5.8]	18.4 [5.4]	23.5 [6.9]	22.5 [6.6]	20.8 [6.1]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	95 [35]	Total BTUH [kW]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]	25.3 [7.4]	24.9 [7.3]	24.2 [7.1]	23.8 [7.0]	23.4 [6.8]	22.7 [6.7]
		Sens BTUH [kW]	16.9 [5.0]	16.1 [4.7]	15.0 [4.4]	20.2 [5.9]	19.3 [5.6]	17.9 [5.2]	22.9 [6.7]	21.9 [6.4]	20.3 [5.9]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	100 [37.8]	Total BTUH [kW]	26.1 [7.6]	25.6 [7.5]	24.9 [7.3]	24.3 [7.1]	23.9 [7.0]	23.2 [6.8]	22.8 [6.7]	22.4 [6.6]	21.7 [6.4]
		Sens BTUH [kW]	16.3 [4.8]	15.6 [4.6]	14.4 [4.2]	19.6 [5.7]	18.7 [5.5]	17.3 [5.1]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]
		Power	2.0	1.9	1.9	2.0	1.9	1.9	2.0	1.9	1.9
	105 [40.6]	Total BTUH [kW]	25.1 [7.4]	24.6 [7.2]	23.9 [7.0]	23.3 [6.8]	22.9 [6.7]	22.2 [6.5]	21.8 [6.4]	21.4 [6.3]	20.8 [6.1]
		Sens BTUH [kW]	15.7 [4.6]	15.0 [4.4]	13.9 [4.1]	19.0 [5.6]	18.1 [5.3]	16.8 [4.9]	21.7 [6.4]	20.7 [6.1]	19.2 [5.6]
		Power	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	24.1 [7.1]	23.6 [6.9]	23.0 [6.7]	22.3 [6.5]	21.9 [6.4]	21.2 [6.2]	20.7 [6.1]	20.4 [6.0]	19.8 [5.8]
		Sens BTUH [kW]	15.1 [4.4]	14.4 [4.2]	13.4 [3.9]	18.4 [5.4]	17.5 [5.1]	16.3 [4.8]	20.7 [6.1]	20.2 [5.9]	18.7 [5.5]
		Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	115 [46.1]	Total BTUH [kW]	23.1 [6.8]	22.6 [6.6]	22.0 [6.4]	21.2 [6.2]	20.9 [6.1]	20.3 [5.9]	19.7 [5.8]	19.4 [5.7]	18.8 [5.5]
		Sens BTUH [kW]	14.5 [4.3]	13.9 [4.1]	12.9 [3.8]	17.8 [5.2]	17.0 [5.0]	15.7 [4.6]	19.7 [5.8]	19.4 [5.7]	18.2 [5.3]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3
	120 [48.9]	Total BTUH [kW]	22.0 [6.5]	21.6 [6.3]	21.0 [6.2]	20.2 [5.9]	19.9 [5.8]	19.3 [5.7]	18.7 [5.5]	18.4 [5.4]	17.9 [5.2]
		Sens BTUH [kW]	13.9 [4.1]	13.3 [3.9]	12.3 [3.6]	17.2 [5.0]	16.4 [4.8]	15.2 [4.5]	18.7 [5.5]	18.4 [5.4]	17.7 [5.2]
		Power	2.6	2.5	2.5	2.6	2.5	2.5	2.6	2.5	2.5
	125 [51.7]	Total BTUH [kW]	21.0 [6.2]	20.6 [6.0]	20.1 [5.9]	19.2 [5.6]	18.9 [5.5]	18.3 [5.4]	17.7 [5.2]	17.4 [5.1]	16.9 [4.9]
		Sens BTUH [kW]	13.3 [3.9]	12.7 [3.7]	11.8 [3.5]	16.6 [4.9]	15.8 [4.6]	14.7 [4.3]	17.7 [5.2]	17.4 [5.1]	16.9 [4.9]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACA14030A

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]			1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]
DR ①			0.16	0.15	0.11	0.16	0.15	0.11	0.16	0.15	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.0 [10.9]	36.4 [10.7]	35.4 [10.4]	35.0 [10.3]	34.4 [10.1]	33.4 [9.8]	33.2 [9.7]	32.6 [9.6]	31.7 [9.3]
		Sens BTUH [kW]	21.6 [6.3]	20.6 [6.0]	19.2 [5.6]	25.6 [7.5]	24.4 [7.2]	22.7 [6.7]	28.8 [8.4]	27.5 [8.1]	25.6 [7.5]
		Power	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
	80 [26.7]	Total BTUH [kW]	36.0 [10.5]	35.4 [10.4]	34.4 [10.1]	33.9 [9.9]	33.3 [9.8]	32.4 [9.5]	32.2 [9.4]	31.6 [9.3]	30.7 [9.0]
		Sens BTUH [kW]	21.1 [6.2]	20.1 [5.9]	18.7 [5.5]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.3 [8.3]	27.0 [7.9]	25.1 [7.4]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	85 [29.4]	Total BTUH [kW]	34.9 [10.2]	34.3 [10.1]	33.4 [9.8]	32.9 [9.6]	32.3 [9.5]	31.4 [9.2]	31.1 [9.1]	30.6 [9.0]	29.7 [8.7]
		Sens BTUH [kW]	20.6 [6.0]	19.7 [5.8]	18.3 [5.4]	24.6 [7.2]	23.5 [6.9]	21.8 [6.4]	27.8 [8.1]	26.5 [7.8]	24.7 [7.2]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	90 [32.2]	Total BTUH [kW]	33.9 [9.9]	33.3 [9.7]	32.3 [9.5]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	30.0 [8.8]	29.5 [8.6]	28.7 [8.4]
		Sens BTUH [kW]	20.1 [5.9]	19.2 [5.6]	17.8 [5.2]	24.1 [7.1]	23.0 [6.7]	21.4 [6.3]	27.3 [8.0]	26.0 [7.6]	24.2 [7.1]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	95 [35]	Total BTUH [kW]	32.8 [9.6]	32.2 [9.4]	31.3 [9.2]	30.7 [9.0]	30.2 [8.8]	29.3 [8.6]	28.9 [8.5]	28.4 [8.3]	27.6 [8.1]
		Sens BTUH [kW]	19.5 [5.7]	18.6 [5.5]	17.3 [5.1]	23.5 [6.9]	22.5 [6.6]	20.9 [6.1]	26.7 [7.8]	25.5 [7.5]	23.7 [7.0]
		Power	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	100 [37.8]	Total BTUH [kW]	31.6 [9.3]	31.1 [9.1]	30.2 [8.9]	29.6 [8.7]	29.1 [8.5]	28.3 [8.3]	27.8 [8.2]	27.3 [8.0]	26.6 [7.8]
		Sens BTUH [kW]	18.9 [5.5]	18.1 [5.3]	16.8 [4.9]	22.9 [6.7]	21.9 [6.4]	20.4 [6.0]	26.1 [7.7]	25.0 [7.3]	23.2 [6.8]
		Power	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.1
	105 [40.6]	Total BTUH [kW]	30.5 [8.9]	30.0 [8.8]	29.2 [8.5]	28.5 [8.3]	28.0 [8.2]	27.2 [8.0]	26.7 [7.8]	26.2 [7.7]	25.5 [7.5]
		Sens BTUH [kW]	18.3 [5.4]	17.5 [5.1]	16.3 [4.8]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]	25.5 [7.5]	24.4 [7.1]	22.7 [6.6]
		Power	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.2
	110 [43.3]	Total BTUH [kW]	29.4 [8.6]	28.8 [8.5]	28.1 [8.2]	27.3 [8.0]	26.8 [7.9]	26.1 [7.6]	25.5 [7.5]	25.1 [7.4]	24.4 [7.2]
		Sens BTUH [kW]	17.7 [5.2]	16.9 [5.0]	15.7 [4.6]	21.7 [6.4]	20.7 [6.1]	19.3 [5.6]	24.9 [7.3]	23.8 [7.0]	22.1 [6.5]
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	115 [46.1]	Total BTUH [kW]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]	26.1 [7.7]	25.7 [7.5]	25.0 [7.3]	24.4 [7.1]	23.9 [7.0]	23.3 [6.8]
		Sens BTUH [kW]	17.0 [5.0]	16.3 [4.8]	15.1 [4.4]	21.0 [6.2]	20.1 [5.9]	18.7 [5.5]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.5	2.5
	120 [48.9]	Total BTUH [kW]	27.0 [7.9]	26.5 [7.8]	25.8 [7.6]	25.0 [7.3]	24.5 [7.2]	23.9 [7.0]	23.2 [6.8]	22.8 [6.7]	22.2 [6.5]
		Sens BTUH [kW]	16.3 [4.8]	15.6 [4.6]	14.5 [4.3]	20.3 [6.0]	19.4 [5.7]	18.1 [5.3]	23.2 [6.8]	22.5 [6.6]	20.9 [6.1]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	125 [51.7]	Total BTUH [kW]	25.8 [7.6]	25.4 [7.4]	24.7 [7.2]	23.8 [7.0]	23.3 [6.8]	22.7 [6.7]	22.0 [6.4]	21.6 [6.3]	21.0 [6.2]
		Sens BTUH [kW]	15.6 [4.6]	14.9 [4.4]	13.9 [4.1]	19.6 [5.8]	18.8 [5.5]	17.4 [5.1]	22.0 [6.4]	21.6 [6.3]	20.3 [5.9]
		Power	2.9	2.9	2.8	2.9	2.9	2.8	2.9	2.9	2.8

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACA14036A

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]
DR ①			0.23	0.21	0.18	0.23	0.21	0.18	0.23	0.21	0.18
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.3 [13.0]	43.5 [12.8]	42.3 [12.4]	41.4 [12.1]	40.6 [11.9]	39.5 [11.6]	38.3 [11.2]	37.6 [11.0]	36.6 [10.7]
		Sens BTUH [kW]	25.4 [7.4]	24.2 [7.1]	22.5 [6.6]	29.6 [8.7]	28.3 [8.3]	26.3 [7.7]	32.8 [9.6]	31.3 [9.2]	29.1 [8.5]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	80 [26.7]	Total BTUH [kW]	43.0 [12.6]	42.2 [12.4]	41.1 [12.0]	40.0 [11.7]	39.3 [11.5]	38.2 [11.2]	37.0 [10.8]	36.3 [10.6]	35.3 [10.3]
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	28.9 [8.5]	27.6 [8.1]	25.7 [7.5]	32.1 [9.4]	30.7 [9.0]	28.5 [8.4]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	85 [29.4]	Total BTUH [kW]	41.7 [12.2]	40.9 [12.0]	39.8 [11.7]	38.7 [11.3]	38.0 [11.1]	37.0 [10.8]	35.6 [10.4]	35.0 [10.3]	34.0 [10.0]
		Sens BTUH [kW]	24.0 [7.0]	22.9 [6.7]	21.3 [6.2]	28.2 [8.3]	27.0 [7.9]	25.1 [7.3]	31.4 [9.2]	30.0 [8.8]	27.9 [8.2]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	90 [32.2]	Total BTUH [kW]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]	37.3 [10.9]	36.7 [10.7]	35.7 [10.5]	34.3 [10.0]	33.7 [9.9]	32.7 [9.6]
		Sens BTUH [kW]	23.2 [6.8]	22.2 [6.5]	20.7 [6.1]	27.5 [8.1]	26.3 [7.7]	24.4 [7.2]	30.7 [9.0]	29.3 [8.6]	27.3 [8.0]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3
	95 [35]	Total BTUH [kW]	38.9 [11.4]	38.3 [11.2]	37.2 [10.9]	36.0 [10.5]	35.3 [10.4]	34.4 [10.1]	32.9 [9.6]	32.3 [9.5]	31.4 [9.2]
		Sens BTUH [kW]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	26.7 [7.8]	25.5 [7.5]	23.7 [7.0]	29.9 [8.8]	28.6 [8.4]	26.6 [7.8]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	100 [37.8]	Total BTUH [kW]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]	34.6 [10.1]	34.0 [10.0]	33.0 [9.7]	31.5 [9.2]	30.9 [9.1]	30.1 [8.8]
		Sens BTUH [kW]	21.7 [6.4]	20.7 [6.1]	19.3 [5.7]	25.9 [7.6]	24.8 [7.3]	23.0 [6.8]	29.1 [8.5]	27.8 [8.2]	25.9 [7.6]
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.6
	105 [40.6]	Total BTUH [kW]	36.1 [10.6]	35.5 [10.4]	34.5 [10.1]	33.2 [9.7]	32.6 [9.5]	31.7 [9.3]	30.1 [8.8]	29.6 [8.7]	28.7 [8.4]
		Sens BTUH [kW]	20.9 [6.1]	20.0 [5.8]	18.6 [5.4]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]
		Power	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	110 [43.3]	Total BTUH [kW]	34.7 [10.2]	34.1 [10.0]	33.2 [9.7]	31.7 [9.3]	31.2 [9.1]	30.3 [8.9]	28.7 [8.4]	28.2 [8.3]	27.4 [8.0]
		Sens BTUH [kW]	20.1 [5.9]	19.2 [5.6]	17.8 [5.2]	24.3 [7.1]	23.2 [6.8]	21.6 [6.3]	27.5 [8.1]	26.3 [7.7]	24.4 [7.2]
		Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	115 [46.1]	Total BTUH [kW]	33.3 [9.8]	32.7 [9.6]	31.8 [9.3]	30.3 [8.9]	29.8 [8.7]	28.9 [8.5]	27.2 [8.0]	26.7 [7.8]	26.0 [7.6]
		Sens BTUH [kW]	19.2 [5.6]	18.3 [5.4]	17.0 [5.0]	23.4 [6.9]	22.4 [6.6]	20.8 [6.1]	26.6 [7.8]	25.4 [7.5]	23.7 [6.9]
		Power	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1
	120 [48.9]	Total BTUH [kW]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	28.8 [8.5]	28.3 [8.3]	27.5 [8.1]	25.8 [7.5]	25.3 [7.4]	24.6 [7.2]
		Sens BTUH [kW]	18.3 [5.4]	17.5 [5.1]	16.3 [4.8]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	25.7 [7.5]	24.6 [7.2]	22.9 [6.7]
		Power	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	125 [51.7]	Total BTUH [kW]	30.3 [8.9]	29.8 [8.7]	29.0 [8.5]	27.4 [8.0]	26.9 [7.9]	26.1 [7.7]	24.3 [7.1]	23.8 [7.0]	23.2 [6.8]
		Sens BTUH [kW]	17.4 [5.1]	16.6 [4.9]	15.4 [4.5]	21.6 [6.3]	20.7 [6.1]	19.2 [5.6]	24.3 [7.1]	23.7 [6.9]	22.0 [6.5]
		Power	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

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—RACA14042A

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]			1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	
DR ①			0.15	0.14	0.1	0.15	0.14	0.1	0.15	0.14	0.1	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	50.0 [14.7]	49.1 [14.4]	47.7 [14.0]	47.3 [13.9]	46.4 [13.6]	45.1 [13.2]	44.3 [13.0]	43.5 [12.8]	42.3 [12.4]	
		Sens BTUH [kW]	29.2 [8.5]	27.9 [8.2]	25.9 [7.6]	34.3 [10.0]	32.7 [9.6]	30.4 [8.9]	38.5 [11.3]	36.8 [10.8]	34.2 [10.0]	
		Power	2.4	2.4	2.3	2.4	2.3	2.3	2.3	2.3	2.3	
	80 [26.7]	Total BTUH [kW]	48.7 [14.3]	47.9 [14.0]	46.5 [13.6]	46.0 [13.5]	45.2 [13.2]	43.9 [12.9]	43.0 [12.6]	42.3 [12.4]	41.1 [12.0]	
		Sens BTUH [kW]	28.5 [8.4]	27.3 [8.0]	25.3 [7.4]	33.7 [9.9]	32.2 [9.4]	29.8 [8.7]	37.9 [11.1]	36.2 [10.6]	33.6 [9.9]	
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	
	85 [29.4]	Total BTUH [kW]	47.4 [13.9]	46.6 [13.6]	45.2 [13.3]	44.7 [13.1]	43.9 [12.9]	42.6 [12.5]	41.7 [12.2]	41.0 [12.0]	39.8 [11.7]	
		Sens BTUH [kW]	27.9 [8.2]	26.6 [7.8]	24.7 [7.2]	33.0 [9.7]	31.5 [9.2]	29.3 [8.6]	37.2 [10.9]	35.6 [10.4]	33.0 [9.7]	
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	90 [32.2]	Total BTUH [kW]	46.0 [13.5]	45.2 [13.2]	43.9 [12.9]	43.3 [12.7]	42.5 [12.5]	41.3 [12.1]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]	
		Sens BTUH [kW]	27.2 [8.0]	26.0 [7.6]	24.1 [7.1]	32.3 [9.5]	30.8 [9.0]	28.6 [8.4]	36.5 [10.7]	34.9 [10.2]	32.4 [9.5]	
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7	
	95 [35]	Total BTUH [kW]	44.6 [13.1]	43.8 [12.8]	42.6 [12.5]	41.8 [12.3]	41.1 [12.0]	39.9 [11.7]	38.9 [11.4]	38.2 [11.2]	37.1 [10.9]	
		Sens BTUH [kW]	26.4 [7.7]	25.2 [7.4]	23.4 [6.9]	31.5 [9.2]	30.1 [8.8]	27.9 [8.2]	35.8 [10.5]	34.2 [10.0]	31.7 [9.3]	
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	2.9	2.9	
	100 [37.8]	Total BTUH [kW]	43.1 [12.6]	42.3 [12.4]	41.1 [12.1]	40.4 [11.8]	39.6 [11.6]	38.5 [11.3]	37.4 [11.0]	36.7 [10.8]	35.7 [10.5]	
		Sens BTUH [kW]	25.6 [7.5]	24.4 [7.2]	22.7 [6.6]	30.7 [9.0]	29.3 [8.6]	27.2 [8.0]	34.9 [10.2]	33.4 [9.8]	31.0 [9.1]	
		Power	3.2	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1	
	105 [40.6]	Total BTUH [kW]	41.6 [12.2]	40.8 [12.0]	39.7 [11.6]	38.8 [11.4]	38.1 [11.2]	37.1 [10.9]	35.9 [10.5]	35.2 [10.3]	34.3 [10.0]	
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	29.8 [8.7]	28.5 [8.3]	26.4 [7.7]	34.1 [10.0]	32.5 [9.5]	30.2 [8.8]	
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
	110 [43.3]	Total BTUH [kW]	40.0 [11.7]	39.3 [11.5]	38.2 [11.2]	37.2 [10.9]	36.6 [10.7]	35.6 [10.4]	34.3 [10.0]	33.7 [9.9]	32.7 [9.6]	
		Sens BTUH [kW]	23.8 [7.0]	22.7 [6.7]	21.1 [6.2]	28.9 [8.5]	27.6 [8.1]	25.6 [7.5]	33.1 [9.7]	31.6 [9.3]	29.4 [8.6]	
		Power	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
	115 [46.1]	Total BTUH [kW]	38.3 [11.2]	37.7 [11.0]	36.6 [10.7]	35.6 [10.4]	35.0 [10.2]	34.0 [10.0]	32.7 [9.6]	32.1 [9.4]	31.2 [9.1]	
		Sens BTUH [kW]	22.8 [6.7]	21.8 [6.4]	20.2 [5.9]	27.9 [8.2]	26.6 [7.8]	24.7 [7.2]	32.1 [9.4]	30.7 [9.0]	28.5 [8.4]	
		Power	3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7	
	120 [48.9]	Total BTUH [kW]	36.7 [10.7]	36.0 [10.6]	35.0 [10.3]	33.9 [9.9]	33.3 [9.8]	32.4 [9.5]	31.0 [9.1]	30.4 [8.9]	29.6 [8.7]	
		Sens BTUH [kW]	21.7 [6.4]	20.8 [6.1]	19.3 [5.6]	26.8 [7.9]	25.6 [7.5]	23.8 [7.0]	31.0 [9.1]	29.7 [8.7]	27.6 [8.1]	
		Power	4.0	4.0	3.9	4.0	3.9	3.9	4.0	3.9	3.9	
	125 [51.7]	Total BTUH [kW]	34.9 [10.2]	34.3 [10.1]	33.3 [9.8]	32.2 [9.4]	31.6 [9.3]	30.7 [9.0]	29.2 [8.6]	28.7 [8.4]	27.9 [8.2]	
		Sens BTUH [kW]	20.6 [6.1]	19.7 [5.8]	18.3 [5.4]	25.8 [7.5]	24.6 [7.2]	22.8 [6.7]	29.2 [8.6]	28.7 [8.4]	26.6 [7.8]	
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1	

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—RACA14048A

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]			1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]
DR ①			0.21	0.19	0.17	0.21	0.19	0.17	0.21	0.19	0.17
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.8 [17.2]	57.8 [16.9]	56.3 [16.5]	55.4 [16.2]	54.4 [15.9]	53.0 [15.5]	52.6 [15.4]	51.7 [15.1]	50.3 [14.7]
		Sens BTUH [kW]	33.0 [9.7]	31.6 [9.3]	29.4 [8.6]	39.1 [11.5]	37.4 [11.0]	34.8 [10.2]	45.0 [13.2]	43.0 [12.6]	40.1 [11.7]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.7
	80 [26.7]	Total BTUH [kW]	57.1 [16.7]	56.1 [16.4]	54.6 [16.0]	53.6 [15.7]	52.7 [15.4]	51.3 [15.0]	50.8 [14.9]	49.9 [14.6]	48.6 [14.2]
		Sens BTUH [kW]	32.2 [9.4]	30.8 [9.0]	28.7 [8.4]	38.3 [11.2]	36.6 [10.7]	34.1 [10.0]	44.2 [12.9]	42.3 [12.4]	39.3 [11.5]
		Power	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	85 [29.4]	Total BTUH [kW]	55.3 [16.2]	54.4 [15.9]	52.9 [15.5]	51.9 [15.2]	51.0 [14.9]	49.6 [14.5]	49.1 [14.4]	48.2 [14.1]	46.9 [13.7]
		Sens BTUH [kW]	31.4 [9.2]	30.0 [8.8]	27.9 [8.2]	37.4 [11.0]	35.8 [10.5]	33.3 [9.8]	43.3 [12.7]	41.4 [12.1]	38.6 [11.3]
		Power	3.1	3.1	3.0	3.1	3.1	3.0	3.1	3.0	3.0
	90 [32.2]	Total BTUH [kW]	53.6 [15.7]	52.6 [15.4]	51.2 [15.0]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	47.3 [13.9]	46.5 [13.6]	45.2 [13.3]
		Sens BTUH [kW]	30.4 [8.9]	29.1 [8.5]	27.1 [7.9]	36.5 [10.7]	34.9 [10.2]	32.5 [9.5]	42.4 [12.4]	40.6 [11.9]	37.8 [11.1]
		Power	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2	3.2
	95 [35]	Total BTUH [kW]	51.8 [15.2]	50.9 [14.9]	49.5 [14.5]	48.4 [14.2]	47.5 [13.9]	46.3 [13.6]	45.6 [13.4]	44.8 [13.1]	43.6 [12.8]
		Sens BTUH [kW]	29.5 [8.6]	28.2 [8.3]	26.3 [7.7]	35.6 [10.4]	34.0 [10.0]	31.7 [9.3]	41.5 [12.1]	39.7 [11.6]	36.9 [10.8]
		Power	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.4	3.4
	100 [37.8]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	46.6 [13.7]	45.8 [13.4]	44.6 [13.1]	43.8 [12.8]	43.1 [12.6]	41.9 [12.3]
		Sens BTUH [kW]	28.5 [8.4]	27.3 [8.0]	25.4 [7.4]	34.6 [10.1]	33.1 [9.7]	30.8 [9.0]	40.5 [11.9]	38.7 [11.3]	36.0 [10.6]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.6	3.6
	105 [40.6]	Total BTUH [kW]	48.4 [14.2]	47.5 [13.9]	46.2 [13.5]	44.9 [13.2]	44.1 [12.9]	42.9 [12.6]	42.1 [12.3]	41.4 [12.1]	40.3 [11.8]
		Sens BTUH [kW]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]	33.6 [9.8]	32.1 [9.4]	29.9 [8.8]	39.4 [11.6]	37.7 [11.1]	35.1 [10.3]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8
	110 [43.3]	Total BTUH [kW]	46.6 [13.7]	45.8 [13.4]	44.6 [13.1]	43.2 [12.7]	42.4 [12.4]	41.3 [12.1]	40.4 [11.8]	39.7 [11.6]	38.6 [11.3]
		Sens BTUH [kW]	26.4 [7.7]	25.3 [7.4]	23.5 [6.9]	32.5 [9.5]	31.1 [9.1]	28.9 [8.5]	38.4 [11.2]	36.7 [10.8]	34.2 [10.0]
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1
	115 [46.1]	Total BTUH [kW]	44.9 [13.2]	44.1 [12.9]	42.9 [12.6]	41.5 [12.2]	40.8 [11.9]	39.7 [11.6]	38.7 [11.3]	38.0 [11.1]	37.0 [10.8]
		Sens BTUH [kW]	25.3 [7.4]	24.2 [7.1]	22.6 [6.6]	31.4 [9.2]	30.0 [8.8]	28.0 [8.2]	37.3 [10.9]	35.7 [10.5]	33.2 [9.7]
		Power	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4
	120 [48.9]	Total BTUH [kW]	43.2 [12.7]	42.5 [12.4]	41.3 [12.1]	39.8 [11.7]	39.1 [11.4]	38.0 [11.1]	37.0 [10.8]	36.3 [10.6]	35.3 [10.4]
		Sens BTUH [kW]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	30.3 [8.9]	28.9 [8.5]	26.9 [7.9]	36.1 [10.6]	34.6 [10.1]	32.2 [9.4]
		Power	4.8	4.8	4.7	4.8	4.7	4.7	4.7	4.7	4.6
	125 [51.7]	Total BTUH [kW]	41.5 [12.2]	40.8 [12.0]	39.7 [11.6]	38.1 [11.2]	37.4 [11.0]	36.4 [10.7]	35.3 [10.3]	34.6 [10.2]	33.7 [9.9]
		Sens BTUH [kW]	23.0 [6.7]	22.0 [6.4]	20.5 [6.0]	29.1 [8.5]	27.8 [8.2]	25.9 [7.6]	35.0 [10.2]	33.4 [9.8]	31.1 [9.1]
		Power	5.1	5.1	5.0	5.1	5.0	5.0	5.1	5.0	5.0

