PACKAGE GAS / ELECTRIC ROOFTOP UNITS

FORM NO. R11-833 REV. 2
Supersedes Form No. R11-833 Rev. 1

RKKB- STANDARD EFFICIENCY SERIES
NOMINAL SIZES 7.5-15 TONS [26.4-52.8 kW]
ASHRAE 90.1-1989 COMPLIANT MODELS

RKMB- HIGH EFFICIENCY SERIES
NOMINAL SIZES 7.5-12.5 TONS [26.4-44.0 kW]
ASHRAE 90.1-1999 COMPLIANT MODELS

RKNB- SUPER HIGH EFFICIENCY SERIES
NOMINAL SIZES 7.5-10 TON [26.4-35.2 kW]
ENERGYSTAR COMPLIANT MODELS

Accredited by the RvA
ISO 9001:2000
Certificate Number: 30164

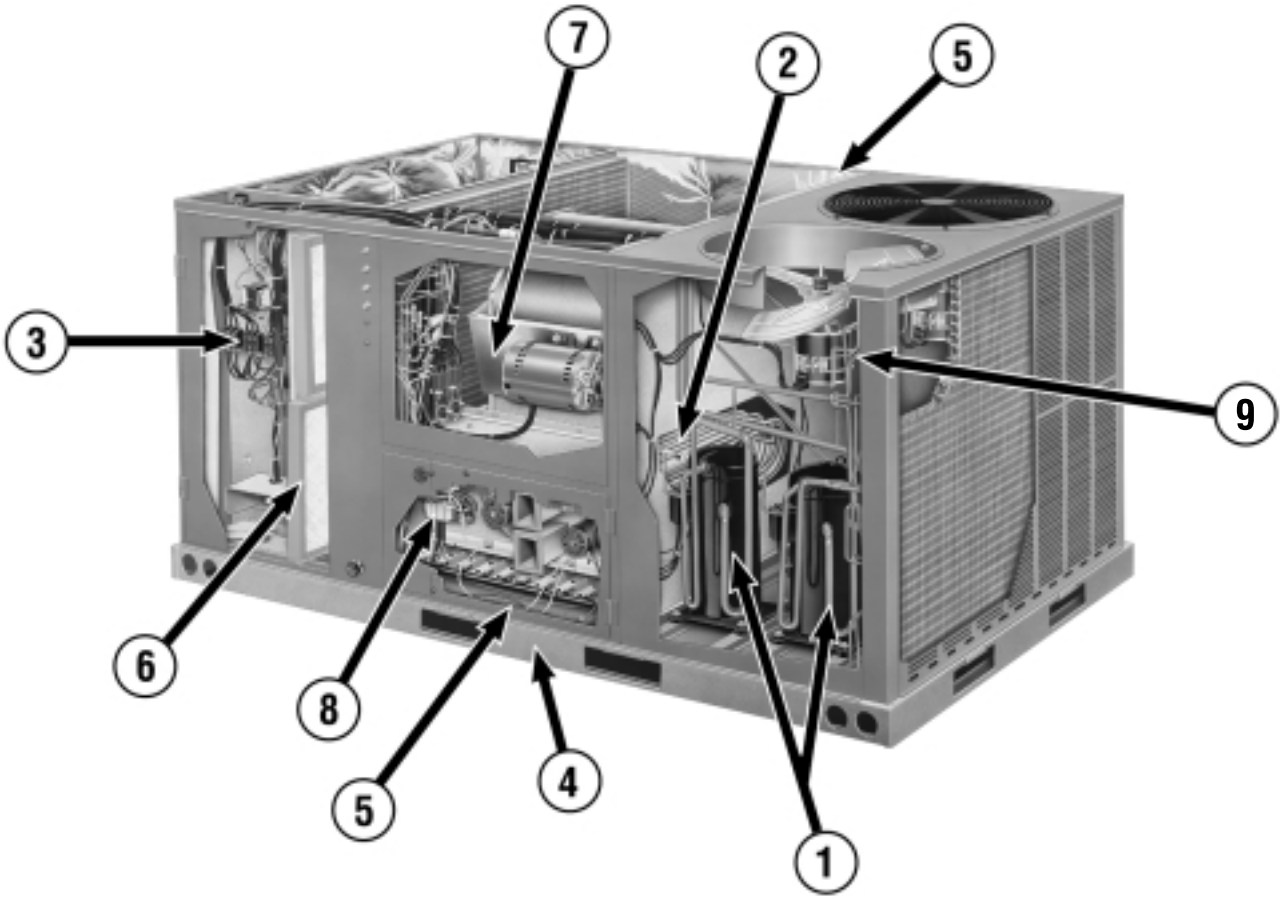
c UL us LISTED

ENERGY STAR PARTNER

RKNB- MODELS ONLY

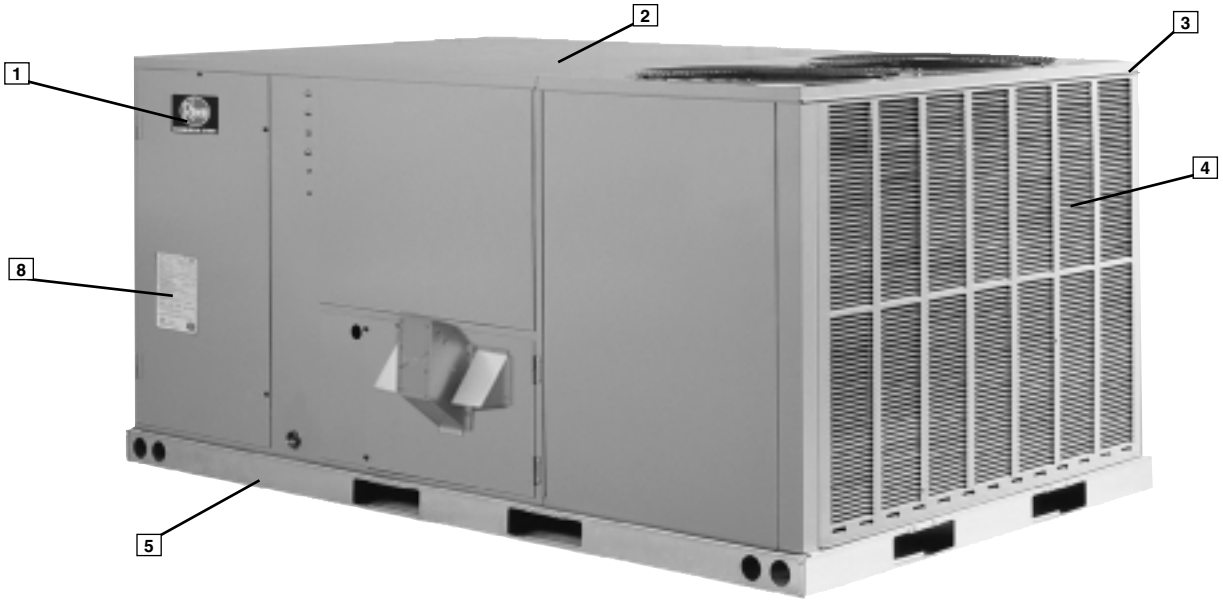
TABLE OF CONTENTS

These quality features are included in the Rheem Gas Heat / Electric Cooling Package Unit



1. Twin Scroll Compressors for two-stage cooling
2. Tubular heat exchanger for long-life
3. Solid state furnace controls with on-board diagnostics
4. Forkable base rails for easy handling
5. One-piece top, one-piece drawn indoor base pan for superior water management
6. Easy access factory installed filters
7. Slide-out blower assembly for easy maintenance
8. Two-stage gas valve and direct spark ignition for efficiency and reliability

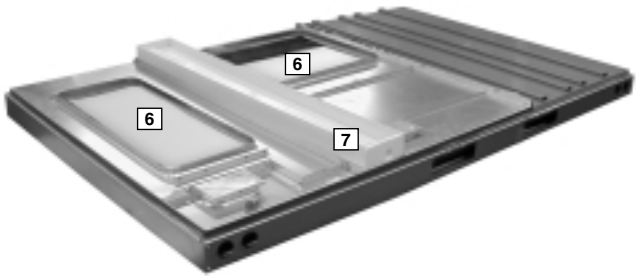
UNIT FEATURES & BENEFITS—RKKB/RKMB/RKNB- SERIES



Rheem Package equipment is designed from the ground up with the latest features and benefits required to compete in today's market. The clean design stands alone in the industry and is a testament to the quality, reliability, ease of installation and serviceability that goes into each unit. Outwardly, the large Rheem *Commercial Series*™ label (1) identifies the brand to the customer.

The sheet-metal cabinet (2) uses nothing less than 18-gauge material for structural components with an underlying coat of G90. To ensure the leak-proof integrity of these units, the design utilizes a one-piece top with a 1/8" drip lip (3), gasket-protected panels and screws. The Rheem hail guard (4) is its trademark, and sets the standard for coil protection in the industry. Every Rheem package unit uses the toughest finish in the industry, using electro deposition baked-on enamel tested to withstand a rigorous 1000-hour salt spray test, per ASTM B117.

Anything built to last must start with the right foundation. In this case, the foundation is 14-gauge, commercial-grade, full-perimeter base rails (5), which integrate fork slots and rigging holes to save set-up time on the job site. The base pan is stamped, which forms a 1-1/8" flange around the supply and return opening and has eliminated the worry of water entering the conditioned space (6). The drainpan (7) is made of material that resists the growth of harmful bacteria and is sloped for the latest IAQ benefits. The insulation has been placed on the underside of the basepan, removing areas that would allow for potential moisture accumulation, which can facilitate growth of harmful bacteria. All insulation is secured with both adhesive and mechanical fasteners, and all edges are hidden.

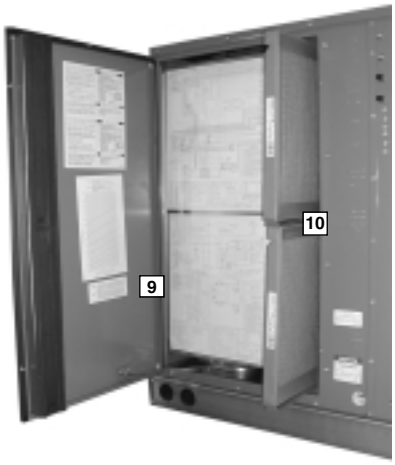


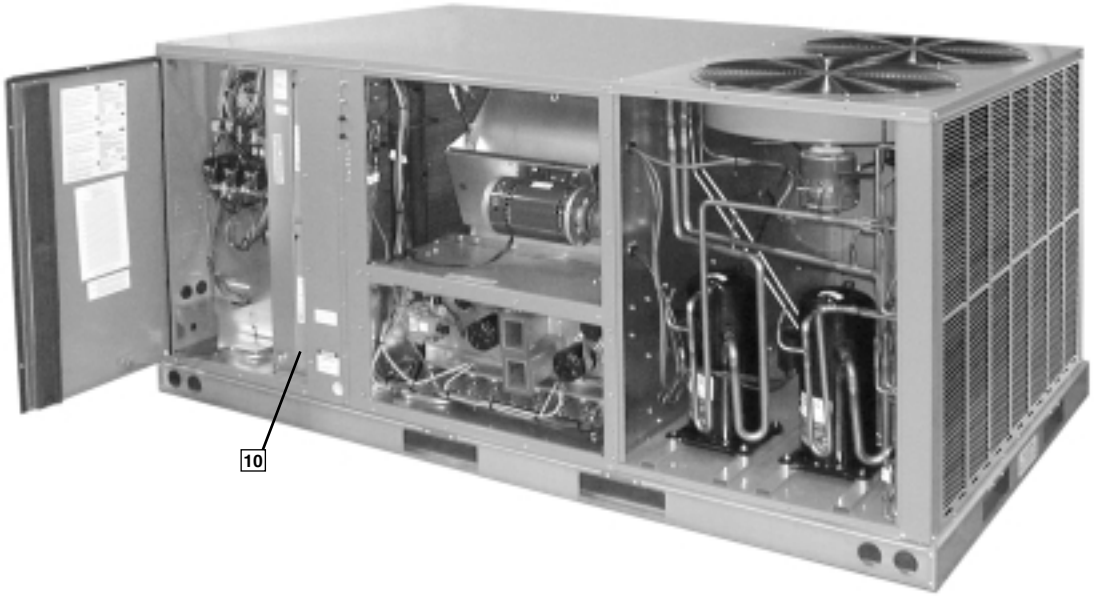
During development, each unit was tested to U.L. 1995, ANSI 21.47, ARI 340-370 and other Rheem-required reliability tests. Rheem adheres to stringent IS0 9002 quality procedures, and each unit bears the U.L. and ARI certification labels located on the unit nameplate (8). Contractors can rest assured that when a Rheem package unit arrives at the job, it is ready to go with a factory charge and quality checks. Each unit also proudly displays the "Made in the USA" designation.

Access to all major compartments is from the front of the unit, including the filter and electrical compartment, blower compartment, furnace section, and outdoor section. Each panel is permanently embossed with the compartment name (control/filter access, blower access and furnace access).

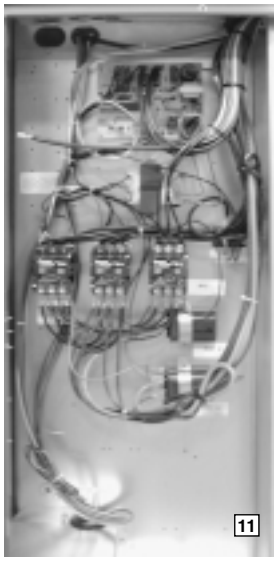
Electrical and filter compartment access is through a large, toolless, hinged-access panel. On the outside of the panel is the unit nameplate, which contains the model and serial number, electrical data and other important unit information.

The unit charging chart is located on the inside of the electrical and filter compartment door. Electrical wiring diagrams are found on the control box cover, which allows contractors to move them to more readable locations. To the right of the control box the model and serial number can be found. Having this information on the inside will assure model identification for the life of the product. The production line quality test assurance label is also placed in this location (9). The two-inch throwaway filters (10) are easily removed on a tracked system for easy replacement.





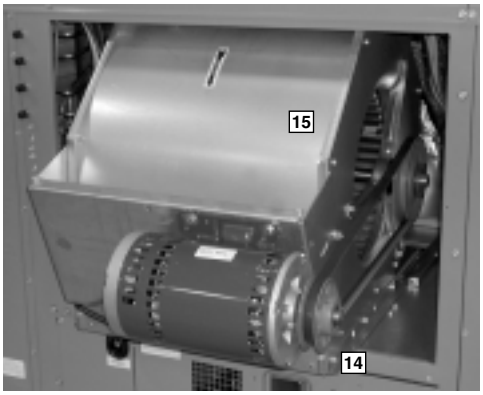
Inside the control box (11), each electrical component is clearly identified with a label that matches the component to the wire diagram for ease of trouble shooting. All wiring is numbered on each end of the termination and color-coded to match the wiring diagram. The integrated furnace control, used to control furnace operation, incorporates a flashing LED troubleshooting device. Flash codes are clearly outlined on the unit wiring diagram. The control transformer has a low voltage circuit breaker that trips if a low voltage electrical short occurs. There is a blower contactor and compressor contactor for each compressor.

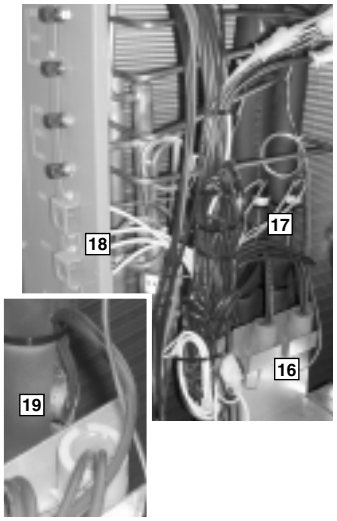


For added convenience in the field, a factory-installed convenience outlet and disconnect (12) are available. Low and High voltage can enter either from the side or through the base. Low-voltage connections are made through the low-voltage terminal strip. For ease of access, the U.L.-required low voltage barrier can be temporarily removed for low-voltage termination and then reinstalled. The high-voltage connection is terminated at the number 1 compressor contactor. The suggested mounting for the field-installed disconnect is on the exterior side of the electrical control box.

To the right of the electrical and filter compartment are the externally mounted gauge ports, which are permanently identified by embossed wording that clearly identifies the compressor circuit, high pressure connection and low pressure connection (13). With the gauge ports mounted externally, an accurate diagnostic of system operation can be performed quickly and easily.

The blower compartment is to the right of the gauge ports and can be accessed by removing 5/16" washer-head screws. This panel is not hinged to assure a water-tight fit with the unit. To allow easy maintenance of the blower assembly, the entire assembly easily slides out by removing two 3/8" screws from the blower retention bracket. The adjustable motor pulley (14) can easily be adjusted by loosening the bolts on either side of the motor mount. Removing the bolts allows for easy removal of the blower pulley by pushing the blower assembly up to loosen the belt. Once the belt is removed, the motor sheave can be adjusted to the desired number of turns, ranging from 0 to 6 turns open. Where the demands for the job require high static, Rheem has high-static drives available that deliver nominal airflow up to 2" of static. By referring to the airflow performance tables listed in the installation instructions, proper static pressure and CFM requirements can be dialed in. The scroll housing (15) and blower scroll provide quiet and efficient airflow. The blower sheave is secured by an “H” bushing which firmly secures the pulley to the blower shaft for years of trouble-free operation. The “H” bushing allows for easy removal of the blower pulley from the shaft, as opposed to the use of a set screw, which can score the shaft, creating burrs that make blower-pulley removal difficult.

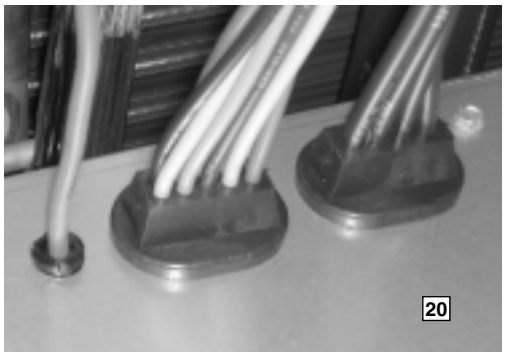


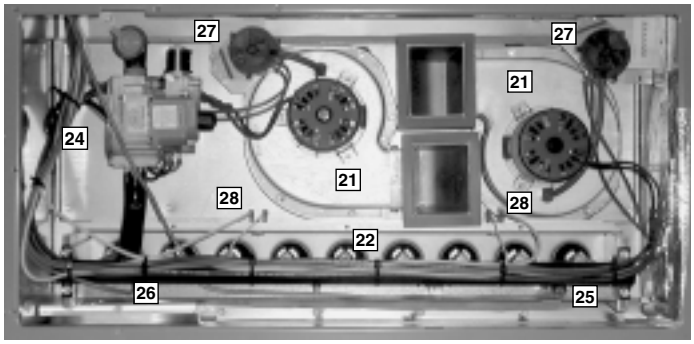


Also inside the blower compartment is the low-ambient control (16), low-pressure switch (17), high-pressure switch (18) and freeze stat refrigerant safety device (19). The low-ambient control allows for operation of the compressor down to 0 degrees ambient temperature by cycling the outdoor fans on high pressure. The high-pressure switch will shut off the compressors if pressures exceeds, 450 PSIG are detected, this may occur if the outdoor fan motor fails. The low-pressure switch shuts off the compressors if low pressure is detected due to loss of charge. The freeze stat protects the compressor if the evaporator coil gets too cold (below freezing) due to low airflow. Each factory-installed option is brazed into the appropriate high or low side and wired appropriately. Use of polarized plugs and sharder fittings allow for easy field installation.

Inside the blower compartment the interlaced evaporator can also be viewed. The evaporator uses enhanced fin technology for maximum heat transfer. The cap-tube metering device assures even distribution of refrigerant throughout the evaporator.

Wiring throughout the unit is neatly bundled and routed. Where wire harnesses go through the condenser bulkhead or blower deck, a molded wire harness assembly (20) provides an air-tight and water-tight seal, and provides strain relief. Care is also taken to tuck raw edges of insulation behind sheet metal to improve indoor air quality.

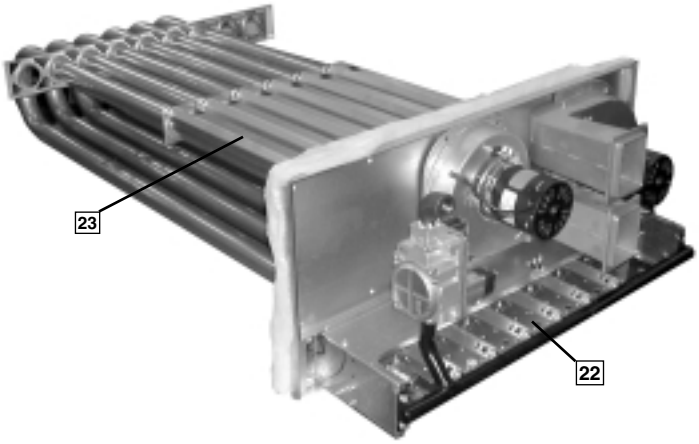


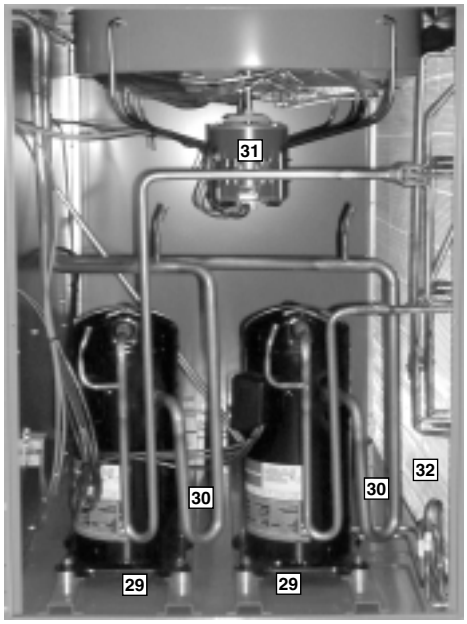


The furnace compartment contains the latest furnace technology on the market. The draft inducers (21) draw the flame from the Rheem exclusive in-shot burners (22) into the aluminized tubular heat exchanger (23) for clean, efficient gas heat. Stainless steel heat exchangers can be factory installed for those applications that have high fresh-air requirements, or applications in corrosive environments. Each furnace is equipment with a two-stage gas valve (24), which provides two stages of gas heat input. The first stage operates at 50% of the second stage (full fire). 81% steady state efficiency is maintained on both first and second stage by staging the multiple inducers to optimize the combustion airflow and maintain a near stioceometric burn at each stage.

The direct spark igniter (25) assures reliable ignition in the most adverse conditions. This is coupled with remote flame sense (26) to assure that the flame has carried across the entire length of the burner assembly. Gas supply can be routed from the side or up through the base.

Each furnace has the following safety devices to assure consistent and reliable operation after ignition:
- Pressures switches (27) to assure adequate combustion airflow before ignition.
- Rollout switches (28) to assure no obstruction or cracks in the heat exchanger.
- A limit device that protects the furnace from over-temperature problems.

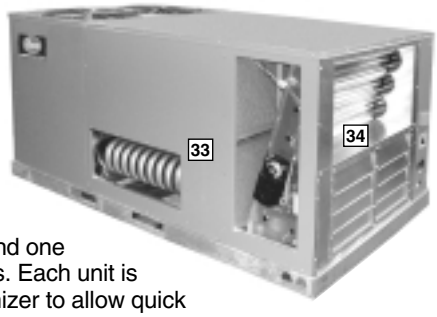




The compressor compartment houses the heartbeat of the unit. The scroll compressor (29) is known for its long life, and for reliable, quiet, and efficient operation. The suction and discharge lines are designed with shock loops (30) to absorb the strain and stress that the starting torque, steady state operation, and shut down cycle impose on the refrigerant tubing. Each compressor and circuit is independent for built-in redundancy, and each circuit is clearly marked throughout the system. Each unit has two stages of efficient cooling operation, first stage is approximately 50% of second stage.

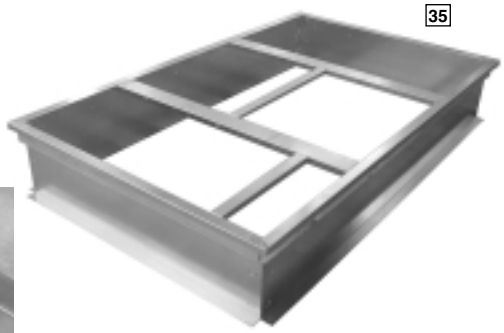
The condenser fan motor (31) can easily be accessed and maintained through the blower compartment. The polarized plug connection allows the motor to be changed quickly and eliminates the need to snake wires through the unit.

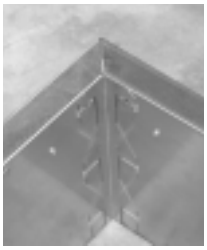
The outdoor coil uses the latest enhanced fin design (32) for the most effective method of heat transfer. The outdoor coil is protected by louvered panels, which allow unobstructed airflow while protecting the unit from both Mother Nature and vandalism.



Each unit is designed for both downflow or horizontal applications (33) for job configuration flexibility. The return air compartment can also contain an economizer (34). Two models exits, one for downflow applications, and one for horizontal applications. Each unit is pre-wired for the economizer to allow quick plug-in installation. The economizer is also available as a factory-installed option. Power Exhaust is easily field-installed. The economizer, which provides free cooling when outdoor conditions are suitable and also provides fresh air to meet local requirements, comes standard with single enthalpy controls. The controls can be upgraded to dual enthalpy easily in the field. The direct drive actuator combined with gear drive dampers has eliminated the need for linkage adjustment in the field. The economizer control has a minimum position setpoint, an outdoor-air setpoint, a mix-air setpoint, and a CO^2 setpoint. Barometric relief is standard on all economizers. The power exhaust is housed in the barometric relief opening and is easily slipped in with a plug-in assembly.

The Rheem roofcurb (35) is made for toolless assembly at the jobsite by sequentially engaging the corner brackets into the adjacent curb sides (36), which makes the assembly process quick and easy.





SELECTION PROCEDURE EXAMPLE—RKKB/RKMB/RKNB- SERIES

To select an RKKB- Cooling and Heating unit to meet a job requirement, follow this procedure, with example, using data supplied in this specification sheet.

1. DETERMINE COOLING AND HEATING REQUIREMENTS AND SPECIFIC OPERATING CONDITIONS FROM PLANS AND SPECS.

Example:

Total cooling capacity—	106,000 BTUH [31.26 kW]
Sensible cooling capacity—	82,000 BTUH [24.03 kW]
Heating capacity—	150,000 BTUH [43.96 kW]
*Condenser Entering Air—	95°F [35°C] DB
*Evaporator Mixed Air Entering—	65°F [18°C] WB; 78°F [26°C] DB
*Indoor Air Flow (vertical)—	3600 CFM [1699 L/s]
*External Static Pressure—	.40 in. WG

2. SELECT UNIT TO MEET COOLING REQUIREMENTS.

Since total cooling is within the range of a nominal 10 ton [35.2 kW] unit, enter cooling performance table at 95°F [35°C] DB condenser inlet air. Interpolate between 63°F [2°C] and 67°F [19°C] to determine total and sensible capacity and power input for 65°F [18°C] WB evap inlet air at 4000 CFM [1888 L/s] indoor air flow (table basis):

Total Capacity = 119,500 BTUH [35.02 kW]
Sensible Capacity = 101,200 BTUH [29.66 kW]
Power Input (Compressor and Cond. Fans) = 11,650 watts

Use formula [1.10 x CFM x (1 – DR) x (dbE – 80)] in note ① to determine sensible capacity at 80°F [26.7°C] DB evaporator entering air:

Sensible Capacity = 94,230 BTUH [27.62 kW]

3. CORRECT CAPACITIES OF STEP 2 FOR ACTUAL AIR FLOW.

Select factors from airflow correction table at 3600 CFM [1699 L/s] and apply to data obtained in step 2 to obtain gross capacity:

Total Capacity, 119,500 x .98 = 117,110 BTUH [34.32 kW]
Sensible Capacity, 94,230 x .95 = 89,519 BTUH [26.24 kW]
Power Input 11,650 x .99 = 11,534 Watts

These are Gross Capacities, not corrected for blower motor heat or power.

4. DETERMINE BLOWER SPEED AND WATTS TO MEET SYSTEM DESIGN.

Enter Indoor Blower performance table at 3600 CFM [1699 L/s]. Total ESP (external static pressure) per the spec of .40 in. includes the system duct and grilles. Add from the table "Component Air Resistance," .076 for wet coil, .13 for vertical air flow, for a total selection static pressure of .606 (.6) inches of water, and determine:

RPM = 796
WATTS = 1,650
DRIVE = L (standard 2 H.P. motor)

5. CALCULATE INDOOR BLOWER BTUH HEAT EFFECT FROM MOTOR WATTS, STEP 4.

BTUH = 1,650 x 3.412 = 5,630

6. CALCULATE NET COOLING CAPACITIES, EQUAL TO GROSS CAPACITY, STEP 3, MINUS INDOOR BLOWER MOTOR HEAT.

Net Total Capacity = 117,110 – 5,630 = 111,480 BTUH [32.67 kW]

Net Sensible Capacity = 89,519 – 5,630 = 83,889 BTUH [24.59 kW]

7. CALCULATE UNIT INPUT AND JOB EER.

Total Power Input = 11,534 (step 3) + 1,650 (step 4) = 13,184 Watts

$$\text{EER} = \frac{\text{Net Total BTUH [kW] (step 6)}}{\text{Power Input, Watts (above)}} = \frac{111{,}480}{13{,}184} = 8.46$$

8. SELECT UNIT HEATING CAPACITY.

From Physical Data Table read that gas heating output (input rating x efficiency) is:

Heating Capacity = 182,300 BTUH [53.43 kW]

*NOTE: These operating conditions are typical of a commercial application in a 95°F/79°F [35°C/26°C] design area with indoor design of 76°F [24°C] DB and 50% RH and 10% ventilation air, with the unit roof mounted and centered on the zone it conditions by ducts.

[ ] Designates Metric Conversions

R K K B — A 090 C L 15 E X X X

- Economizer Option (See Next Page)
- Factory Installed Options (See Next Page)
- Ignition System
  E = Electric
- Heating Capacity (MBH)
  15 = 150,000 [44.0]
  22 = 225,000 [65.9]
  25 = 252,000 [73.9]
- Drive Package
  L = Belt Drive
  M = Belt Drive—High Static
  N = Belt Drive—RKNB- A090 Only
- Electrical Designation
  C = 208-230 V, 3 PH, 60 Hz
  D = 460 V, 3 PH, 60 Hz
  Y = 575 V, 3 PH, 60 Hz
  P = 200-220 V, 3 PH, 50 Hz
  N = 380-415 V, 3 PH, 50 Hz
- Cooling Capacity (BTUH) [kW]
  090 = 90,000 [26.38]
  102 = 102,000 [29.89]
  120 = 120,000 [35.17]
  150 = 150,000 [43.96]
  181 = 180,000 [52.75]
- Future Technical Variations
- Design Series
  B = Commercial Series
- Efficiency Designation
  K = Standard Efficiency
  ASHRAE 90.1-1989 Compliant
  M = High Efficiency
  ASHRAE 90.1-1999 Compliant
  N = Super High Efficiency
  EnergyStar Compliant
- Product Classification
  K = Rooftop—Commercial
- Tradebrand
  R = Rheem Packaged Gas/Electric

[ ] Designates Metric Conversions

FACTORY INSTALLED OPTION CODES FOR KKB, KMB & KNB (7.5 TO 12.5 TON) [26.4 TO 44.0 kW]

Option Code	High and Low Pressure	Hail Guard	Low Ambient Time Delay Freeze Stat	Unwired Convenience Outlet / Unfused Services Disconnect	Stainless Steel Heat Exchanger
AA	No Options				
AC	x				
AD		x			
AF			x		
AH				x	
AJ					x
BB	x	x			
BF		x		x	
BG		x			x
BK	x		x		
BN			x	x	
CA	x	x			x
CD	x	x	x		
DG	x	x	x	x	
DH	x	x	x		x
EA	x	x	x	x	x

FACTORY INSTALLED OPTION CODES FOR KKB-A181

Option Code	Hail Guard	Low Ambient Time Delay Freeze Stat	Unwired Convenience Outlet / Unfused Services Disconnect	Stainless Steel Heat Exchanger
AA	No Options			
AD	x			
AF		x		
AH			x	
AJ				x
BD	x	x		
BF	x		x	
BG	x			x
BN		x	x	
CJ	x	x	x	
CQ	x	x		x
DL	x	x	x	x

"x" indicates factory installed option.

ECONOMIZER SELECTION FOR KKB, KMB & KNB (7.5 TO 15 TON) [26.4 TO 52.8 kW]

	No Economizer	Single Enthalpy Economizer With Barometric Relief
A	x	
B		x

"x" indicates factory installed option.

Instructions for Factory Installed Option(s) Selection

Note: Three characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

Step 1. After a basic rooftop model is selected, choose a *two-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

Proceed to Step 2.

Step 2. The last option code character is utilized for factory-installed economizers. Choose a character from the FACTORY INSTALLED ECONOMIZER SELECTION TABLE.

Examples:

RKKB-A120CL22E .....this unit has no factory installed options.

RKKB-A120CL22E**BBA** .....this unit is equipped with *high and low pressure switches and hail guards.*

RKMB-A120CL22E**AHA** .....this unit is equipped with a *convenience outlet and service disconnect.*

RKMB-A120CL22E**AHB** .....this unit is equipped as above *and* includes an *Economizer with single enthalpy sensor and with barometric relief.*

RKMB-A120CL22E**AAB** .....this unit is equipped with an *Economizer with single enthalpy sensor and Barometric Relief.*