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—RACA14060A

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]			1870 [883]	1700 [802]	1440 [680]	1870 [883]	1700 [802]	1440 [680]	1870 [883]	1700 [802]	1440 [680]
DR ①			0.14	0.13	0.11	0.14	0.13	0.11	0.14	0.13	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	72.1 [21.1]	70.8 [20.7]	68.8 [20.2]	67.8 [19.9]	66.6 [19.5]	64.7 [19.0]	63.6 [18.6]	62.4 [18.3]	60.7 [17.8]
		Sens BTUH [kW]	40.6 [11.9]	38.8 [11.4]	36.0 [10.6]	47.8 [14.0]	45.7 [13.4]	42.4 [12.4]	54.4 [16.0]	52.0 [15.2]	48.3 [14.2]
		Power	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.4
	80 [26.7]	Total BTUH [kW]	70.3 [20.6]	69.0 [20.2]	67.1 [19.7]	66.0 [19.3]	64.8 [19.0]	63.0 [18.5]	61.8 [18.1]	60.7 [17.8]	59.0 [17.3]
		Sens BTUH [kW]	39.6 [11.6]	37.8 [11.1]	35.1 [10.3]	46.7 [13.7]	44.7 [13.1]	41.5 [12.2]	53.4 [15.6]	51.0 [15.0]	47.4 [13.9]
		Power	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6
	85 [29.4]	Total BTUH [kW]	68.4 [20.0]	67.1 [19.7]	65.3 [19.1]	64.1 [18.8]	62.9 [18.4]	61.2 [17.9]	59.9 [17.5]	58.8 [17.2]	57.2 [16.7]
		Sens BTUH [kW]	38.5 [11.3]	36.8 [10.8]	34.1 [10.0]	45.7 [13.4]	43.6 [12.8]	40.5 [11.9]	52.3 [15.3]	50.0 [14.6]	46.4 [13.6]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8
	90 [32.2]	Total BTUH [kW]	66.4 [19.5]	65.2 [19.1]	63.4 [18.6]	62.1 [18.2]	61.0 [17.9]	59.3 [17.4]	57.9 [17.0]	56.8 [16.7]	55.3 [16.2]
		Sens BTUH [kW]	37.3 [10.9]	35.7 [10.5]	33.1 [9.7]	44.5 [13.1]	42.6 [12.5]	39.5 [11.6]	51.2 [15.0]	48.9 [14.3]	45.4 [13.3]
		Power	4.2	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.0
	95 [35]	Total BTUH [kW]	64.3 [18.8]	63.2 [18.5]	61.4 [18.0]	60.0 [17.6]	58.9 [17.3]	57.3 [16.8]	55.8 [16.4]	54.8 [16.1]	53.3 [15.6]
		Sens BTUH [kW]	36.2 [10.6]	34.6 [10.1]	32.1 [9.4]	43.4 [12.7]	41.4 [12.1]	38.5 [11.3]	50.0 [14.7]	47.8 [14.0]	44.4 [13.0]
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.3	4.3
	100 [37.8]	Total BTUH [kW]	62.1 [18.2]	61.0 [17.9]	59.3 [17.4]	57.9 [17.0]	56.8 [16.7]	55.2 [16.2]	53.6 [15.7]	52.7 [15.4]	51.2 [15.0]
		Sens BTUH [kW]	35.0 [10.3]	33.4 [9.8]	31.0 [9.1]	42.2 [12.4]	40.3 [11.8]	37.4 [11.0]	48.8 [14.3]	46.7 [13.7]	43.3 [12.7]
		Power	4.7	4.7	4.6	4.7	4.6	4.6	4.7	4.6	4.5
	105 [40.6]	Total BTUH [kW]	59.9 [17.5]	58.8 [17.2]	57.2 [16.8]	55.6 [16.3]	54.6 [16.0]	53.1 [15.6]	51.4 [15.1]	50.5 [14.8]	49.1 [14.4]
		Sens BTUH [kW]	33.8 [9.9]	32.3 [9.5]	30.0 [8.8]	41.0 [12.0]	39.1 [11.5]	36.3 [10.6]	47.6 [14.0]	45.5 [13.3]	42.2 [12.4]
		Power	5.0	5.0	4.9	5.0	4.9	4.9	4.9	4.9	4.8
	110 [43.3]	Total BTUH [kW]	57.6 [16.9]	56.5 [16.6]	55.0 [16.1]	53.3 [15.6]	52.3 [15.3]	50.9 [14.9]	49.0 [14.4]	48.2 [14.1]	46.8 [13.7]
		Sens BTUH [kW]	32.5 [9.5]	31.0 [9.1]	28.8 [8.4]	39.7 [11.6]	37.9 [11.1]	35.2 [10.3]	46.3 [13.6]	44.3 [13.0]	41.1 [12.0]
		Power	5.3	5.3	5.2	5.3	5.2	5.2	5.2	5.2	5.1
	115 [46.1]	Total BTUH [kW]	55.1 [16.2]	54.1 [15.9]	52.6 [15.4]	50.8 [14.9]	49.9 [14.6]	48.5 [14.2]	46.6 [13.7]	45.8 [13.4]	44.5 [13.0]
		Sens BTUH [kW]	31.2 [9.1]	29.8 [8.7]	27.7 [8.1]	38.4 [11.2]	36.7 [10.7]	34.0 [10.0]	45.0 [13.2]	43.0 [12.6]	40.0 [11.7]
		Power	5.6	5.6	5.5	5.6	5.5	5.5	5.6	5.5	5.4
	120 [48.9]	Total BTUH [kW]	52.6 [15.4]	51.7 [15.1]	50.2 [14.7]	48.3 [14.2]	47.5 [13.9]	46.1 [13.5]	44.1 [12.9]	43.3 [12.7]	42.1 [12.3]
		Sens BTUH [kW]	29.8 [8.7]	28.5 [8.4]	26.5 [7.8]	37.0 [10.8]	35.4 [10.4]	32.8 [9.6]	43.7 [12.8]	41.7 [12.2]	38.8 [11.4]
		Power	6.0	5.9	5.8	5.9	5.9	5.8	5.9	5.9	5.8
	125 [51.7]	Total BTUH [kW]	50.0 [14.7]	49.1 [14.4]	47.8 [14.0]	45.7 [13.4]	44.9 [13.2]	43.7 [12.8]	41.5 [12.2]	40.8 [11.9]	39.6 [11.6]
		Sens BTUH [kW]	28.5 [8.3]	27.2 [8.0]	25.2 [7.4]	35.6 [10.4]	34.1 [10.0]	31.6 [9.3]	41.5 [12.2]	40.4 [11.8]	37.5 [11.0]
		Power	6.3	6.3	6.2	6.3	6.2	6.2	6.3	6.2	6.1

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—RACA15024A

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]			990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]
DR ①			0.21	0.19	0.15	0.21	0.19	0.15	0.21	0.19	0.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.9 [9.1]	30.4 [8.9]	29.5 [8.7]	29.1 [8.5]	28.6 [8.4]	27.8 [8.1]	27.5 [8.1]	27.0 [7.9]	26.2 [7.7]
		Sens BTUH [kW]	18.7 [5.5]	17.9 [5.2]	16.6 [4.9]	21.9 [6.4]	20.9 [6.1]	19.4 [5.7]	24.6 [7.2]	23.5 [6.9]	21.8 [6.4]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	80 [26.7]	Total BTUH [kW]	30.0 [8.8]	29.4 [8.6]	28.6 [8.4]	28.1 [8.2]	27.6 [8.1]	26.8 [7.9]	26.5 [7.8]	26.0 [7.6]	25.3 [7.4]
		Sens BTUH [kW]	18.2 [5.3]	17.4 [5.1]	16.1 [4.7]	21.4 [6.3]	20.4 [6.0]	18.9 [5.5]	24.0 [7.0]	23.0 [6.7]	21.3 [6.2]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	85 [29.4]	Total BTUH [kW]	29.0 [8.5]	28.5 [8.3]	27.7 [8.1]	27.1 [8.0]	26.7 [7.8]	25.9 [7.6]	25.5 [7.5]	25.1 [7.3]	24.4 [7.1]
		Sens BTUH [kW]	17.6 [5.2]	16.8 [4.9]	15.6 [4.6]	20.8 [6.1]	19.9 [5.8]	18.4 [5.4]	23.5 [6.9]	22.4 [6.6]	20.8 [6.1]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	90 [32.2]	Total BTUH [kW]	28.0 [8.2]	27.5 [8.1]	26.7 [7.8]	26.1 [7.7]	25.7 [7.5]	25.0 [7.3]	24.5 [7.2]	24.1 [7.1]	23.4 [6.9]
		Sens BTUH [kW]	17.0 [5.0]	16.3 [4.8]	15.1 [4.4]	20.2 [5.9]	19.3 [5.7]	17.9 [5.3]	22.9 [6.7]	21.9 [6.4]	20.3 [5.9]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	95 [35]	Total BTUH [kW]	27.0 [7.9]	26.5 [7.8]	25.7 [7.5]	25.1 [7.4]	24.7 [7.2]	24.0 [7.0]	23.5 [6.9]	23.1 [6.8]	22.4 [6.6]
		Sens BTUH [kW]	16.5 [4.8]	15.7 [4.6]	14.6 [4.3]	19.7 [5.8]	18.8 [5.5]	17.4 [5.1]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]
		Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	100 [37.8]	Total BTUH [kW]	25.9 [7.6]	25.5 [7.5]	24.8 [7.3]	24.1 [7.1]	23.7 [6.9]	23.0 [6.7]	22.5 [6.6]	22.1 [6.5]	21.5 [6.3]
		Sens BTUH [kW]	15.9 [4.6]	15.2 [4.4]	14.1 [4.1]	19.1 [5.6]	18.2 [5.3]	16.9 [5.0]	21.7 [6.4]	20.8 [6.1]	19.2 [5.6]
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	1.9	1.9
	105 [40.6]	Total BTUH [kW]	24.9 [7.3]	24.5 [7.2]	23.8 [7.0]	23.1 [6.8]	22.6 [6.6]	22.0 [6.4]	21.4 [6.3]	21.1 [6.2]	20.5 [6.0]
		Sens BTUH [kW]	15.3 [4.5]	14.6 [4.3]	13.5 [4.0]	18.5 [5.4]	17.7 [5.2]	16.4 [4.8]	21.1 [6.2]	20.2 [5.9]	18.7 [5.5]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	23.8 [7.0]	23.4 [6.9]	22.7 [6.7]	22.0 [6.4]	21.6 [6.3]	21.0 [6.1]	20.4 [6.0]	20.0 [5.9]	19.4 [5.7]
		Sens BTUH [kW]	14.7 [4.3]	14.0 [4.1]	13.0 [3.8]	17.9 [5.2]	17.1 [5.0]	15.8 [4.6]	20.4 [6.0]	19.6 [5.7]	18.2 [5.3]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	115 [46.1]	Total BTUH [kW]	22.8 [6.7]	22.3 [6.5]	21.7 [6.4]	20.9 [6.1]	20.5 [6.0]	19.9 [5.8]	19.3 [5.7]	18.9 [5.6]	18.4 [5.4]
		Sens BTUH [kW]	14.1 [4.1]	13.4 [3.9]	12.5 [3.6]	17.3 [5.1]	16.5 [4.8]	15.3 [4.5]	19.3 [5.7]	18.9 [5.6]	17.6 [5.2]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3
	120 [48.9]	Total BTUH [kW]	21.7 [6.3]	21.3 [6.2]	20.7 [6.1]	19.8 [5.8]	19.5 [5.7]	18.9 [5.5]	18.2 [5.3]	17.9 [5.2]	17.4 [5.1]
		Sens BTUH [kW]	13.4 [3.9]	12.8 [3.8]	11.9 [3.5]	16.6 [4.9]	15.9 [4.7]	14.7 [4.3]	18.2 [5.3]	17.9 [5.2]	17.1 [5.0]
		Power	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	125 [51.7]	Total BTUH [kW]	20.5 [6.0]	20.2 [5.9]	19.6 [5.7]	18.7 [5.5]	18.4 [5.4]	17.8 [5.2]	17.1 [5.0]	16.8 [4.9]	16.3 [4.8]
		Sens BTUH [kW]	12.8 [3.8]	12.2 [3.6]	11.3 [3.3]	16.0 [4.7]	15.3 [4.5]	14.2 [4.2]	17.1 [5.0]	16.8 [4.9]	16.3 [4.8]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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—RACA15030A

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]			1070 [505]	975 [460]	830 [392]	1070 [505]	975 [460]	830 [392]	1070 [505]	975 [460]	830 [392]
DR ①			0.16	0.14	0.1	0.16	0.14	0.1	0.16	0.14	0.1
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.8 [10.8]	36.1 [10.6]	35.2 [10.3]	34.3 [10.1]	33.7 [9.9]	32.8 [9.6]	32.4 [9.5]	31.8 [9.3]	31.0 [9.1]
		Sens BTUH [kW]	21.5 [6.3]	20.5 [6.0]	19.1 [5.6]	25.1 [7.4]	24.0 [7.0]	22.4 [6.6]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]
		Power	1.7	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6
	80 [26.7]	Total BTUH [kW]	35.7 [10.5]	35.1 [10.3]	34.2 [10.0]	33.3 [9.7]	32.7 [9.6]	31.8 [9.3]	31.3 [9.2]	30.8 [9.0]	30.0 [8.8]
		Sens BTUH [kW]	21.0 [6.1]	20.1 [5.9]	18.7 [5.5]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	27.8 [8.2]	26.6 [7.8]	24.8 [7.3]
		Power	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	85 [29.4]	Total BTUH [kW]	34.7 [10.2]	34.1 [10.0]	33.2 [9.7]	32.2 [9.4]	31.7 [9.3]	30.8 [9.0]	30.3 [8.9]	29.8 [8.7]	29.0 [8.5]
		Sens BTUH [kW]	20.5 [6.0]	19.6 [5.7]	18.2 [5.3]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	27.4 [8.0]	26.2 [7.7]	24.3 [7.1]
		Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	90 [32.2]	Total BTUH [kW]	33.7 [9.9]	33.1 [9.7]	32.2 [9.4]	31.2 [9.1]	30.6 [9.0]	29.8 [8.7]	29.2 [8.6]	28.7 [8.4]	28.0 [8.2]
		Sens BTUH [kW]	20.0 [5.9]	19.1 [5.6]	17.8 [5.2]	23.6 [6.9]	22.6 [6.6]	21.0 [6.2]	26.8 [7.9]	25.7 [7.5]	23.9 [7.0]
		Power	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	95 [35]	Total BTUH [kW]	32.6 [9.5]	32.0 [9.4]	31.2 [9.1]	30.1 [8.8]	29.6 [8.7]	28.8 [8.4]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]
		Sens BTUH [kW]	19.4 [5.7]	18.6 [5.4]	17.3 [5.1]	23.1 [6.8]	22.1 [6.5]	20.5 [6.0]	26.3 [7.7]	25.1 [7.4]	23.4 [6.9]
		Power	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0
	100 [37.8]	Total BTUH [kW]	31.5 [9.2]	31.0 [9.1]	30.1 [8.8]	29.0 [8.5]	28.5 [8.4]	27.7 [8.1]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]
		Sens BTUH [kW]	18.8 [5.5]	18.0 [5.3]	16.8 [4.9]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	25.7 [7.5]	24.6 [7.2]	22.9 [6.7]
		Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1
	105 [40.6]	Total BTUH [kW]	30.4 [8.9]	29.9 [8.8]	29.1 [8.5]	27.9 [8.2]	27.4 [8.0]	26.7 [7.8]	26.0 [7.6]	25.6 [7.5]	24.9 [7.3]
		Sens BTUH [kW]	18.2 [5.3]	17.4 [5.1]	16.2 [4.8]	21.9 [6.4]	20.9 [6.1]	19.5 [5.7]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	110 [43.3]	Total BTUH [kW]	29.3 [8.6]	28.8 [8.4]	28.0 [8.2]	26.8 [7.9]	26.4 [7.7]	25.6 [7.5]	24.9 [7.3]	24.5 [7.2]	23.8 [7.0]
		Sens BTUH [kW]	17.6 [5.2]	16.8 [4.9]	15.7 [4.6]	21.3 [6.2]	20.3 [6.0]	18.9 [5.5]	24.4 [7.2]	23.4 [6.9]	21.8 [6.4]
		Power	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	115 [46.1]	Total BTUH [kW]	28.2 [8.3]	27.7 [8.1]	27.0 [7.9]	25.7 [7.5]	25.3 [7.4]	24.6 [7.2]	23.8 [7.0]	23.4 [6.8]	22.7 [6.7]
		Sens BTUH [kW]	16.9 [5.0]	16.2 [4.7]	15.1 [4.4]	20.6 [6.0]	19.7 [5.8]	18.3 [5.4]	23.8 [7.0]	22.7 [6.7]	21.2 [6.2]
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.6	2.5
	120 [48.9]	Total BTUH [kW]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]	24.6 [7.2]	24.2 [7.1]	23.5 [6.9]	22.7 [6.6]	22.3 [6.5]	21.7 [6.3]
		Sens BTUH [kW]	16.2 [4.8]	15.5 [4.5]	14.4 [4.2]	19.9 [5.8]	19.0 [5.6]	17.7 [5.2]	22.7 [6.6]	22.1 [6.5]	20.5 [6.0]
		Power	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	125 [51.7]	Total BTUH [kW]	25.9 [7.6]	25.5 [7.5]	24.8 [7.3]	23.4 [6.9]	23.0 [6.7]	22.4 [6.6]	21.5 [6.3]	21.1 [6.2]	20.6 [6.0]
		Sens BTUH [kW]	15.5 [4.5]	14.8 [4.3]	13.8 [4.0]	19.2 [5.6]	18.3 [5.4]	17.1 [5.0]	21.5 [6.3]	21.1 [6.2]	19.9 [5.8]
		Power	2.9	2.9	2.8	2.9	2.9	2.8	2.9	2.9	2.8

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RACA15036A

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]
DR ①			0.19	0.18	0.15	0.19	0.18	0.15	0.19	0.18	0.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.8 [13.1]	44.0 [12.9]	42.8 [12.5]	41.9 [12.3]	41.1 [12.1]	40.0 [11.7]	38.9 [11.4]	38.2 [11.2]	37.2 [10.9]
		Sens BTUH [kW]	26.2 [7.7]	25.0 [7.3]	23.3 [6.8]	30.6 [9.0]	29.2 [8.6]	27.2 [8.0]	33.9 [9.9]	32.4 [9.5]	30.1 [8.8]
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	80 [26.7]	Total BTUH [kW]	43.5 [12.8]	42.7 [12.5]	41.6 [12.2]	40.6 [11.9]	39.9 [11.7]	38.8 [11.4]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]
		Sens BTUH [kW]	25.4 [7.5]	24.3 [7.1]	22.6 [6.6]	29.9 [8.7]	28.5 [8.4]	26.5 [7.8]	33.2 [9.7]	31.7 [9.3]	29.5 [8.6]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	85 [29.4]	Total BTUH [kW]	42.2 [12.4]	41.4 [12.1]	40.3 [11.8]	39.3 [11.5]	38.6 [11.3]	37.5 [11.0]	36.3 [10.6]	35.6 [10.4]	34.6 [10.2]
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	29.1 [8.5]	27.8 [8.1]	25.9 [7.6]	32.4 [9.5]	31.0 [9.1]	28.8 [8.4]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	90 [32.2]	Total BTUH [kW]	40.9 [12.0]	40.1 [11.8]	39.0 [11.4]	37.9 [11.1]	37.2 [10.9]	36.2 [10.6]	34.9 [10.2]	34.3 [10.1]	33.4 [9.8]
		Sens BTUH [kW]	23.9 [7.0]	22.9 [6.7]	21.3 [6.2]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]	31.6 [9.3]	30.2 [8.9]	28.1 [8.2]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.3	2.3
	95 [35]	Total BTUH [kW]	39.5 [11.6]	38.8 [11.4]	37.7 [11.1]	36.6 [10.7]	35.9 [10.5]	34.9 [10.2]	33.6 [9.8]	33.0 [9.7]	32.1 [9.4]
		Sens BTUH [kW]	23.1 [6.8]	22.1 [6.5]	20.6 [6.0]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]	30.9 [9.0]	29.5 [8.6]	27.4 [8.0]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	100 [37.8]	Total BTUH [kW]	38.1 [11.2]	37.5 [11.0]	36.4 [10.7]	35.2 [10.3]	34.6 [10.1]	33.6 [9.9]	32.2 [9.4]	31.6 [9.3]	30.8 [9.0]
		Sens BTUH [kW]	22.3 [6.5]	21.3 [6.3]	19.9 [5.8]	26.7 [7.8]	25.6 [7.5]	23.8 [7.0]	30.1 [8.8]	28.7 [8.4]	26.7 [7.8]
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.6
	105 [40.6]	Total BTUH [kW]	36.8 [10.8]	36.1 [10.6]	35.1 [10.3]	33.8 [9.9]	33.2 [9.7]	32.3 [9.5]	30.8 [9.0]	30.3 [8.9]	29.5 [8.6]
		Sens BTUH [kW]	21.5 [6.3]	20.6 [6.0]	19.1 [5.6]	25.9 [7.6]	24.8 [7.3]	23.0 [6.7]	29.2 [8.6]	27.9 [8.2]	26.0 [7.6]
		Power	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	110 [43.3]	Total BTUH [kW]	35.4 [10.4]	34.7 [10.2]	33.8 [9.9]	32.4 [9.5]	31.9 [9.3]	31.0 [9.1]	29.4 [8.6]	28.9 [8.5]	28.1 [8.2]
		Sens BTUH [kW]	20.7 [6.1]	19.8 [5.8]	18.4 [5.4]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.4 [8.3]	27.1 [8.0]	25.2 [7.4]
		Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	115 [46.1]	Total BTUH [kW]	34.0 [10.0]	33.4 [9.8]	32.4 [9.5]	31.0 [9.1]	30.5 [8.9]	29.6 [8.7]	28.0 [8.2]	27.5 [8.1]	26.8 [7.8]
		Sens BTUH [kW]	19.8 [5.8]	18.9 [5.5]	17.6 [5.2]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]
		Power	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1
	120 [48.9]	Total BTUH [kW]	32.5 [9.5]	32.0 [9.4]	31.1 [9.1]	29.6 [8.7]	29.1 [8.5]	28.3 [8.3]	26.6 [7.8]	26.1 [7.7]	25.4 [7.4]
		Sens BTUH [kW]	18.9 [5.6]	18.1 [5.3]	16.8 [4.9]	23.3 [6.8]	22.3 [6.5]	20.7 [6.1]	26.6 [7.8]	25.5 [7.5]	23.7 [6.9]
		Power	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.3
	125 [51.7]	Total BTUH [kW]	31.1 [9.1]	30.5 [9.0]	29.7 [8.7]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]	25.2 [7.4]	24.7 [7.2]	24.1 [7.0]
		Sens BTUH [kW]	18.0 [5.3]	17.2 [5.1]	16.0 [4.7]	22.4 [6.6]	21.4 [6.3]	19.9 [5.8]	25.2 [7.4]	24.6 [7.2]	22.9 [6.7]
		Power	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5