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A090CL15E	A090CL22E	A090CM15E	A090CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
EER/SEER[2]	9.2/NA	9.2/NA	9.2/NA	9.2/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]
ARI Net Cooling Capacity Btu [kW]	87000 [25.5]	87000 [25.5]	87000 [25.5]	87000 [25.5]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	19000 [5.6]	19000 [5.6]	19000 [5.6]	19000 [5.6]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	9.4	9.4	9.4	9.4
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]
Weights				
Net Weight lbs. [kg]	1015 [460]	1035 [469]	1023 [464]	1043 [473]
Ship Weight lbs. [kg]	1078 [489]	1098 [498]	1086 [493]	1106 [502]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A090DL15E	A090DL22E	A090DM15E	A090DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
EER/SEER[2]	9.2/NA	9.2/NA	9.2/NA	9.2/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]
ARI Net Cooling Capacity Btu [kW]	87000 [25.5]	87000 [25.5]	87000 [25.5]	87000 [25.5]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	19000 [5.6]	19000 [5.6]	19000 [5.6]	19000 [5.6]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	9.4	9.4	9.4	9.4
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]
Weights				
Net Weight lbs. [kg]	1015 [460]	1035 [469]	1023 [464]	1043 [473]
Ship Weight lbs. [kg]	1078 [489]	1098 [498]	1086 [493]	1106 [502]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A090YL15E	A090YL22E	A090YM15E	A090YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
EER/SEER[2]	9.2/NA	9.2/NA	9.2/NA	9.2/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]	2900/3200 [1369/1510]
ARI Net Cooling Capacity Btu [kW]	87000 [25.5]	87000 [25.5]	87000 [25.5]	87000 [25.5]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	19000 [5.6]	19000 [5.6]	19000 [5.6]	19000 [5.6]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	9.4	9.4	9.4	9.4
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]	67/67 [1899/1899]
Weights				
Net Weight lbs. [kg]	1015 [460]	1035 [469]	1023 [464]	1043 [473]
Ship Weight lbs. [kg]	1078 [489]	1098 [498]	1086 [493]	1106 [502]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A102CL15E	A102CL22E	A102CM15E	A102CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	9.4/NA	9.4/NA	9.4/NA	9.4/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	10.6	10.6	10.6	10.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]
Weights				
Net Weight lbs. [kg]	1054 [478]	1066 [484]	1054 [478]	1074 [487]
Ship Weight lbs. [kg]	1117 [507]	1129 [512]	1117 [507]	1137 [516]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A102DL15E	A102DL22E	A102DM15E	A102DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	9.4/NA	9.4/NA	9.4/NA	9.4/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	10.6	10.6	10.6	10.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]
Weights				
Net Weight lbs. [kg]	1046 [474]	1066 [484]	1054 [478]	1074 [487]
Ship Weight lbs. [kg]	1109 [503]	1129 [512]	1117 [507]	1137 [516]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A102YL15E	A102YL22E	A102YM15E	A102YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	9.4/NA	9.4/NA	9.4/NA	9.4/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	10.5	10.5	10.5	10.5
Net System Power kW	10.6	10.6	10.6	10.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]	68/68 [1928/1928]
Weights				
Net Weight lbs. [kg]	1046 [474]	1066 [484]	1058 [480]	1074 [487]
Ship Weight lbs. [kg]	1109 [503]	1129 [512]	1117 [507]	1137 [516]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A120CL15E	A120CL22E	A120CM15E	A120CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	125000 [36.6]	125000 [36.6]	125000 [36.6]	125000 [36.6]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Latent Capacity Btu [kW]	30000 [8.8]	30000 [8.8]	30000 [8.8]	30000 [8.8]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	13.3	13.3	13.3	13.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]
Weights				
Net Weight lbs. [kg]	1051 [477]	1051 [477]	1059 [480]	1059 [480]
Ship Weight lbs. [kg]	1114 [505]	1114 [505]	1122 [509]	1122 [509]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A120DL15E	A120DL22E	A120DM15E	A120DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	125000 [36.6]	125000 [36.6]	125000 [36.6]	125000 [36.6]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Latent Capacity Btu [kW]	30000 [8.8]	30000 [8.8]	30000 [8.8]	30000 [8.8]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	13.3	13.3	13.3	13.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]
Weights				
Net Weight lbs. [kg]	1051 [477]	1051 [477]	1059 [480]	1059 [480]
Ship Weight lbs. [kg]	1114 [505]	1114 [505]	1122 [509]	1122 [509]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A120YL15E	A120YL22E	A120YM15E	A120YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	125000 [36.6]	125000 [36.6]	125000 [36.6]	125000 [36.6]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Latent Capacity Btu [kW]	30000 [8.8]	30000 [8.8]	30000 [8.8]	30000 [8.8]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	13.3	13.3	13.3	13.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]	80/80 [2268/2268]
Weights				
Net Weight lbs. [kg]	1051 [477]	1051 [477]	1059 [480]	1059 [480]
Ship Weight lbs. [kg]	1114 [505]	1114 [505]	1122 [509]	1122 [509]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A150CL15E	A150CL25E	A150CM15E	A150CM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	152000 [44.5]	152000 [44.5]	152000 [44.5]	152000 [44.5]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]
ARI Net Cooling Capacity Btu [kW]	144000 [42.2]	144000 [42.2]	144000 [42.2]	144000 [42.2]
Net Sensible Capacity Btu [kW]	108000 [31.6]	108000 [31.6]	108000 [31.6]	108000 [31.6]
Net Latent Capacity Btu [kW]	36000 [10.5]	36000 [10.5]	36000 [10.5]	36000 [10.5]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	16	16	16	16
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	15-45 [8.3-25]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]
Weights				
Net Weight lbs. [kg]	1125 [510]	1125 [510]	1059 [480]	1151 [522]
Ship Weight lbs. [kg]	1162 [527]	1162 [527]	1122 [509]	1188 [539]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A150DL15E	A150DL25E	A150DM15E	A150DM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	152000 [44.5]	152000 [44.5]	152000 [44.5]	152000 [44.5]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]
ARI Net Cooling Capacity Btu [kW]	144000 [42.2]	144000 [42.2]	144000 [42.2]	144000 [42.2]
Net Sensible Capacity Btu [kW]	108000 [31.6]	108000 [31.6]	108000 [31.6]	108000 [31.6]
Net Latent Capacity Btu [kW]	36000 [10.5]	36000 [10.5]	36000 [10.5]	36000 [10.5]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	16	16	16	16
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]
Weights				
Net Weight lbs. [kg]	1125 [510]	1125 [510]	1151 [522]	1151 [522]
Ship Weight lbs. [kg]	1162 [527]	1162 [527]	1188 [539]	1188 [539]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A150YL15E	A150YL25E	A150YM15E	A150YM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	152000 [44.5]	152000 [44.5]	152000 [44.5]	152000 [44.5]
EER/SEER[2]	9/NA	9/NA	9/NA	9/NA
Nominal CFM/ARI Rated CFM [L/s]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]	4800/4800 [2265/2265]
ARI Net Cooling Capacity Btu [kW]	144000 [42.2]	144000 [42.2]	144000 [42.2]	144000 [42.2]
Net Sensible Capacity Btu [kW]	108000 [31.6]	108000 [31.6]	108000 [31.6]	108000 [31.6]
Net Latent Capacity Btu [kW]	36000 [10.5]	36000 [10.5]	36000 [10.5]	36000 [10.5]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	16	16	16	16
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	15-45 [8.3-25]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]	179/179 [5075/5075]
Weights				
Net Weight lbs. [kg]	1125 [510]	1125 [510]	1151 [522]	1151 [522]
Ship Weight lbs. [kg]	1162 [527]	1162 [527]	1188 [539]	1188 [539]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A181CL15E	A181CL25E	A181CM15E	A181CM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	180000 [52.7]	180000 [52.7]	180000 [52.7]	180000 [52.7]
EER/SEER[2]	8.5/NA	8.5/NA	8.5/NA	8.5/NA
Nominal CFM/ARI Rated CFM [L/s]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]
ARI Net Cooling Capacity Btu [kW]	170000 [49.8]	170000 [49.8]	170000 [49.8]	170000 [49.8]
Net Sensible Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Latent Capacity Btu [kW]	50000 [14.6]	50000 [14.6]	50000 [14.6]	50000 [14.6]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	20	20	20	20
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	89	89	89	89
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8500 [4011]	8500 [4011]	8500 [4011]	8500 [4011]
No. Motors/HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	5	5	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	184	184	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]
Weights				
Net Weight lbs. [kg]	1302 [591]	1302 [591]	1302 [591]	1302 [591]
Ship Weight lbs. [kg]	1382 [627]	1382 [627]	1382 [627]	1382 [627]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A181DL15E	A181DL25E	A181DM15E	A181DM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	180000 [52.7]	180000 [52.7]	180000 [52.7]	180000 [52.7]
EER/SEER[2]	8.5/NA	8.5/NA	8.5/NA	8.5/NA
Nominal CFM/ARI Rated CFM [L/s]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]
ARI Net Cooling Capacity Btu [kW]	170000 [49.8]	170000 [49.8]	170000 [49.8]	170000 [49.8]
Net Sensible Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Latent Capacity Btu [kW]	50000 [14.6]	50000 [14.6]	50000 [14.6]	50000 [14.6]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	20	20	20	20
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	89	89	89	89
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8500 [4011]	8500 [4011]	8500 [4011]	8500 [4011]
No. Motors/HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	5	5	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	184	184	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]
Weights				
Net Weight lbs. [kg]	1302 [591]	1302 [591]	1302 [591]	1302 [591]
Ship Weight lbs. [kg]	1382 [627]	1382 [627]	1382 [627]	1382 [627]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-15 TONS [26.4-52.8 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKB- Series	A181YL15E	A181YL25E	A181YM15E	A181YM25E
Cooling Performance[1]				
Gross Cooling Capacity Btu [kW]	180000 [52.7]	180000 [52.7]	180000 [52.7]	180000 [52.7]
EER/SEER[2]	8.5/NA	8.5/NA	8.5/NA	8.5/NA
Nominal CFM/ARI Rated CFM [L/s]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]	5700/4900 [2690/2312]
ARI Net Cooling Capacity Btu [kW]	170000 [49.8]	170000 [49.8]	170000 [49.8]	170000 [49.8]
Net Sensible Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Latent Capacity Btu [kW]	50000 [14.6]	50000 [14.6]	50000 [14.6]	50000 [14.6]
Integrated Part Load Value[3]	9.3	9.3	9.3	9.3
Net System Power kW	20	20	20	20
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	89	89	89	89
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8500 [4011]	8500 [4011]	8500 [4011]	8500 [4011]
No. Motors/HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP	2 at 3/4 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	5	5	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	184	184	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]	216/208 [6124/5897]
Weights				
Net Weight lbs. [kg]	1312 [595]	1312 [595]	1312 [595]	1312 [595]
Ship Weight lbs. [kg]	1392 [631]	1392 [631]	1392 [631]	1392 [631]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKMB- Series	A090CL15E	A090CL22E	A090CM15E	A090CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	93000 [27.2]	93000 [27.2]	93000 [27.2]	93000 [27.2]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]
ARI Net Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	22000 [6.4]	22000 [6.4]	22000 [6.4]	22000 [6.4]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	8.7	8.7	8.7	8.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]
Weights				
Net Weight lbs. [kg]	1048 [475]	1084 [492]	1056 [479]	1092 [495]
Ship Weight lbs. [kg]	1085 [492]	1121 [508]	1093 [496]	1129 [512]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A090DL15E	A090DL22E	A090DM15E	A090DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	93000 [27.2]	93000 [27.2]	93000 [27.2]	93000 [27.2]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]
ARI Net Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	22000 [6.4]	22000 [6.4]	22000 [6.4]	22000 [6.4]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	8.7	8.7	8.7	8.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]
Weights				
Net Weight lbs. [kg]	1048 [475]	1084 [492]	1056 [479]	1092 [495]
Ship Weight lbs. [kg]	1085 [492]	1121 [508]	1093 [496]	1129 [512]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A090YL15E	A090YL22E	A090YM15E	A090YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	93000 [27.2]	93000 [27.2]	93000 [27.2]	93000 [27.2]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]	3000/3200 [1416/1510]
ARI Net Cooling Capacity Btu [kW]	90000 [26.4]	90000 [26.4]	90000 [26.4]	90000 [26.4]
Net Sensible Capacity Btu [kW]	68000 [19.9]	68000 [19.9]	68000 [19.9]	68000 [19.9]
Net Latent Capacity Btu [kW]	22000 [6.4]	22000 [6.4]	22000 [6.4]	22000 [6.4]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	8.7	8.7	8.7	8.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	25-55 [13.9-30.6]	40-70 [22.2-38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]	11.25 [1.05]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]	69/69 [1956/1956]
Weights				
Net Weight lbs. [kg]	1048 [475]	1034 [469]	1056 [479]	1092 [495]
Ship Weight lbs. [kg]	1085 [492]	1121 [508]	1093 [496]	1129 [512]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A102CL15E	A102CL22E	A102CM15E	A102CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	9.7	9.7	9.7	9.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]
Weights				
Net Weight lbs. [kg]	1012 [459]	1012 [459]	1020 [463]	1020 [463]
Ship Weight lbs. [kg]	1075 [488]	1075 [488]	1083 [491]	1083 [491]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A102DL15E	A102DL22E	A102DM15E	A102DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	9.7	9.7	9.7	9.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]
Weights				
Net Weight lbs. [kg]	1012 [459]	1012 [459]	1020 [463]	1020 [463]
Ship Weight lbs. [kg]	1075 [488]	1075 [488]	1083 [491]	1083 [491]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A102YL15E	A102YL22E	A102YM15E	A102YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]	3300/3400 [1557/1604]
ARI Net Cooling Capacity Btu [kW]	100000 [29.3]	100000 [29.3]	100000 [29.3]	100000 [29.3]
Net Sensible Capacity Btu [kW]	76000 [22.3]	76000 [22.3]	76000 [22.3]	76000 [22.3]
Net Latent Capacity Btu [kW]	24000 [7]	24000 [7]	24000 [7]	24000 [7]
Integrated Part Load Value[3]	11	11	11	11
Net System Power kW	9.7	9.7	9.7	9.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]	86/86 [2438/2438]
Weights				
Net Weight lbs. [kg]	1012 [459]	1012 [459]	1020 [463]	1020 [463]
Ship Weight lbs. [kg]	1075 [488]	1075 [488]	1083 [491]	1083 [491]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A120CL15E	A120CL22E	A120CM15E	A120CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	126000 [36.9]	126000 [36.9]	126000 [36.9]	126000 [36.9]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	88000 [25.8]	88000 [25.8]	88000 [25.8]	88000 [25.8]
Net Latent Capacity Btu [kW]	32000 [9.4]	32000 [9.4]	32000 [9.4]	32000 [9.4]
Integrated Part Load Value[3]	10.6	10.6	10.6	10.6
Net System Power kW	11.6	11.6	11.6	11.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]
Weights				
Net Weight lbs. [kg]	1125 [510]	1161 [527]	1151 [522]	1187 [538]
Ship Weight lbs. [kg]	1162 [527]	1198 [543]	1188 [539]	1224 [555]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A120DL15E	A120DL22E	A120DM15E	A120DM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	126000 [36.9]	126000 [36.9]	126000 [36.9]	126000 [36.9]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	88000 [25.8]	88000 [25.8]	88000 [25.8]	88000 [25.8]
Net Latent Capacity Btu [kW]	32000 [9.4]	32000 [9.4]	32000 [9.4]	32000 [9.4]
Integrated Part Load Value[3]	10.6	10.6	10.6	10.6
Net System Power kW	11.6	11.6	11.6	11.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	112500/150000 [33/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	91125/121500 [26.7/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]
Weights				
Net Weight lbs. [kg]	1125 [510]	1161 [527]	1151 [522]	1187 [538]
Ship Weight lbs. [kg]	1162 [527]	1198 [543]	1188 [539]	1224 [555]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A120YL15E	A120YL22E	A120YM15E	A120YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	126000 [36.9]	126000 [36.9]	126000 [36.9]	126000 [36.9]
EER/SEER[2]	10.3/NA	10.3/NA	10.3/NA	10.3/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]	4000/4000 [1888/1888]
ARI Net Cooling Capacity Btu [kW]	120000 [35.2]	120000 [35.2]	120000 [35.2]	120000 [35.2]
Net Sensible Capacity Btu [kW]	88000 [25.8]	88000 [25.8]	88000 [25.8]	88000 [25.8]
Net Latent Capacity Btu [kW]	32000 [9.4]	32000 [9.4]	32000 [9.4]	32000 [9.4]
Integrated Part Load Value[3]	10.6	10.6	10.6	10.6
Net System Power kW	11.6	11.6	11.6	11.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	112500/225000 [33/65.9]	75000/150000 [22/44]	112500/225000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]	60750/121500 [17.8/35.6]	91125/182250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]	173/173 [4905/4905]
Weights				
Net Weight lbs. [kg]	1125 [510]	1161 [527]	1151 [522]	1187 [538]
Ship Weight lbs. [kg]	1162 [527]	1198 [543]	1188 [539]	1224 [555]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A150CL15E	A150CL25E	A150CM15E	A150CM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	154000 [45.1]	154000 [45.1]	154000 [45.1]	154000 [45.1]
EER/SEER[2]	9.7/NA	9.7/NA	9.7/NA	9.7/NA
Nominal CFM/ARI Rated CFM [L/s]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]
ARI Net Cooling Capacity Btu [kW]	146000 [42.8]	146000 [42.8]	146000 [42.8]	146000 [42.8]
Net Sensible Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
Net Latent Capacity Btu [kW]	42000 [12.3]	42000 [12.3]	42000 [12.3]	42000 [12.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	15.1	15.1	15.1	15.1
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	1142 [518]	1142 [518]	1168 [530]	1168 [530]
Ship Weight lbs. [kg]	1179 [535]	1179 [535]	1205 [547]	1205 [547]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A150DL15E	A150DL25E	A150DM15E	A150DM25E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	154000 [45.1]	154000 [45.1]	154000 [45.1]	154000 [45.1]
EER/SEER[2]	9.7/NA	9.7/NA	9.7/NA	9.7/NA
Nominal CFM/ARI Rated CFM [L/s]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]
ARI Net Cooling Capacity Btu [kW]	146000 [42.8]	146000 [42.8]	146000 [42.8]	146000 [42.8]
Net Sensible Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
Net Latent Capacity Btu [kW]	42000 [12.3]	42000 [12.3]	42000 [12.3]	42000 [12.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	15.1	15.1	15.1	15.1
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75000/150000 [22/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	1142 [518]	1142 [518]	1168 [530]	1168 [530]
Ship Weight lbs. [kg]	1179 [535]	1179 [535]	1209 [548]	1209 [548]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-12.5 TONS [26.4-44.0 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKMB- Series	A150YL15E	A150YL25E	A150YM15E	A150YM25E
Cooling Performance[1]				
Gross Cooling Capacity Btu [kW]	154000 [45.1]	154000 [45.1]	154000 [45.1]	154000 [45.1]
EER/SEER[2]	9.7/NA	9.7/NA	9.7/NA	9.7/NA
Nominal CFM/ARI Rated CFM [L/s]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]	4900/4300 [2312/2029]
ARI Net Cooling Capacity Btu [kW]	146000 [42.8]	146000 [42.8]	146000 [42.8]	146000 [42.8]
Net Sensible Capacity Btu [kW]	104000 [30.5]	104000 [30.5]	104000 [30.5]	104000 [30.5]
Net Latent Capacity Btu [kW]	42000 [12.3]	42000 [12.3]	42000 [12.3]	42000 [12.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	15.1	15.1	15.1	15.1
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	112500/150000 [33/44]	126000/252000 [36.9/73.8]	75000/150000 [22/44]	126000/252000 [36.9/73.8]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	91125/121500 [26.7/35.6]	102000/204000 [29.9/59.8]	60750/121500 [17.8/35.6]	102000/204000 [29.9/59.8]
Temperature Rise Range ˚F [˚C]	15-45 [8.3-25]	25-55 [13.9-30.6]	15-45 [8.3-25]	25-55 [13.9-30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]	4 / 15 [6]
Refrigerant Control	Orifices	Orifices	Orifices	Orifices
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	5	5
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	184	184
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]	192/192 [5443/5443]
Weights				
Net Weight lbs. [kg]	1142 [518]	1142 [518]	1168 [530]	1168 [530]
Ship Weight lbs. [kg]	1179 [535]	1179 [535]	1205 [547]	1205 [547]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A090CL15E	A090CL22E	A090CM15E	A090CM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]
EER/SEER[2]	11.3/NA	11.3/NA	11.3/NA	11.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]
ARI Net Cooling Capacity Btu [kW]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]
Net Sensible Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]
Net Latent Capacity Btu [kW]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]
Integrated Part Load Value[3]	12.3	12.3	12.3	12.3
Net System Power kW	7.7	7.7	7.7	7.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]
Weights				
Net Weight lbs. [kg]	1068 [484]	1107 [502]	1068 [484]	1104 [501]
Ship Weight lbs. [kg]	1105 [501]	1144 [519]	1105 [501]	1141 [518]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A090CN15E	A090CN22E	A090DL15E	A090DL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]
EER/SEER[2]	11.3/NA	11.3/NA	11.3/NA	11.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]
ARI Net Cooling Capacity Btu [kW]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]
Net Sensible Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]
Net Latent Capacity Btu [kW]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]
Integrated Part Load Value[3]	12.3	12.3	12.3	12.3
Net System Power kW	7.7	7.7	7.7	7.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]
Weights				
Net Weight lbs. [kg]	1076 [488]	1112 [504]	1071 [486]	1107 [502]
Ship Weight lbs. [kg]	1113 [505]	1149 [521]	1108 [503]	1144 [519]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A090DM15E	A090DM22E	A090DN15E	A090DN22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]
EER/SEER[2]	11.3/NA	11.3/NA	11.3/NA	11.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]
ARI Net Cooling Capacity Btu [kW]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]
Net Sensible Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]
Net Latent Capacity Btu [kW]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]
Integrated Part Load Value[3]	12.3	12.3	12.3	12.3
Net System Power kW	7.7	7.7	7.7	7.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]
Weights				
Net Weight lbs. [kg]	1068 [484]	1104 [501]	1076 [488]	1112 [504]
Ship Weight lbs. [kg]	1105 [501]	1141 [518]	1113 [505]	1149 [521]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A090YL15E	A090YL22E	A090YM15E	A090YM22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]	89,000 [26.1]
EER/SEER[2]	11.3/NA	11.3/NA	11.3/NA	11.3/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	2900/2625 [1369/1239]
ARI Net Cooling Capacity Btu [kW]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]	87,000 [25.5]
Net Sensible Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]	64,000 [18.8]
Net Latent Capacity Btu [kW]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]	23,000 [6.7]
Integrated Part Load Value[3]	12.3	12.3	12.3	12.3
Net System Power kW	7.7	7.7	7.7	7.7
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	40-70 [22.2/38.9]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	2	2	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]	79/87 [2240/2466]
Weights				
Net Weight lbs. [kg]	1071 [486]	1107 [502]	1068 [484]	1104 [501]
Ship Weight lbs. [kg]	1108 [503]	1144 [519]	1105 [501]	1141 [518]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A090YN15E	A090YN22E	A102CL15E	A102CL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.1]	89,000 [26.1]	101,000 [29.6]	101,000 [29.6]
EER/SEER[2]	11.3/NA	11.3/NA	11.6/NA	11.6/NA
Nominal CFM/ARI Rated CFM [L/s]	2900/2625 [1369/1239]	2900/2625 [1369/1239]	3400/3650 [1604/1723]	3400/3650 [1604/1723]
ARI Net Cooling Capacity Btu [kW]	87,000 [25.5]	87,000 [25.5]	99,000 [29.0]	99,000 [29.0]
Net Sensible Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	79,000 [23.1]	79,000 [23.1]
Net Latent Capacity Btu [kW]	23,000 [6.7]	23,000 [6.7]	20,000 [5.9]	20,000 [5.9]
Integrated Part Load Value[3]	12.3	12.3	12	12
Net System Power kW	7.7	7.7	8.5	8.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	79/87 [2240/2466]	79/87 [2240/2466]	157/166 [4445/4695]	157/166 [4445/4695]
Weights				
Net Weight lbs. [kg]	1076 [488]	1112 [504]	1099 [499]	1135 [515]
Ship Weight lbs. [kg]	1113 [505]	1149 [521]	1136 [516]	1172 [532]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A102CM15E	A102CM22E	A102DL15E	A102DL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	101,000 [29.6]	101,000 [29.6]	101,000 [29.6]	101,000 [29.6]
EER/SEER[2]	11.6/NA	11.6/NA	11.6/NA	11.6/NA
Nominal CFM/ARI Rated CFM [L/s]	3400/3650 [1604/1723]	3400/3650 [1604/1723]	3400/3650 [1604/1723]	3400/3650 [1604/1723]
ARI Net Cooling Capacity Btu [kW]	99,000 [29.0]	99,000 [29.0]	99,000 [29.0]	99,000 [29.0]
Net Sensible Capacity Btu [kW]	79,000 [23.1]	79,000 [23.1]	79,000 [23.1]	79,000 [23.1]
Net Latent Capacity Btu [kW]	20,000 [5.9]	20,000 [5.9]	20,000 [5.9]	20,000 [5.9]
Integrated Part Load Value[3]	12	12	12	12
Net System Power kW	8.5	8.5	8.5	8.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19]	0.5 [12.7]	0.75 [19]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	157/166 [4445/4695]	157/166 [4445/4695]	157/166 [4445/4695]	157/166 [4445/4695]
Weights				
Net Weight lbs. [kg]	1125 [511]	1161 [527]	1099 [499]	1135 [515]
Ship Weight lbs. [kg]	1162 [527]	1198 [544]	1136 [516]	1172 [532]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A102DM15E	A102DM22E	A102YL15E	A102YL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	101,000 [29.6]	101,000 [29.6]	101,000 [29.6]	101,000 [29.6]
EER/SEER[2]	11.6/NA	11.6/NA	11.6/NA	11.6/NA
Nominal CFM/ARI Rated CFM [L/s]	3400/3650 [1604/1723]	3400/3650 [1604/1723]	3400/3650 [1604/1723]	3400/3650 [1604/1723]
ARI Net Cooling Capacity Btu [kW]	99,000 [29.0]	99,000 [29.0]	99,000 [29.0]	99,000 [29.0]
Net Sensible Capacity Btu [kW]	79,000 [23.1]	79,000 [23.1]	79,000 [23.1]	79,000 [23.1]
Net Latent Capacity Btu [kW]	20,000 [5.9]	20,000 [5.9]	20,000 [5.9]	20,000 [5.9]
Integrated Part Load Value[3]	12	12	12	12
Net System Power kW	8.5	8.5	8.5	8.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19]	0.5 [12.7]	0.75 [19]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	157/166 [4445/4695]	157/166 [4445/4695]	157/166 [4445/4695]	157/166 [4445/4695]
Weights				
Net Weight lbs. [kg]	1125 [511]	1161 [527]	1099 [499]	1135 [515]
Ship Weight lbs. [kg]	1162 [527]	1198 [544]	1136 [516]	1172 [532]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A102YM15E	A102YM22E	A120CL15E	A120CL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	101,000 [29.6]	101,000 [29.6]	124,000 [36.3]	124,000 [36.3]
EER/SEER[2]	11.6/NA	11.6/NA	11/NA	11/NA
Nominal CFM/ARI Rated CFM [L/s]	3400/3650 [1604/1723]	3400/3650 [1604/1723]	4000/3400 [1888/1604]	4000/3400 [1888/1604]
ARI Net Cooling Capacity Btu [kW]	99,000 [29.0]	99,000 [29.0]	120,000 [35.2]	120,000 [35.2]
Net Sensible Capacity Btu [kW]	79,000 [23.1]	79,000 [23.1]	83,000 [24.3]	83,000 [24.3]
Net Latent Capacity Btu [kW]	20,000 [5.9]	20,000 [5.9]	37,000 [10.8]	37,000 [10.8]
Integrated Part Load Value[3]	12	12	12.1	12.1
Net System Power kW	8.5	8.5	10.9	10.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	157/166 [4445/4695]	157/166 [4445/4695]	165/165 [4678/4678]	165/165 [4678/4678]
Weights				
Net Weight lbs. [kg]	1125 [511]	1161 [527]	1125 [510]	1161 [527]
Ship Weight lbs. [kg]	1162 [527]	1198 [544]	1162 [527]	1198 [543]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A120CM15E	A120CM22E	A120DL15E	A120DL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	124,000 [36.3]	124,000 [36.3]	124,000 [36.3]	124,000 [36.3]
EER/SEER[2]	11/NA	11/NA	11/NA	11/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/3400 [1888/1604]	4000/3400 [1888/1604]	4000/3400 [1888/1604]	4000/3400 [1888/1604]
ARI Net Cooling Capacity Btu [kW]	120,000 [35.2]	120,000 [35.2]	120,000 [35.2]	120,000 [35.2]
Net Sensible Capacity Btu [kW]	83,000 [24.3]	83,000 [24.3]	83,000 [24.3]	83,000 [24.3]
Net Latent Capacity Btu [kW]	37,000 [10.8]	37,000 [10.8]	37,000 [10.8]	37,000 [10.8]
Integrated Part Load Value[3]	12.1	12.1	12.1	12.1
Net System Power kW	10.9	10.9	10.9	10.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	165/165 [4678/4678]	165/165 [4678/4678]	165/165 [4678/4678]	165/165 [4678/4678]
Weights				
Net Weight lbs. [kg]	1151 [522]	1187 [538]	1125 [510]	1161 [527]
Ship Weight lbs. [kg]	1188 [539]	1224 [555]	1162 [527]	1198 [543]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A120DM15E	A120DM22E	A120YL15E	A120YL22E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	124,000 [36.3]	124,000 [36.3]	124,000 [36.3]	124,000 [36.3]
EER/SEER[2]	11/NA	11/NA	11/NA	11/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/3400 [1888/1604]	4000/3400 [1888/1604]	4000/3400 [1888/1604]	4000/3400 [1888/1604]
ARI Net Cooling Capacity Btu [kW]	120,000 [35.2]	120,000 [35.2]	120,000 [35.2]	120,000 [35.2]
Net Sensible Capacity Btu [kW]	83,000 [24.3]	83,000 [24.3]	83,000 [24.3]	83,000 [24.3]
Net Latent Capacity Btu [kW]	37,000 [10.8]	37,000 [10.8]	37,000 [10.8]	37,000 [10.8]
Integrated Part Load Value[3]	12.1	12.1	12.1	12.1
Net System Power kW	10.9	10.9	10.9	10.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	9	6	9
No. Stages	2	2	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]	0.5 [12.7]	0.75 [19.05]
Compressor				
No./Type	2/Scroll	2/Scroll	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88	88	88
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP	2 at 1/3 HP	2 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]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3	3	2	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	165/165 [4678/4678]	165/165 [4678/4678]	165/165 [4678/4678]	165/165 [4678/4678]
Weights				
Net Weight lbs. [kg]	1125 [510]	1187 [538]	1125 [510]	1161 [527]
Ship Weight lbs. [kg]	1162 [527]	1224 [555]	1162 [527]	1198 [543]

See Page 50 for Notes.

[ ] Designates Metric Conversions

NOM. SIZES 7.5-10 TON [26.4-35.2 kW] ENERGYSTAR COMPLIANT MODELS

Model RKNB- Series	A120YM15E	A120YM22E
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	124,000 [36.3]	124,000 [36.3]
EER/SEER[2]	11/NA	11/NA
Nominal CFM/ARI Rated CFM [L/s]	4000/3400 [1888/1604]	4000/3400 [1888/1604]
ARI Net Cooling Capacity Btu [kW]	120,000 [35.2]	120,000 [35.2]
Net Sensible Capacity Btu [kW]	83,000 [24.3]	83,000 [24.3]
Net Latent Capacity Btu [kW]	37,000 [10.8]	37,000 [10.8]
Integrated Part Load Value[3]	12.1	12.1
Net System Power kW	10.9	10.9
Heating Performance (Package Gas/Electric)[4]		
Heating Input Btu [kW] (1st Stage / 2nd Stage)	75,000/150,000 [22/44]	112,500/225,000 [33/65.9]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	60,750/121,500 [17.8/35.6]	91,125/182,250 [26.7/53.4]
Temperature Rise Range ˚F [˚C]	15-45 [8.3/25]	25-55 [13.9/30.6]
Steady State Efficiency (%)	81	81
No. Burners	6	9
No. Stages	2	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.75 [19.05]
Compressor		
No./Type	2/Scroll	2/Scroll
Outdoor Sound Rating (dB)[5]	88	88
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	27 [2.51]	27 [2.51]
Rows / FPI [FPcm]	2 / 18 [7]	2 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	13.5 [1.25]	13.5 [1.25]
Rows / FPI [FPcm]	3 / 18 [7]	3 / 18 [7]
Refrigerant Control	Capillary Tubes	Capillary Tubes
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/3 HP	2 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable
No. Motors	1	1
Motor HP	3	3
Motor RPM	1725	1725
Motor Frame Size	56	56
Filter—Type	Disposable	Disposable
Furnished	Yes	Yes
(No.) Size Recommended in. [mm]	(6)2x18x18 [51x457x457]	(6)2x18x18 [51x457x457]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	165/165 [4678/4678]	165/165 [4678/4678]
Weights		
Net Weight lbs. [kg]	1125 [510]	1187 [538]
Ship Weight lbs. [kg]	1162 [527]	1224 [555]

See Page 50 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. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Integrated Part Load Value is rated in accordance with ARI Standard 210/240 or 360. Units are rated at 80° F ambient, 80° F entering dry bulb, and 67° F entering wet bulb at ARI rated cfm.
4. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
5. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—A090

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]			3840 [1812]	3200 [1510]	2560 [1208]	3840 [1812]	3200 [1510]	2560 [1208]	3840 [1812]	3200 [1510]	2560 [1208]
DR ①			.15	.11	.07	.15	.11	.07	.15	.11	.07
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	103.7 [30.39]	100.4 [29.42]	97.1 [28.46]	102.9 [30.16]	99.6 [29.19]	96.3 [28.22]	99.3 [29.10]	96.0 [28.13]	92.7 [27.17]
		Sens BTUH [kW]	66.2 [19.40]	59.5 [17.44]	52.9 [15.50]	81.6 [23.91]	74.9 [21.95]	68.2 [19.99]	92.2 [27.02]	85.5 [25.06]	78.8 [23.09]
		Power	7.0	6.9	6.8	6.9	6.8	6.7	6.9	6.7	6.6
	80 [26.7]	Total BTUH [kW]	99.1 [29.04]	95.8 [28.08]	92.5 [27.11]	98.3 [28.81]	95.0 [27.84]	91.7 [26.87]	94.7 [27.75]	91.4 [26.79]	88.1 [25.82]
		Sens BTUH [kW]	64.5 [18.90]	57.8 [16.94]	51.1 [14.98]	79.8 [23.39]	73.1 [21.42]	66.4 [19.46]	90.4 [26.49]	83.8 [24.56]	77.1 [22.60]
		Power	7.5	7.3	7.2	7.4	7.2	7.1	7.3	7.1	7.0
	85 [29.4]	Total BTUH [kW]	96.6 [28.31]	93.3 [27.34]	90.0 [26.38]	95.8 [28.08]	92.5 [27.11]	89.2 [26.14]	92.2 [27.02]	88.9 [26.05]	85.6 [25.09]
		Sens BTUH [kW]	63.5 [18.61]	56.8 [16.65]	50.2 [14.71]	78.9 [23.12]	72.2 [21.16]	65.5 [19.20]	89.5 [26.23]	82.8 [24.27]	76.2 [22.33]
		Power	7.9	7.7	7.6	7.8	7.6	7.5	7.7	7.5	7.4
	90 [32.2]	Total BTUH [kW]	95.4 [27.96]	92.1 [26.99]	88.8 [26.02]	94.5 [27.70]	91.3 [26.76]	88.0 [25.79]	91.0 [26.67]	87.7 [25.70]	84.4 [24.74]
		Sens BTUH [kW]	63.1 [18.49]	56.4 [16.53]	49.7 [14.57]	78.4 [22.98]	71.7 [21.01]	65.1 [19.08]	89.0 [26.08]	82.4 [24.15]	75.7 [22.19]
		Power	8.3	8.1	8.0	8.2	8.0	7.9	8.1	7.9	7.8
	95 [35]	Total BTUH [kW]	94.6 [27.72]	91.3 [26.76]	88.0 [25.79]	93.7 [27.46]	90.5 [26.52]	87.2 [25.56]	90.2 [26.44]	86.9 [25.47]	83.6 [24.50]
		Sens BTUH [kW]	62.8 [18.40]	56.1 [16.44]	49.5 [14.51]	78.1 [22.89]	71.5 [20.95]	64.8 [18.99]	88.8 [26.02]	82.1 [24.06]	75.4 [22.10]
		Power	8.7	8.5	8.4	8.6	8.4	8.3	8.5	8.4	8.2
	100 [37.8]	Total BTUH [kW]	93.3 [27.34]	90.1 [26.41]	86.8 [25.44]	92.5 [27.11]	89.2 [26.14]	85.9 [25.17]	89.0 [26.08]	85.7 [25.12]	82.4 [24.15]
		Sens BTUH [kW]	62.3 [18.26]	55.7 [16.32]	49.0 [14.36]	77.7 [22.77]	71.0 [20.81]	64.3 [18.84]	88.3 [25.88]	81.6 [23.91]	75.0 [21.98]
		Power	9.1	9.0	8.8	9.0	8.9	8.7	8.9	8.8	8.6
	105 [40.6]	Total BTUH [kW]	90.8 [26.61]	87.5 [25.64]	84.2 [24.68]	90.0 [26.38]	86.7 [25.41]	83.4 [24.44]	86.4 [25.32]	83.2 [24.38]	79.9 [23.42]
		Sens BTUH [kW]	61.3 [17.97]	54.7 [16.03]	48.0 [14.07]	76.7 [22.48]	70.0 [20.51]	63.3 [18.55]	86.4 [25.32]	80.6 [23.62]	74.0 [21.69]
		Power	9.5	9.4	9.2	9.4	9.3	9.1	9.3	9.2	9.0
	110 [43.3]	Total BTUH [kW]	86.2 [25.26]	82.9 [24.30]	79.6 [23.33]	85.3 [25.00]	82.1 [24.06]	78.8 [23.09]	81.8 [23.97]	78.5 [23.01]	75.2 [22.04]
		Sens BTUH [kW]	59.5 [17.44]	52.8 [15.47]	46.1 [13.51]	74.8 [21.92]	68.1 [19.96]	61.5 [18.02]	81.8 [23.97]	78.5 [23.01]	72.1 [21.13]
		Power	9.9	9.8	9.6	9.8	9.7	9.5	9.7	9.6	9.4
	115 [46.1]	Total BTUH [kW]	78.5 [23.01]	75.3 [22.07]	72.0 [21.10]	77.7 [22.77]	74.4 [21.80]	71.1 [20.84]	74.2 [21.75]	70.9 [20.78]	67.6 [19.81]
		Sens BTUH [kW]	56.4 [16.53]	49.7 [14.57]	43.0 [12.60]	71.7 [21.01]	65.1 [19.08]	58.4 [17.12]	74.2 [21.75]	70.9 [20.78]	67.6 [19.81]
		Power	10.3	10.2	10.0	10.2	10.1	9.9	10.1	10.0	9.9

GROSS SYSTEMS PERFORMANCE DATA—A102

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]			4080 [1926]	3400 [1605]	2720 [1284]	4080 [1926]	3400 [1605]	2720 [1284]	4080 [1926]	3400 [1605]	2720 [1284]
DR ①			.15	.11	.07	.15	.11	.07	.15	.11	.07
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	117.6 [34.47]	113.8 [33.35]	110.0 [32.24]	115.4 [33.82]	111.6 [32.71]	107.8 [31.59]	110.5 [32.38]	106.8 [31.30]	103.0 [30.19]
		Sens BTUH [kW]	75.5 [22.13]	68.1 [19.96]	60.6 [17.76]	91.1 [26.70]	83.6 [24.50]	76.1 [22.30]	103.6 [30.36]	96.1 [28.16]	88.6 [25.97]
		Power	8.1	8.0	7.8	8.1	8.0	7.8	7.9	7.8	7.6
	80 [26.7]	Total BTUH [kW]	116.8 [34.23]	113.0 [33.12]	109.2 [32.00]	114.6 [33.59]	110.8 [32.47]	107.0 [31.36]	109.8 [32.18]	106.0 [31.07]	102.2 [29.95]
		Sens BTUH [kW]	75.0 [21.98]	67.5 [19.78]	60.0 [17.58]	90.6 [26.55]	83.1 [24.35]	75.6 [22.16]	103.0 [30.19]	95.5 [27.99]	88.1 [25.82]
		Power	8.6	8.4	8.3	8.6	8.4	8.2	8.4	8.2	8.1
	85 [29.4]	Total BTUH [kW]	115.3 [33.79]	111.5 [32.68]	107.7 [31.56]	113.1 [33.15]	109.3 [32.03]	105.5 [30.92]	108.2 [31.71]	104.4 [30.60]	100.7 [29.51]
		Sens BTUH [kW]	74.2 [21.75]	66.7 [19.55]	59.3 [17.38]	89.8 [26.32]	82.3 [24.12]	74.8 [21.92]	102.3 [29.98]	94.8 [27.78]	87.3 [25.59]
		Power	9.0	8.9	8.7	9.0	8.8	8.7	8.8	8.7	8.5
	90 [32.2]	Total BTUH [kW]	113.0 [33.12]	109.2 [32.00]	105.4 [30.89]	110.8 [32.47]	107.0 [31.36]	103.3 [30.27]	106.0 [31.07]	102.2 [29.95]	98.4 [28.84]
		Sens BTUH [kW]	73.3 [21.48]	65.8 [19.28]	58.3 [17.09]	88.9 [26.05]	81.4 [23.86]	73.9 [21.66]	101.3 [29.69]	93.9 [27.52]	86.4 [25.32]
		Power	9.5	9.3	9.2	9.5	9.3	9.1	9.3	9.1	8.9
	95 [35]	Total BTUH [kW]	110.2 [32.30]	106.5 [31.21]	102.7 [30.10]	108.1 [31.68]	104.3 [30.57]	100.5 [29.45]	103.2 [30.24]	99.4 [29.13]	95.7 [28.05]
		Sens BTUH [kW]	72.2 [21.16]	64.7 [18.96]	57.2 [16.76]	87.8 [25.73]	80.3 [23.53]	72.8 [21.34]	100.5 [29.45]	92.7 [27.17]	85.3 [25.00]
		Power	9.9	9.8	9.6	9.9	9.7	9.6	9.7	9.5	9.4
	100 [37.8]	Total BTUH [kW]	107.0 [31.36]	103.2 [30.24]	99.4 [29.13]	104.8 [30.71]	101.0 [29.60]	97.2 [28.49]	100.0 [29.31]	96.2 [28.19]	92.4 [27.08]
		Sens BTUH [kW]	70.9 [20.78]	63.4 [18.58]	55.9 [16.38]	86.5 [25.35]	79.0 [23.15]	71.5 [20.95]	98.8 [28.96]	91.5 [26.82]	84.0 [24.62]
		Power	10.4	10.2	10.0	10.3	10.2	10.0	10.2	10.0	9.8
	105 [40.6]	Total BTUH [kW]	103.4 [30.30]	99.7 [29.22]	95.9 [28.11]	101.3 [29.69]	97.5 [28.57]	93.7 [27.46]	96.4 [28.25]	92.6 [27.14]	88.8 [26.02]
		Sens BTUH [kW]	69.5 [20.37]	62.0 [18.17]	54.5 [15.97]	85.1 [24.94]	77.6 [22.74]	70.1 [20.54]	96.4 [28.25]	90.1 [26.41]	82.6 [24.21]
		Power	10.8	10.6	10.5	10.8	10.6	10.5	10.6	10.4	10.3
	110 [43.3]	Total BTUH [kW]	99.6 [29.19]	95.9 [28.11]	92.1 [26.99]	97.5 [28.57]	93.7 [27.46]	89.9 [26.35]	92.6 [27.14]	88.8 [26.02]	85.0 [24.91]
		Sens BTUH [kW]	68.0 [19.93]	60.5 [17.73]	53.0 [15.53]	83.6 [24.50]	76.1 [22.30]	86.6 [25.38]	92.6 [27.14]	88.5 [25.94]	81.1 [23.77]
		Power	11.3	11.1	10.9	11.2	11.1	10.9	11.0	10.9	10.7
	115 [46.1]	Total BTUH [kW]	95.7 [28.05]	91.9 [26.93]	88.2 [25.85]	93.5 [27.40]	89.8 [26.32]	86.0 [25.20]	88.7 [26.00]	84.9 [24.88]	81.1 [23.77]
		Sens BTUH [kW]	66.3 [19.43]	58.9 [17.26]	51.4 [15.06]	81.9 [24.00]	74.4 [21.80]	66.9 [19.61]	88.7 [26.00]	84.9 [24.88]	79.4 [23.27]
		Power	11.7	11.5	11.4	11.7	11.5	11.4	11.5	11.3	11.2

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—A120

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]			4800 [2265]	4000 [1888]	3200 [1510]	4800 [2265]	4000 [1888]	3200 [1510]	4800 [2265]	4000 [1888]	3200 [1510]	
DR ①			.15	.12	.08	.15	.12	.08	.15	.12	.08	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	138.4 [40.56]	133.9 [39.24]	129.3 [37.89]	137.0 [40.15]	132.4 [38.80]	127.9 [37.48]	125.8 [36.87]	121.2 [35.52]	116.7 [34.20]	
		Sens BTUH [kW]	84.7 [24.82]	75.8 [22.21]	67.0 [19.64]	105.2 [30.83]	96.3 [28.22]	87.4 [25.61]	117.4 [34.41]	108.5 [31.80]	99.6 [29.19]	
		Power	9.8	9.6	9.4	9.7	9.5	9.3	9.4	9.2	9.1	
	80 [26.7]	Total BTUH [kW]	138.2 [40.50]	133.7 [39.18]	129.1 [37.84]	136.8 [40.09]	132.2 [38.74]	127.7 [37.43]	125.6 [36.81]	121.0 [35.46]	116.5 [34.14]	
		Sens BTUH [kW]	85.5 [25.06]	76.7 [22.48]	67.8 [19.87]	106.0 [31.07]	97.1 [28.46]	88.2 [25.85]	118.1 [34.61]	109.3 [32.03]	100.4 [29.42]	
		Power	10.4	10.2	10.0	10.3	10.1	9.9	10.0	9.8	9.6	
	85 [29.4]	Total BTUH [kW]	136.9 [40.12]	132.4 [38.80]	127.8 [37.45]	135.5 [39.71]	130.9 [38.36]	126.4 [37.04]	124.2 [36.40]	119.7 [35.08]	115.1 [33.73]	
		Sens BTUH [kW]	85.6 [25.09]	76.7 [22.48]	67.8 [19.87]	106.0 [31.07]	97.1 [28.46]	88.3 [25.88]	118.4 [34.70]	109.4 [32.06]	100.5 [29.45]	
		Power	10.9	10.7	10.5	10.8	10.6	10.4	10.6	10.4	10.2	
	90 [32.2]	Total BTUH [kW]	134.5 [39.42]	130.0 [38.10]	125.4 [36.75]	133.1 [39.01]	128.5 [37.66]	124.0 [36.34]	121.8 [35.70]	117.3 [34.38]	112.7 [33.03]	
		Sens BTUH [kW]	84.9 [24.88]	76.0 [22.27]	67.2 [19.69]	105.3 [30.86]	96.5 [28.28]	87.6 [25.67]	117.8 [34.52]	108.7 [31.86]	99.8 [29.25]	
		Power	11.5	11.3	11.1	11.4	11.2	11.0	11.1	10.9	10.7	
	95 [35]	Total BTUH [kW]	131.1 [38.42]	126.6 [37.10]	122.0 [35.75]	129.7 [38.01]	125.1 [36.66]	120.6 [35.34]	118.5 [34.73]	113.9 [33.38]	109.4 [32.06]	
		Sens BTUH [kW]	83.6 [24.50]	74.7 [21.89]	65.8 [19.28]	104.0 [30.48]	95.1 [27.87]	86.2 [25.26]	116.2 [34.05]	107.3 [31.45]	98.5 [28.87]	
		Power	12.0	11.8	11.6	12.0	11.8	11.6	11.7	11.5	11.3	
	100 [37.8]	Total BTUH [kW]	126.8 [37.16]	122.3 [35.84]	117.7 [34.49]	125.4 [36.75]	120.8 [35.40]	116.3 [34.08]	114.1 [33.44]	109.6 [32.12]	105.0 [30.77]	
		Sens BTUH [kW]	81.6 [23.91]	72.7 [21.31]	63.9 [18.73]	102.1 [29.92]	93.2 [27.31]	84.3 [24.71]	114.1 [33.44]	105.4 [30.89]	96.5 [28.28]	
		Power	12.6	12.4	12.2	12.5	12.3	12.1	12.3	12.1	11.9	
	105 [40.6]	Total BTUH [kW]	121.7 [35.67]	117.1 [34.32]	112.6 [33.00]	120.2 [35.23]	115.7 [33.91]	111.1 [32.56]	109.0 [31.94]	104.4 [30.60]	99.9 [29.28]	
		Sens BTUH [kW]	79.1 [23.18]	70.3 [20.60]	61.4 [17.99]	99.6 [29.19]	90.7 [26.58]	81.8 [23.97]	109.0 [31.94]	102.9 [30.16]	94.0 [27.55]	
		Power	13.2	13.0	12.8	13.1	12.9	12.7	12.8	12.6	12.4	
	110 [43.3]	Total BTUH [kW]	115.7 [33.91]	111.2 [32.59]	106.6 [31.24]	114.3 [33.50]	109.8 [32.18]	105.2 [30.83]	103.1 [30.22]	98.5 [28.87]	94.0 [27.55]	
		Sens BTUH [kW]	76.2 [22.33]	67.3 [19.72]	58.4 [17.12]	96.6 [28.31]	87.7 [25.70]	78.8 [23.09]	103.1 [30.22]	98.5 [28.87]	91.1 [26.70]	
		Power	13.7	13.5	13.3	13.6	13.4	13.3	13.4	13.2	13.0	
	115 [46.1]	Total BTUH [kW]	109.1 [31.97]	104.6 [30.66]	100.0 [29.31]	107.7 [31.56]	103.2 [30.24]	98.6 [28.90]	96.5 [28.28]	91.9 [26.93]	87.4 [25.61]	
		Sens BTUH [kW]	72.8 [21.34]	63.9 [18.73]	55.0 [16.12]	93.2 [27.31]	84.3 [24.71]	75.4 [22.10]	96.5 [28.28]	91.9 [26.93]	87.4 [25.61]	
		Power	14.3	14.1	13.9	14.2	14.0	13.8	13.9	13.7	13.5	

GROSS SYSTEMS PERFORMANCE DATA—A150

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]			5760 [2718]	4800 [2265]	3840 [1812]	5760 [2718]	4800 [2265]	3840 [1812]	5760 [2718]	4800 [2265]	3840 [1812]	
DR ①			.13	.10	.05	.13	.10	.05	.13	.10	.05	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	167.1 [48.97]	161.5 [47.33]	156.0 [45.72]	165.7 [48.56]	160.1 [46.92]	154.5 [45.28]	154.4 [45.25]	148.9 [43.64]	143.3 [42.00]	
		Sens BTUH [kW]	108.4 [31.77]	97.5 [28.57]	86.6 [25.38]	128.8 [37.75]	117.9 [34.55]	107.0 [31.36]	141.1 [41.35]	130.2 [38.16]	119.3 [34.96]	
		Power	11.5	11.3	11.0	11.4	11.2	11.0	11.1	10.9	10.7	
	80 [26.7]	Total BTUH [kW]	166.9 [48.91]	161.4 [47.30]	155.8 [45.66]	165.5 [48.50]	159.9 [46.86]	154.4 [45.25]	154.3 [45.22]	148.7 [43.58]	143.1 [41.94]	
		Sens BTUH [kW]	109.2 [32.00]	98.3 [28.81]	87.4 [25.61]	129.7 [38.01]	118.8 [34.82]	107.9 [31.62]	141.9 [41.59]	131.0 [38.39]	120.1 [35.20]	
		Power	12.0	11.8	11.6	12.0	11.7	11.5	11.7	11.5	11.3	
	85 [29.4]	Total BTUH [kW]	165.6 [48.53]	160.0 [46.89]	154.5 [45.28]	164.1 [48.09]	158.6 [46.48]	153.0 [44.84]	152.9 [44.81]	147.4 [43.20]	141.8 [41.56]	
		Sens BTUH [kW]	109.3 [32.03]	98.4 [28.84]	87.5 [25.64]	129.7 [38.01]	118.8 [34.82]	107.9 [31.62]	141.9 [41.59]	131.0 [38.39]	120.1 [35.20]	
		Power	12.6	12.4	12.2	12.5	12.3	12.1	12.3	12.0	11.8	
	90 [32.2]	Total BTUH [kW]	163.2 [47.83]	157.6 [46.19]	152.1 [44.58]	161.7 [47.39]	156.2 [45.78]	150.6 [44.14]	150.5 [44.11]	145.0 [42.50]	139.4 [40.85]	
		Sens BTUH [kW]	108.6 [31.83]	97.7 [28.63]	86.8 [25.44]	129.0 [37.81]	118.1 [34.61]	107.2 [31.42]	141.2 [41.38]	130.3 [38.19]	119.4 [34.99]	
		Power	13.2	12.9	12.7	13.1	12.9	12.6	12.8	12.6	12.4	
	95 [35]	Total BTUH [kW]	159.8 [46.83]	154.2 [45.19]	148.7 [43.58]	158.3 [46.39]	152.8 [44.78]	147.2 [43.14]	147.1 [43.11]	141.6 [41.50]	136.0 [39.86]	
		Sens BTUH [kW]	107.3 [31.45]	96.4 [28.25]	85.5 [25.06]	127.7 [37.43]	116.8 [34.23]	105.9 [31.04]	139.9 [41.00]	129.0 [37.81]	118.1 [34.61]	
		Power	13.7	13.5	13.3	13.7	13.4	13.2	13.4	13.2	12.9	
	100 [37.8]	Total BTUH [kW]	155.5 [45.57]	149.9 [43.93]	144.4 [42.32]	154.0 [45.13]	148.5 [43.52]	142.9 [41.88]	142.8 [41.85]	137.3 [40.24]	131.7 [38.60]	
		Sens BTUH [kW]	105.3 [30.86]	94.4 [27.67]	83.5 [24.47]	125.8 [36.87]	114.9 [33.67]	103.9 [30.45]	138.0 [40.44]	127.1 [37.25]	116.2 [34.05]	
		Power	14.3	14.1	13.9	14.2	14.0	13.8	14.0	13.7	13.5	
	105 [40.6]	Total BTUH [kW]	150.3 [44.05]	144.8 [42.44]	139.2 [40.80]	148.9 [43.64]	143.3 [42.00]	137.8 [40.39]	137.7 [40.36]	132.1 [38.71]	126.6 [37.10]	
		Sens BTUH [kW]	102.8 [30.13]	91.9 [26.93]	81.0 [23.74]	123.3 [36.14]	112.4 [32.94]	101.5 [29.75]	135.5 [39.71]	124.6 [36.52]	113.7 [33.32]	
		Power	14.9	14.6	14.4	14.8	14.6	14.3	14.5	14.3	14.1	
	110 [43.3]	Total BTUH [kW]	144.4 [42.32]	138.9 [40.71]	133.3 [39.07]	143.0 [41.91]	137.4 [40.27]	131.9 [38.66]	131.8 [38.63]	126.2 [36.99]	120.6 [35.34]	
		Sens BTUH [kW]	99.9 [29.28]	89.0 [26.08]	78.1 [22.89]	120.3 [35.26]	109.4 [32.06]	98.5 [28.87]	131.8 [38.63]	121.6 [35.64]	110.7 [32.44]	
		Power	15.4	15.2	15.0	15.3	15.1	14.9	15.1	14.9	14.6	
	115 [46.1]	Total BTUH [kW]	137.8 [40.39]	132.3 [38.77]	126.7 [37.13]	136.4 [39.97]	130.8 [38.33]	125.3 [36.72]	125.2 [36.69]	119.6 [35.05]	114.0 [33.41]	
		Sens BTUH [kW]	96.5 [28.28]	85.6 [25.09]	74.7 [21.89]	116.9 [34.26]	106.0 [31.07]	95.1 [27.87]	125.2 [36.69]	118.2 [34.64]	107.3 [31.45]	
		Power	16.0	15.8	15.5	15.9	15.7	15.5	15.6	15.4	15.2	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—A181