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—RACA15042A

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]			1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	
DR ①			0.17	0.16	0.13	0.17	0.16	0.13	0.17	0.16	0.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.8 [14.0]	47.2 [13.8]	46.4 [13.6]	45.1 [13.2]	44.7 [13.1]	43.9 [12.9]	42.7 [12.5]	
		Sens BTUH [kW]	28.6 [8.4]	27.3 [8.0]	25.3 [7.4]	33.9 [9.9]	32.4 [9.5]	30.0 [8.8]	38.8 [11.4]	37.1 [10.9]	34.4 [10.1]	
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	
	80 [26.7]	Total BTUH [kW]	48.8 [14.3]	47.9 [14.0]	46.6 [13.6]	45.9 [13.5]	45.1 [13.2]	43.8 [12.8]	43.4 [12.7]	42.6 [12.5]	41.5 [12.1]	
		Sens BTUH [kW]	27.9 [8.2]	26.7 [7.8]	24.8 [7.3]	33.2 [9.7]	31.8 [9.3]	29.5 [8.6]	38.1 [11.2]	36.4 [10.7]	33.8 [9.9]	
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	
	85 [29.4]	Total BTUH [kW]	47.4 [13.9]	46.6 [13.7]	45.3 [13.3]	44.6 [13.1]	43.8 [12.8]	42.6 [12.5]	42.1 [12.3]	41.3 [12.1]	40.2 [11.8]	
		Sens BTUH [kW]	27.2 [8.0]	26.0 [7.6]	24.2 [7.1]	32.6 [9.5]	31.1 [9.1]	28.9 [8.5]	37.5 [11.0]	35.8 [10.5]	33.2 [9.7]	
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	90 [32.2]	Total BTUH [kW]	46.1 [13.5]	45.3 [13.3]	44.0 [12.9]	43.2 [12.7]	42.5 [12.4]	41.3 [12.1]	40.7 [11.9]	40.0 [11.7]	38.9 [11.4]	
		Sens BTUH [kW]	26.5 [7.8]	25.3 [7.4]	23.5 [6.9]	31.8 [9.3]	30.4 [8.9]	28.2 [8.3]	36.8 [10.8]	35.1 [10.3]	32.6 [9.6]	
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7	
	95 [35]	Total BTUH [kW]	44.7 [13.1]	43.9 [12.9]	42.7 [12.5]	41.8 [12.3]	41.1 [12.0]	39.9 [11.7]	39.3 [11.5]	38.6 [11.3]	37.5 [11.0]	
		Sens BTUH [kW]	25.8 [7.6]	24.6 [7.2]	22.9 [6.7]	31.1 [9.1]	29.7 [8.7]	27.6 [8.1]	36.0 [10.5]	34.4 [10.1]	31.9 [9.4]	
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	2.9	2.9	
	100 [37.8]	Total BTUH [kW]	43.3 [12.7]	42.5 [12.4]	41.3 [12.1]	40.4 [11.8]	39.7 [11.6]	38.6 [11.3]	37.9 [11.1]	37.2 [10.9]	36.2 [10.6]	
		Sens BTUH [kW]	25.0 [7.3]	23.9 [7.0]	22.1 [6.5]	30.3 [8.9]	28.9 [8.5]	26.9 [7.9]	35.2 [10.3]	33.6 [9.9]	31.2 [9.1]	
		Power	3.2	3.2	3.1	3.2	3.1	3.1	3.2	3.1	3.1	
	105 [40.6]	Total BTUH [kW]	41.8 [12.2]	41.0 [12.0]	39.9 [11.7]	38.9 [11.4]	38.2 [11.2]	37.2 [10.9]	36.4 [10.7]	35.8 [10.5]	34.8 [10.2]	
		Sens BTUH [kW]	24.1 [7.1]	23.1 [6.8]	21.4 [6.3]	29.4 [8.6]	28.1 [8.2]	26.1 [7.7]	34.4 [10.1]	32.8 [9.6]	30.5 [8.9]	
		Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.3	
	110 [43.3]	Total BTUH [kW]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]	37.4 [11.0]	36.8 [10.8]	35.7 [10.5]	34.9 [10.2]	34.3 [10.1]	33.3 [9.8]	
		Sens BTUH [kW]	23.3 [6.8]	22.2 [6.5]	20.6 [6.0]	28.6 [8.4]	27.3 [8.0]	25.3 [7.4]	33.5 [9.8]	32.0 [9.4]	29.7 [8.7]	
		Power	3.6	3.6	3.5	3.6	3.5	3.5	3.6	3.5	3.5	
	115 [46.1]	Total BTUH [kW]	38.7 [11.4]	38.0 [11.1]	37.0 [10.8]	35.9 [10.5]	35.3 [10.3]	34.3 [10.0]	33.4 [9.8]	32.8 [9.6]	31.9 [9.3]	
		Sens BTUH [kW]	22.3 [6.5]	21.4 [6.3]	19.8 [5.8]	27.7 [8.1]	26.4 [7.7]	24.5 [7.2]	32.6 [9.5]	31.1 [9.1]	28.9 [8.5]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7	
	120 [48.9]	Total BTUH [kW]	37.2 [10.9]	36.5 [10.7]	35.5 [10.4]	34.3 [10.1]	33.7 [9.9]	32.8 [9.6]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	
		Sens BTUH [kW]	21.4 [6.3]	20.4 [6.0]	19.0 [5.6]	26.7 [7.8]	25.5 [7.5]	23.7 [6.9]	31.6 [9.3]	30.2 [8.9]	28.0 [8.2]	
		Power	4.0	4.0	3.9	4.0	4.0	3.9	4.0	4.0	3.9	
	125 [51.7]	Total BTUH [kW]	35.6 [10.4]	34.9 [10.2]	33.9 [9.9]	32.7 [9.6]	32.1 [9.4]	31.2 [9.2]	30.2 [8.8]	29.7 [8.7]	28.8 [8.4]	
		Sens BTUH [kW]	20.4 [6.0]	19.5 [5.7]	18.1 [5.3]	25.7 [7.5]	24.6 [7.2]	22.8 [6.7]	30.2 [8.8]	29.3 [8.6]	27.2 [8.0]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.1	

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—RACA15048A

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]			1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]
DR ①			0.19	0.18	0.15	0.19	0.18	0.15	0.19	0.18	0.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.3 [17.1]	57.3 [16.8]	55.8 [16.3]	54.6 [16.0]	53.7 [15.7]	52.2 [15.3]	51.6 [15.1]	50.7 [14.9]	49.3 [14.5]
		Sens BTUH [kW]	33.2 [9.7]	31.8 [9.3]	29.6 [8.7]	39.2 [11.5]	37.5 [11.0]	34.9 [10.2]	44.7 [13.1]	42.8 [12.5]	39.8 [11.7]
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.6
	80 [26.7]	Total BTUH [kW]	56.8 [16.7]	55.8 [16.4]	54.3 [15.9]	53.1 [15.6]	52.2 [15.3]	50.8 [14.9]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]
		Sens BTUH [kW]	32.5 [9.5]	31.1 [9.1]	28.9 [8.5]	38.5 [11.3]	36.8 [10.8]	34.3 [10.0]	44.0 [12.9]	42.1 [12.3]	39.2 [11.5]
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7
	85 [29.4]	Total BTUH [kW]	55.3 [16.2]	54.3 [15.9]	52.8 [15.5]	51.5 [15.1]	50.6 [14.8]	49.3 [14.4]	48.5 [14.2]	47.7 [14.0]	46.4 [13.6]
		Sens BTUH [kW]	31.7 [9.3]	30.3 [8.9]	28.2 [8.3]	37.7 [11.0]	36.0 [10.6]	33.6 [9.8]	43.2 [12.7]	41.3 [12.1]	38.4 [11.3]
		Power	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	90 [32.2]	Total BTUH [kW]	53.6 [15.7]	52.7 [15.4]	51.3 [15.0]	49.9 [14.6]	49.0 [14.4]	47.7 [14.0]	46.9 [13.7]	46.1 [13.5]	44.8 [13.1]
		Sens BTUH [kW]	30.8 [9.0]	29.5 [8.6]	27.4 [8.0]	36.8 [10.8]	35.2 [10.3]	32.8 [9.6]	42.3 [12.4]	40.5 [11.9]	37.7 [11.0]
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.0
	95 [35]	Total BTUH [kW]	51.9 [15.2]	51.0 [14.9]	49.6 [14.5]	48.2 [14.1]	47.3 [13.9]	46.1 [13.5]	45.2 [13.2]	44.4 [13.0]	43.2 [12.7]
		Sens BTUH [kW]	29.9 [8.8]	28.6 [8.4]	26.6 [7.8]	35.9 [10.5]	34.3 [10.1]	32.0 [9.4]	41.4 [12.1]	39.6 [11.6]	36.8 [10.8]
		Power	3.3	3.3	3.2	3.3	3.3	3.2	3.3	3.3	3.2
	100 [37.8]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	46.4 [13.6]	45.6 [13.4]	44.3 [13.0]	43.4 [12.7]	42.6 [12.5]	41.5 [12.2]
		Sens BTUH [kW]	28.9 [8.5]	27.6 [8.1]	25.7 [7.5]	34.9 [10.2]	33.4 [9.8]	31.1 [9.1]	40.4 [11.8]	38.6 [11.3]	36.0 [10.5]
		Power	3.5	3.5	3.4	3.5	3.5	3.4	3.5	3.4	3.4
	105 [40.6]	Total BTUH [kW]	48.2 [14.1]	47.4 [13.9]	46.1 [13.5]	44.5 [13.0]	43.7 [12.8]	42.6 [12.5]	41.5 [12.2]	40.8 [12.0]	39.7 [11.6]
		Sens BTUH [kW]	27.8 [8.2]	26.6 [7.8]	24.8 [7.3]	33.8 [9.9]	32.4 [9.5]	30.1 [8.8]	39.3 [11.5]	37.6 [11.0]	35.0 [10.3]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.7	3.6
	110 [43.3]	Total BTUH [kW]	46.3 [13.6]	45.5 [13.3]	44.3 [13.0]	42.6 [12.5]	41.9 [12.3]	40.7 [11.9]	39.6 [11.6]	38.9 [11.4]	37.9 [11.1]
		Sens BTUH [kW]	26.7 [7.8]	25.6 [7.5]	23.8 [7.0]	32.7 [9.6]	31.3 [9.2]	29.1 [8.5]	38.2 [11.2]	36.6 [10.7]	34.0 [10.0]
		Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8
	115 [46.1]	Total BTUH [kW]	44.3 [13.0]	43.5 [12.8]	42.4 [12.4]	40.6 [11.9]	39.9 [11.7]	38.8 [11.4]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]
		Sens BTUH [kW]	25.5 [7.5]	24.4 [7.2]	22.7 [6.7]	31.6 [9.2]	30.2 [8.8]	28.1 [8.2]	37.1 [10.9]	35.5 [10.4]	33.0 [9.7]
		Power	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.1	4.1
	120 [48.9]	Total BTUH [kW]	42.2 [12.4]	41.5 [12.2]	40.4 [11.8]	38.5 [11.3]	37.9 [11.1]	36.8 [10.8]	35.5 [10.4]	34.9 [10.2]	34.0 [10.0]
		Sens BTUH [kW]	24.3 [7.1]	23.3 [6.8]	21.7 [6.3]	30.3 [8.9]	29.0 [8.5]	27.0 [7.9]	35.5 [10.4]	34.3 [10.0]	31.9 [9.3]
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.4	4.3
	125 [51.7]	Total BTUH [kW]	40.1 [11.8]	39.4 [11.5]	38.3 [11.2]	36.4 [10.7]	35.7 [10.5]	34.8 [10.2]	33.4 [9.8]	32.8 [9.6]	31.9 [9.4]
		Sens BTUH [kW]	23.0 [6.7]	22.0 [6.5]	20.5 [6.0]	29.0 [8.5]	27.8 [8.1]	25.9 [7.6]	33.4 [9.8]	32.8 [9.6]	30.8 [9.0]
		Power	4.7	4.7	4.6	4.7	4.6	4.6	4.7	4.6	4.6

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—RACA15060A

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]			2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]
DR ①			0.15	0.14	0.11	0.15	0.14	0.11	0.15	0.14	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	73.0 [21.4]	71.7 [21.0]	69.7 [20.4]	69.2 [20.3]	67.9 [19.9]	66.0 [19.3]	65.8 [19.3]	64.6 [18.9]	62.8 [18.4]
		Sens BTUH [kW]	42.4 [12.4]	40.5 [11.9]	37.6 [11.0]	50.0 [14.6]	47.7 [14.0]	44.3 [13.0]	56.9 [16.7]	54.3 [15.9]	50.5 [14.8]
		Power	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.4
	80 [26.7]	Total BTUH [kW]	70.9 [20.8]	69.6 [20.4]	67.7 [19.8]	67.1 [19.6]	65.8 [19.3]	64.0 [18.8]	63.7 [18.7]	62.5 [18.3]	60.8 [17.8]
		Sens BTUH [kW]	41.3 [12.1]	39.4 [11.6]	36.6 [10.7]	48.8 [14.3]	46.6 [13.7]	43.3 [12.7]	55.8 [16.4]	53.2 [15.6]	49.5 [14.5]
		Power	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.6
	85 [29.4]	Total BTUH [kW]	68.8 [20.2]	67.6 [19.8]	65.7 [19.3]	64.9 [19.0]	63.7 [18.7]	62.0 [18.2]	61.5 [18.0]	60.4 [17.7]	58.8 [17.2]
		Sens BTUH [kW]	40.1 [11.8]	38.3 [11.2]	35.6 [10.4]	47.7 [14.0]	45.5 [13.3]	42.3 [12.4]	54.6 [16.0]	52.1 [15.3]	48.5 [14.2]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8
	90 [32.2]	Total BTUH [kW]	66.7 [19.5]	65.4 [19.2]	63.6 [18.6]	62.8 [18.4]	61.6 [18.1]	59.9 [17.6]	59.4 [17.4]	58.3 [17.1]	56.7 [16.6]
		Sens BTUH [kW]	38.9 [11.4]	37.2 [10.9]	34.5 [10.1]	46.5 [13.6]	44.3 [13.0]	41.2 [12.1]	53.4 [15.7]	51.0 [14.9]	47.4 [13.9]
		Power	4.2	4.1	4.1	4.1	4.1	4.0	4.1	4.0	4.0
	95 [35]	Total BTUH [kW]	64.5 [18.9]	63.3 [18.5]	61.5 [18.0]	60.6 [17.7]	59.5 [17.4]	57.8 [16.9]	57.2 [16.8]	56.1 [16.5]	54.6 [16.0]
		Sens BTUH [kW]	37.7 [11.0]	36.0 [10.5]	33.4 [9.8]	45.2 [13.3]	43.2 [12.6]	40.1 [11.8]	52.2 [15.3]	49.8 [14.6]	46.3 [13.6]
		Power	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.3	4.2
	100 [37.8]	Total BTUH [kW]	62.2 [18.2]	61.1 [17.9]	59.4 [17.4]	58.3 [17.1]	57.3 [16.8]	55.7 [16.3]	55.0 [16.1]	54.0 [15.8]	52.5 [15.4]
		Sens BTUH [kW]	36.4 [10.7]	34.7 [10.2]	32.3 [9.5]	43.9 [12.9]	41.9 [12.3]	39.0 [11.4]	50.9 [14.9]	48.6 [14.2]	45.1 [13.2]
		Power	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.5	4.4
	105 [40.6]	Total BTUH [kW]	60.0 [17.6]	58.9 [17.3]	57.3 [16.8]	56.1 [16.4]	55.1 [16.1]	53.5 [15.7]	52.7 [15.4]	51.8 [15.2]	50.3 [14.7]
		Sens BTUH [kW]	35.1 [10.3]	33.5 [9.8]	31.1 [9.1]	42.6 [12.5]	40.7 [11.9]	37.8 [11.1]	49.6 [14.5]	47.3 [13.9]	44.0 [12.9]
		Power	4.9	4.8	4.8	4.8	4.8	4.7	4.8	4.8	4.7
	110 [43.3]	Total BTUH [kW]	57.7 [16.9]	56.6 [16.6]	55.1 [16.1]	53.8 [15.8]	52.8 [15.5]	51.4 [15.1]	50.4 [14.8]	49.5 [14.5]	48.1 [14.1]
		Sens BTUH [kW]	33.7 [9.9]	32.2 [9.4]	29.9 [8.8]	41.2 [12.1]	39.3 [11.5]	36.6 [10.7]	48.2 [14.1]	46.0 [13.5]	42.7 [12.5]
		Power	5.2	5.1	5.0	5.1	5.1	5.0	5.1	5.0	5.0
	115 [46.1]	Total BTUH [kW]	55.4 [16.2]	54.4 [15.9]	52.9 [15.5]	51.5 [15.1]	50.5 [14.8]	49.2 [14.4]	48.1 [14.1]	47.2 [13.8]	45.9 [13.5]
		Sens BTUH [kW]	32.3 [9.5]	30.8 [9.0]	28.6 [8.4]	39.8 [11.7]	38.0 [11.1]	35.3 [10.3]	46.8 [13.7]	44.6 [13.1]	41.5 [12.2]
		Power	5.4	5.4	5.3	5.4	5.4	5.3	5.4	5.3	5.2
	120 [48.9]	Total BTUH [kW]	53.0 [15.5]	52.1 [15.3]	50.6 [14.8]	49.1 [14.4]	48.2 [14.1]	46.9 [13.7]	45.8 [13.4]	44.9 [13.2]	43.7 [12.8]
		Sens BTUH [kW]	30.8 [9.0]	29.4 [8.6]	27.3 [8.0]	38.4 [11.2]	36.6 [10.7]	34.0 [10.0]	45.3 [13.3]	43.2 [12.7]	40.2 [11.8]
		Power	5.8	5.7	5.6	5.7	5.7	5.6	5.7	5.6	5.5
	125 [51.7]	Total BTUH [kW]	50.7 [14.8]	49.7 [14.6]	48.4 [14.2]	46.8 [13.7]	45.9 [13.5]	44.6 [13.1]	43.4 [12.7]	42.6 [12.5]	41.4 [12.1]
		Sens BTUH [kW]	29.3 [8.6]	28.0 [8.2]	26.0 [7.6]	36.9 [10.8]	35.2 [10.3]	32.7 [9.6]	43.4 [12.7]	41.8 [12.3]	38.9 [11.4]
		Power	6.1	6.0	6.0	6.0	6.0	5.9	6.0	6.0	5.9

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 RACA14 - 230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	High	High	700 CFM / 950 CFM	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM	822 [388]	789 [372]	750 [354]	696 [328]	624 [294]	496 [234]	402 [190]			
						RPM	917	954	994	1031	1051	1075	1105			
						Watts	226	216	203	188	175	150	136			
					High	CFM	992 [468]	928 [438]	873 [412]	810 [382]	741 [350]	659 [311]	490 [231]			
						RPM	1055	1068	1080	1096	1106	1119	1136			
						Watts	271	256	245	227	214	199	175			
2.5 [8.79]	Low	Low	850 CFM / 1150 CFM	10x9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM	1093 [516]	1062 [501]	1001 [472]	930 [439]	815 [385]	728 [344]	663 [313]	571 [269]		
						RPM	900	935	969	999	1030	1053	1064	1082		
						Watts	375	358	335	313	283	264	249	229		
					Med	CFM	1239 [585]	1184 [559]	1114 [526]	1043 [492]	959 [453]	827 [390]	744 [351]	657 [310]		
						RPM	961	983	1006	1030	1052	1074	1084	1097		
						Watts	429	409	384	360	334	303	287	266		
					High	CFM	1362 [643]	1292 [610]	1213 [572]	1133 [535]	1027 [485]	872 [412]	800 [378]	700 [330]		
						RPM	1049	1061	1073	1085	1097	1109	1116	1124		
						Watts	500	472	454	427	405	371	360	339		
3.0 [10.55]	Low	Low	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 2 Speed (PSC Motor)	Low	CFM	1310 [618]	1246 [588]	1186 [560]	1128 [532]	1038 [490]	955 [451]	847 [400]	738 [348]		
						RPM	834	867	895	918	949	971	989	1019		
						Watts	460	447	435	424	407	396	380	362		
					High	CFM	1644 [776]	1568 [740]	1488 [702]	1421 [671]	1330 [628]	1248 [589]	1133 [535]	1003 [473]		
						RPM	981	996	1009	1421	1330	1248	1058	1072		
						Watts	664	641	620	1421	1330	1248	545	526		
3.5 [12.31]	Tap 3	Tap 3	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
						RPM	827	856	874	913	949	983	1013	1048	1092	1127
						Watts	298	308	313	325	341	352	361	374	387	402
					Tap 2 Medium	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
						RPM	827	856	874	913	949	983	1013	1048	1092	1127
						Watts	298	308	313	325	341	352	361	374	387	402
					Tap 3 High	CFM	1591 [751]	1563 [738]	1558 [735]	1519 [717]	1490 [703]	1458 [688]	1410 [665]	1363 [643]	1277 [603]	1122 [530]
						RPM	949	981	999	1027	1051	1086	1109	1129	1140	1158
						Watts	476	490	501	515	527	542	546	543	522	478

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

.[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA14 - 230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
4.0 [14.07]	Tap 3	Tap 3	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1467 [692]	1448 [683]	1404 [663]	1373 [648]	1339 [632]	1306 [616]	1250 [590]	1210 [571]	1164 [549]	1087 [513]
						RPM	826	855	884	910	939	969	1003	1030	1067	1108
						Watts	328	344	348	363	379	387	398	408	418	434
					Tap 2 Medium	CFM	1634 [771]	1595 [753]	1547 [730]	1530 [722]	1487 [702]	1462 [690]	1438 [679]	1378 [650]	1352 [638]	1298 [613]
						RPM	894	923	950	981	1000	1030	1051	1079	1106	1126
						Watts	432	446	451	468	479	490	508	510	520	520
					Tap 3 High	CFM	1941 [916]	1915 [904]	1878 [886]	1814 [856]	1773 [837]	1709 [807]	1655 [781]	1570 [741]	1488 [702]	1374 [648]
						RPM	1028	1047	1068	1091	1104	1113	1124	1136	1142	1147
						Watts	708	725	729	727	717	696	673	647	618	571
5.0 [17.59]	Tap 3	Tap 3	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1768 [834]	1730 [816]	1693 [799]	1626 [767]	1599 [755]	1558 [735]	1522 [718]	1503 [709]	1444 [681]	1399 [660]
						RPM	938	959	983	1011	1025	1052	1089	1090	1117	1134
						Watts	520	533	541	560	563	578	599	599	605	615
					Tap 2 Medium	CFM	1926 [909]	1890 [892]	1864 [880]	1822 [860]	1794 [847]	1758 [830]	1710 [807]	1670 [788]	1579 [745]	1493 [705]
						RPM	999	1014	1040	1061	1079	1096	1119	1128	1138	1144
						Watts	654	660	674	688	699	708	714	705	683	661
					Tap 3 High	CFM	2096 [989]	2057 [971]	2003 [945]	1951 [921]	1890 [892]	1819 [858]	1756 [829]	1686 [796]	1610 [760]	1498 [707]
						RPM	1069	1092	1106	1116	1121	1129	1138	1140	1148	1154
						Watts	829	846	840	822	807	782	768	730	708	679

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA14 - 208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	High	High	700 CFM / 950 CFM	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM	706 [333]	685 [323]	661 [312]	614 [290]	523 [247]	437 [206]	334 [158]			
						RPM	844	886	943	989	1036	1067	1095			
						Watts	202	193	182	169	151	135	120			
					High	CFM	925 [437]	874 [412]	813 [384]	763 [360]	681 [321]	534 [252]	441 [208]			
						RPM	1004	1027	1058	1070	1091	1116	1128			
						Watts	253	238	220	210	192	167	155			
2.5 [8.79]	Low	Low	850 CFM / 1150 CFM	10x9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM	967 [456]	947 [447]	892 [421]	813 [384]	740 [349]	681 [321]	613 [289]	504 [238]		
						RPM	819	876	916	966	995	1018	1040	1066		
						Watts	339	322	302	279	261	246	230	205		
					Med	CFM	1119 [528]	1081 [510]	1029 [486]	968 [457]	851 [402]	774 [365]	699 [330]	613 [289]		
						RPM	891	930	965	995	1026	1047	1059	1078		
						Watts	391	375	354	330	297	278	263	241		
					High	CFM	1311 [619]	1249 [589]	1168 [551]	1089 [514]	985 [465]	861 [406]	779 [368]	699 [330]		
						RPM	1010	1031	1046	1066	1080	1095	1106	1113		
						Watts	458	437	409	387	360	332	314	300		
3.0 [10.55]	Low	Low	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 2 Speed (PSC Motor)	Low	CFM	1163 [549]	1115 [526]	1075 [507]	1012 [478]	926 [437]	841 [397]	753 [355]	647 [305]		
						RPM	771	804	844	870	910	932	968	992		
						Watts	392	387	380	367	356	345	330	316		
					High	CFM	1543 [728]	1484 [700]	1422 [671]	1345 [635]	1251 [590]	1177 [555]	1071 [505]	939 [443]		
						RPM	939	957	975	1345	1251	1177	1037	1051		
						Watts	586	572	555	1345	1251	1177	481	459		
3.5 [12.31]	Tap 3	Tap 3	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1346 [635]	1304 [615]	1264 [597]	1232 [581]	1185 [559]	1139 [538]	1092 [515]	1048 [495]	993 [469]	908 [429]
						RPM	819	850	883	906	944	972	1014	1047	1083	1122
						Watts	291	302	310	319	333	338	353	362	374	389
					Tap 2 Medium	CFM	1346 [635]	1304 [615]	1264 [597]	1232 [581]	1185 [559]	1139 [538]	1092 [515]	1048 [495]	993 [469]	908 [429]
						RPM	819	850	883	906	944	972	1014	1047	1083	1122
						Watts	291	302	310	319	333	338	353	362	374	389
					Tap 3 High	CFM	1596 [753]	1547 [730]	1520 [717]	1499 [707]	1471 [694]	1421 [671]	1383 [653]	1332 [629]	1262 [596]	1085 [512]
						RPM	940	973	988	1020	1038	1068	1102	1122	1136	1154
						Watts	461	475	484	497	503	516	527	531	505	458

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

.[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA14 - 208 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
4.0 [14.07]	Tap 3	Tap 3	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1474 [696]	1431 [675]	1394 [658]	1355 [639]	1327 [626]	1284 [606]	1243 [587]	1198 [565]	1134 [535]	1057 [499]
						RPM	819	852	878	907	936	961	993	1024	1064	1101
						Watts	324	334	340	355	366	374	382	396	410	422
					Tap 2 Medium	CFM	1617 [763]	1585 [748]	1547 [730]	1512 [714]	1486 [701]	1449 [684]	1430 [675]	1355 [639]	1337 [631]	1280 [604]
						RPM	891	917	940	965	992	1015	1046	1080	1098	1123
						Watts	422	433	440	451	463	475	482	496	506	507
					Tap 3 High	CFM	1906 [900]	1876 [885]	1839 [868]	1807 [853]	1756 [829]	1697 [801]	1642 [775]	1555 [734]	1482 [699]	1372 [648]
						RPM	1021	1043	1064	1079	1097	1110	1123	1128	1140	1145
						Watts	679	699	694	707	698	686	671	635	610	566
5.0 [17.59]	Tap 3	Tap 3	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1738 [820]	1680 [793]	1663 [785]	1626 [767]	1603 [757]	1554 [733]	1503 [709]	1445 [682]	1432 [676]	1386 [654]
						RPM	933	969	979	1001	1021	1045	1066	1100	1104	1125
						Watts	505	526	529	541	545	562	567	585	586	593
					Tap 2 Medium	CFM	1884 [889]	1882 [888]	1841 [869]	1801 [850]	1760 [831]	1680 [793]	1651 [779]	1584 [748]	1508 [712]	1428 [674]
						RPM	999	1014	1048	1064	1072	1105	1121	1131	1142	1147
						Watts	636	646	661	672	675	688	686	678	662	635
					Tap 3 High	CFM	2081 [982]	1969 [929]	2001 [944]	1960 [925]	1896 [895]	1818 [858]	1764 [833]	1664 [785]	1593 [752]	1499 [707]
						RPM	1050	1102	1095	1104	1115	1126	1130	1140	1143	1147
						Watts	790	815	819	813	793	772	749	725	699	663

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA15 - 460 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Tap 3	Tap 3	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1108 [523]	1081 [510]	1040 [491]	951 [449]	916 [432]	857 [404]	776 [366]	722 [341]		
						RPM	713	752	796	845	873	920	966	1001		
						Watts	188	199	213	222	229	241	252	261		
					Tap 2 Medium	CFM	1163 [549]	1144 [540]	1086 [513]	1073 [506]	987 [466]	927 [437]	870 [411]	819 [387]		
						RPM	749	761	810	836	887	920	964	1005		
						Watts	202	205	217	230	248	248	266	271		
					Tap 3 High	CFM	1435 [677]	1405 [663]	1378 [650]	1349 [637]	1309 [618]	1266 [597]	1233 [582]	1193 [563]	1134 [535]	1066 [503]
						RPM	844	867	892	927	961	991	1022	1052	1101	1130
						Watts	337	340	358	368	390	389	409	411	438	446
3.5 [12.31]	Tap 3	Tap 3	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1362 [643]	1327 [626]	1294 [611]	1267 [598]	1207 [570]	1151 [543]	1131 [534]	1085 [512]	1022 [482]	956 [451]
						RPM	794	833	872	897	948	976	1005	1038	1078	1112
						Watts	287	295	317	317	331	351	361	365	370	399
					Tap 2 Medium	CFM	1362 [643]	1327 [626]	1294 [611]	1267 [598]	1207 [570]	1151 [543]	1131 [534]	1085 [512]	1022 [482]	956 [451]
						RPM	794	833	872	897	948	976	1005	1038	1078	1112
						Watts	287	295	317	317	331	351	361	365	370	399
					Tap 3 High	CFM	1643 [775]	1609 [759]	1580 [746]	1560 [736]	1511 [713]	1494 [705]	1443 [681]	1404 [663]	1335 [630]	1244 [587]
						RPM	927	954	986	1001	1035	1052	1083	1111	1122	1133
						Watts	461	475	490	506	518	528	535	548	530	502
4.0 [14.07]	Tap 3	Tap 3	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1467 [692]	1448 [683]	1404 [663]	1373 [648]	1339 [632]	1306 [616]	1250 [590]	1210 [571]	1164 [549]	1087 [513]
						RPM	826	855	884	910	939	969	1003	1030	1067	1108
						Watts	328	344	348	363	379	387	398	408	418	434
					Tap 2 Medium	CFM	1634 [771]	1595 [753]	1547 [730]	1530 [722]	1487 [702]	1462 [690]	1438 [679]	1378 [650]	1352 [638]	1298 [613]
						RPM	894	923	950	981	1000	1030	1051	1079	1106	1126
						Watts	432	446	451	468	479	490	508	510	520	520
					Tap 3 High	CFM	1941 [916]	1915 [904]	1878 [886]	1814 [856]	1773 [837]	1709 [807]	1655 [781]	1570 [741]	1488 [702]	1374 [648]
						RPM	1028	1047	1068	1091	1104	1113	1124	1136	1142	1147
						Watts	708	725	729	727	717	696	673	647	618	571

Notes: (1) Set 2 through 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 5 ton 1st Stage Cool to Tap 1 for AHRI rated performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA15 - 460 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	1st Stage Tap 2	Tap 1	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 Heat / 1st Stg Cool Low Static	CFM	1289 [608]	1239 [585]	1189 [561]	1140 [538]	1101 [520]	1052 [496]	969 [457]	918 [433]	860 [406]	812 [383]
						RPM	726	755	786	815	846	876	912	935	964	986
						Watts	233	248	249	259	275	292	309	308	321	330
					Tap 2 Heat / 1st Stg Cool High Static	CFM	1484 [700]	1440 [680]	1405 [663]	1360 [642]	1319 [622]	1280 [604]	1238 [584]	1186 [560]	1128 [532]	1047 [494]
						RPM	812	841	863	889	918	938	965	994	1026	1066
						Watts	330	338	355	354	379	381	395	408	423	419
					Tap 3 Unused	CFM	1787 [843]	1746 [824]	1705 [805]	1680 [793]	1621 [765]	1607 [758]	1564 [738]	1530 [722]	1505 [710]	1424 [672]
						RPM	950	970	1000	1012	1042	1055	1079	1108	1113	1130
						Watts	525	538	545	579	571	596	615	610	631	626
	2nd Stage Tap 4				Tap 4 2nd stage Low Static Cool	CFM	1954 [922]	1927 [909]	1889 [892]	1843 [870]	1808 [853]	1738 [820]	1671 [789]	1620 [765]	1543 [728]	1433 [676]
						RPM	1030	1042	1061	1082	1100	1121	1130	1133	1138	1146
						Watts	664	673	683	696	704	700	697	684	667	635
					Tap 5 2nd Stage High Static Cool	CFM	2095 [989]	2045 [965]	1983 [936]	1905 [899]	1840 [868]	1792 [846]	1712 [808]	1641 [774]	1558 [735]	1397 [659]
						RPM	1103	1114	1114	1123	1125	1130	1139	1140	1144	1148
						Watts	829	841	832	803	785	770	749	710	685	633

Notes: (1) Set 2 through 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 5 ton 1st Stage Cool to Tap 1 for AHRI rated performance.

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA14 - 460 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Low	Low	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 2 Speed (PSC Motor)	Low	CFM	1358 [641]	1322 [624]	1266 [597]	1209 [571]	1120 [529]	1063 [502]	970 [458]	861 [406]	828 [391]	757 [357]
						RPM	823	849	877	901	932	953	979	999	1029	1055
						Watts	505	491	481	464	447	439	422	404	393	378
					High	CFM	1652 [780]	1596 [753]	1540 [727]	1481 [699]	1402 [662]	1320 [623]	1212 [572]	1132 [534]	1079 [509]	1004 [474]
						RPM	951	965	977	992	1007	1019	1036	1050	1063	1077
						Watts	670	658	642	625	600	580	561	539	523	504
3.5 [12.31]	Tap 3	Tap 3	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1362 [643]	1327 [626]	1294 [611]	1267 [598]	1207 [570]	1151 [543]	1131 [534]	1085 [512]	1022 [482]	956 [451]
						RPM	794	833	872	897	948	976	1005	1038	1078	1112
						Watts	287	295	317	317	331	351	361	365	370	399
					Tap 2 Medium	CFM	1362 [643]	1327 [626]	1294 [611]	1267 [598]	1207 [570]	1151 [543]	1131 [534]	1085 [512]	1022 [482]	956 [451]
						RPM	794	833	872	897	948	976	1005	1038	1078	1112
						Watts	287	295	317	317	331	351	361	365	370	399
					Tap 3 High	CFM	1643 [775]	1609 [759]	1580 [746]	1560 [736]	1511 [713]	1494 [705]	1443 [681]	1404 [663]	1335 [630]	1244 [587]
						RPM	927	954	986	1001	1035	1052	1083	1111	1122	1133
						Watts	461	475	490	506	518	528	535	548	530	502
4.0 [14.07]	Tap 3	Tap 3	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1467 [692]	1448 [683]	1404 [663]	1373 [648]	1339 [632]	1306 [616]	1250 [590]	1210 [571]	1164 [549]	1087 [513]
						RPM	826	855	884	910	939	969	1003	1030	1067	1108
						Watts	328	344	348	363	379	387	398	408	418	434
					Tap 2 Medium	CFM	1634 [771]	1595 [753]	1547 [730]	1530 [722]	1487 [702]	1462 [690]	1438 [679]	1378 [650]	1352 [638]	1298 [613]
						RPM	894	923	950	981	1000	1030	1051	1079	1106	1126
						Watts	432	446	451	468	479	490	508	510	520	520
					Tap 3 High	CFM	1941 [916]	1915 [904]	1878 [886]	1814 [856]	1773 [837]	1709 [807]	1655 [781]	1570 [741]	1488 [702]	1374 [648]
						RPM	1028	1047	1068	1091	1104	1113	1124	1136	1142	1147
						Watts	708	725	729	727	717	696	673	647	618	571

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA14 - 460 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	Tap 3	Tap 3	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 Low	CFM	1787 [843]	1746 [824]	1705 [805]	1680 [793]	1621 [765]	1607 [758]	1564 [738]	1530 [722]	1505 [710]	1424 [672]
						RPM	950	970	1000	1012	1042	1055	1079	1108	1113	1130
						Watts	525	538	545	579	571	596	615	610	631	626
					Tap 2 Medium	CFM	1954 [922]	1927 [909]	1889 [892]	1843 [870]	1808 [853]	1738 [820]	1671 [789]	1620 [765]	1543 [728]	1433 [676]
						RPM	1030	1042	1061	1082	1100	1121	1130	1133	1138	1146
						Watts	664	673	683	696	704	700	697	684	667	635
					Tap 3 High	CFM	2095 [989]	2045 [965]	1983 [936]	1905 [899]	1840 [868]	1792 [846]	1712 [808]	1641 [774]	1558 [735]	1397 [659]
						RPM	1103	1114	1114	1123	1125	1130	1139	1140	1144	1148
						Watts	829	841	832	803	785	770	749	710	685	633

Notes: (1) Set 3-1/2 and 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 13 SEER 5 ton Cool to Tap 2 for AHRI rated performance. (3) Set 14 SEER 5 ton Cool to Tap 1 for AHRI rated performance.

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA15 - 208/230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	Tap 3	Tap 3	700 CFM / 950 CFM	10X9 Blower 1/3 HP [249] 3 Speed (Constant Torque)	Tap 1 Low	CFM	917 [433]	865 [408]	826 [390]	771 [364]	730 [345]	677 [320]	628 [296]	596 [281]		
						RPM	772	810	860	905	945	985	1013	1052		
						Watts	142	149	159	164	175	177	180	189		
					Tap 2 Medium	CFM	931 [439]	880 [415]	854 [403]	795 [375]	743 [351]	694 [328]	655 [309]	608 [287]		
						RPM	789	1425	874	921	965	1002	1041	1070		
						Watts	155	159	170	176	185	188	196	200		
					Tap 3 High	CFM	1005 [474]	956 [451]	916 [432]	878 [414]	808 [381]	778 [367]	734 [346]	698 [329]		
						RPM	822	872	907	954	998	1036	1070	1103		
						Watts	178	192	198	208	212	224	224	234		
2.5 [8.79]	Tap 3	Tap 3	850 CFM / 1150 CFM	10X9 Blower 1/3 HP [249] 3 Speed (Constant Torque)	Tap 1 Low	CFM	917 [433]	865 [408]	826 [390]	771 [364]	730 [345]	677 [320]	628 [296]	596 [281]		
						RPM	772	810	860	905	945	985	1013	1052		
						Watts	142	149	159	164	175	177	180	189		
					Tap 2 Medium	CFM	1013 [478]	980 [463]	939 [443]	893 [421]	864 [408]	792 [374]	752 [355]	687 [324]		
						RPM	820	854	901	934	976	1022	1064	1097		
						Watts	171	177	187	190	202	207	217	222		
					Tap 3 High	CFM	1227 [579]	1180 [557]	1160 [547]	1123 [530]	1090 [514]	1054 [497]	1008 [476]	882 [416]		
						RPM	930	976	1006	1029	1065	1089	1124	1154		
						Watts	264	276	288	291	300	305	311	292		
3.0 [10.55]	Tap 3	Tap 3	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1108 [523]	1081 [510]	1040 [491]	951 [449]	916 [432]	857 [404]	776 [366]	722 [341]		
						RPM	713	752	796	845	873	920	966	1001		
						Watts	188	199	213	222	229	241	252	261		
					Tap 2 Medium	CFM	1169 [552]	1115 [526]	1086 [513]	1047 [494]	983 [464]	931 [439]	855 [404]	784 [370]		
						RPM	749	803	819	856	901	938	985	1029		
						Watts	217	231	233	246	259	266	277	289		
					Tap 3 High	CFM	1434 [677]	1419 [670]	1387 [655]	1340 [632]	1310 [618]	1258 [594]	1198 [565]	1160 [547]	1085 [512]	930 [439]
						RPM	866	882	920	944	981	1008	1051	1078	1106	1131
						Watts	372	377	390	399	413	421	426	443	445	412
3.5 [12.31]	Tap 3	Tap 3	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
						RPM	827	856	874	913	949	983	1013	1048	1092	1127
						Watts	298	308	313	325	341	352	361	374	387	402
					Tap 2 Medium	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
						RPM	827	856	874	913	949	983	1013	1048	1092	1127
						Watts	298	308	313	325	341	352	361	374	387	402
					Tap 3 High	CFM	1591 [751]	1563 [738]	1558 [735]	1519 [717]	1490 [703]	1458 [688]	1410 [665]	1363 [643]	1277 [603]	1122 [530]
						RPM	949	981	999	1027	1051	1086	1109	1129	1140	1158
						Watts	476	490	501	515	527	542	546	543	522	478

Notes: (1) Set 2 through 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 5 ton 1st Stage Cool to Tap 1 for AHRI rated performance.

.[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RACA15 - 208/230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
4.0 [14.07]	Tap 3	Tap 3	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 3 Speed (Constant Torque)	Tap 1 Low	CFM	1467 [692]	1448 [683]	1404 [663]	1373 [648]	1339 [632]	1306 [616]	1250 [590]	1210 [571]	1164 [549]	1087 [513]
						RPM	826	855	884	910	939	969	1003	1030	1067	1108
						Watts	328	344	348	363	379	387	398	408	418	434
					Tap 2 Medium	CFM	1634 [771]	1595 [753]	1547 [730]	1530 [722]	1487 [702]	1462 [690]	1438 [679]	1378 [650]	1352 [638]	1298 [613]
						RPM	894	923	950	981	1000	1030	1051	1079	1106	1126
						Watts	432	446	451	468	479	490	508	510	520	520
					Tap 3 High	CFM	1941 [916]	1915 [904]	1878 [886]	1814 [856]	1773 [837]	1709 [807]	1655 [781]	1570 [741]	1488 [702]	1374 [648]
						RPM	1028	1047	1068	1091	1104	1113	1124	1136	1142	1147
						Watts	708	725	729	727	717	696	673	647	618	571
5.0 [17.59]	1st Stage Tap 2	Tap 1	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 Heat / 1st Stg Cool Low Static	CFM	1233 [582]	1158 [547]	1136 [536]	1090 [514]	1039 [490]	969 [457]	902 [426]	847 [400]	791 [373]	752 [355]
						RPM	734	774	793	822	860	892	934	957	983	1011
						Watts	223	231	238	248	259	269	288	284	295	306
					Tap 2 Heat / 1st Stg Cool High Static	CFM	1433 [676]	1407 [664]	1354 [639]	1329 [627]	1270 [599]	1235 [583]	1195 [564]	1137 [537]	1083 [511]	1030 [486]
						RPM	821	843	868	888	929	944	975	1004	1040	1065
						Watts	319	331	342	346	365	368	381	391	406	412
					Tap 3 Unused	CFM	1768 [834]	1730 [816]	1693 [799]	1626 [767]	1599 [755]	1558 [735]	1522 [718]	1503 [709]	1444 [681]	1399 [660]
						RPM	938	959	983	1011	1025	1052	1089	1090	1117	1134
						Watts	520	533	541	560	563	578	599	599	605	615
	2nd Stage Tap 4				Tap 4 2nd stage Low Static Cool	CFM	1926 [909]	1890 [892]	1864 [880]	1822 [860]	1794 [847]	1758 [830]	1710 [807]	1670 [788]	1579 [745]	1493 [705]
						RPM	999	1014	1040	1061	1079	1096	1119	1128	1138	1144
						Watts	654	660	674	688	699	708	714	705	683	661
					Tap 5 2nd Stage High Static Cool	CFM	2096 [989]	2057 [971]	2003 [945]	1951 [921]	1890 [892]	1819 [858]	1756 [829]	1686 [796]	1610 [760]	1498 [707]
						RPM	1069	1092	1106	1116	1121	1129	1138	1140	1148	1154
						Watts	829	846	840	822	807	782	768	730	708	679

Notes: (1) Set 2 through 4 ton Cool to Tap 2 for AHRI rated performance. (2) Set 5 ton 1st Stage Cool to Tap 1 for AHRI rated performance.