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]			5880 [2775]	4900 [2312]	3920 [1850]	5880 [2775]	4900 [2312]	3920 [1850]	5880 [2775]	4900 [2312]	3920 [1850]	
DR ①			.10	.08	.05	.10	.08	.05	.10	.08	.05	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	205.5 [60.22]	198.9 [58.29]	192.4 [56.39]	198.6 [58.20]	192.1 [56.30]	185.5 [54.36]	190.9 [55.95]	184.4 [54.04]	177.9 [52.14]	
		Sens BTUH [kW]	123.9 [36.31]	111.7 [32.74]	99.6 [29.19]	147.0 [43.08]	134.9 [39.54]	122.8 [35.99]	169.4 [49.65]	157.3 [46.10]	145.1 [42.52]	
		Power	14.9	14.6	14.3	14.5	14.2	13.9	14.2	13.9	13.6	
	80 [26.7]	Total BTUH [kW]	203.1 [59.52]	196.5 [57.59]	190.0 [55.68]	196.2 [57.50]	189.7 [55.60]	183.2 [53.69]	188.6 [55.27]	182.0 [53.33]	175.5 [51.43]	
		Sens BTUH [kW]	123.0 [36.05]	110.9 [32.50]	98.8 [28.96]	146.2 [42.85]	134.0 [39.27]	121.9 [35.73]	168.5 [49.38]	156.4 [45.84]	144.3 [42.29]	
		Power	15.6	15.3	15.0	15.2	14.9	14.6	14.9	14.6	14.3	
	85 [29.4]	Total BTUH [kW]	200.2 [58.67]	193.7 [56.77]	187.2 [54.86]	193.4 [56.68]	186.9 [54.77]	180.3 [52.84]	185.7 [54.40]	179.2 [52.52]	172.7 [50.61]	
		Sens BTUH [kW]	121.9 [35.73]	109.8 [32.18]	97.7 [28.63]	145.0 [42.50]	132.9 [38.95]	120.8 [35.20]	167.4 [49.06]	155.3 [45.51]	143.2 [41.97]	
		Power	16.3	16.0	15.8	15.9	15.7	15.4	15.6	15.3	15.0	
	90 [32.2]	Total BTUH [kW]	197.0 [57.74]	190.4 [55.80]	183.9 [53.90]	190.1 [55.71]	183.6 [53.81]	177.0 [51.81]	182.5 [53.49]	175.9 [51.55]	169.4 [49.65]	
		Sens BTUH [kW]	120.5 [35.32]	108.4 [31.77]	96.3 [28.22]	143.6 [42.09]	131.5 [38.54]	119.4 [34.99]	166.0 [48.65]	153.9 [45.10]	141.8 [41.56]	
		Power	17.0	16.8	16.5	16.7	16.4	16.1	16.3	16.1	15.8	
	95 [35]	Total BTUH [kW]	193.2 [56.62]	186.7 [54.72]	180.2 [52.81]	186.4 [54.63]	179.9 [52.72]	173.3 [50.79]	178.7 [52.37]	172.2 [50.47]	165.7 [48.56]	
		Sens BTUH [kW]	118.9 [34.85]	106.7 [31.27]	94.6 [27.72]	142.0 [41.62]	129.9 [38.07]	117.7 [34.49]	164.4 [48.18]	152.3 [44.63]	140.1 [41.06]	
		Power	17.8	17.5	17.2	17.4	17.1	16.8	17.1	16.8	16.5	
	100 [37.8]	Total BTUH [kW]	189.1 [55.42]	182.5 [53.49]	176.0 [51.58]	182.2 [53.40]	175.7 [51.49]	169.2 [49.59]	174.6 [51.17]	168.0 [49.24]	161.5 [47.33]	
		Sens BTUH [kW]	117.0 [34.29]	104.9 [30.74]	92.7 [27.17]	140.1 [41.06]	128.0 [37.51]	115.9 [33.97]	162.5 [47.62]	150.4 [44.08]	138.3 [40.53]	
		Power	18.5	18.2	17.9	18.1	17.8	17.6	17.8	17.5	17.2	
	105 [40.6]	Total BTUH [kW]	184.5 [54.07]	178.0 [52.17]	171.4 [50.23]	177.7 [52.08]	171.1 [50.14]	164.6 [48.24]	170.0 [49.82]	163.4 [47.89]	156.9 [45.98]	
		Sens BTUH [kW]	114.9 [33.67]	102.8 [30.13]	90.6 [26.55]	138.0 [40.44]	125.9 [36.90]	113.8 [33.35]	160.4 [47.01]	148.3 [43.46]	136.2 [39.92]	
		Power	19.2	18.9	18.7	18.8	18.6	18.3	18.5	18.2	18.0	
	110 [43.3]	Total BTUH [kW]	179.5 [52.61]	172.9 [50.67]	166.4 [48.77]	172.6 [50.58]	166.1 [48.68]	159.6 [46.77]	165.0 [48.36]	158.4 [46.42]	151.9 [44.52]	
		Sens BTUH [kW]	112.6 [33.00]	100.5 [29.45]	88.3 [25.88]	135.7 [39.77]	123.6 [36.22]	111.5 [32.67]	158.1 [46.33]	146.0 [42.79]	133.9 [39.24]	
		Power	20.0	19.7	19.4	19.6	19.3	19.0	19.2	19.0	18.7	
	115 [46.1]	Total BTUH [kW]	174.1 [51.02]	167.5 [49.09]	161.0 [47.18]	167.2 [49.00]	160.7 [47.10]	154.1 [45.16]	159.5 [46.74]	153.0 [44.84]	146.5 [42.93]	
		Sens BTUH [kW]	110.1 [32.27]	98.0 [28.72]	85.9 [25.17]	133.2 [39.04]	121.1 [35.49]	109.0 [31.94]	155.6 [45.60]	143.5 [42.06]	131.4 [38.51]	
		Power	20.7	20.4	20.1	20.3	20.0	19.7	20.0	19.7	19.4	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—A090

ENTERING INDOOR AIR @ 80°F [26.7°C]											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			3840 [1812]	3200 [1510]	2560 [1208]	3840 [1812]	3200 [1510]	2560 [1208]	3840 [1812]	3200 [1510]	2560 [1208]
DR ①			.20	.16	.12	.20	.16	.12	.20	.16	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	107.2 [31.42]	103.8 [30.42]	100.4 [29.42]	104.6 [30.66]	101.2 [29.66]	97.8 [28.66]	100.2 [29.37]	96.8 [28.37]	93.4 [27.37]
		Sens BTUH [kW]	64.8 [18.99]	58.1 [17.03]	51.5 [15.09]	79.8 [23.39]	73.1 [21.42]	66.4 [19.46]	90.9 [26.64]	84.3 [24.71]	77.6 [22.74]
		Power	6.4	6.3	6.2	6.4	6.2	6.1	6.3	6.2	6.1
	80 [26.7]	Total BTUH [kW]	105.0 [30.77]	101.6 [29.78]	98.2 [28.78]	102.4 [30.01]	99.0 [29.01]	95.6 [28.02]	97.9 [28.69]	94.5 [27.70]	91.1 [26.70]
		Sens BTUH [kW]	64.5 [18.90]	57.9 [16.97]	51.2 [15.01]	79.5 [23.30]	72.8 [21.34]	66.2 [19.40]	90.6 [26.55]	84.0 [24.62]	77.3 [22.65]
		Power	6.8	6.7	6.6	6.8	6.6	6.5	6.7	6.6	6.5
	85 [29.4]	Total BTUH [kW]	103.1 [30.22]	99.7 [29.22]	96.3 [28.22]	100.5 [29.45]	97.1 [28.46]	93.7 [27.46]	96.0 [28.13]	92.6 [27.14]	89.2 [26.14]
		Sens BTUH [kW]	64.2 [18.82]	57.5 [16.85]	50.9 [14.92]	79.1 [23.18]	72.5 [21.25]	65.8 [19.28]	90.3 [26.46]	83.6 [24.50]	77.0 [22.57]
		Power	7.2	7.1	6.9	7.1	7.0	6.9	7.1	7.0	6.8
	90 [32.2]	Total BTUH [kW]	101.3 [29.69]	97.9 [28.69]	94.5 [27.70]	98.7 [28.93]	95.3 [27.93]	91.9 [26.93]	94.2 [27.61]	90.8 [26.61]	87.4 [25.61]
		Sens BTUH [kW]	63.7 [18.67]	57.1 [16.73]	50.4 [14.77]	78.7 [23.06]	72.0 [21.10]	65.4 [19.17]	89.8 [26.32]	83.2 [24.38]	76.5 [22.42]
		Power	7.6	7.4	7.3	7.5	7.4	7.2	7.5	7.3	7.2
	95 [35]	Total BTUH [kW]	99.4 [29.13]	96.0 [28.13]	92.6 [27.14]	96.8 [28.37]	93.4 [27.37]	90.0 [26.38]	92.3 [27.05]	88.9 [26.05]	85.5 [25.06]
		Sens BTUH [kW]	63.1 [18.49]	56.4 [16.53]	49.8 [14.59]	78.0 [22.86]	71.4 [20.93]	64.7 [18.96]	89.2 [26.14]	82.5 [24.18]	75.9 [22.24]
		Power	7.9	7.8	7.7	7.9	7.7	7.6	7.8	7.7	7.6
	100 [37.8]	Total BTUH [kW]	97.1 [28.46]	93.7 [27.46]	90.3 [26.46]	94.5 [27.70]	91.1 [26.70]	87.7 [25.70]	90.1 [26.41]	86.7 [25.41]	83.3 [24.41]
		Sens BTUH [kW]	62.2 [18.23]	55.5 [16.27]	48.9 [14.33]	77.2 [22.63]	70.5 [20.66]	63.8 [18.70]	88.3 [25.88]	81.7 [23.94]	75.0 [21.98]
		Power	8.3	8.2	8.1	8.2	8.1	8.0	8.2	8.1	8.0
	105 [40.6]	Total BTUH [kW]	94.3 [27.64]	90.9 [26.64]	87.5 [25.64]	91.7 [26.87]	88.3 [25.88]	84.9 [24.88]	87.3 [25.59]	83.9 [24.59]	80.5 [23.59]
		Sens BTUH [kW]	61.0 [17.88]	54.4 [15.94]	47.7 [13.98]	76.0 [22.27]	69.3 [20.31]	62.7 [18.38]	87.1 [25.53]	80.5 [23.59]	73.8 [21.63]
		Power	8.7	8.6	8.4	8.6	8.5	8.4	8.6	8.5	8.3
	110 [43.3]	Total BTUH [kW]	90.8 [26.61]	87.4 [25.61]	84.0 [24.62]	88.2 [25.85]	84.8 [24.85]	81.4 [23.86]	83.7 [24.53]	80.3 [23.53]	76.9 [22.54]
		Sens BTUH [kW]	59.5 [17.44]	52.8 [15.47]	46.2 [13.54]	74.5 [21.83]	67.8 [19.87]	61.1 [17.91]	83.7 [24.53]	79.0 [23.15]	72.3 [21.19]
		Power	9.1	8.9	8.8	9.0	8.9	8.7	9.0	8.8	8.7
	115 [46.1]	Total BTUH [kW]	86.2 [25.26]	82.8 [24.27]	79.4 [23.27]	83.6 [24.50]	80.2 [23.50]	76.8 [22.51]	79.2 [23.21]	75.8 [22.21]	72.4 [21.22]
		Sens BTUH [kW]	57.6 [16.88]	50.9 [14.92]	44.2 [12.95]	72.5 [21.25]	65.9 [19.31]	59.2 [17.35]	79.2 [23.21]	75.8 [22.21]	70.4 [20.63]
		Power	9.4	9.3	9.2	9.4	9.2	9.1	9.3	9.2	9.1

GROSS SYSTEMS PERFORMANCE DATA—A102

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]			4080 [1926]	3400 [1605]	2720 [1284]	4080 [1926]	3400 [1605]	2720 [1284]	4080 [1926]	3400 [1605]	2720 [1284]
DR ①			.15	.12	.07	.15	.12	.07	.15	.12	.07
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	119.8 [35.11]	116.0 [34.00]	112.2 [32.88]	115.3 [33.79]	111.5 [32.68]	107.8 [31.59]	109.9 [32.21]	106.1 [31.09]	102.3 [29.98]
		Sens BTUH [kW]	75.2 [22.04]	67.7 [19.84]	60.2 [17.64]	89.6 [26.26]	82.1 [24.06]	74.6 [21.86]	101.9 [29.86]	94.4 [27.67]	86.9 [25.47]
		Power	7.2	7.1	6.9	7.1	7.0	6.8	7.0	6.9	6.7
	80 [26.7]	Total BTUH [kW]	118.8 [34.82]	115.0 [33.70]	111.2 [32.59]	114.4 [33.53]	110.6 [32.41]	106.8 [31.30]	108.9 [31.92]	105.1 [30.80]	101.3 [29.69]
		Sens BTUH [kW]	74.9 [21.95]	67.4 [19.75]	59.9 [17.55]	89.3 [26.17]	81.8 [23.97]	74.4 [21.80]	101.6 [29.78]	94.1 [27.58]	86.6 [25.38]
		Power	7.6	7.4	7.3	7.5	7.4	7.2	7.4	7.3	7.1
	85 [29.4]	Total BTUH [kW]	117.1 [34.32]	113.3 [33.20]	109.5 [32.09]	112.7 [33.03]	108.9 [31.92]	105.1 [30.80]	107.2 [31.42]	103.4 [30.30]	99.6 [29.19]
		Sens BTUH [kW]	74.5 [21.83]	67.0 [19.64]	59.5 [17.44]	88.9 [26.05]	81.4 [23.86]	73.9 [21.66]	101.2 [29.66]	93.7 [27.46]	86.2 [25.26]
		Power	8.0	7.8	7.7	7.9	7.7	7.6	7.8	7.7	7.5
	90 [32.2]	Total BTUH [kW]	114.9 [33.67]	111.1 [32.56]	107.3 [31.45]	110.5 [32.38]	106.7 [31.27]	102.9 [30.16]	105.0 [30.77]	101.2 [29.66]	97.4 [28.55]
		Sens BTUH [kW]	73.9 [21.66]	66.4 [19.46]	58.9 [17.26]	88.3 [25.88]	80.8 [23.68]	73.3 [21.48]	100.5 [29.45]	93.1 [27.28]	85.6 [25.09]
		Power	8.4	8.2	8.1	8.3	8.1	8.0	8.2	8.1	7.9
	95 [35]	Total BTUH [kW]	112.2 [32.88]	108.5 [31.80]	104.7 [30.68]	107.8 [31.59]	104.0 [30.48]	100.2 [29.37]	102.3 [29.98]	98.6 [28.90]	94.8 [27.78]
		Sens BTUH [kW]	73.1 [21.42]	65.6 [19.23]	58.1 [17.03]	87.5 [25.64]	80.0 [23.45]	72.6 [21.28]	100.1 [29.34]	92.3 [27.05]	84.8 [24.85]
		Power	8.8	8.6	8.5	8.7	8.5	8.4	8.6	8.4	8.3
	100 [37.8]	Total BTUH [kW]	109.3 [32.03]	105.5 [30.92]	101.7 [29.81]	104.9 [30.74]	101.1 [29.63]	97.3 [28.52]	99.4 [29.13]	95.6 [28.02]	91.8 [26.90]
		Sens BTUH [kW]	72.1 [21.13]	64.7 [18.96]	57.2 [16.76]	86.6 [25.38]	79.1 [23.18]	71.6 [20.98]	98.6 [28.90]	91.4 [26.79]	83.9 [24.59]
		Power	9.1	9.0	8.9	9.1	8.9	8.8	9.0	8.8	8.7
	105 [40.6]	Total BTUH [kW]	106.2 [31.12]	102.4 [30.01]	98.6 [28.90]	101.7 [29.81]	98.0 [28.72]	94.2 [27.61]	96.3 [28.22]	92.5 [27.11]	88.7 [26.00]
		Sens BTUH [kW]	71.0 [20.81]	63.6 [18.64]	56.1 [16.44]	85.4 [25.03]	78.0 [22.86]	70.5 [20.66]	96.3 [28.22]	90.3 [26.46]	82.8 [24.27]
		Power	9.5	9.4	9.2	9.4	9.3	9.2	9.4	9.2	9.1
	110 [43.3]	Total BTUH [kW]	103.0 [30.19]	99.2 [29.07]	95.4 [27.96]	98.6 [28.90]	94.8 [27.78]	91.0 [26.67]	93.1 [27.28]	89.3 [26.17]	85.5 [25.06]
		Sens BTUH [kW]	69.7 [20.43]	62.3 [18.26]	54.8 [16.06]	84.1 [24.65]	76.7 [22.48]	69.2 [20.28]	93.1 [27.28]	89.0 [26.08]	81.5 [23.89]
		Power	9.9	9.8	9.6	9.8	9.7	9.6	9.8	9.6	9.5
	115 [46.1]	Total BTUH [kW]	99.9 [29.28]	96.2 [28.19]	92.4 [27.08]	95.5 [27.99]	91.7 [26.87]	88.0 [25.79]	90.0 [26.38]	86.3 [25.29]	82.5 [24.18]
		Sens BTUH [kW]	68.2 [19.99]	60.8 [17.82]	53.3 [15.62]	82.7 [24.24]	75.2 [22.04]	67.7 [19.84]	90.0 [26.38]	86.3 [25.29]	80.0 [23.45]
		Power	10.3	10.2	10.0	10.2	10.1	9.9	10.1	10.0	9.9

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

GROSS SYSTEMS PERFORMANCE DATA—A120

ENTERING INDOOR AIR @ 80°F [26.7°C]												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			4800 [2265]	4000 [1888]	3200 [1510]	4800 [2265]	4000 [1888]	3200 [1510]	4800 [2265]	4000 [1888]	3200 [1510]	
DR ①			.18	.15	.11	.18	.15	.11	.18	.15	.11	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	144.7 [42.41]	140.1 [41.06]	135.5 [39.71]	141.6 [41.50]	137.0 [40.15]	132.5 [38.83]	139.1 [40.77]	134.5 [39.42]	129.9 [38.07]	
		Sens BTUH [kW]	86.8 [25.44]	78.1 [22.89]	69.3 [20.31]	105.8 [31.01]	97.1 [28.46]	88.3 [25.88]	121.4 [35.58]	112.7 [33.03]	103.9 [30.45]	
		Power	8.7	8.5	8.4	8.5	8.3	8.1	8.4	8.3	8.1	
	80 [26.7]	Total BTUH [kW]	143.7 [42.11]	139.2 [40.80]	134.6 [39.45]	140.6 [41.21]	136.1 [39.89]	131.5 [38.54]	138.1 [40.47]	133.6 [39.15]	129.0 [37.81]	
		Sens BTUH [kW]	86.6 [25.38]	77.8 [22.80]	69.1 [20.25]	105.6 [30.95]	96.8 [28.37]	88.1 [25.82]	121.2 [35.52]	112.4 [32.94]	103.7 [30.39]	
		Power	9.1	9.0	8.8	8.9	8.7	8.6	8.9	8.7	8.5	
	85 [29.4]	Total BTUH [kW]	141.2 [41.38]	136.6 [40.03]	132.0 [38.69]	138.1 [40.47]	133.5 [39.12]	129.0 [37.81]	135.6 [39.74]	131.0 [38.39]	126.5 [37.07]	
		Sens BTUH [kW]	85.9 [25.17]	77.1 [22.60]	68.4 [20.05]	104.9 [30.74]	96.1 [28.16]	87.4 [25.61]	120.5 [35.32]	111.8 [32.77]	103.0 [30.19]	
		Power	9.6	9.4	9.2	9.3	9.1	9.0	9.3	9.1	8.9	
	90 [32.2]	Total BTUH [kW]	137.6 [40.33]	133.0 [38.98]	128.4 [37.63]	134.5 [39.42]	129.9 [38.07]	125.3 [36.72]	132.0 [38.69]	127.4 [37.34]	122.8 [35.99]	
		Sens BTUH [kW]	84.8 [24.85]	76.1 [22.30]	67.3 [19.72]	103.8 [30.42]	95.1 [27.87]	86.3 [25.29]	119.4 [34.99]	110.7 [32.44]	102.0 [29.89]	
		Power	10.0	9.8	9.6	9.7	9.6	9.4	9.7	9.5	9.4	
	95 [35]	Total BTUH [kW]	133.4 [39.10]	128.8 [37.75]	124.2 [36.40]	130.3 [38.19]	125.7 [36.84]	121.1 [35.49]	127.8 [37.45]	123.2 [36.11]	118.6 [34.76]	
		Sens BTUH [kW]	83.5 [24.47]	74.7 [21.89]	66.0 [19.34]	102.4 [30.01]	93.7 [27.46]	85.0 [24.91]	118.1 [34.61]	109.3 [32.03]	100.6 [29.48]	
		Power	10.4	10.2	10.1	10.1	10.0	9.8	10.1	9.9	9.8	
	100 [37.8]	Total BTUH [kW]	129.0 [37.81]	124.5 [36.49]	119.9 [35.14]	126.0 [36.93]	121.4 [35.58]	116.8 [34.23]	123.5 [36.19]	118.9 [34.85]	114.3 [33.50]	
		Sens BTUH [kW]	81.8 [23.97]	73.1 [21.42]	64.3 [18.84]	100.8 [29.54]	92.1 [26.99]	83.3 [24.41]	116.4 [34.11]	107.7 [31.56]	98.9 [28.98]	
		Power	10.8	10.6	10.5	10.6	10.4	10.2	10.5	10.4	10.2	
	105 [40.6]	Total BTUH [kW]	125.1 [36.66]	120.6 [35.34]	116.0 [34.00]	122.0 [35.75]	117.5 [34.44]	112.9 [33.09]	119.5 [35.02]	115.0 [33.70]	110.4 [32.36]	
		Sens BTUH [kW]	80.0 [23.45]	71.3 [20.90]	62.5 [18.32]	99.0 [29.01]	90.2 [26.44]	81.5 [23.89]	114.6 [33.59]	105.9 [31.04]	97.1 [28.46]	
		Power	11.2	11.1	10.9	11.0	10.8	10.7	11.0	10.8	10.6	
	110 [43.3]	Total BTUH [kW]	122.1 [35.78]	117.5 [34.44]	113.0 [33.12]	119.0 [34.88]	114.4 [33.53]	109.9 [32.21]	116.5 [34.14]	111.9 [32.79]	107.4 [31.48]	
		Sens BTUH [kW]	78.0 [22.86]	69.3 [20.31]	60.5 [17.73]	97.0 [28.43]	88.3 [25.88]	79.5 [23.30]	112.6 [33.00]	103.9 [30.45]	95.1 [27.87]	
		Power	11.7	11.5	11.3	11.4	11.2	11.1	11.4	11.2	11.0	
	115 [46.1]	Total BTUH [kW]	120.5 [35.32]	115.9 [33.97]	111.3 [32.62]	117.4 [34.41]	112.8 [33.06]	108.2 [31.71]	114.9 [33.67]	110.3 [32.33]	105.7 [30.98]	
		Sens BTUH [kW]	76.0 [22.27]	67.2 [19.69]	58.5 [17.14]	94.9 [27.81]	86.2 [25.26]	77.5 [22.71]	110.6 [32.41]	101.8 [29.83]	93.1 [27.28]	
		Power	12.1	11.9	11.7	11.8	11.7	11.5	11.8	11.6	11.5	