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

[ ] Designates Metric Conversions

ELECTRICAL DATA – RACA14 SERIES

		024AJD***AA	030AJD***AA	036ACD***AA	036AJD***AA	042ACT***AA
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	17	20	16	22	24
	Minimum Overcurrent Protection Device Size	20	20	20	25	25
	Maximum Overcurrent Protection Device Size	25	30	20	35	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	2 1/6	2 2/3	3 1/3	3 1/3	3 1/2
	Amps (RLA), Comp. 1	11.2	12.8	9	14.1	13.2
	Amps (LRA), Comp. 1	60.8	64	71	77	88
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/4	1/2	1/2	1/2	3/4
	Amps (FLA, each)	1.3	2.4	2.5	2.5	6
	Amps (LRA, each)	2.3	5.1	4.6	4.6	

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

ELECTRICAL DATA – RACA14 SERIES

		042AJT***AA	048ACT***AA	048AJT***AA	060ACT***AA	060AJT***AA
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	197-253	197-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	30	25	33	32	41
	Minimum Overcurrent Protection Device Size	30	25	35	35	45
	Maximum Overcurrent Protection Device Size	45	35	50	45	60
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1
	RPM	3450	3450	3450	3500	3500
	HP, Compressor 1	3 1/2	4	4	5	5
	Amps (RLA), Comp. 1	17.9	13.1	19.9	17.8	24.4
	Amps (LRA), Comp. 1	112	83.1	109	110	144.2
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	2	2	2	2
	Amps (LRA, each)	3	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	3/4	3/4	3/4	1	1
	Amps (FLA, each)	6	6	6	7.6	7.6
	Amps (LRA, each)					

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

ELECTRICAL DATA – RACA15 SERIES

		024AJT***AA	030AJT***AA	036ACT***AA	036AJT***AA	042ACT***AA
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	19	21	17	24	24
	Minimum Overcurrent Protection Device Size	20	25	20	25	25
	Maximum Overcurrent Protection Device Size	25	30	25	35	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	2 1/6	2 2/3	3 1/3	3 1/3	3 1/2
	Amps (RLA), Comp. 1	11.2	12.8	9	14.1	13.2
	Amps (LRA), Comp. 1	60.8	64	71	77	88
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/2	1/2	1/2	3/4
	Amps (FLA, each)	2.8	2.8	4.1	4.1	6
	Amps (LRA, each)					

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

ELECTRICAL DATA – RACA15 SERIES

		042AJT***AA	048ACT***AA	048AJT***AA	060ACT***AA	060AJT***AA
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	197-253	197-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	30	25	33	30	46
	Minimum Overcurrent Protection Device Size	30	25	35	50	50
	Maximum Overcurrent Protection Device Size	45	35	50	45	70
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	3	1
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	3 1/2	4	4	5	5
	Amps (RLA), Comp. 1	17.9	13.1	19.9	16.2	28.8
	Amps (LRA), Comp. 1	112	83.1	109	110	152.9
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	2	2	2	2
	Amps (LRA, each)	3	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	3/4	3/4	3/4	1	1
	Amps (FLA, each)	6	6	6	7.6	7.6
	Amps (LRA, each)					

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

Copper Wire Size—AWG (1% Voltage Drop)

SUPPLY WIRE LENGTH-FEET	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
300	4	3	2	2	1	1/0	1/0	2/0	2/0	3/0	3/0	3/0	4/0	4/0	4/0	4/0	250	250	250	250	300	300	300
250	4	4	3	3	2	1	1	1/0	1/0	2/0	2/0	2/0	3/0	3/0	3/0	4/0	4/0	4/0	4/0	4/0	250	250	250
200	6	4	4	4	3	2	2	1	1	1/0	1/0	1/0	2/0	2/0	2/0	3/0	3/0	3/0	3/0	3/0	4/0	4/0	4/0
150	8	6	6	4	4	4	3	3	2	2	1	1	1/0	1/0	1/0	1/0	2/0	2/0	2/0	2/0	2/0	3/0	3/0
100	10	8	8	6	6	6	4	4	4	3	3	2	2	2	1	1	1	1	1	1/0	1/0	1/0	1/0
50	14	12	10	10	8	8	6	6	6	4	4	4	3	3	3	2	2	2	2	2	1	1	1

CIRCUIT AMPACITY

Notes: 1. Wire size based on 60°C. type copper conductors below 100 ampacity. 2. Wire size based on 75°C. type copper conductors for 100 ampacity and above.

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				
	Heater Kit					Air Conditioner			Heater Kit		Air Conditioner		
Model No. RACA-	RXQJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater kBTU/Hr @ 208/240V	Heater Amp @ 208/240V	Unit Min. Ckt. Ampacity @ 208/240V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min./Max @ 208V	Min./Max. @ 240V				Min./Max. @ 208V	Min./Max. @ 240V
14024AJD***AA	No Heat	—	—	—	—	17/17	20/25	20/25	—	—	17/17	20/25	20/25
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	24/27	25/25	30/30	22/25	25/25	17/17	20/25	20/25
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	45/52	45/45	60/60	44/50	45/50	17/17	20/25	20/25
14030AJD***AA	No Heat	—	—	—	—	20/20	20/30	20/30	—	—	20/20	20/30	20/30
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	25/28	25/25	30/30	22/25	25/25	20/20	20/30	20/30
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	47/53	50/50	60/60	44/50	45/50	20/20	20/30	20/30
14036AJD***AA	No Heat	—	—	—	—	22/22	25/35	25/35	—	—	22/22	25/35	25/35
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	25/29	25/25	30/30	22/25	25/25	22/22	25/35	25/35
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	47/54	50/50	60/60	44/50	45/50	22/22	25/35	25/35
	A15J	1	10.8/14.4	36.85/49.13	51.9/60.0	68/79	70/70	80/80	65/75	70/80	22/22	25/35	25/35
14042AJT***AA	No Heat	—	—	—	—	30/30	30/45	30/45	—	—	30/30	30/45	30/45
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	30/33	30/30	35/35	22/25	25/25	30/30	30/45	30/45
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	51/58	60/60	60/60	44/50	45/50	30/30	30/45	30/45
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	30/30	30/45	30/45
14048AJT***AA	No Heat	—	—	—	—	33/33	35/50	35/50	—	—	33/33	35/50	35/50
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	33/33	35/35	35/35	22/25	25/25	33/33	35/50	35/50
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	51/58	60/60	60/60	44/50	45/50	33/33	35/50	35/50
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	33/33	35/50	35/50
14060AJT***AA	No Heat	—	—	—	—	41/41	45/60	45/60	—	—	41/41	45/60	45/60
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	41/41	45/45	45/45	22/25	25/25	41/41	45/60	45/60
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	53/60	60/60	60/60	44/50	45/50	41/41	45/60	45/60
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	75/85	80/80	90/90	65/75	70/80	41/41	45/60	45/60

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				
	Heater Kit					Air Conditioner			Heater Kit		Air Conditioner		
Model No. RACA-	RXQJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater kBTU/Hr @ 208/240V	Heater Amp @ 208/240V	Unit Min. Ckt. Ampacity @ 208/240V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min./Max @ 208V	Min./Max. @ 240V				Min./Max. @ 208V	Min./Max. @ 240V
14036ACD***AA	No Heat	—	—	—	—	16/16	20/20	20/20	—	—	16/16	20/20	20/20
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	29/32	30/30	35/35	25/29	25/30	16/16	20/20	20/20
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	41/47	45/45	50/50	38/44	40/45	16/16	20/20	20/20
14042ACT***AA	No Heat	—	—	—	—	24/24	25/35	25/35	—	—	24/24	25/35	25/35
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	33/37	35/35	40/40	25/29	25/30	24/24	25/35	25/35
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	24/24	25/35	25/35
14048ACT***AA	No Heat	—	—	—	—	25/25	25/35	25/35	—	—	25/25	25/35	25/35
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	33/37	35/35	40/40	25/29	25/30	25/25	25/35	25/35
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	25/25	25/35	25/35
14060ACT***AA	No Heat	—	—	—	—	32/32	35/45	35/45	—	—	32/32	35/45	35/45
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	35/39	35/35	40/40	25/29	25/30	32/32	35/45	35/45
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	48/53	50/50	60/60	38/44	40/45	32/32	35/45	35/45

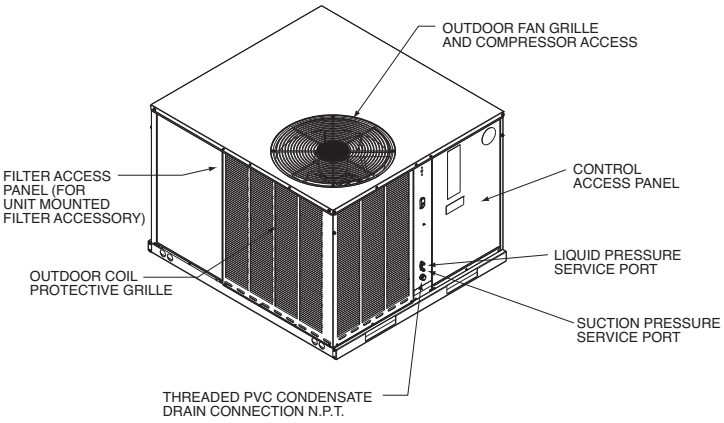
208/240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

	Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit				
	Heater Kit					Air Conditioner			Heater Kit		Air Conditioner		
Model No. RACA-	RXQJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater kBTU/Hr @ 208/240V	Heater Amp @ 208/240V	Unit Min. Ckt. Ampacity @ 208/240V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min./Max @ 208V	Min./Max. @ 240V				Min./Max. @ 208V	Min./Max. @ 240V
15024AJT***AA	No Heat	—	—	—	—	19/19	20/25	20/25	—	—	19/19	20/25	20/25
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	26/29	30/30	30/30	22/25	25/25	19/19	20/25	20/25
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	47/54	50/50	60/60	44/50	45/50	19/19	20/25	20/25
15030AJT***AA	No Heat	—	—	—	—	21/21	25/30	25/30	—	—	21/21	25/30	25/30
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	26/29	30/30	30/30	22/25	25/25	21/21	25/30	25/30
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	47/54	50/50	60/60	44/50	45/50	21/21	25/30	25/30
15036AJT***AA	No Heat	—	—	—	—	24/24	25/35	25/35	—	—	24/24	25/35	25/35
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	27/31	30/30	35/35	22/25	25/25	24/24	25/35	25/35
	A10J	1	7.2/9.6	24.57/32.76	34.6/40.0	49/56	50/50	60/60	44/50	45/50	24/24	25/35	25/35
	A15J	1	10.8/14.4	36.85/49.13	51.9/60.0	70/81	70/70	90/90	65/75	70/80	24/24	25/35	25/35
15042AJT***AA	No Heat	—	—	—	—	30/30	30/45	30/45	—	—	30/30	30/45	30/45
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	30/33	30/30	35/35	22/25	25/25	30/30	30/45	30/45
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	51/58	60/60	60/60	44/50	45/50	30/30	30/45	30/45
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	30/30	30/45	30/45
15048AJT***AA	No Heat	—	—	—	—	33/33	35/50	35/50	—	—	33/33	35/50	35/50
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	33/33	35/35	35/35	22/25	25/25	33/33	35/50	35/50
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	51/58	60/60	60/60	44/50	45/50	33/33	35/50	35/50
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	73/83	80/80	90/90	65/75	70/80	33/33	35/50	35/50
15060AJT***AA	No Heat	—	—	—	—	46/46	50/70	50/70	—	—	46/46	50/70	50/70
	A05J	1	3.6/4.8	12.28/16.38	17.3/20.0	46/46	50/50	50/50	22/25	25/25	46/46	50/70	50/70
	B10J	1	7.2/9.6	24.57/32.76	34.6/40.0	53/60	60/60	60/60	44/50	45/50	46/46	50/70	50/70
	B15J	1	10.8/14.4	36.85/49.13	51.9/60.0	75/85	80/80	90/90	65/75	70/80	46/46	50/70	50/70

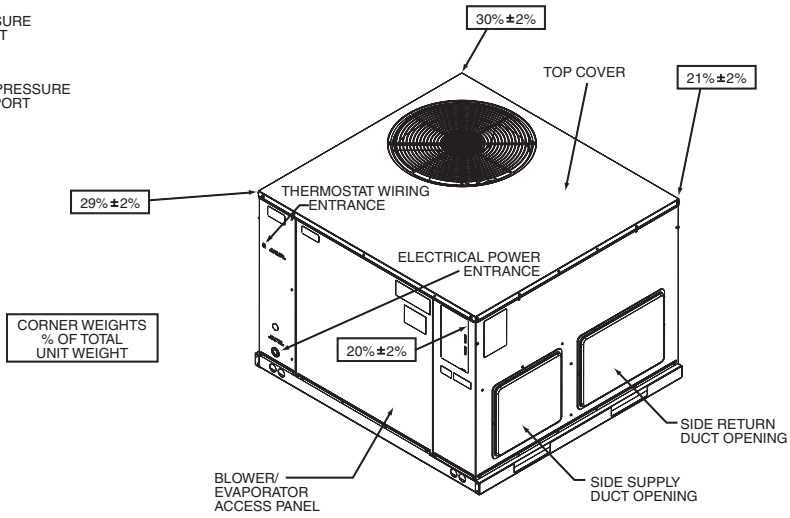
208/240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

	Single Power Supply for Both Unit and Heater Kit								Separate Power Supply for Both Unit and Heater Kit				
	Heater Kit					Air Conditioner			Heater Kit		Air Conditioner		
Model No. RACA-	RXQJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240V	Heater kBTU/Hr @ 208/240V	Heater Amp @ 208/240V	Unit Min. Ckt. Ampacity @ 208/240V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240V	Over Current Protective Device Size	
							Min./Max @ 208V	Min./Max. @ 240V				Min./Max. @ 208V	Min./Max. @ 240V
15036ACT***AA	No Heat	—	—	—	—	17/17	20/25	20/25	—	—	17/17	20/25	20/25
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	31/34	35/35	35/35	25/29	25/30	17/17	20/25	20/25
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	43/49	45/45	50/50	38/44	40/45	17/17	20/25	20/25
15042ACT***AA	No Heat	—	—	—	—	24/24	25/35	25/35	—	—	24/24	25/35	25/35
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	33/37	35/35	40/40	25/29	25/30	24/24	25/35	25/35
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	24/24	25/35	25/35
15048ACT***AA	No Heat	—	—	—	—	25/25	25/35	25/35	—	—	25/25	25/35	25/35
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	33/37	35/35	40/40	25/29	25/30	25/25	25/35	25/35
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	46/51	50/50	60/60	38/44	40/45	25/25	25/35	25/35
15060ACT***AA	No Heat	—	—	—	—	30/30	50/45	50/45	—	—	30/30	50/45	50/45
	A10C	1	7.2/9.6	24.57/32.76	20.0/23.1	35/39	50/50	50/50	25/29	25/30	30/30	50/45	50/45
	A15C	1	10.8/14.4	36.85/49.13	30.1/34.7	48/53	50/50	60/60	38/44	40/45	30/30	50/45	50/45

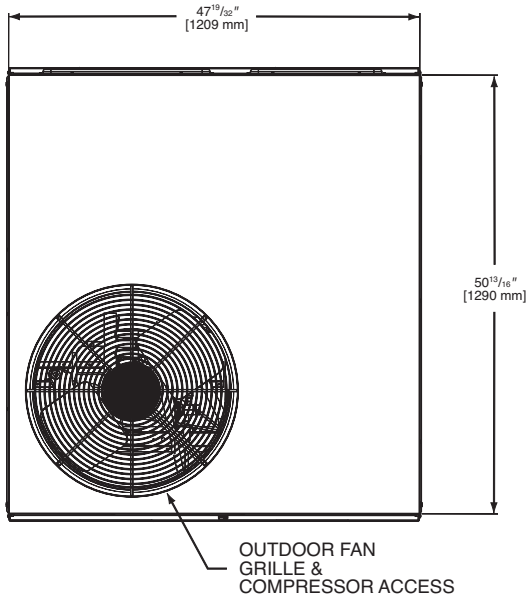
UNIT DIMENSIONS
PACKAGE
AIR CONDITIONERS



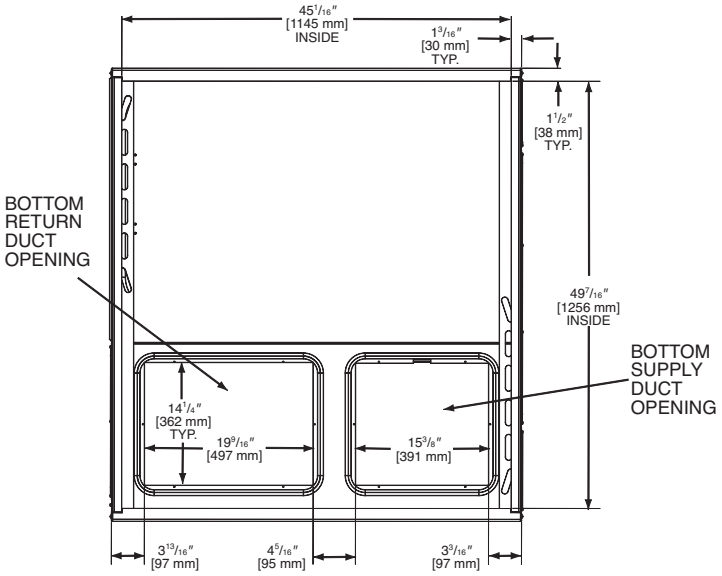
IMPORTANT: UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION



TOP VIEW

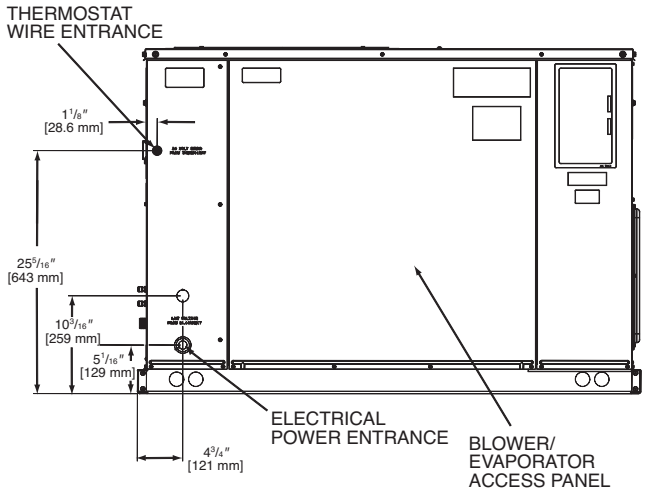


BOTTOM VIEW

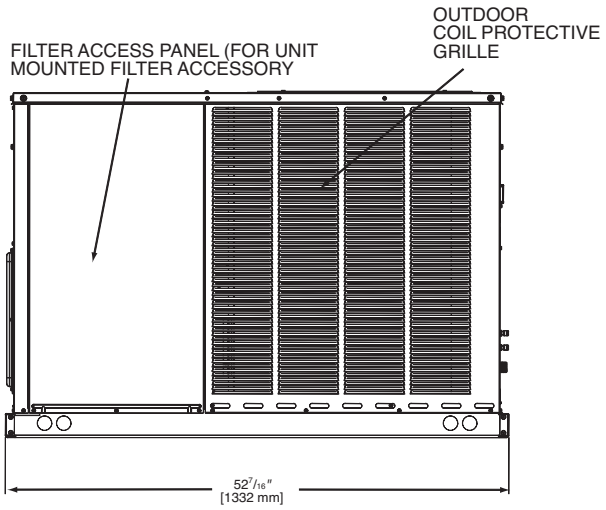


[ ] Designates Metric Conversions

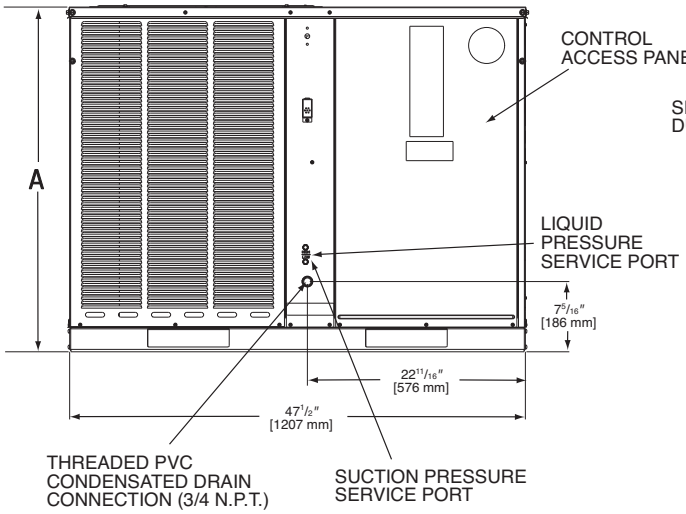
SIDE VIEW



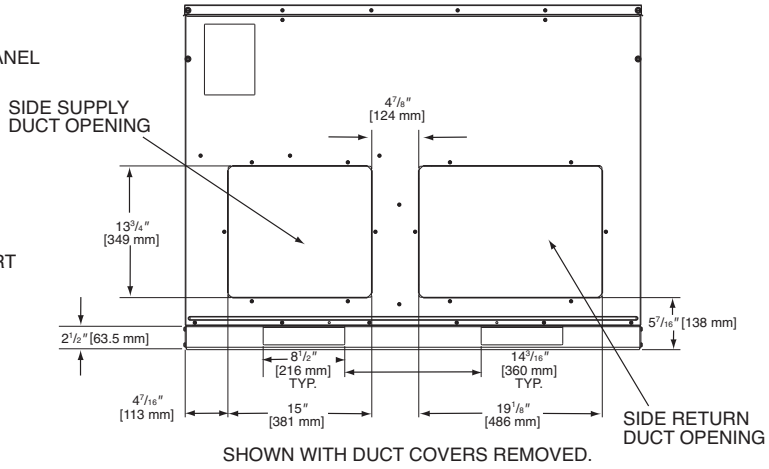
SIDE VIEW



FRONT VIEW



REAR VIEW

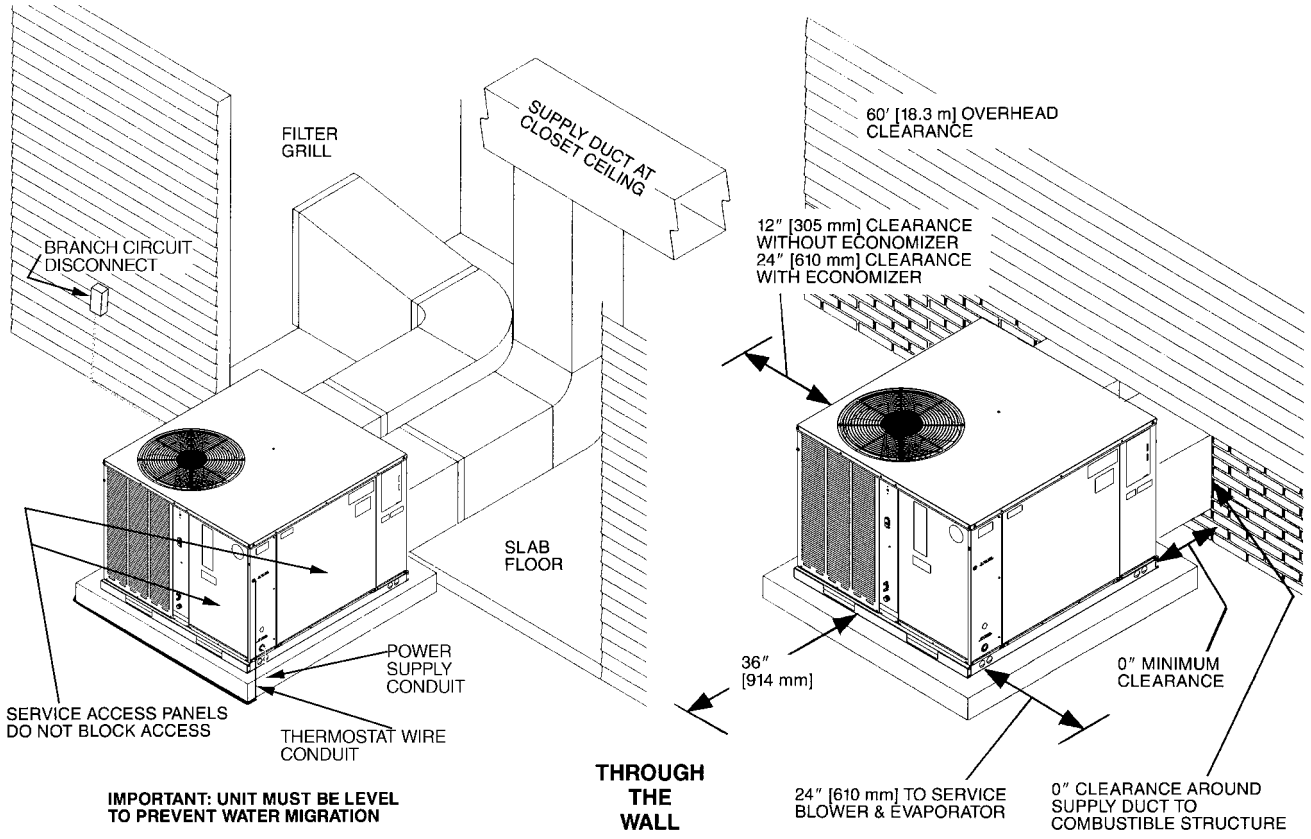


SHOWN WITH DUCT COVERS REMOVED.

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

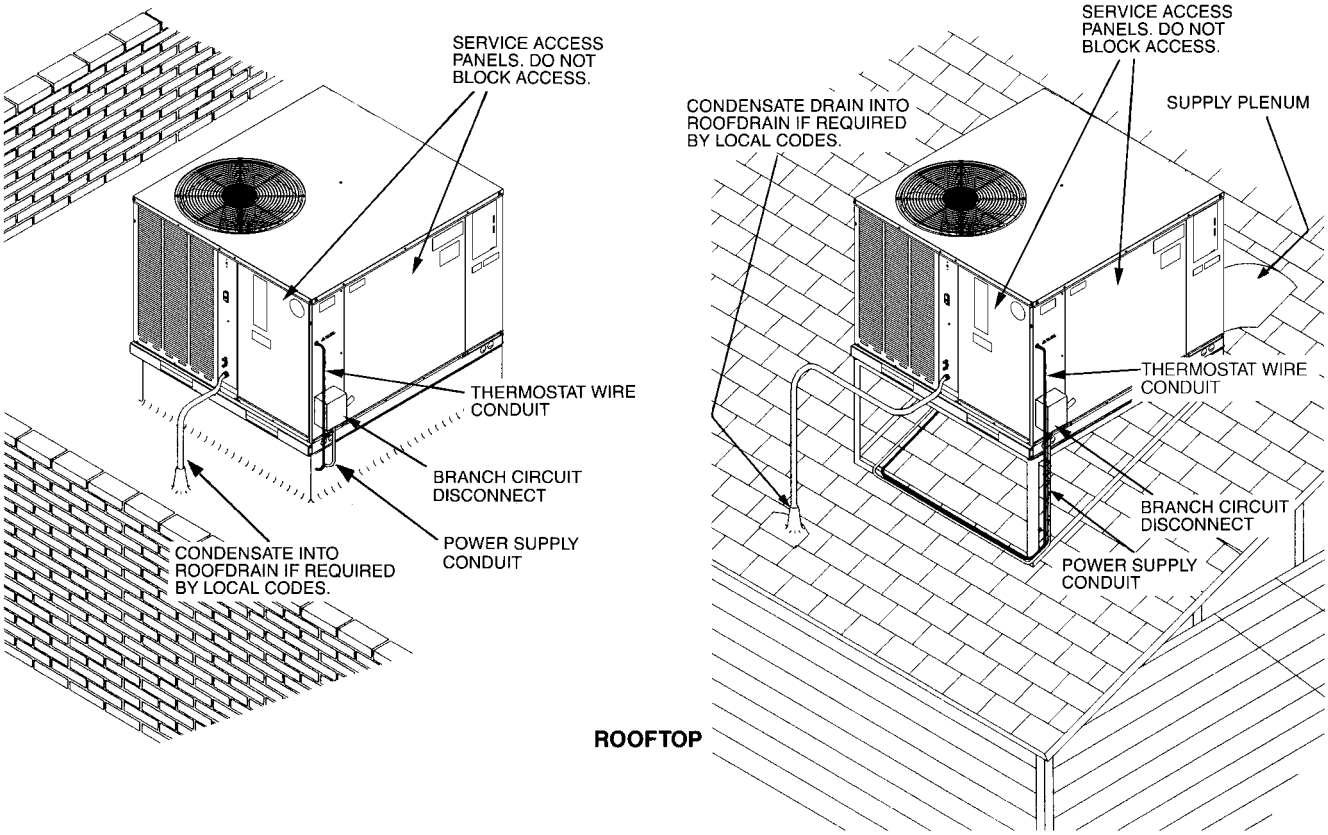
IMPORTANT:
Unit must be level to prevent water migration.

[ ] Designates Metric Conversions



IMPORTANT: UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION

THROUGH THE WALL



ROOFTOP

[ ] Designates Metric Conversions

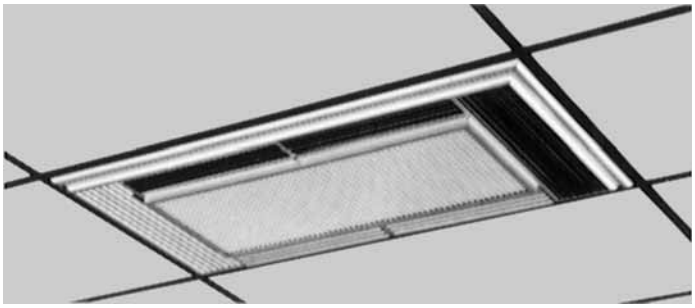
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Thermostats	RACA14/15	See Thermostat Specification Sheet (T22-001)
Roofcurbs	RACA14/15	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	RACA14/15	RXRN-BD15
Economizers (Sideflow ONLY)	RACA14/15	AXRE-CCA30 (3 Position) AXRD-CCM10 (Fully Modulating)
Economizers (Downflow ONLY)	RACA14/15	AXRE-CAA30 (3 Position) AXRD-CAM10 (Fully Modulating)
Fresh Air Damper	RACA14/15	AXRF-FAB1 (Motorized-35%) AXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	RACA14/15	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	RACA14/15	RXRY-B01
Sideflow Rectangular to Round Transition	RACA14/15	AXMC-BA01
Low Ambient Control	RACA14/15	RXRZ-B01
High Pressure Control ①	RACA14/15	RXAB-E01
Low Pressure Control ②	RACA14/15	RXAC-C01

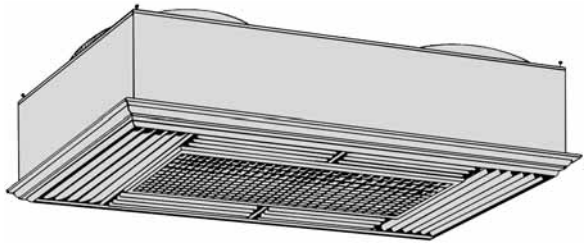
① High pressure switch standard on RACA (13/14/15) 060
② Low pressure switch standard on RACA 15 060.

[ ] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER

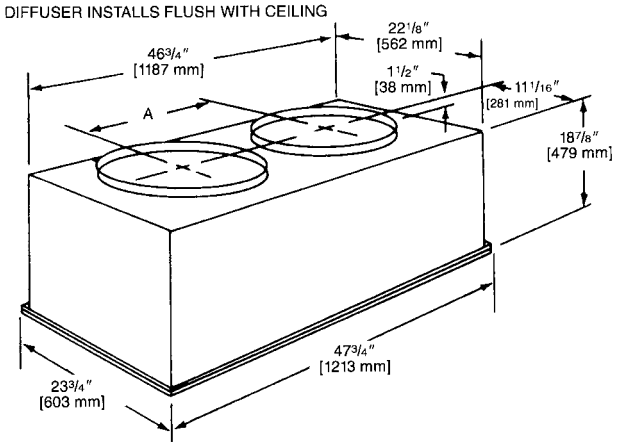


SUPPLY/RETURN DIFFUSER



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]	20½ [521]



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

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

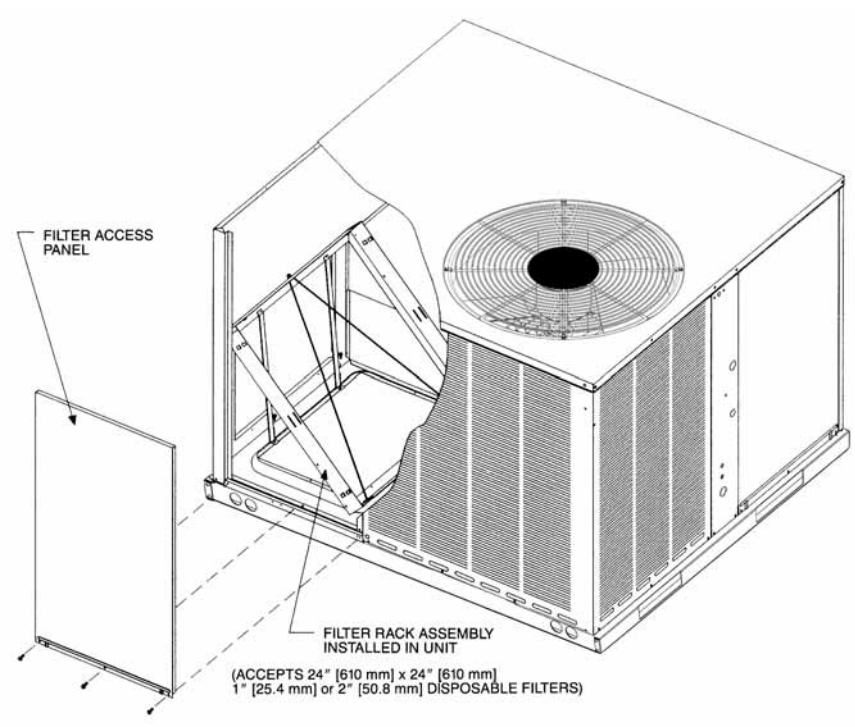
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

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

FILTER KIT INSTALLATION
RXRY-B01

For use in either vertical or horizontal discharge.

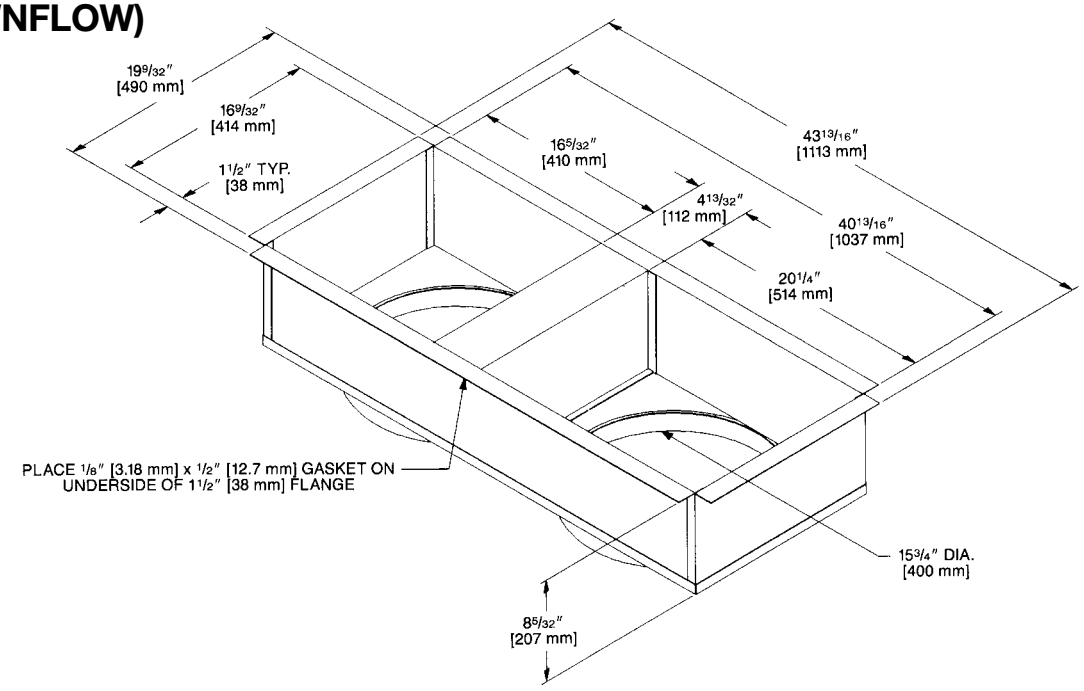


Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]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

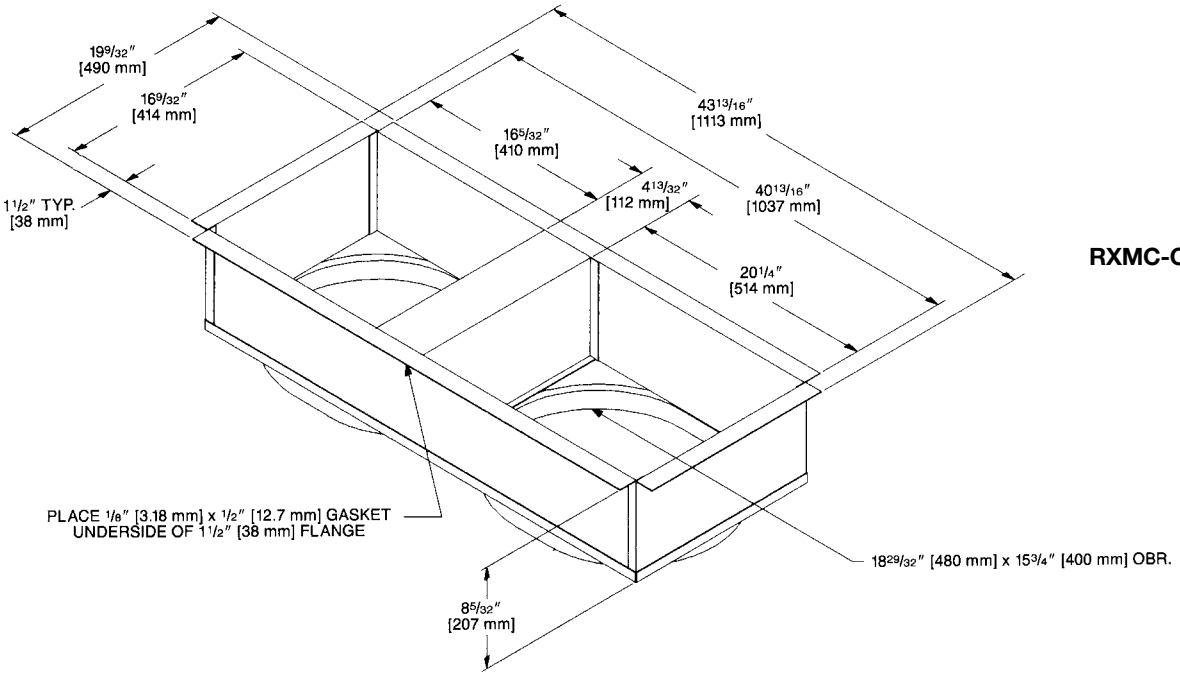
[ ] Designates Metric Conversions

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[ ] Designates Metric Conversions

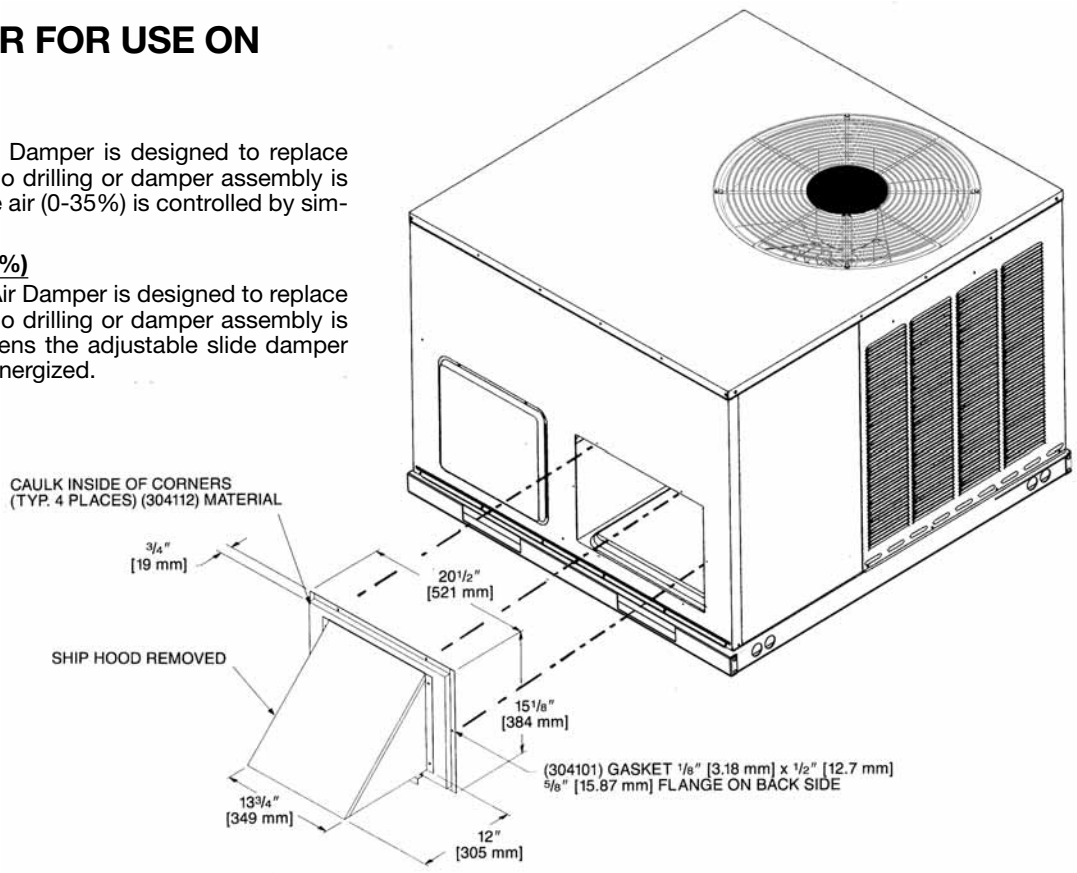
FRESH AIR DAMPER FOR USE ON RACA14- SERIES

AXRF-FAA1 (Fixed - 0-35%)

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

AXRF-FAB1 (Motorized - 0-35%)

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



ECONOMIZERS

AXRE-CAA30 (3 Position) and AXRD-CAM10 (Fully Modulating)

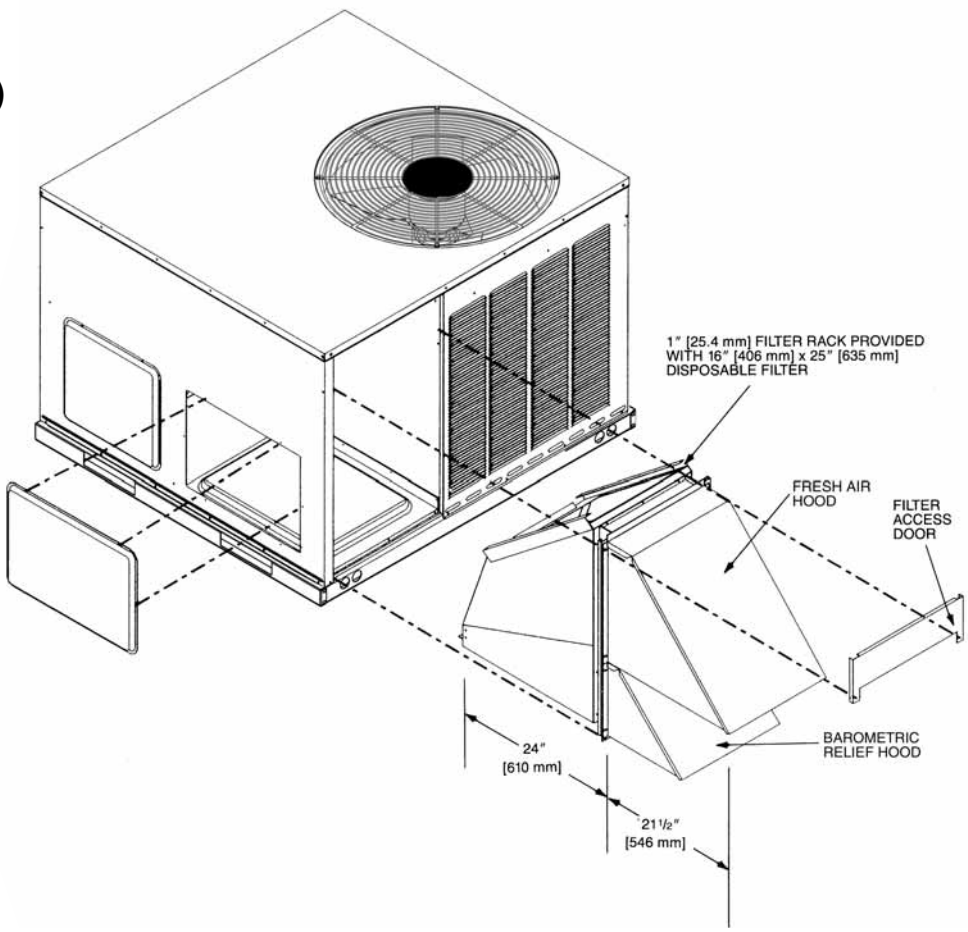
AXRE-CAA30 (3 Position)

Provided with enthalpy control, and mixed air sensor. Settings include fully open, fully closed and adjustable mid point.

AXRD-CAM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

Note: See economizer installation instructions for correct filter access door.



[ ] Designates Metric Conversions

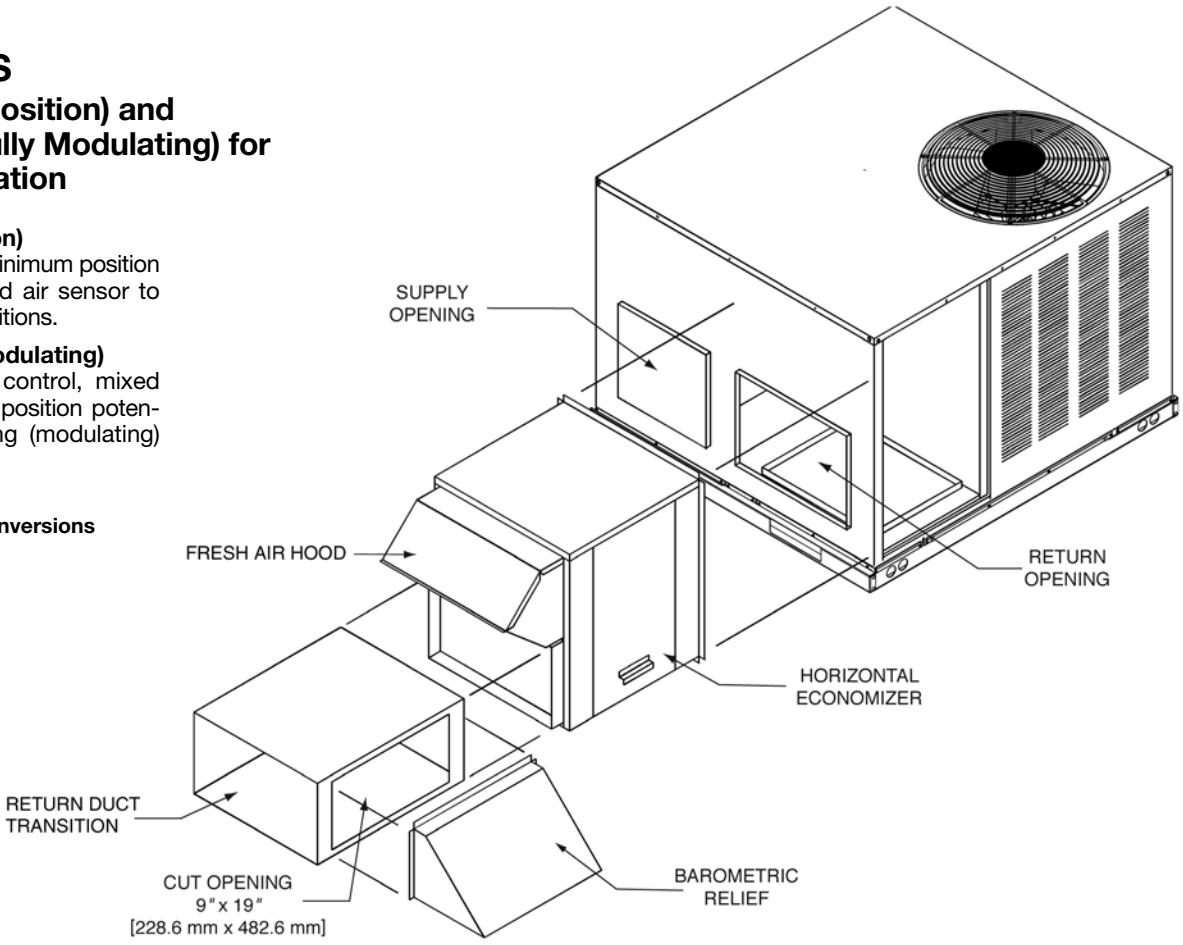
ECONOMIZERS

AXRE-CAA30 (3 Position) and AXRD-CCM10 (Fully Modulating) for Horizontal Application

AXRE-CCA30 (3 Position)
Has outdoor air sensor, minimum position potentiometer, and mixed air sensor to provide three damper positions.