GROSS SYSTEMS PERFORMANCE DATA—A150

ENTERING INDOOR AIR @ 80°F [26.7°C]												
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]			5800 [2737]	4300 [2029]	3800 [1793]	5800 [2737]	4300 [2029]	3800 [1793]	5800 [2737]	4300 [2029]	3800 [1793]	
DR ①			.12	.09	.07	.12	.09	.07	.12	.09	.07	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	186.1 [54.54]	175.0 [51.29]	171.3 [50.20]	174.6 [51.17]	164.2 [48.12]	160.7 [47.10]	168.5 [49.38]	158.5 [46.45]	155.1 [45.46]	
		Sens BTUH [kW]	110.8 [32.47]	95.2 [27.90]	90.1 [26.41]	134.5 [39.42]	115.7 [33.91]	109.4 [32.06]	159.6 [46.77]	137.3 [40.24]	129.8 [38.04]	
		Power	11.0	10.6	10.5	10.7	10.4	10.3	10.4	10.1	10.0	
	80 [26.7]	Total BTUH [kW]	184.0 [53.93]	173.0 [50.70]	169.4 [49.65]	172.5 [50.55]	162.2 [47.54]	158.8 [46.54]	166.4 [48.77]	156.5 [45.87]	153.1 [44.87]	
		Sens BTUH [kW]	110.3 [32.33]	94.8 [27.78]	89.7 [26.29]	134.1 [39.30]	115.3 [33.79]	109.0 [31.94]	159.2 [46.66]	136.9 [40.12]	129.5 [37.95]	
		Power	11.6	11.3	11.2	11.4	11.1	11.0	11.1	10.8	10.7	
	85 [29.4]	Total BTUH [kW]	181.3 [53.13]	170.5 [49.97]	166.8 [48.88]	169.8 [49.76]	159.6 [46.77]	156.3 [45.81]	163.6 [47.95]	153.9 [45.10]	150.6 [44.14]	
		Sens BTUH [kW]	109.1 [31.97]	93.8 [27.49]	88.7 [26.00]	132.9 [38.95]	114.3 [33.50]	108.1 [31.68]	158.0 [46.31]	135.9 [39.83]	128.5 [37.66]	
		Power	12.2	11.9	11.8	12.0	11.7	11.6	11.7	11.4	11.3	
	90 [32.2]	Total BTUH [kW]	178.0 [52.17]	167.4 [49.06]	163.8 [48.01]	166.5 [48.80]	156.6 [45.89]	153.3 [44.93]	160.4 [47.01]	150.8 [44.20]	147.6 [43.26]	
		Sens BTUH [kW]	107.4 [31.48]	92.4 [27.08]	87.4 [25.61]	131.2 [38.45]	112.8 [33.06]	106.7 [31.27]	156.2 [45.78]	134.4 [39.39]	127.1 [37.25]	
		Power	12.9	12.5	12.4	12.7	12.3	12.2	12.4	12.0	11.9	
	95 [35]	Total BTUH [kW]	174.3 [51.08]	163.9 [48.03]	160.5 [47.04]	162.8 [47.71]	153.1 [44.87]	149.9 [43.93]	156.7 [45.92]	147.4 [43.20]	144.2 [42.26]	
		Sens BTUH [kW]	105.4 [30.89]	90.7 [26.58]	85.8 [25.15]	129.2 [37.86]	111.1 [32.56]	105.1 [30.80]	154.6 [45.31]	132.7 [38.89]	125.5 [36.78]	
		Power	13.5	13.2	13.0	13.3	13.0	12.8	13.0	12.6	12.5	
	100 [37.8]	Total BTUH [kW]	170.4 [49.94]	160.2 [46.95]	156.9 [45.98]	158.9 [46.57]	149.4 [43.78]	146.3 [42.88]	152.8 [44.78]	143.7 [42.11]	140.6 [41.21]	
		Sens BTUH [kW]	103.4 [30.30]	88.9 [26.05]	84.1 [24.65]	127.1 [37.25]	109.3 [32.03]	103.4 [30.30]	152.0 [44.55]	130.9 [38.36]	123.8 [36.28]	
		Power	14.2	13.8	13.7	14.0	13.6	13.5	13.7	13.3	13.1	
	105 [40.6]	Total BTUH [kW]	166.3 [48.74]	156.4 [45.84]	153.1 [44.87]	154.8 [45.37]	145.6 [42.67]	142.5 [41.76]	148.7 [43.58]	139.8 [40.97]	136.8 [40.09]	
		Sens BTUH [kW]	101.3 [29.69]	87.2 [25.56]	82.4 [24.15]	125.1 [36.66]	107.6 [31.53]	101.8 [29.83]	148.7 [43.58]	129.2 [37.86]	122.2 [35.81]	
		Power	14.8	14.4	14.3	14.6	14.2	14.1	14.3	13.9	13.8	
	110 [43.3]	Total BTUH [kW]	162.2 [47.54]	152.5 [44.69]	149.3 [43.76]	150.6 [44.14]	141.7 [41.53]	138.7 [40.65]	144.5 [42.35]	135.9 [39.83]	133.0 [38.98]	
		Sens BTUH [kW]	99.6 [29.19]	85.7 [25.12]	81.0 [23.74]	123.4 [36.16]	106.1 [31.09]	100.4 [29.42]	144.5 [42.35]	127.7 [37.43]	120.8 [35.40]	
		Power	15.5	15.1	14.9	15.3	14.9	14.7	15.0	14.5	14.4	
	115 [46.1]	Total BTUH [kW]	158.1 [46.33]	148.6 [43.55]	145.5 [42.64]	146.6 [42.96]	137.8 [40.39]	134.9 [39.54]	140.4 [41.15]	132.1 [38.71]	129.3 [37.89]	
		Sens BTUH [kW]	98.4 [28.84]	84.6 [24.79]	80.0 [23.45]	122.2 [35.81]	105.1 [30.80]	99.4 [29.13]	140.4 [41.15]	126.7 [37.13]	119.8 [35.11]	
		Power	16.1	15.7	15.5	15.9	15.5	15.3	15.6	15.2	15.0	

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—A090

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]			3600 [1699]	2625 [1238]	2400 [1132]	3600 [1699]	2625 [1238]	2400 [1132]	3600 [1699]	2625 [1238]	2400 [1132]	
DR ①			.14	.09	.08	.14	.09	.08	.14	.09	.08	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	108.1 [31.68]	101.3 [29.69]	99.7 [29.22]	104.1 [30.51]	97.5 [28.57]	96.0 [28.13]	98.1 [28.75]	91.9 [26.93]	90.5 [26.52]	
		Sens BTUH [kW]	68.1 [19.96]	58.0 [17.00]	55.7 [16.32]	82.6 [24.21]	70.4 [20.63]	67.5 [19.78]	95.3 [27.93]	81.3 [23.83]	78.0 [22.86]	
		Power	5.9	5.7	5.7	5.8	5.6	5.6	5.7	5.6	5.5	
	80 [26.7]	Total BTUH [kW]	106.4 [31.18]	99.7 [29.22]	98.1 [28.75]	102.4 [30.01]	95.9 [28.11]	94.4 [27.67]	96.4 [28.25]	90.3 [26.46]	88.9 [26.05]	
		Sens BTUH [kW]	67.3 [19.72]	57.3 [16.79]	55.0 [16.12]	81.8 [23.97]	69.7 [20.43]	66.9 [19.61]	94.6 [27.72]	80.6 [23.62]	77.3 [22.65]	
		Power	6.2	6.1	6.0	6.2	6.0	6.0	6.1	5.9	5.9	
	85 [29.4]	Total BTUH [kW]	104.4 [30.60]	97.8 [28.66]	96.2 [28.19]	100.4 [29.42]	94.0 [27.55]	92.6 [27.14]	94.4 [27.67]	88.4 [25.91]	87.0 [25.50]	
		Sens BTUH [kW]	66.2 [19.40]	56.4 [16.53]	54.2 [15.88]	80.7 [23.65]	68.7 [20.13]	66.0 [19.34]	93.5 [27.40]	79.6 [23.33]	76.5 [22.42]	
		Power	6.6	6.4	6.4	6.5	6.3	6.3	6.5	6.3	6.2	
	90 [32.2]	Total BTUH [kW]	102.0 [29.89]	95.6 [28.02]	94.1 [27.58]	98.0 [28.72]	91.8 [26.90]	90.4 [26.49]	92.0 [26.96]	86.2 [25.26]	84.8 [24.85]	
		Sens BTUH [kW]	64.8 [18.99]	55.3 [16.21]	53.1 [15.56]	79.3 [23.24]	67.6 [19.81]	64.9 [19.02]	92.0 [26.96]	78.5 [23.01]	75.4 [22.10]	
		Power	7.0	6.8	6.7	6.9	6.7	6.6	6.8	6.6	6.6	
	95 [35]	Total BTUH [kW]	99.3 [29.10]	93.0 [27.26]	91.5 [26.82]	95.3 [27.93]	89.3 [26.17]	87.9 [25.76]	89.3 [26.17]	83.6 [24.50]	82.3 [24.12]	
		Sens BTUH [kW]	63.3 [18.55]	53.9 [15.80]	51.8 [15.18]	77.7 [22.77]	66.3 [19.43]	63.6 [18.64]	89.3 [26.17]	77.1 [22.60]	74.1 [21.72]	
		Power	7.3	7.1	7.1	7.3	7.0	7.0	7.2	7.0	6.9	
	100 [37.8]	Total BTUH [kW]	96.1 [28.16]	90.0 [26.38]	88.6 [25.97]	92.1 [26.99]	86.3 [25.29]	84.9 [24.88]	86.1 [25.23]	80.6 [23.62]	79.4 [23.27]	
		Sens BTUH [kW]	61.5 [18.02]	52.4 [15.36]	50.3 [14.74]	76.0 [22.27]	64.7 [18.96]	62.1 [18.20]	86.1 [25.23]	75.6 [22.16]	72.6 [21.28]	
		Power	7.7	7.4	7.4	7.6	7.4	7.3	7.5	7.3	7.3	
	105 [40.6]	Total BTUH [kW]	92.4 [27.08]	86.6 [25.38]	85.2 [24.97]	88.4 [25.91]	82.9 [24.30]	81.6 [23.91]	82.4 [24.15]	77.2 [22.63]	76.0 [22.27]	
		Sens BTUH [kW]	59.5 [17.44]	50.7 [14.86]	48.7 [14.27]	74.0 [21.69]	63.1 [18.49]	60.5 [17.73]	82.4 [24.15]	74.0 [21.69]	71.0 [20.81]	
		Power	8.0	7.8	7.7	8.0	7.7	7.7	7.9	7.7	7.6	
	110 [43.3]	Total BTUH [kW]	88.3 [25.88]	82.7 [24.24]	81.4 [23.86]	84.3 [24.71]	78.9 [23.12]	77.7 [22.77]	78.2 [22.92]	73.3 [21.48]	72.1 [21.13]	
		Sens BTUH [kW]	57.4 [16.82]	48.9 [14.33]	47.0 [13.77]	71.9 [21.07]	61.3 [17.97]	58.8 [17.23]	78.2 [22.92]	72.2 [21.16]	69.3 [20.31]	
		Power	8.4	8.1	8.1	8.3	8.1	8.0	8.3	8.0	8.0	
	115 [46.1]	Total BTUH [kW]	83.5 [24.47]	78.2 [22.92]	77.0 [22.57]	79.5 [23.30]	74.5 [21.83]	73.3 [21.48]	73.5 [21.54]	68.8 [20.16]	67.8 [19.87]	
		Sens BTUH [kW]	55.2 [16.18]	47.1 [13.80]	45.2 [13.25]	69.7 [20.43]	59.4 [17.41]	57.0 [16.71]	73.5 [21.54]	68.8 [20.16]	67.5 [19.78]	
		Power	8.8	8.5	8.4	8.7	8.4	8.4	8.6	8.4	8.3	

GROSS SYSTEMS PERFORMANCE DATA—A102

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]			4100 [1934]	3650 [1722]	2700 [1274]	4100 [1934]	3650 [1722]	2700 [1274]	4100 [1934]	3650 [1722]	2700 [1274]	
DR ①			.12	.11	.02	.12	.11	.02	.12	.11	.02	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	114.2 [33.47]	111.7 [32.74]	106.4 [31.18]	110.6 [32.41]	108.2 [31.71]	103.0 [30.19]	105.6 [30.95]	103.3 [30.27]	98.4 [28.84]	
		Sens BTUH [kW]	71.2 [20.87]	67.3 [19.72]	59.1 [17.32]	88.6 [25.97]	83.8 [24.56]	73.6 [21.57]	103.2 [30.24]	97.6 [28.60]	85.8 [25.15]	
		Power	6.2	6.1	6.0	6.1	6.0	5.9	6.0	5.9	5.8	
	80 [26.7]	Total BTUH [kW]	113.9 [33.38]	111.4 [32.65]	106.2 [31.12]	110.3 [32.33]	107.9 [31.62]	102.8 [30.13]	105.4 [30.89]	103.0 [30.19]	98.2 [28.78]	
		Sens BTUH [kW]	72.0 [21.10]	68.1 [19.96]	59.8 [17.53]	89.5 [26.23]	84.6 [24.79]	74.3 [21.78]	104.3 [30.57]	98.4 [28.84]	86.5 [25.35]	
		Power	6.5	6.4	6.3	6.4	6.4	6.2	6.3	6.3	6.1	
	85 [29.4]	Total BTUH [kW]	113.2 [33.18]	110.7 [32.44]	105.4 [30.89]	109.6 [32.12]	107.2 [31.42]	102.1 [29.92]	104.6 [30.66]	102.3 [29.98]	97.5 [28.57]	
		Sens BTUH [kW]	72.3 [21.19]	68.4 [20.05]	60.1 [17.61]	89.8 [26.32]	84.9 [24.88]	74.6 [21.86]	104.2 [30.54]	98.8 [28.96]	86.7 [25.41]	
		Power	6.9	6.8	6.6	6.8	6.7	6.6	6.7	6.6	6.5	
	90 [32.2]	Total BTUH [kW]	111.8 [32.77]	109.4 [32.06]	104.2 [30.54]	108.2 [31.71]	105.9 [31.04]	100.8 [29.54]	103.2 [30.24]	101.0 [29.60]	96.2 [28.19]	
		Sens BTUH [kW]	72.1 [21.13]	68.2 [19.99]	59.9 [17.55]	89.5 [26.23]	84.6 [24.79]	74.4 [21.80]	103.2 [30.24]	98.6 [28.90]	86.5 [25.35]	
		Power	7.2	7.1	7.0	7.1	7.0	6.9	7.0	7.0	6.8	
	95 [35]	Total BTUH [kW]	109.9 [32.21]	107.5 [31.51]	102.4 [30.01]	106.3 [31.15]	104.0 [30.48]	99.0 [29.01]	101.3 [29.69]	99.1 [29.04]	94.4 [27.67]	
		Sens BTUH [kW]	71.3 [20.90]	67.5 [19.78]	59.3 [17.38]	88.8 [26.02]	84.0 [24.62]	73.8 [21.63]	101.3 [29.69]	97.8 [28.66]	85.9 [25.17]	
		Power	7.6	7.5	7.3	7.5	7.4	7.2	7.4	7.3	7.2	
	100 [37.8]	Total BTUH [kW]	107.3 [31.45]	104.9 [30.74]	100.0 [29.31]	103.7 [30.39]	101.4 [29.72]	96.6 [28.31]	98.7 [28.93]	96.5 [28.28]	92.0 [26.96]	
		Sens BTUH [kW]	70.2 [20.57]	66.3 [19.43]	58.3 [17.09]	87.6 [25.67]	82.8 [24.27]	72.8 [21.34]	98.7 [28.93]	96.5 [28.28]	84.9 [24.88]	
		Power	7.9	7.8	7.6	7.8	7.7	7.6	7.7	7.7	7.5	
	105 [40.6]	Total BTUH [kW]	104.0 [30.48]	101.7 [29.81]	96.9 [28.40]	100.4 [29.42]	98.2 [28.78]	93.5 [27.40]	95.4 [27.96]	93.3 [27.34]	88.9 [26.05]	
		Sens BTUH [kW]	68.6 [20.10]	64.9 [19.02]	57.0 [16.71]	86.0 [25.20]	81.3 [23.83]	71.5 [20.95]	95.4 [27.96]	93.3 [27.34]	83.6 [24.50]	
		Power	8.2	8.2	8.0	8.2	8.1	7.9	8.1	8.0	7.8	
	110 [43.3]	Total BTUH [kW]	99.9 [29.28]	97.7 [28.63]	93.1 [27.28]	96.3 [28.22]	94.2 [27.61]	89.8 [26.32]	91.3 [26.76]	89.3 [26.17]	85.1 [24.94]	
		Sens BTUH [kW]	66.6 [19.52]	63.0 [18.46]	55.4 [16.24]	84.1 [24.65]	79.5 [23.30]	69.9 [20.49]	91.3 [26.76]	89.3 [26.17]	82.0 [24.03]	
		Power	8.6	8.5	8.3	8.5	8.4	8.2	8.4	8.3	8.2	
	115 [46.1]	Total BTUH [kW]	95.1 [27.87]	93.0 [27.26]	88.6 [25.97]	91.5 [26.82]	89.5 [26.23]	85.2 [24.97]	86.5 [25.35]	84.6 [24.79]	80.6 [23.62]	
		Sens BTUH [kW]	64.4 [18.87]	60.9 [17.85]	53.5 [15.68]	81.8 [23.97]	77.4 [22.68]	68.0 [19.93]	86.5 [25.35]	84.6 [24.79]	80.1 [23.48]	
		Power	8.9	8.9	8.7	8.9	8.8	8.6	8.8	8.7	8.5	

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—A120

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]			4800 [2265]	3400 [1605]	3200 [1510]	4800 [2265]	3400 [1605]	3200 [1510]	4800 [2265]	3400 [1605]	3200 [1510]	
DR ①			.17	.13	.13	.17	.13	.13	.17	.13	.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	154.2 [45.19]	143.5 [42.06]	141.9 [41.59]	144.3 [42.29]	134.3 [39.36]	132.8 [38.92]	135.4 [39.68]	126.0 [36.93]	124.6 [36.52]	
		Sens BTUH [kW]	94.1 [27.58]	78.9 [23.12]	76.8 [22.51]	110.8 [32.47]	93.0 [27.26]	90.4 [26.49]	129.0 [37.81]	108.2 [31.71]	105.2 [30.83]	
		Power	8.0	7.7	7.7	7.9	7.6	7.6	7.8	7.5	7.5	
	80 [26.7]	Total BTUH [kW]	151.4 [44.37]	140.8 [41.26]	139.3 [40.82]	141.5 [41.47]	131.6 [38.57]	130.2 [38.16]	132.6 [38.86]	123.3 [36.14]	122.0 [35.75]	
		Sens BTUH [kW]	92.6 [27.14]	77.7 [22.77]	75.5 [22.13]	109.3 [32.03]	91.7 [26.87]	89.2 [26.14]	127.5 [37.37]	106.9 [31.33]	104.0 [30.48]	
		Power	8.5	8.2	8.2	8.4	8.1	8.1	8.3	8.0	8.0	
	85 [29.4]	Total BTUH [kW]	148.8 [43.61]	138.4 [40.56]	136.9 [40.12]	138.9 [40.71]	129.2 [37.86]	127.8 [37.45]	130.0 [38.10]	120.9 [35.43]	119.6 [35.05]	
		Sens BTUH [kW]	90.9 [26.64]	76.3 [22.36]	74.2 [21.75]	107.7 [31.56]	90.3 [26.46]	87.9 [25.76]	125.8 [36.87]	105.5 [30.92]	102.7 [30.10]	
		Power	9.0	8.7	8.7	8.9	8.6	8.6	8.8	8.5	8.5	
	90 [32.2]	Total BTUH [kW]	146.2 [42.85]	136.0 [39.86]	134.6 [39.45]	136.3 [39.95]	126.8 [37.16]	125.5 [36.78]	127.4 [37.34]	118.5 [34.73]	117.3 [34.38]	
		Sens BTUH [kW]	89.2 [26.14]	74.8 [21.92]	72.8 [21.34]	105.9 [31.04]	88.9 [26.05]	86.4 [25.32]	124.0 [36.34]	104.1 [30.51]	101.2 [29.66]	
		Power	9.5	9.2	9.2	9.5	9.1	9.1	9.3	9.0	9.0	
	95 [35]	Total BTUH [kW]	143.5 [42.06]	133.5 [39.12]	132.1 [38.71]	133.6 [39.15]	124.3 [36.43]	123.0 [36.05]	124.7 [36.55]	116.0 [34.00]	114.8 [33.64]	
		Sens BTUH [kW]	87.4 [25.61]	73.3 [21.48]	71.3 [20.90]	104.1 [30.51]	87.3 [25.59]	84.9 [24.88]	122.3 [35.84]	102.6 [30.07]	99.7 [29.22]	
		Power	10.1	9.7	9.7	10.0	9.6	9.6	9.8	9.5	9.4	
	100 [37.8]	Total BTUH [kW]	140.6 [41.21]	130.8 [38.33]	129.4 [37.92]	130.7 [38.30]	121.6 [35.64]	120.3 [35.26]	121.8 [35.70]	113.3 [33.20]	112.1 [32.85]	
		Sens BTUH [kW]	85.5 [25.06]	71.7 [21.01]	69.8 [20.46]	102.3 [29.98]	85.8 [25.15]	83.4 [24.44]	120.5 [35.32]	101.0 [29.60]	98.2 [28.78]	
		Power	10.6	10.2	10.2	10.5	10.1	10.1	10.3	10.0	9.9	
	105 [40.6]	Total BTUH [kW]	137.1 [40.18]	127.6 [37.40]	126.2 [36.99]	127.3 [37.31]	118.4 [34.70]	117.1 [34.32]	118.4 [34.70]	110.1 [32.27]	108.9 [31.92]	
		Sens BTUH [kW]	83.7 [24.53]	70.2 [20.57]	68.3 [20.02]	100.5 [29.45]	84.3 [24.71]	82.0 [24.03]	118.4 [34.70]	99.5 [29.16]	96.8 [28.37]	
		Power	11.1	10.7	10.7	11.0	10.6	10.6	10.8	10.5	10.4	
	110 [43.3]	Total BTUH [kW]	133.1 [39.01]	123.8 [36.28]	122.5 [35.90]	123.2 [36.11]	114.7 [33.62]	113.4 [33.23]	114.3 [33.50]	106.4 [31.18]	105.2 [30.83]	
		Sens BTUH [kW]	81.9 [24.00]	68.7 [20.13]	66.8 [19.58]	98.7 [28.93]	82.8 [24.27]	80.5 [23.59]	114.3 [33.50]	98.0 [28.72]	95.3 [27.93]	
		Power	11.6	11.2	11.2	11.5	11.1	11.1	11.4	11.0	10.9	
	115 [46.1]	Total BTUH [kW]	128.3 [37.60]	119.4 [34.99]	118.1 [34.61]	118.4 [34.70]	110.2 [32.30]	109.0 [31.94]	109.5 [32.09]	101.9 [29.86]	100.8 [29.54]	
		Sens BTUH [kW]	80.3 [23.53]	67.3 [19.72]	65.5 [19.20]	97.0 [28.43]	81.4 [23.86]	79.2 [23.21]	109.5 [32.09]	96.6 [28.31]	93.9 [27.52]	
		Power	12.1	11.7	11.7	12.0	11.6	11.6	11.9	11.5	11.4	