AXRD-CCM10 (Fully Modulating)
Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

[ ] Designates Metric Conversions



THERMOSTATS



200-Series *
Programmable



300-Series *
Deluxe
Programmable

400-Series *
Special Applications/
Programmable

Brand		Descripter (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
UHC	**-**	**TST**	**213**	**UN**	**MS**
UHC=Ruud		TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating Furnace DF=Dual Fuel	SS=Single-Stage MS=Multi-Stage

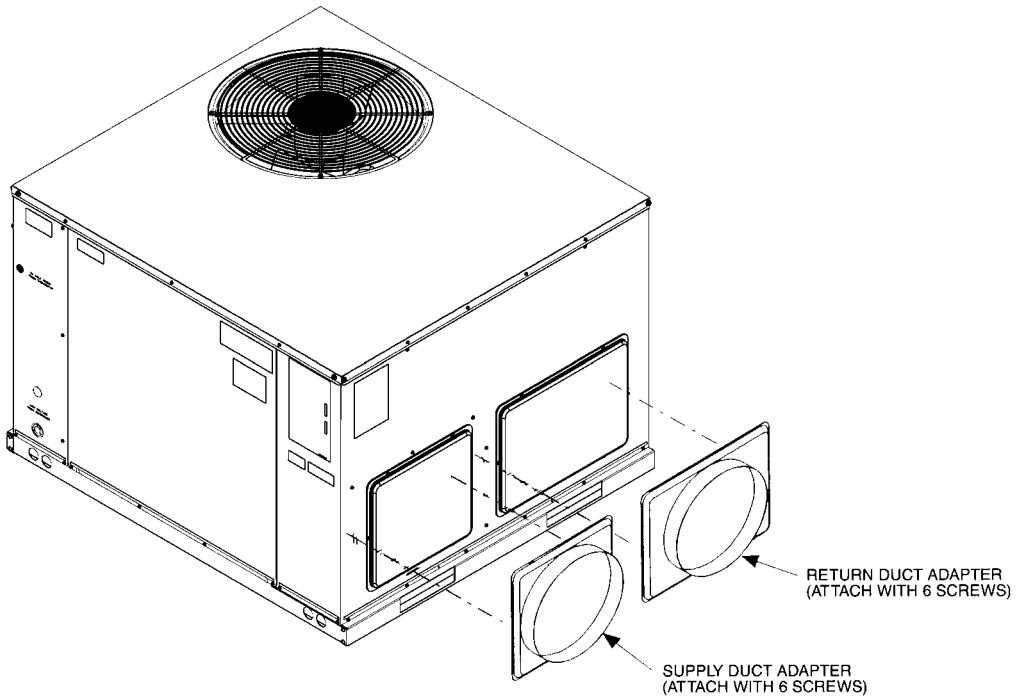
** Photos are representative. Actual models may vary.*

For detailed thermostat match-up information, see specification sheet form number T22-001.

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



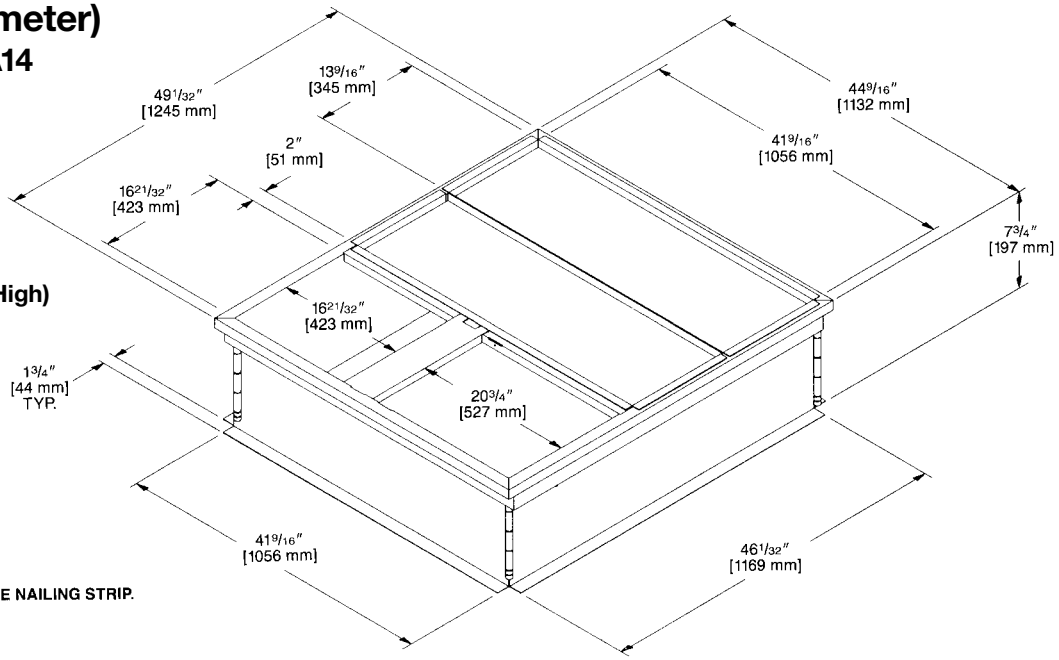
ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14 and RXSG-AAA24 for RACA- Series

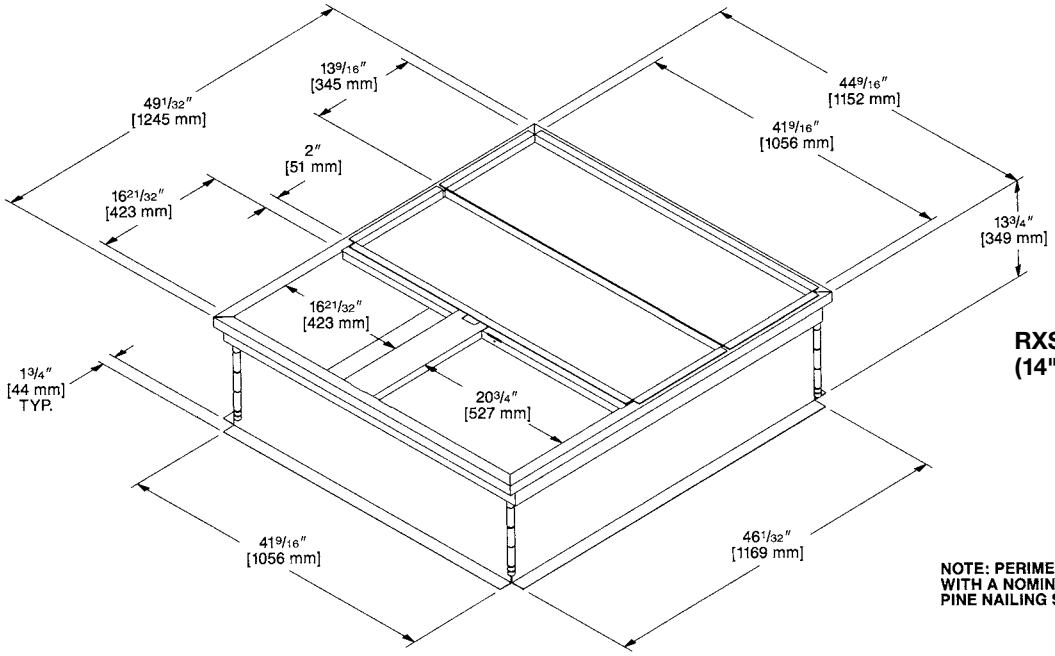
Hinged corners make for fast, easy set-up.

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

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



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



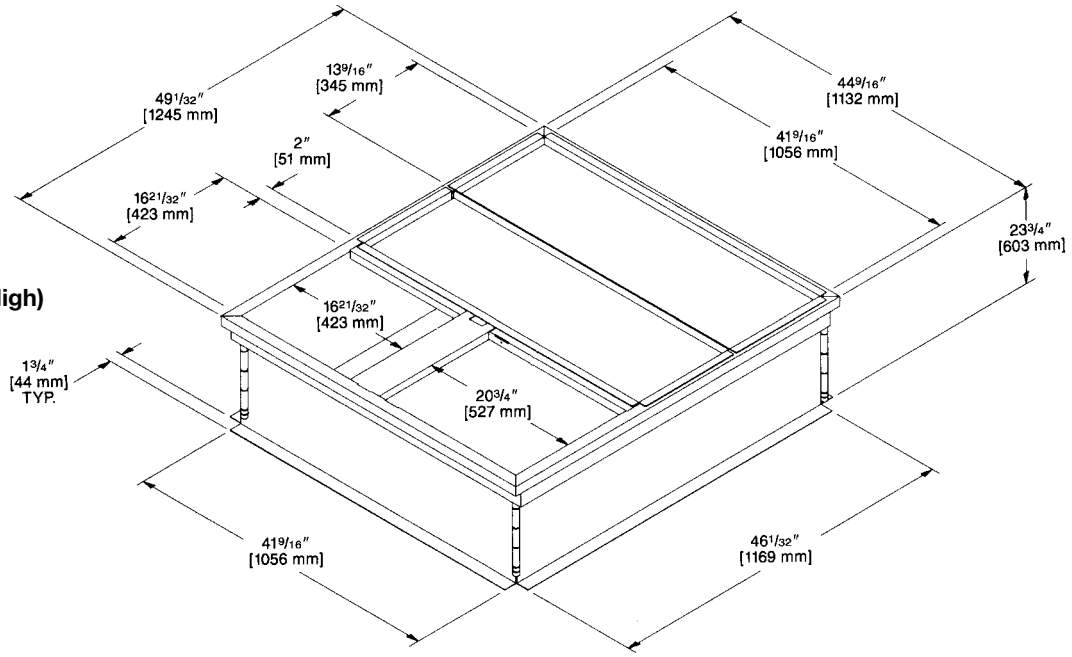
RXSG-AAA14
(14" [356 mm] High)

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

[ ] Designates Metric Conversions

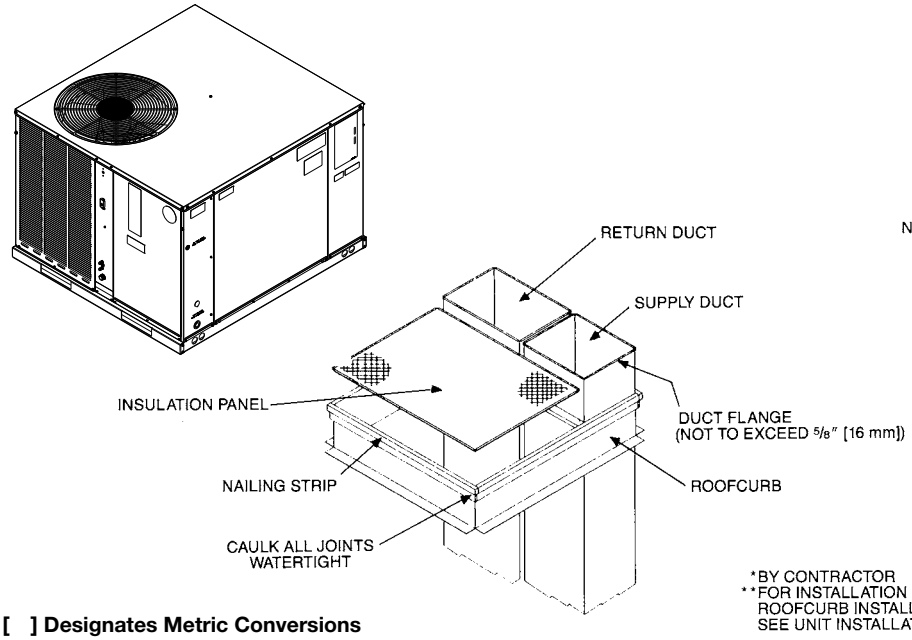
ROOFCURB (Full Perimeter) (Cont.)

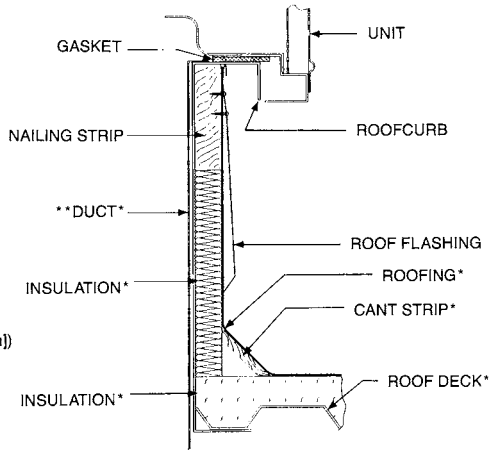
RXSG-AAA24
(24" [610 mm] High)



[ ] Designates Metric Conversions

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





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

[ ] Designates Metric Conversions

ROOFCURB ADAPTERS

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

OLD MODEL		OLD CURB MODEL	NEW MODEL TO OLD MODEL ROOFCURB ADAPTER	NEW MODEL PACKAGE
SMALL CABINET (1½-2 TON) [5.28-7.03 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	20 SERIES	RXPA-CA20 (1) RXRA-DB20 (2)	RXPX-BACCA20 RXRX-BACDB20	ONLY 1 CABINET SIZE— ALL MODELS
MEDIUM CABINET (2½-3 TON) [8.79-10.55 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	21 SERIES	RXPA-CA21 (1) RXRA-DB21 (2)	RXPX-BACCA21 RXRX-BACDB21	RACA 14/15
LARGE CABINET (3-3½ TON) [10.55-12.31 kW] RRGE-, RRGF-, RRGG-, RSNY	22 SERIES	RXPA-CA22 (1) RXRA-DB22 (2)	RXPX-BCCCA22 RXRX-BCCDB22	
EXTRA LARGE CABINET (3½-5 TON) [12.31-17.58 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY (4-5 TON) [14.07-17.58 kW]	23 SERIES	RXPA-CA23 (1) RXRA-DB23 (2)	RXPX-BCCCA23 RXRX-BCCDB23	

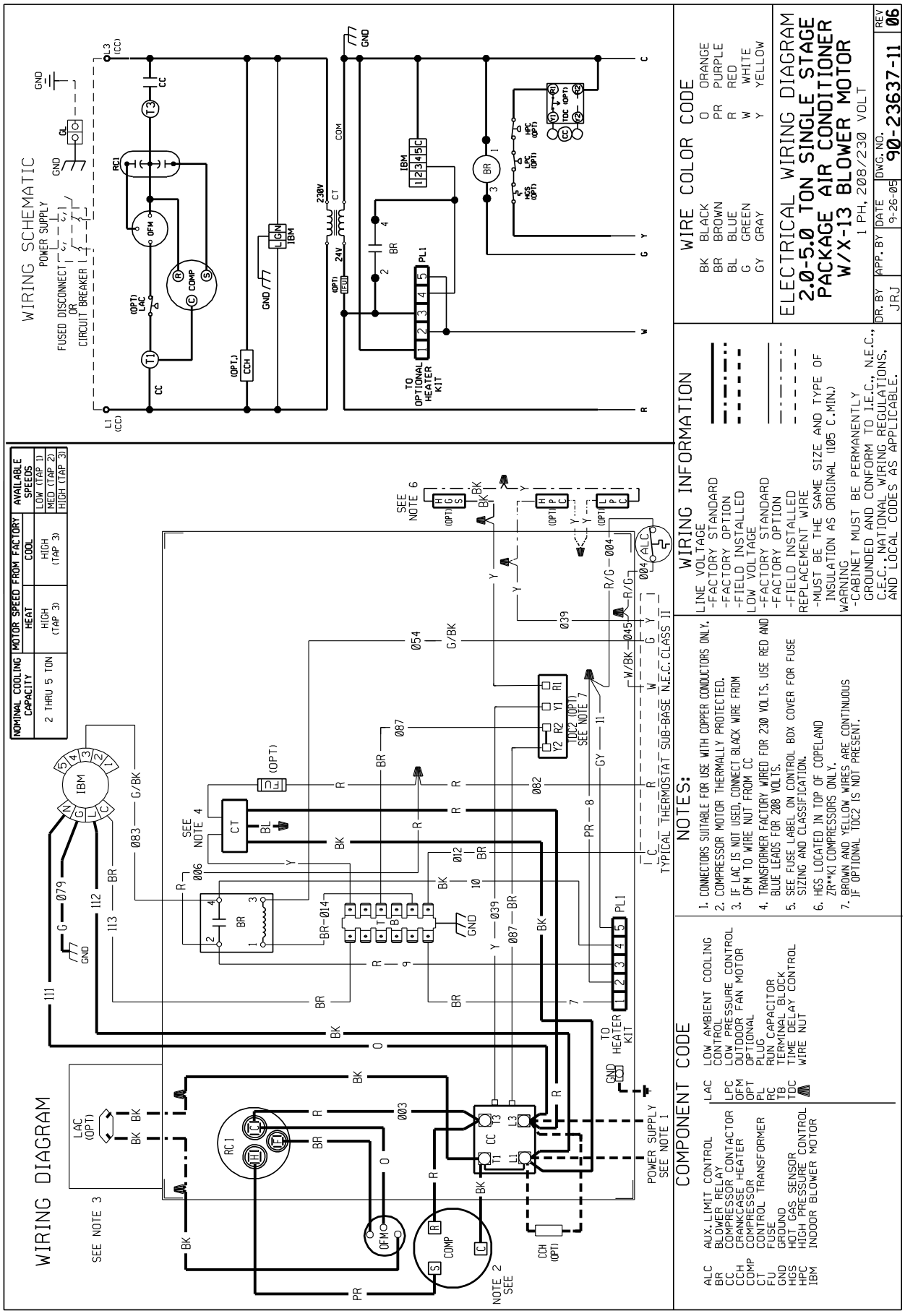
(1) SLOPE TYPE
(2) FULL PERIMETER TYPE

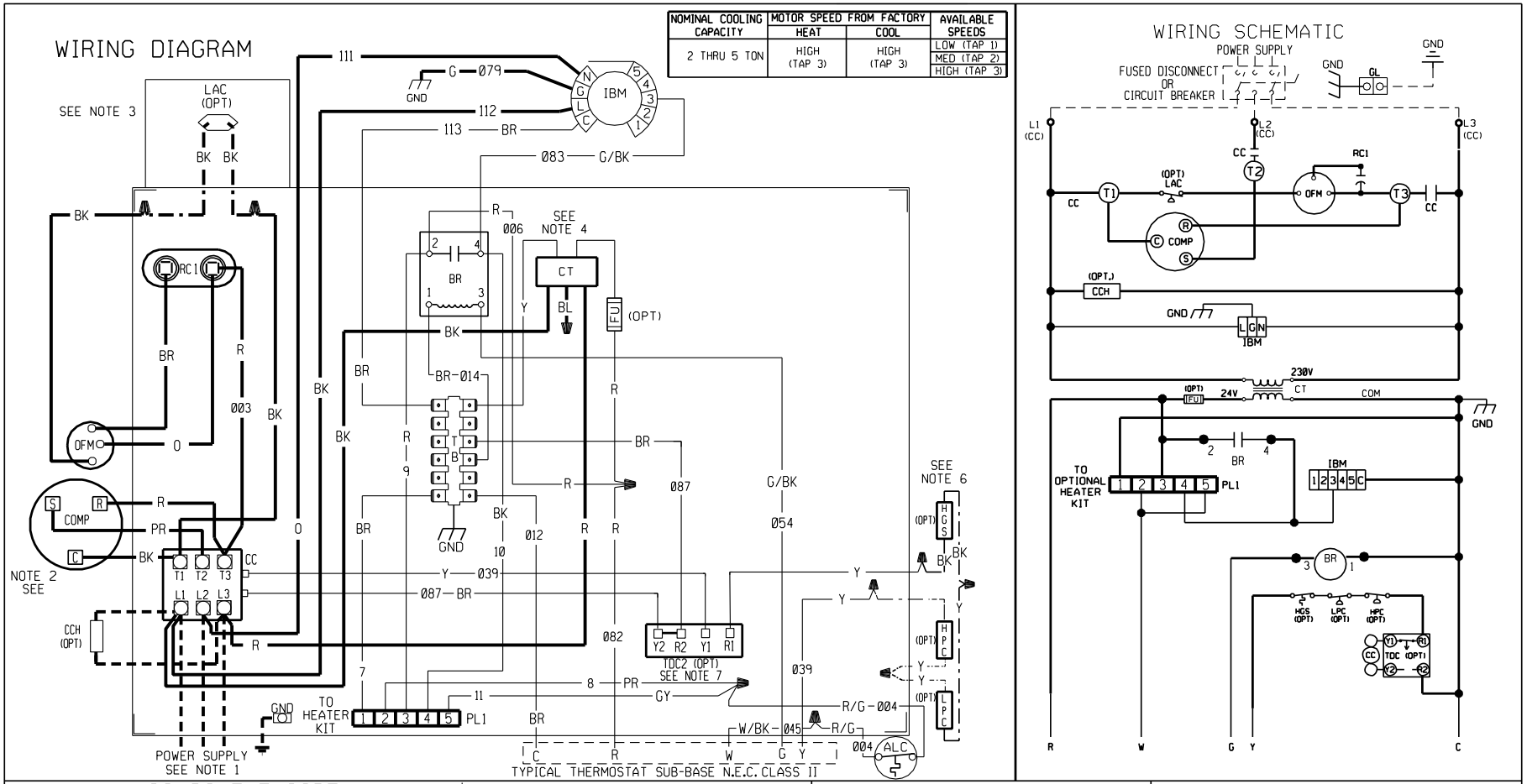
ELECTRIC HEATER KITS—RACA13-

Unit Model Application	Electric Heater Kit Models
RACA (14/15) (024/030) AJ	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
RACA (14/15) (036/042/048/060) AJ	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
RACA (14/15) (036/042/048/060) AC	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
	RXQJ-A10C (208-240 volt, 3-ph, 10kW)

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.


WIRING DIAGRAM
WIRING SCHEMATIC
POWER SUPPLY
FUSED DISCONNECT OR CIRCUIT BREAKER
GND
GL
L3 (CC)
L1 (CC)
CC
T1
T3
RC1
OFM
COMP
R
C
S
(OPT) LAC
(OPT) CCH
GND
IBM
230V
CT
COM
24V
(OPT) HGS
PL1
TO OPTIONAL HEATER KIT
BR
HPC (OPT)
LPC (OPT)
TDC (OPT)
Y1
Y2
W1
W2
SEE NOTE 3
SEE NOTE 2
SEE NOTE 4
SEE NOTE 6
SEE NOTE 7
TYPICAL THERMOSTAT SUB-BASE N.E.C. CLASS II
POWER SUPPLY SEE NOTE 1
TO HEATER KIT
ALC
NOTE 2
NOMINAL COOLING CAPACITY
2 THRU 5 TON
MOTOR SPEED FROM FACTORY
HEAT
HIGH (TAP 3)
COOL
HIGH (TAP 3)
AVAILABLE SPEEDS
LOW (TAP 1)
MED (TAP 2)
HIGH (TAP 3)
COMPONENT CODE
ALC AUX. LIMIT CONTROL
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FU FUSE
GND GROUND
HGS HOT GAS SENSOR
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL PLUG
PL RUN CAPACITOR
RC TERMINAL BLOCK
TB TIME DELAY CONTROL
TDC WIRE NUT
NOTES:
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. HGS LOCATED IN TOP OF COPELAND ZR**K1 COMPRESSORS ONLY.
7. BROWN AND YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C.; NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.
WIRE COLOR CODE
BK BLACK
BR BROWN
BL BLUE
G GREEN
GY GRAY
O ORANGE
PR PURPLE
R RED
W WHITE
Y YELLOW
ELECTRICAL WIRING DIAGRAM
2.0-5.0 TON SINGLE STAGE
PACKAGE AIR CONDITIONER
W/X-13 BLOWER MOTOR
1 PH, 208/230 VOLT
DR. BY JRJ
APP. BY
DATE 9-26-05
DWG. NO. 90-23637-11
REV 06



COMPONENT CODE

ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LPC	LOW PRESSURE CONTROL
CC	COMPRESSOR CONTACTOR	OFM	OUTDOOR FAN MOTOR
CCH	CRANKCASE HEATER	OPT	OPTIONAL
COMP	COMPRESSOR	PL	PLUG
CT	CONTROL TRANSFORMER	RC	RUN CAPACITOR
FU	FUSE	TB	TERMINAL BLOCK
GND	GROUND	TDC	TIME DELAY CONTROL
HGS	HOT GAS SENSOR		WIRE NUT
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR		

NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. HGS LOCATED IN TOP OF COPELAND ZR**K1 COMPRESSORS ONLY.
7. BROWN AND YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.