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

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

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

[ ] Designates Metric Conversions

AIRFLOW PERFORMANCE—7.5 TON [26.4 kW]

Air Flow CFM [L/s]	Capacity 7.5 Ton [26.4 kW]																																	
	External Static Pressure—Inches of Water [kPa]																																	
	0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]		1.6 [.40]		1.7 [.42]		1.8 [.45]		1.9 [.47]		2.0 [.50]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
2400 [1133]	—	—	—	—	—	—	—	—	711	890	740	952	770	1014	799	1076	828	1138	857	1200	887	1261	929	1538	958	1623	987	1709	1017	1794	1046	1879	1075	1965	1105	2050
2500 [1180]	—	—	—	—	—	—	691	888	720	950	749	1012	778	1074	808	1136	837	1198	866	1260	895	1322	936	1602	965	1687	995	1773	1024	1858	1053	1944	1083	2029	1112	2114
2600 [1227]	—	—	—	—	—	—	699	948	729	1010	758	1072	787	1134	816	1196	846	1258	875	1320	914	1581	943	1666	972	1751	1002	1837	1031	1922	1061	2008	1090	2093	1119	2178
2700 [1274]	—	—	—	—	—	—	708	1009	737	1070	766	1132	796	1194	825	1256	854	1318	883	1380	921	1645	950	1730	980	1816	1009	1901	1038	1986	1068	2072	1097	2157	1127	2243
2800 [1321]	—	—	—	—	—	—	717	1069	746	1131	775	1192	804	1254	834	1316	863	1378	892	1440	928	1709	958	1794	987	1880	1016	1965	1046	2050	1075	2136	1104	2221	1134	2307
2900 [1369]	—	—	—	—	—	—	725	1129	755	1191	784	1253	813	1315	842	1376	872	1438	906	1688	936	1773	965	1858	994	1944	1024	2029	1053	2115	1082	2200	1112	2285	1141	2371
3000 [1416]	—	—	—	—	705	1127	734	1189	763	1251	792	1313	822	1375	851	1437	880	1498	913	1752	943	1837	972	1923	1002	2008	1031	2093	1060	2179	1090	2264	1119	2350	1148	2435
3100 [1463]	—	—	—	—	713	1187	743	1249	772	1311	801	1373	830	1435	860	1497	889	1559	921	1816	950	1901	979	1987	1009	2072	1038	2157	1068	2243	1097	2328	1126	2414	1156	2499
3200 [1510]	—	—	693	1185	722	1247	751	1309	781	1371	810	1433	839	1495	868	1557	898	1619	928	1880	957	1965	987	2051	1016	2136	1045	2222	1075	2307	1104	2392	1134	2478	1163	2563
3300 [1557]	—	—	701	1246	731	1307	760	1369	789	1431	818	1493	848	1555	877	1617	906	1859	935	1944	965	2029	994	2115	1023	2200	1053	2286	1082	2371	1111	2456	1141	2542	1170	2627
3400 [1605]	681	1244	710	1306	739	1368	769	1430	798	1491	827	1553	856	1615	886	1677	913	1923	943	2008	972	2094	1001	2179	1031	2264	1060	2350	1089	2435	1119	2521	1148	2606	1178	2691
3500 [1652]	690	1304	719	1366	748	1428	777	1490	807	1552	836	1613	865	1675	894	1737	920	1987	950	2072	979	2158	1009	2243	1038	2328	1067	2414	1097	2499	1126	2585	1155	2670	1185	2756
3600 [1699]	698	1364	728	1426	757	1488	786	1550	815	1612	844	1674	874	1735	903	1797	928	2051	957	2136	986	2222	1016	2307	1045	2393	1075	2478	1104	2563	1133	2649	1163	2734	1192	2820

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L						M					
Motor H.P. [W]	2.0 [1491.4]						3.0 [2237.1]					
Blower Sheave	BK90						BK65					
Motor Sheave	1VP-44						1VP-44					
Turns Open	1	2	**3**	4	5	6	1	2	3	4	5	**6**
RPM	869	838	**806**	774	742	710	1157	1106	1056	1005	954	**904**

NOTES: 1. Factory sheave settings are shown in bold print.
2. Re-adjustment of sheave required to achieve rated airflow at ARI minimum E.S.P.
3. Do not operate above blower RPM shown as motor overloading will occur.
4. Do not set motor sheave below one turn open.

AIRFLOW CORRECTION FACTORS 7.5 TON [26.4 kW]

ACTUAL—CFM [L/s]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]
TOTAL MBH	0.97	0.98	0.99	1.00	1.01	1.02	1.03
SENSIBLE MBH	0.91	0.94	0.97	1.00	1.02	1.05	1.08
POWER kW	0.99	0.99	0.99	1.00	1.00	1.01	1.02

NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

COMPONENT AIR RESISTANCE, IWC 7.5 TONS [26.4 kW]

Component	Standard Indoor Airflow—CFM [L/s]						
	2400 [1133]	**2600 [1227]**	**2800 [1321]**	**3000 [1416]**	**3200 [1510]**	**3400 [1604]**	**3600 [1699]**
	Resistance—Inches Water [kPa]						
Wet Coil	0.047 [0.012]	0.051 [0.013]	0.055 [0.014]	0.060 [0.015]	0.065 [0.016]	0.071 [0.018]	0.076 [0.019]
Concentric Diffuser RXRN-FA65 or FA75 & Transition RXMC-CD04	DNA	.017 [0.042]	.020 [0.050]	.025 [0.062]	.031 [0.077]	.037 [0.092]	DNA
Concentric Diffuser RXRN-AA61 or AA71 & Transition RXMC-CE05	DNA	DNA	DNA	DNA	DNA	DNA	.017 [0.042]
Economizer 100% R.A. Damper Open	0.05 [0.012]	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.022]	0.10 [0.025]	0.11 [0.027]
Horizontal Economizer 100% R.A. Damper Open	0.03 [0.007]	0.04 [0.009]	0.04 [0.010]	0.05 [0.011]	0.05 [0.012]	0.06 [0.014]	0.06 [0.015]
Horizontal Economizer 100% O.A. Damper Open	0.08 [0.020]	0.08 [0.020]	0.08 [0.020]	0.10 [0.024]	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]

NOTE: Add component resistance to duct resistance to determine total external static pressure.
DNA = Data not Available.

AIRFLOW PERFORMANCE—7.5 TON [26.4 kW]

Air Flow CFM [L/s]	Capacity 7.5 Ton [26.4 kW]																																			
	External Static Pressure—Inches of Water [kPa]																																			
	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]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]		1.6 [.40]		1.7 [.42]		1.8 [.45]		1.9 [.47]		2.0 [.50]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
2400 [1133]	—	—	—	—	540	580	582	664	612	729	645	812	711	890	740	952	770	1014	799	1076	828	1138	857	1200	887	1261	929	1538	958	1623	987	1709	1017	1794	1046	1879	1075	1965	1105	2050
2500 [1180]	—	—	—	—	552	633	593	717	624	791	656	878	720	950	749	1012	778	1074	808	1136	837	1198	866	1260	895	1322	936	1602	965	1687	995	1773	1024	1858	1053	1944	1083	2029	1112	2114
2600 [1227]	—	—	—	—	564	687	603	769	635	853	667	945	729	1010	758	1072	787	1134	816	1196	846	1258	875	1320	914	1581	943	1666	972	1751	1002	1837	1031	1922	1061	2008	1090	2093	1119	2178
2700 [1274]	—	—	539	670	577	744	614	828	648	923	680	1017	737	1070	766	1132	796	1194	825	1256	854	1318	883	1380	921	1645	950	1730	980	1816	1009	1901	1038	1986	1068	2072	1097	2157	1127	2243
2800 [1321]	—	—	554	733	590	801	625	887	660	993	708	1069	746	1131	775	1192	804	1254	834	1316	863	1378	892	1440	928	1709	958	1794	987	1880	1016	1965	1046	2050	1075	2136	1104	2221	1134	2307
2900 [1369]	—	—	569	801	604	866	638	956	673	1069	725	1129	755	1191	784	1253	813	1315	842	1376	872	1438	906	1688	936	1773	965	1858	994	1944	1024	2029	1053	2115	1082	2200	1112	2285	1141	2371
3000 [1416]	546	741	854	869	617	931	650	1024	685	1144	734	1189	763	1251	792	1313	822	1375	851	1437	880	1498	913	1752	943	1837	972	1923	1002	2008	1031	2093	1060	2179	1090	2264	1119	2350	1148	2435
3100 [1463]	560	804	598	940	632	1010	664	1107	713	1187	743	1249	772	1311	801	1373	830	1435	860	1497	889	1559	921	1816	950	1901	979	1987	1009	2072	1038	2157	1068	2243	1097	2328	1126	2414	1156	2499
3200 [1510]	576	876	612	1011	646	1089	678	1189	722	1247	751	1309	781	1371	810	1433	839	1495	868	1557	898	1619	928	1880	957	1965	987	2051	1016	2136	1045	2222	1075	2307	1104	2392	1134	2478	1163	2563
3300 [1557]	592	954	628	1096	660	1168	692	1274	731	1307	760	1369	789	1431	818	1493	848	1555	877	1617	906	1859	935	1944	965	2029	994	2115	1023	2200	1053	2286	1082	2371	1111	2456	1141	2542	1170	2627
3400 [1605]	607	1030	643	1180	673	1247	710	1306	739	1368	769	1430	798	1491	827	1553	856	1615	886	1677	913	1923	943	2008	972	2094	1001	2179	1031	2264	1060	2350	1089	2435	1119	2521	1148	2606	1178	2691
3500 [1652]	622	1112	658	1271	689	1344	719	1366	748	1428	777	1490	807	1552	836	1613	865	1675	894	1737	920	1987	950	2072	979	2158	1009	2243	1038	2328	1067	2414	1097	2499	1126	2585	1155	2670	1185	2756
3600 [1699]	638	1202	672	1361	704	1440	728	1426	757	1488	786	1550	815	1612	844	1674	874	1735	903	1797	928	2051	957	2136	986	2222	1016	2307	1045	2393	1075	2478	1104	2563	1133	2649	1163	2734	1192	2820

NOTE: L-Drive left of 1st bold line, M-Drive in middle of bold lines, N-Drive right of 2nd bold line.

Drive Package	L						M						N					
Motor H.P. [W]	2.0 [1491.4]						2.0 [1491.4]						3.0 [2237.1]					
Blower Sheave	BK110						BK90						BK65					
Motor Sheave	1VP-44						1VP-44						1VP-44					
Turns Open	1	2	**3**	4	5	6	1	2	**3**	4	5	6	1	2	3	4	5	**6**
RPM	682	650	**620**	587	555	523	869	838	**806**	774	742	710	1157	1106	1056	1005	954	**904**

NOTES: 1. Factory sheave settings are shown in bold print.
2. Re-adjustment of sheave required to achieve rated airflow at ARI minimum E.S.P.
3. Do not operate above blower RPM shown as motor overloading will occur.
4. Do not set motor sheave below one turn open.

AIRFLOW CORRECTION FACTORS 7.5 TON [26.4 kW]

ACTUAL—CFM [L/s]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]
TOTAL MBH	0.97	0.98	0.99	1.00	1.01	1.02	1.03
SENSIBLE MBH	0.91	0.94	0.97	1.00	1.02	1.05	1.08
POWER kW	0.99	0.99	0.99	1.00	1.00	1.01	1.02

NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

COMPONENT AIR RESISTANCE, IWC 7.5 TON [26.4 kW]

Component	Standard Indoor Airflow—CFM [L/s]						
	2400 [1133]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1604]	3600 [1699]
	Resistance—Inches Water [kPa]						
Wet Coil	0.047 [0.012]	0.051 [0.013]	0.055 [0.014]	0.060 [0.015]	0.065 [0.016]	0.071 [0.018]	0.076 [0.019]
Concentric Diffuser RXRN-FA65 or FA75 & Transition RXMC-CD04	DNA	.017 [0.042]	.020 [0.050]	.025 [0.062]	.031 [0.077]	.037 [0.092]	DNA
Concentric Diffuser RXRN-AA61 or AA71 & Transition RXMC-CE05	DNA	DNA	DNA	DNA	DNA	DNA	.017 [0.042]
Economizer 100% R.A. Damper Open	0.05 [0.012]	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.022]	0.10 [0.025]	0.11 [0.027]
Horizontal Economizer 100% R.A. Damper Open	0.03 [0.007]	0.04 [0.009]	0.04 [0.010]	0.05 [0.011]	0.05 [0.012]	0.06 [0.014]	0.06 [0.015]
Horizontal Economizer 100% O.A. Damper Open	0.08 [0.020]	0.08 [0.020]	0.08 [0.020]	0.10 [0.024]	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]

NOTE: Add component resistance to duct resistance to determine total external static pressure.
DNA = Data not Available.

AIRFLOW PERFORMANCE—8.5 TON [29.9 kW]

Air Flow CFM [L/s]	Capacity 8.5 Ton [29.9 kW]																																			
	External Static Pressure—Inches of Water [kPa]																																			
	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]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]		1.6 [.40]		1.7 [.42]		1.8 [.45]		1.9 [.47]		2.0 [.50]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
2700 [1274]	—	—	—	—	—	—	—	—	—	—	708	1009	737	1070	766	1132	796	1194	825	1256	854	1318	883	1380	921	1645	950	1730	980	1816	1009	1901	1038	1966	1068	2072	1097	2157	1127	2243
2800 [1321]	—	—	—	—	—	—	—	—	—	—	717	1069	748	1131	775	1192	804	1254	834	1316	863	1378	892	1440	928	1709	958	1794	987	1880	1016	1965	1046	2050	1075	2136	1104	2221	1134	2307
2900 [1369]	—	—	—	—	—	—	—	—	—	—	725	1129	755	1191	784	1253	813	1315	842	1376	872	1438	906	1688	936	1773	965	1858	994	1944	1024	2029	1053	2115	1082	2200	1112	2285	1141	2371
3000 [1416]	—	—	—	—	—	—	—	—	705	1127	734	1189	763	1251	792	1313	822	1375	851	1437	880	1498	913	1752	943	1837	972	1923	1002	2008	1031	2093	1060	2179	1090	2264	1119	2350	1148	2435
3100 [1463]	—	—	—	—	—	—	—	—	713	1187	743	1249	772	1311	801	1373	830	1435	860	1497	889	1559	921	1816	950	1961	979	987	1009	2072	1038	2157	1068	2243	1097	2328	1126	2414	—	—
3200 [1510]	—	—	—	—	—	—	693	1185	722	1247	761	1309	781	1371	810	1433	839	1495	868	1557	898	1619	928	1880	937	1965	987	2051	1018	2136	1045	2222	1075	2307	1104	2392	1134	2478	—	—
3300 [1557]	—	—	—	—	—	—	701	1246	731	1307	760	1369	789	1431	818	1493	848	1555	877	1617	906	1856	935	1944	968	2029	994	2115	1023	2200	1053	2286	1082	2371	1111	2456	1141	2542	—	—
3400 [1605]	—	—	—	—	681	1244	710	1306	739	1368	769	1430	798	1491	827	1553	856	1615	886	1677	913	1923	943	2008	972	2094	1001	2179	1031	2264	1060	2350	1089	2435	1119	2521	1148	2606	—	—
3500 [1652]	—	—	673	1270	690	1304	719	1366	748	1428	777	1490	807	1552	836	1613	865	1675	894	1737	920	1987	950	2072	979	2158	1009	2243	1038	2328	1067	2414	1097	2499	1126	2585	—	—	—	—
3600 [1699]	—	—	686	1352	698	1364	728	1426	757	1488	786	1550	815	1612	844	1674	874	1735	903	1797	928	2051	957	2136	986	2222	1016	2307	1045	2393	1071	2478	1104	2563	1133	2649	—	—	—	—
3700 [1746]	672	1361	700	1435	727	1510	755	1584	782	1659	810	1733	837	1808	865	1882	933	1896	953	1956	973	2070	993	2183	1002	2297	1030	2410	1054	2524	1075	2637	1111	2751	1140	2864	—	—	—	—
3800 [1793]	686	1443	713	1518	741	1592	768	1667	796	1741	823	1816	851	1890	878	1965	940	2003	960	2075	981	2189	1001	2302	1016	2416	1043	2529	1062	2643	1082	2756	1119	2870	1147	2983	—	—	—	—
3900 [1841]	699	1526	727	1601	754	1675	782	1750	809	1824	837	1899	864	1973	927	2015	948	2080	968	2194	988	2307	1008	2421	1029	2534	1057	2648	1069	2761	1090	2875	1127	2988	—	—	—	—	—	—
4000 [1888]	713	1609	740	1683	768	1758	795	1832	823	1907	850	1981	878	2056	935	2085	955	2199	975	2312	996	2426	1016	2539	1043	2653	1070	2767	1077	2880	1097	2994	1135	3107	—	—	—	—	—	—
4100 [1935]	726	1692	754	1766	781	1841	809	1915	836	1990	864	2064	922	2091	942	2204	963	2318	983	2431	1003	2545	1024	2658	1056	2772	1084	2885	1084	2999	1105	3112	1144	3226	—	—	—	—	—	—

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L						M					
Motor H.P. [W]	2.0 [1491.4]						3.0 [2237.1]					
Blower Sheave	BK90						BK65					
Motor Sheave	1VP-44						1VP-44					
Turns Open	1	**2**	3	4	5	6	1	2	3	4	5	**6**
RPM	860	**824**	791	757	723	690	1148	1098	1049	999	949	**899**

NOTES: 1. Factory sheave settings are shown in bold print.
2. Re-adjustment of sheave required to achieve rated airflow at ARI minimum E.S.P.
3. Do not operate above blower RPM shown as motor overloading will occur.
4. Do not set motor sheave below one turn open.

AIRFLOW CORRECTION FACTORS 8.5 TON [29.9 kW]

ACTUAL—CFM [L/s]	2600 [1227]	2800 [1321]	3000 [1416]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]	4000 [1888]	4200 [1982]
TOTAL MBH	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04
SENSIBLE MBH	0.88	0.91	0.94	0.97	1.00	1.03	1.05	1.07	1.09
POWER kW	0.99	0.99	0.99	1.00	1.00	1.01	1.01	1.02	1.03

NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

COMPONENT AIR RESISTANCE, IWC 8.5 TON [29.9 kW]

Component	Standard Indoor Airflow—CFM [L/s]								
	2600 [1227]	**2800 [1321]**	**3000 [1416]**	**3200 [1510]**	**3400 [1604]**	**3600 [1699]**	**3800 [1793]**	**4000 [1888]**	**4200 [1982]**
	Resistance—Inches Water [kPa]								
Wet Coil	0.051 [0.013]	0.055 [0.014]	0.060 [0.015]	0.065 [0.016]	0.071 [0.018]	0.076 [0.019]	0.082 [0.020]	0.087 [0.022]	0.093 [0.023]
Concentric Diffuser RXRN-FA65 or FA75 & Transition RXMC-CD04	0.17 [0.042]	0.20 [0.050]	0.25 [0.062]	0.31 [0.077]	0.37 [0.092]	DNA	DNA	DNA	DNA
Concentric Diffuser RXRN-AA61 or AA71 & Transition RXMC-CE05	DNA	DNA	DNA	DNA	DNA	0.17 [0.042]	0.18 [0.045]	0.21 [0.052]	0.24 [0.060]
Economizer 100% R.A. Damper Open	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.022]	0.10 [0.025]	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]	0.14 [0.035]
Horizontal Economizer 100% R.A. Damper Open	0.04 [0.009]	0.04 [0.010]	0.05 [0.011]	0.05 [0.012]	0.06 [0.014]	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.021]
Horizontal Economizer 100% O.A. Damper Open	0.08 [0.020]	0.08 [0.020]	0.10 [0.024]	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]	0.15 [0.036]	0.16 [0.040]	0.18 [0.044]

NOTE: Add component resistance to duct resistance to determine total external static pressure.
DNA = Data not Available.