WIRING INFORMATION

LINE VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

LOW VOLTAGE
- -FACTORY STANDARD
- -FACTORY OPTION
- -FIELD INSTALLED

REPLACEMENT WIRE
- -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)

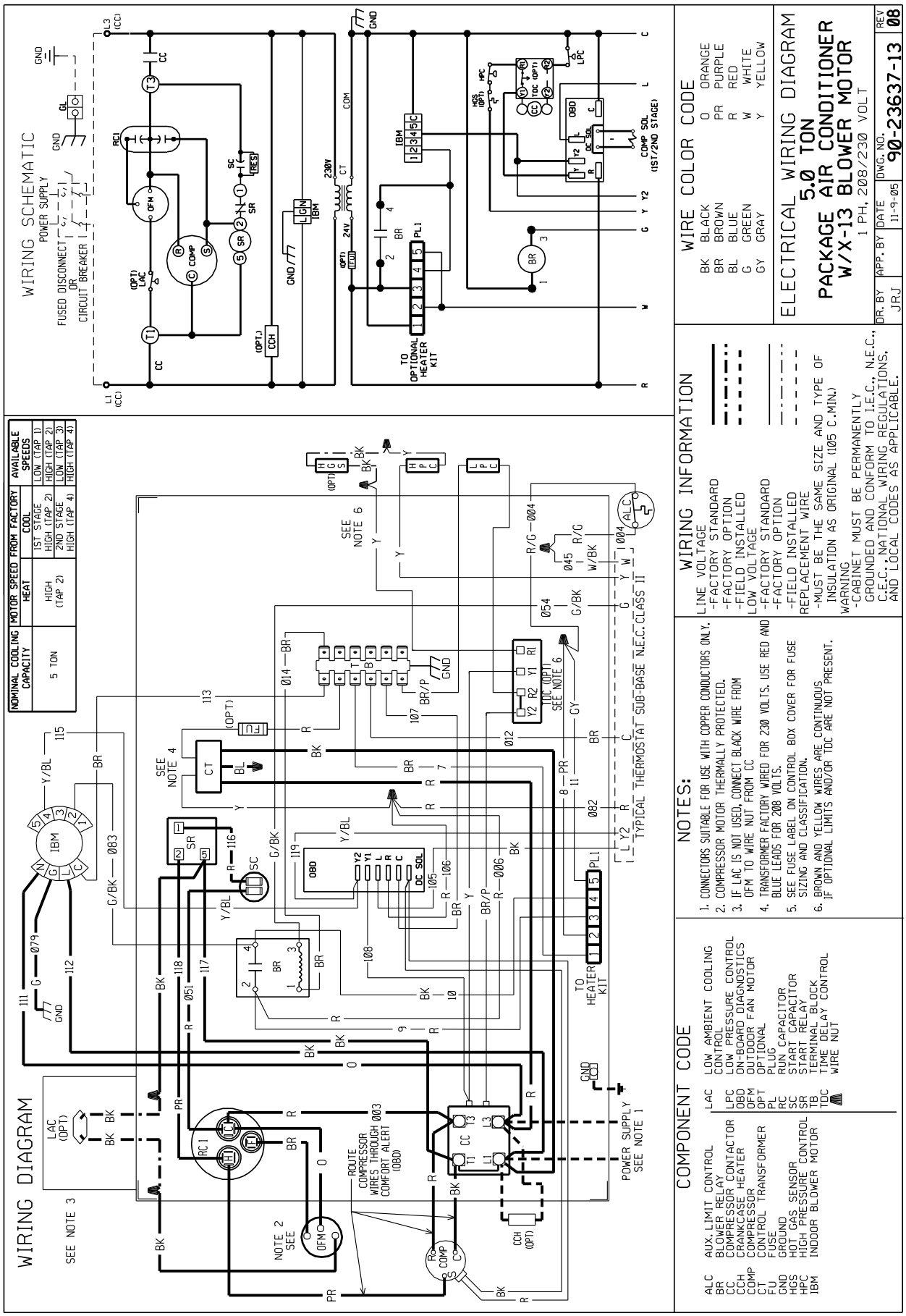
WARNING
- -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

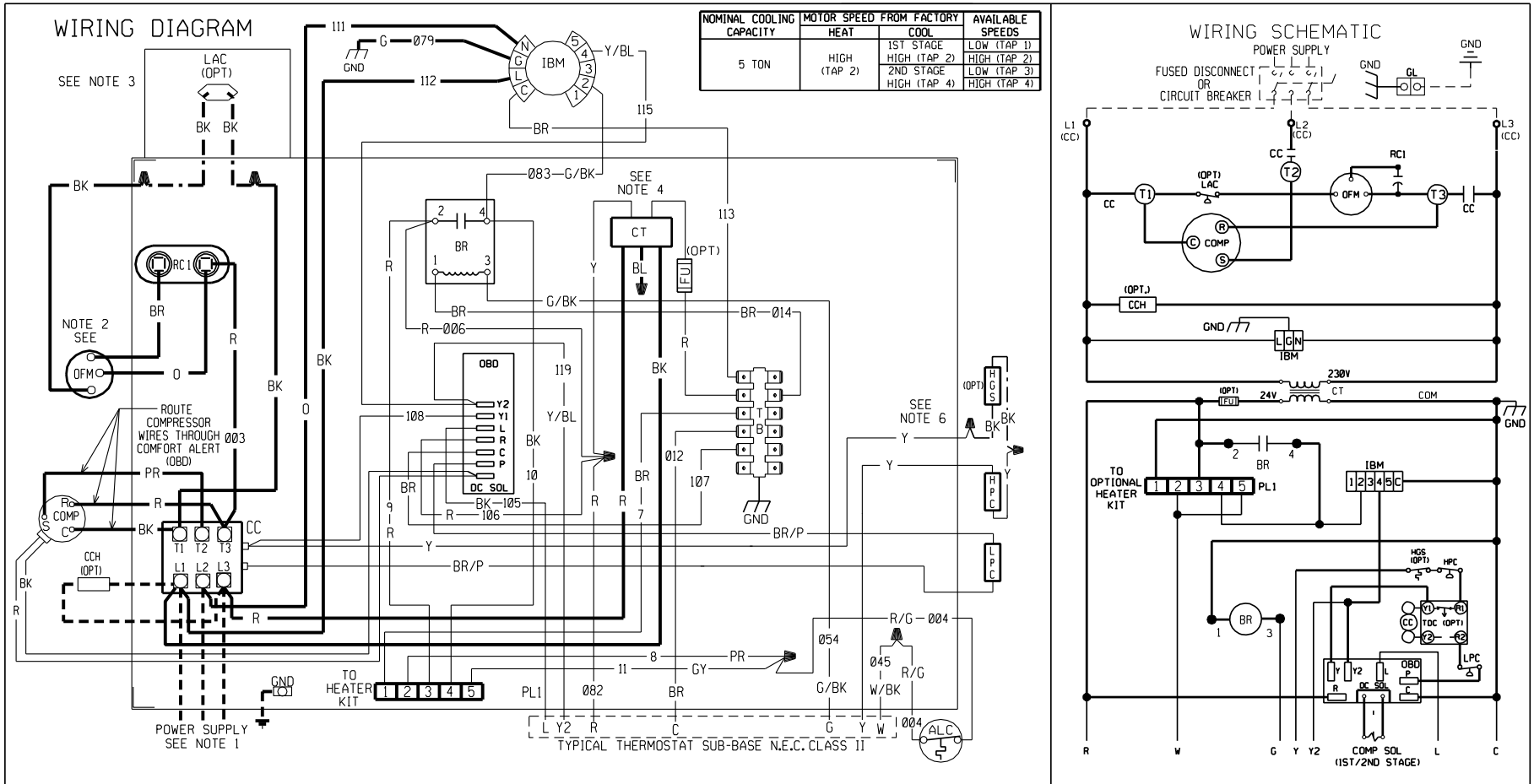
WIRE COLOR CODE

BK	BLACK	O	ORANGE
BR	BROWN	PR	PURPLE
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

ELECTRICAL WIRING DIAGRAM
3.0-5.0 TON SINGLE STAGE PACKAGE AIR CONDITIONER W/X-13 BLOWER MOTOR
3 PH, 208/230 VOLT

DR. BY	APP. BY	DATE	DWG. NO.	REV
JRJ		9-26-05	90-23637-12	06


WIRING SCHEMATIC
POWER SUPPLY
FUSED DISCONNECT OR CIRCUIT BREAKER
GND
L3 (CC)
L1 (CC)
CC
T3
T1
RC1
OFM
COMP
SR
SC
(RES)
(OPT) LAC
(OPT.) CCH
GND
IBM
230V
CT
COM
(OPT) HEAT
24V
PL1
TO OPTIONAL HEATER KIT
HPC
HGS (OPT)
TDC (OPT)
LPC
OBD
DC SOL
COMP SOL (1ST/2ND STAGE)
WIRING DIAGRAM
LAC (OPT)
SEE NOTE 3
ROUTE COMPRESSOR WIRES THROUGH COMFORT ALERT (OBD)
NOTE 2 SEE
TO HEATER KIT
POWER SUPPLY SEE NOTE 1
SEE NOTE 4
SEE NOTE 6
TYPICAL THERMOSTAT SUB-BASE N.E.C. CLASS II
ALC
NOMINAL COOLING CAPACITY
MOTOR SPEED FROM FACTORY
HEAT
COOL
AVAILABLE SPEEDS
5 TON
HIGH (TAP 2)
1ST STAGE
HIGH (TAP 2)
LOW (TAP 1)
2ND STAGE
HIGH (TAP 4)
LOW (TAP 3)
HIGH (TAP 4)
COMPONENT CODE
ALC AUX. LIMIT CONTROL
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FU FUSE
GND GROUND
HGS HOT GAS SENSOR
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OBD ON-BOARD DIAGNOSTICS
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL PLUG
PL RUN CAPACITOR
RC START CAPACITOR
SC START RELAY
SR TERMINAL BLOCK
TB TIME DELAY CONTROL
TDC WIRE NUT
NOTES:
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. BROWN AND YELLOW WIRES ARE CONTINUOUS IF OPTIONAL LIMITS AND/OR TDC ARE NOT PRESENT.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.
WIRE COLOR CODE
BK BLACK
BR BROWN
BL BLUE
G GREEN
GY GRAY
O ORANGE
PR PURPLE
R RED
W WHITE
Y YELLOW
ELECTRICAL WIRING DIAGRAM
5.0 TON
PACKAGE AIR CONDITIONER
W/X-13 BLOWER MOTOR
1 PH, 208/230 VOLT
DR. BY JRJ
APP. BY
DATE 11-9-05
DWG. NO. 90-23637-13
REV 08



COMPONENT CODE

ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LPC	LOW PRESSURE CONTROL
CC	COMPRESSOR CONTACTOR	OBD	ON-BOARD DIAGNOSTICS
CCH	CRANKCASE HEATER	OFM	OUTDOOR FAN MOTOR
COMP	COMPRESSOR	OPT	OPTIONAL
CT	CONTROL TRANSFORMER	PL	PLUG
FU	FUSE	RC	RUN CAPACITOR
GND	GROUND	SC	START CAPACITOR
HGS	HOT GAS SENSOR	SR	START RELAY
HPC	HIGH PRESSURE CONTROL	TB	TERMINAL BLOCK
IBM	INDOOR BLOWER MOTOR		WIRE NUT

NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. BROWN AND YELLOW WIRES ARE CONTINUOUS IF OPTIONAL LIMITS ARE NOT PRESENT.

WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)

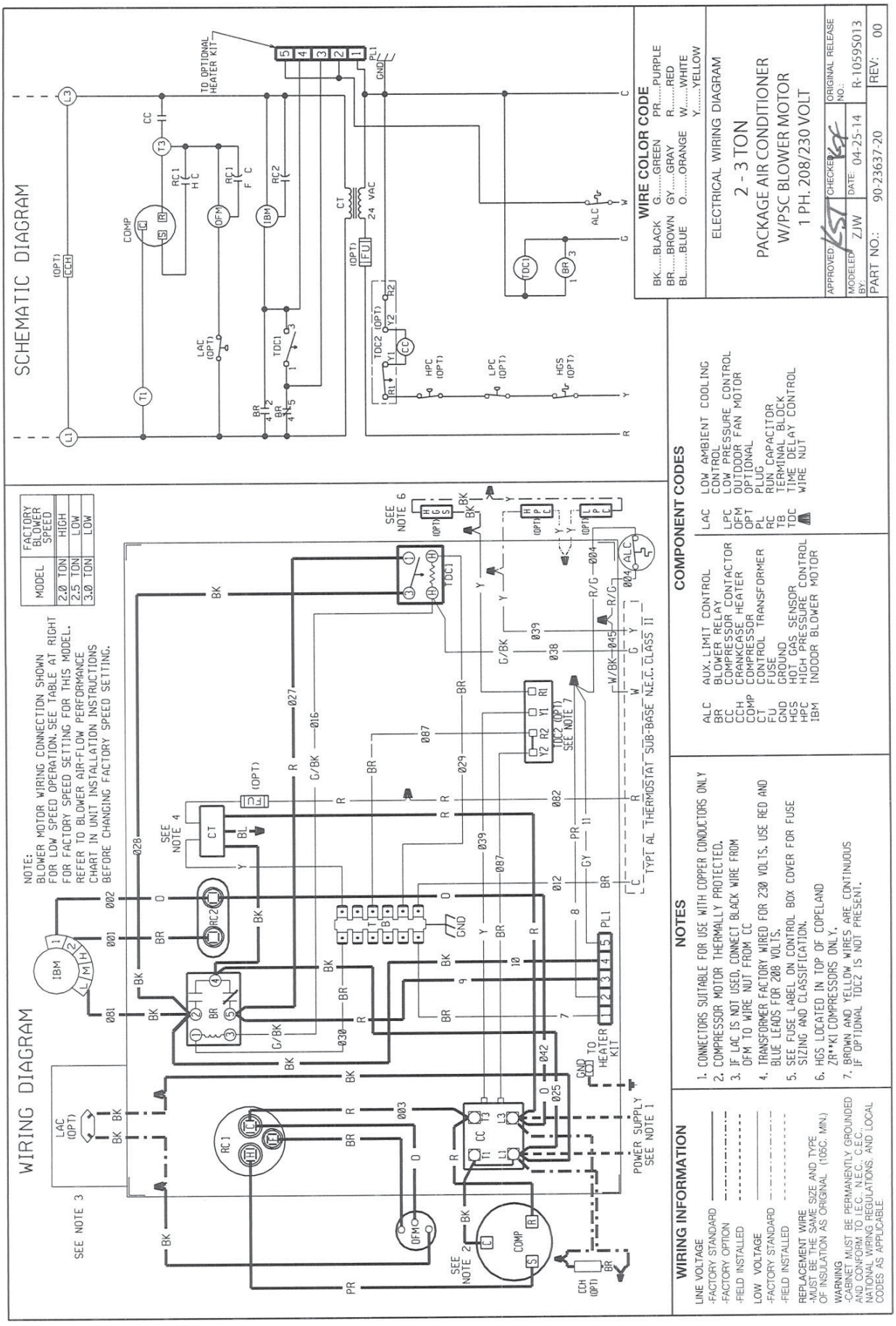
WARNING
- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

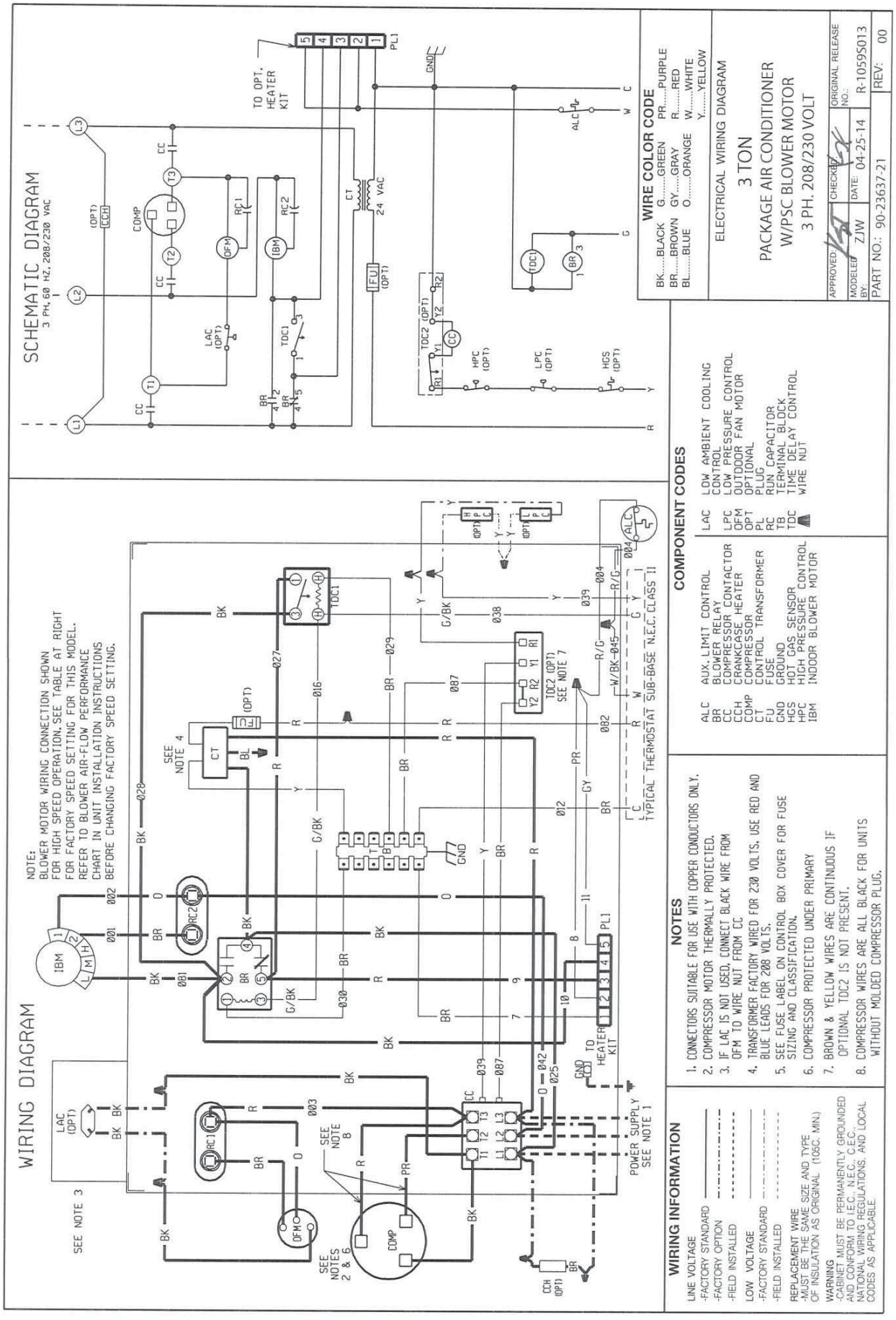
WIRE COLOR CODE

BK	BLACK	O	ORANGE
BR	BROWN	PR	PURPLE
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

ELECTRICAL WIRING DIAGRAM
5.0 TON
PACKAGE AIR CONDITIONER
W/X-13 BLOWER MOTOR
3 PH, 208/230 VOLT

DR. BY	APP. BY	DATE	DWG. NO.	REV
JRJ		11-10-05	90-23637-14	08


SCHEMATIC DIAGRAM
WIRE COLOR CODE
BK.....BLACK G.....GREEN PR.....PURPLE
BR.....BROWN GY.....GRAY R.....RED
BL.....BLUE O.....ORANGE W.....WHITE
Y.....YELLOW
ELECTRICAL WIRING DIAGRAM
2 - 3 TON
PACKAGE AIR CONDITIONER
W/PSC BLOWER MOTOR
1 PH. 208/230 VOLT
APPROVED KST CHECKED KF ORIGINAL RELEASE NO.:
MODELED BY: ZJW DATE 04-25-14 R-1059S013
PART NO.: 90-23637-20 REV: 00
WIRING DIAGRAM
NOTE:
BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.
MODEL | FACTORY BLOWER SPEED
2.0 TON | HIGH
2.5 TON | LOW
3.0 TON | LOW
COMPONENT CODES
ALC AUX. LIMIT CONTROL
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FU FUSE
GND GROUND
HGS HOT GAS SENSOR
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL PLUG
PL RUN CAPACITOR TERMINAL BLOCK
RC TIME DELAY CONTROL
TB WIRE NUT
TDC
NOTES
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. HGS LOCATED IN TOP OF COPELAND ZR**KI COMPRESSORS ONLY.
7. BROWN AND YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FIELD INSTALLED
REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105C. MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE


SCHEMATIC DIAGRAM
3 PH, 60 HZ, 208/230 VAC
TO OPT. HEATER KIT
WIRE COLOR CODE
BK.....BLACK G.....GREEN PR.....PURPLE
BR.....BROWN GY.....GRAY R.....RED
BL.....BLUE O.....ORANGE W.....WHITE
Y.....YELLOW
ELECTRICAL WIRING DIAGRAM
3 TON
PACKAGE AIR CONDITIONER
W/PSC BLOWER MOTOR
3 PH. 208/230 VOLT
APPROVED
CHECKED
ORIGINAL RELEASE NO.:
MODELED BY: ZJW
DATE: 04-25-14
R-1059S013
PART NO.: 90-23637-21
REV: 00
WIRING DIAGRAM
NOTE:
BLOWER MOTOR WIRING CONNECTION SHOWN FOR HIGH SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.
COMPONENT CODES
ALC AUX. LIMIT CONTROL
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FU FUSE
GND GROUND
HGS HOT GAS SENSOR
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL PLUG
PL RUN CAPACITOR TERMINAL BLOCK
RC TIME DELAY CONTROL
TB WIRE NUT
TDC
NOTES
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM CC
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
6. COMPRESSOR PROTECTED UNDER PRIMARY
7. BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.
8. COMPRESSOR WIRES ARE ALL BLACK FOR UNITS WITHOUT MOLDED COMPRESSOR PLUG.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FIELD INSTALLED
REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105C. MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE
TYPICAL THERMOSTAT SUB-BASE N.E.C. CLASS II
POWER SUPPLY SEE NOTE 1
SEE NOTE 3
SEE NOTES 2 & 6
SEE NOTE 8
SEE NOTE 4
TDC2 (OPT) SEE NOTE 7
TO HEATER KIT

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

GENERAL TERMS OF LIMITED WARRANTY*

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

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

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

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

Ruud Heating, Cooling & Water Heating • P.O. Box 17010
Fort Smith, Arkansas 72917 • www.ruud.com

Ruud Canada • 125 Edgeware Road, Unit 1
Brampton, Ontario • L6Y 0P5

PRINTED IN U.S.A. 4/17 QG FORM NO. S22-969 REV. 2