AIRFLOW PERFORMANCE—10 TON [35.2 kW]

Air Flow CFM [L/s]	Capacity 10 Ton [35.2 kW]																																											
	External Static Pressure—Inches of Water [kPa]																																												
	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]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]		1.6 [.40]		1.7 [.42]		1.8 [.45]		1.9 [.47]		2.0 [.50]		2.1 [.52]		2.2 [.55]		2.3 [.57]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
3200 [1510]	—	—	—	—	—	—	657	1170	715	1245	742	1319	770	1394	797	1468	825	1543	852	1617	880	1692	956	1698	976	1703	996	1817	1017	1930	1037	2044	1057	2157	1077	2271	1098	2384	1118	2498	1138	2611	1159	2725	1179	2838
3300 [1557]	—	—	—	—	673	1179	701	1253	728	1328	756	1402	783	1477	811	1551	838	1626	866	1700	943	1705	963	1708	948	1822	976	1935	1024	2049	1044	2162	1065	2276	1085	2390	1105	2503	1125	2617	1146	2730	1166	2844	1186	2957
3400 [1605]	—	—	—	—	687	1261	714	1336	742	1410	769	1485	797	1559	824	1634	852	1708	879	1763	950	1811	971	1827	962	1941	989	2054	1032	2168	1052	2281	1072	2395	1092	2508	1113	2622	1133	2735	1153	2849	1174	2962	1194	3076
3500 [1652]	—	—	673	1270	700	1344	728	1419	755	1493	783	1588	810	1642	838	1717	865	1791	938	1813	958	1832	978	1946	975	2059	1003	2173	1039	2286	1059	2400	1080	2513	1100	2627	1120	2740	1141	2854	1161	2968	1181	3081	—	—
3600 [1699]	—	—	686	1352	714	1427	741	1501	769	1576	796	1650	824	1725	851	1799	879	1874	945	1892	966	1951	986	2065	989	2178	1016	2292	1047	2405	1067	2519	1087	2632	1108	2746	1128	2859	1148	2973	1168	3086	1189	3200	—	—
3700 [1746]	672	1361	700	1435	727	1510	755	1584	782	1659	810	1733	837	1808	865	1882	933	1896	953	1956	973	2070	993	2183	1002	2297	1030	2410	1054	2524	1075	2637	1095	2751	1115	2864	1135	2978	1156	3091	1176	3205	1196	3318	—	—
3800 [1793]	686	1443	713	1518	741	1592	768	1667	796	1741	823	1818	861	1890	878	1965	940	2003	960	2075	981	2189	1001	2302	1016	2416	1043	2529	1062	2643	1082	2756	1102	2870	1123	2983	1143	3097	1163	3210	1183	3324	—	—	—	—
3900 [1841]	699	1526	727	1601	754	1675	782	1750	809	1824	837	1899	864	1973	927	2015	948	2080	968	2194	988	2307	1008	2421	1029	2534	1057	2648	1069	2761	1090	2875	1110	2988	1130	3102	1150	3215	1171	3329	1191	3442	—	—	—	—
4000 [1888]	713	1609	740	1683	768	1758	795	1832	823	1907	850	1961	878	2056	935	2085	955	2199	975	2312	996	2426	1016	2539	1043	2653	1070	2767	1077	2880	1097	2994	1117	3107	1138	3221	1158	3334	1178	3448	1199	3561	—	—	—	—
4100 [1935]	726	1692	754	1766	781	1841	809	1915	836	1990	864	2064	922	2091	942	2204	963	2318	983	2431	1003	2545	1024	2658	1056	2772	1084	2885	1084	2999	1105	3112	1125	3226	1145	3339	1166	3453	1186	3566	—	—	—	—	—	—
4200 [1982]	740	1774	767	1849	795	1923	822	1998	850	2072	877	2147	930	2209	950	2323	970	2438	990	2550	1011	2663	1031	2777	1070	2890	1097	3004	1092	3117	1112	3231	1133	3345	1153	3458	1173	3572	1193	3685	—	—	—	—	—	—
4300 [2029]	753	1857	781	1932	808	2006	836	2081	853	2155	917	2215	937	2328	957	2442	978	2555	998	2669	1018	2782	1039	2896	1083	3009	1111	3123	1099	3236	1120	3350	1140	3453	1160	3577	1181	3690	—	—	—	—	—	—	—	—
4400 [2077]	767	1940	794	2014	822	2089	849	2163	877	2238	924	2333	945	2447	965	2560	985	2674	1006	2787	1026	2901	1046	3014	1097	3128	1124	3241	1107	3355	1127	3468	1148	3582	1168	3695	1188	3809	—	—	—	—	—	—	—	—
4500 [2124]	780	2023	808	2097	835	2172	863	2248	912	2338	932	2452	952	2585	973	2679	993	2793	1013	2906	1033	3020	1054	3133	1110	3247	1138	3360	1115	3474	1135	3587	1155	3701	1175	3814	1196	3928	—	—	—	—	—	—	—	—
4600 [2171]	794	2105	821	2180	840	2254	876	2329	919	2457	940	2571	960	2684	980	2798	1000	2911	1021	3025	1041	3138	1061	3252	1124	3365	1151	3479	1122	3592	1142	3706	1163	3819	1183	3933	—	—	—	—	—	—	—	—	—	—
4700 [2218]	807	2188	835	2263	862	2337	906	2462	927	2576	947	2689	967	2803	988	2916	1008	3030	1028	3143	1048	3257	1069	3371	1137	3484	1165	3598	1130	3711	1150	3825	1170	3938	1190	4052	—	—	—	—	—	—	—	—	—	—
4800 [2265]	821	2271	848	2345	876	2420	914	2581	934	2695	955	2808	975	2922	995	3035	1015	3149	1036	3262	1056	3376	1076	3489	1151	3603	1178	3716	1137	3830	1157	3943	1178	4057	1198	4170	—	—	—	—	—	—	—	—	—	—

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L						M					
Motor H.P. [W]	2.0 [1491.4]						3.0 [2237.1]					
Blower Sheave	BK90						BK65					
Motor Sheave	1VP-44						1VP-44					
Turns Open	**1**	2	3	4	5	6	1	2	3	4	5	**6**
RPM	**845**	810	775	739	704	669	1138	1089	1041	992	943	**894**

NOTES: 1. Factory sheave settings are shown in bold print.
2. Re-adjustment of sheave required to achieve rated airflow at ARI minimum E.S.P.
3. Do not operate above blower RPM shown as motor overloading will occur.
4. Do not set motor sheave below one turn open.

AIRFLOW CORRECTION FACTORS 10 TON [35.2 kW]

ACTUAL—CFM [L/s]	3200 [1510]	3400 [1605]	3600 [1699]	3800 [1793]	4000 [1888]	4200 [1982]	4400 [2077]	4600 [2171]	4800 [2265]
TOTAL MBH	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04
SENSIBLE MBH	0.91	0.93	0.95	0.97	1.00	1.02	1.05	1.07	1.09
POWER kW	0.98	0.98	0.99	0.99	1.00	1.00	1.01	1.01	1.01

NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

COMPONENT AIR RESISTANCE, IWC 10 TON [35.2 kW]

Component	Standard Indoor Airflow—CFM [L/s]								
	3200 [1510]	**3400 [1604]**	**3600 [1699]**	**3800 [1793]**	**4000 [1888]**	**4200 [1982]**	**4400 [2076]**	**4600 [2171]**	**4800 [2265]**
	Resistance—Inches Water [kPa]								
Wet Coil	0.065 [0.016]	0.071 [0.018]	0.076 [0.019]	0.082 [0.020]	0.087 [0.022]	0.093 [0.023]	0.099 [0.025]	0.105 [0.026]	0.110 [0.027]
Concentric Diffuser RXRN-FA65 or FA75 & Transition RXMC-CD04	0.31 [0.077]	0.37 [0.092]	DNA	DNA	DNA	DNA	DNA	DNA	DNA
Concentric Diffuser RXRN-AA61 or AA71 & Transition RXMC-CE05	DNA	DNA	0.17 [0.042]	0.18 [0.045]	0.21 [0.052]	0.24 [0.060]	0.27 [0.067]	DNA	DNA
Concentric Diffuser RXRN-AA66 or AA76 & Transition RXMC-CF06	DNA	DNA	DNA	DNA	DNA	DNA	DNA	0.31 [0.077]	0.32 [0.080]
Economizer 100% R.A. Damper Open	0.09 [0.022]	0.10 [0.025]	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]	0.14 [0.035]	0.15 [0.037]	0.16 [0.040]	0.17 [0.042]
Horizontal Economizer 100% R.A. Damper Open	0.05 [0.012]	0.06 [0.014]	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.021]	0.09 [0.022]	0.10 [0.024]	0.10 [0.025]
Horizontal Economizer 100% O.A. Damper Open	0.11 [0.027]	0.12 [0.030]	0.13 [0.032]	0.15 [0.0.36]	0.16 [0.040]	0.18 [0.044]	0.19 [0.047]	0.20 [0.50]	0.21 [0.052]

NOTE: Add component resistance to duct resistance to determine total external static pressure.
DNA = Data not Available.

AIRFLOW PERFORMANCE—12.5 & 15 TON [44 kW & 52.8 kW]

Air Flow CFM [L/s]	Capacity 12.5 Ton [44 kW]																																			
	External Static Pressure—Inches of Water [kPa]																																			
	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]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]		1.6 [.40]		1.7 [.42]		1.8 [.45]		1.9 [.47]		2.0 [.50]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
3800 [1793]	—	—	—	—	—	—	—	—	—	—	—	—	902	1649	922	1762	941	1875	961	1989	980	2102	1000	2215	1019	2328	1039	2442	1058	2555	1078	2668	1097	2781	1117	2895	1136	3008	1156	3121
4000 [1888]	—	—	—	—	—	—	—	—	—	—	907	1761	926	1874	946	1987	965	2101	985	2214	1004	2327	1024	2440	1043	2554	1063	2667	1082	2780	1102	2894	1121	3007	1140	3120	1160	3233	1179	3347
4100 [1935]	—	—	—	—	—	—	—	—	900	1769	919	1882	939	1996	958	2109	978	2222	997	2335	1016	2449	1036	2562	1055	2675	1075	2788	1094	2902	1114	3015	1133	3128	1153	3242	1172	3355	1192	3468
4200 [1982]	—	—	—	—	—	—	—	—	912	1897	932	2010	951	2123	971	2236	990	2350	1010	2463	1029	2576	1049	2689	1068	2803	1088	2916	1107	3029	1127	3143	1146	3256	1166	3369	1185	3482	1205	3596
4300 [2029]	—	—	—	—	—	—	906	1917	925	2030	945	2144	964	2257	984	2370	1003	2483	1023	2597	1042	2710	1062	2823	1081	2937	1101	3050	1120	3163	1140	3276	1159	3390	1179	3503	1198	3616	1218	3729
4400 [2077]	—	—	—	—	900	1944	919	2057	939	2170	958	2284	978	2397	997	2510	1017	2624	1036	2737	1056	2850	1075	2963	1095	3077	1114	3190	1133	3303	1153	3417	1172	3530	1192	3643	1211	3756	1231	3870
4500 [2124]	—	—	—	—	913	2091	933	2204	952	2317	972	2430	991	2544	1011	2657	1030	2770	1050	2884	1069	2997	1089	3110	1108	3223	1128	3337	1147	3450	1167	3563	1188	3678	1206	3790	1225	3903	1245	4016
4600 [2171]	—	—	908	2131	927	2244	947	2357	966	2470	986	2584	1005	2697	1025	2810	1044	2924	1064	3037	1083	3150	1103	3263	1122	3377	1142	3490	1161	3603	1181	3717	1200	3830	1220	3943	1239	4056	1258	4170
4700 [2218]	903	2178	922	2291	941	2404	961	2517	980	2631	1000	2744	1019	2857	1039	2970	1058	3084	1078	3197	1097	3310	1117	3424	1136	3537	1156	3650	1175	3763	1195	3877	1214	3990	1234	4103	1253	4216	1273	4330
4800 [2265]	917	2345	937	2458	956	2571	976	2684	995	2798	1014	2911	1034	3024	1053	3138	1073	3251	1092	3364	1112	3477	1131	3591	1151	3704	1170	3817	1190	3930	1209	4044	1229	4157	1248	4270	1266	4384	1287	4497
4900 [2313]	932	2519	951	2632	971	2745	990	2859	1010	2972	1029	3085	1049	3199	1068	3312	1088	3425	1107	3538	1127	3652	1146	3765	1166	3878	1185	3991	1205	4105	1224	4218	1244	4331	1263	4445	1283	4558	1302	4671
5000 [2360]	947	2700	967	2814	986	2927	1006	3040	1025	3153	1045	3267	1064	3380	1083	3493	1103	3607	1122	3720	1142	3833	1161	3946	1181	4060	1200	4173	1220	4286	1239	4399	1259	4513	1278	4626	1298	4739	1317	4853
5100 [2407]	963	2889	982	3002	1002	3116	1021	3229	1041	3342	1060	3456	1079	3569	1099	3682	1118	3795	1138	3909	1157	4022	1177	4135	1196	4249	1216	4362	1235	4475	1255	4588	1274	4702	1294	4815	1313	4928	—	—
5200 [2454]	978	3086	998	3199	1017	3312	1037	3425	1056	3539	1076	3652	1095	3765	1115	3879	1134	3992	1154	4105	1173	4218	1193	4332	1212	4445	1232	4558	1251	4672	1271	4785	1290	4898	1310	5011	—	—	—	—
5300 [2501]	994	3290	1014	3403	1033	3516	1053	3630	1072	3743	1092	3856	1111	3969	1131	4083	1150	4196	1170	4309	1189	4423	1209	4536	1228	4649	1248	4762	1267	4876	1287	4989	—	—	—	—	—	—	—	—
5400 [2549]	1011	3502	1030	3615	1050	3728	1069	3842	1089	3955	1108	4068	1128	4181	1147	4295	1167	4408	1186	4521	1206	4635	1225	4748	1245	4861	1264	4974	—	—	—	—	—	—	—	—	—	—	—	—
5500 [2596]	1028	3722	1047	3835	1066	3948	1086	4062	1105	4175	1125	4288	1144	4401	1164	4515	1183	4628	1203	4741	1222	4855	1242	4968	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5600 [2643]	1045	3950	1064	4063	1083	4176	1103	4290	1122	4403	1142	4516	1161	4630	1181	4743	1200	4856	1220	4969	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5700 [2690]	1062	4186	1081	4300	1101	4413	1120	4526	1140	4639	1159	4753	1179	4866	1198	4979	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5800 [2737]	1079	4431	1099	4544	1118	4658	1138	4771	1157	4884	1177	4998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE: L-Drive left of bold line, M-Drive right of bold line.

Drive Package	L						M					
Motor H.P. [W]	3.0 [2237.1]						5.0 [3728.5]					
Blower Sheave	BK65						BK65					
Motor Sheave	1VP-44						1VM-50					
Turns Open	1	2	**3**	4	5	6	1	2	**3**	4	5	6
RPM	1135	1087	**1038**	990	942	894	1283	1231	**1178**	1126	1074	1022

NOTES: 1. Factory sheave settings are shown in bold print.
2. Re-adjustment of sheave required to achieve rated airflow at ARI minimum E.S.P.
3. Do not operate above blower RPM shown as motor overloading will occur.
4. Do not set motor sheave below one turn open.

AIRFLOW CORRECTION FACTORS 12.5 & 15 TON [44 kW & 52.8 kW]

ACTUAL—CFM [L/s]	3800 [1793]	4000 [1888]	4200 [1982]	4400 [2077]	4600 [2171]	4800 [2265]	5000 [2360]	5200 [2454]	5400 [2549]	5600 [2643]	5800 [2737]
TOTAL MBH	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05
SENSIBLE MBH	0.85	0.88	0.91	0.94	0.97	1.00	1.03	1.05	1.07	1.09	1.11
POWER kW	0.98	0.98	0.99	0.99	0.99	1.00	1.00	1.01	1.02	1.02	1.03

NOTES: 1. Multiply correction factor times gross performance data.
2. Resulting sensible capacity cannot exceed total capacity.

[ ] Designates Metric Conversions

COMPONENT AIR RESISTANCE, IWC 12.5 & 15 TON [44 kW & 52.8 kW]

Component	Standard Indoor Airflow—CFM [L/s]										
	3800 [1793]	4000 [1888]	4200 [1982]	4400 [2076]	4600 [2171]	4800 [2265]	5000 [2359]	5200 [2454]	5400 [2548]	5600 [2643]	5800 [2737]
	Resistance—Inches Water [kPa]										
Wet Coil	0.082 [0.020]	0.087 [0.022]	0.093 [0.023]	0.099 [0.025]	0.105 [0.026]	0.110 [0.027]	0.115 [0.029]	0.120 [0.030]	0.125 [0.031]	0.131 [0.033]	0.136 [0.034]
Concentric Diffuser RXRN-AA61 or AA71 & Transition RXMC-CE05	0.18 [0.045]	0.21 [0.052]	0.24 [0.060]	0.27 [0.067]	DNA	DNA	DNA	DNA	DNA	DNA	DNA
Concentric Diffuser RXRN-AA66 or AA76 & Transition RXMC-CF06	DNA	DNA	DNA	DNA	0.31 [0.077]	0.32 [0.080]	0.34 [0.085]	0.36 [0.090]	0.39 [0.097]	DNA	DNA
Economizer 100% R.A. Damper Open	0.12 [0.030]	0.13 [0.032]	0.14 [0.035]	0.15 [0.037]	0.16 [0.040]	0.17 [0.042]	0.18 [0.045]	0.19 [0.047]	0.20 [0.050]	0.21 [0.052]	0.22 [0.055]
Horizontal Economizer 100% R.A. Damper Open	0.07 [0.017]	0.08 [0.020]	0.09 [0.021]	0.09 [0.022]	0.10 [0.024]	0.10 [0.025]	0.10 [0.024]	0.09 [0.022]	0.10 [0.025]	0.12 [0.030]	0.14 [0.035]
Horizontal Economizer 100% O.A. Damper Open	0.15 [0.036]	0.16 [0.040]	0.18 [0.44]	0.19 [0.047]	0.20 [0.050]	0.21 [0.052]	0.21 [0.052]	0.21 [0.052]	0.22 [0.055]	0.23 [0.057]	0.24 [0.060]

NOTE: Add component resistance to duct resistance to determine total external static pressure.
DNA = Data not Available.

Model No. RKKB-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A090CL15	187-253	43/43	50/50	50/50	1	208/230	3	2	8	56
A090CL22	187-253	43/43	50/50	50/50	1	208/230	3	2	8	56
A090CM15	187-253	48/48	60/60	60/60	1	208/230	3	3	13	74.5
A090CM22	187-253	48/48	60/60	60/60	1	208/230	3	3	13	74.5
A090DL15	414-506	29	35	35	1	460	3	2	4	28
A090DL22	414-506	29	35	35	1	460	3	2	4	28
A090DM15	414-506	32	40	40	1	460	3	3	7	38.1
A090DM22	414-506	32	40	40	1	460	3	3	7	38.1
A090YL15	518-633	19	20	20	1	575	3	2	4	19
A090YL22	518-633	19	20	20	1	575	3	2	4	19
A090YM15	518-633	24	30	30	1	575	3	3	8	20
A090YM22	518-633	24	30	30	1	575	3	3	8	20
A102CL15	187-253	48/48	60/60	60/60	1	208/230	3	2	8	56
A102CL22	187-253	48/48	60/60	60/60	1	208/230	3	2	8	56
A102CM15	187-253	53/53	60/60	60/60	1	208/230	3	3	13	74.5
A102CM22	187-253	53/53	60/60	60/60	1	208/230	3	3	13	74.5
A102DL15	414-506	26	30	30	1	460	3	2	4	28
A102DL22	414-506	26	30	30	1	460	3	2	4	28
A102DM15	414-506	29	35	35	1	460	3	3	7	38.1
A102DM22	414-506	29	35	35	1	460	3	3	7	38.1
A102YL15	518-633	20	25	25	1	575	3	2	4	19
A102YL22	518-633	20	25	25	1	575	3	2	4	19
A102YM15	518-633	24	30	30	1	575	3	3	8	20
A102YM22	518-633	24	30	30	1	575	3	3	8	20
A120CL15	187-253	59/59	70/70	70/70	1	208/230	3	2	8	56
A120CL22	187-253	59/59	70/70	70/70	1	208/230	3	2	8	56
A120CM15	187-253	64/64	70/70	80/80	1	208/230	3	3	13	74.5
A120CM22	187-253	64/64	70/70	80/80	1	208/230	3	3	13	74.5
A120DL15	414-506	33	40	40	1	460	3	2	4	28
A120DL22	414-506	33	40	40	1	460	3	2	4	28
A120DM15	414-506	36	40	45	1	460	3	3	7	38.1
A120DM22	414-506	36	40	45	1	460	3	3	7	38.1
A120YL15	518-633	27	30	35	1	575	3	2	4	19
A120YL22	518-633	27	30	35	1	575	3	2	4	19
A120YM15	518-633	31	35	35	1	575	3	3	8	20
A120YM22	518-633	31	35	35	1	575	3	3	8	20
A150CL15	187-253	75/75	90/90	90/90	1	208/230	3	3	15	74.5
A150CL25	187-253	75/75	90/90	90/90	1	208/230	3	3	15	74.5
A150CM15	187-253	75/75	90/90	90/90	1	208/230	3	5	15	82.6
A150CM25	187-253	75/75	90/90	90/90	1	208/230	3	5	15	82.6
A150DL15	414-506	38	45	50	1	460	3	3	7	38.1
A150DL25	414-506	38	45	50	1	460	3	3	7	38.1
A150DM15	414-506	41	45	50	1	460	3	5	10	41.3
A150DM25	414-506	41	45	50	1	460	3	5	10	41.3
A150YL15	518-633	33	35	40	1	575	3	3	8	20
A150YL25	518-633	33	35	40	1	575	3	3	8	20
A150YM15	518-633	33	35	40	1	575	3	5	8	33
A150YM25	518-633	33	35	40	1	575	3	5	8	33

CONTINUED

ELECTRICAL DATA—RKKB- SERIES

Model No. RKKB-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A181CL15	187-253	85/85	100/100	110/110	1	208/230	3	5	15	82.6
A181CL25	187-253	85/85	100/100	110/110	1	208/230	3	5	15	82.6
A181CM15	187-253	85/85	100/100	110/110	1	208/230	3	5	15	82.6
A181CM25	187-253	85/85	100/100	110/110	1	208/230	3	5	15	82.6
A181DL15	414-506	46	50	60	1	460	3	5	10	41.3
A181DL25	414-506	46	50	60	1	460	3	5	10	41.3
A181DM15	414-506	46	50	60	1	460	3	5	10	41.3
A181DM25	414-506	46	50	60	1	460	3	5	10	41.3
A181YL15	518-633	37	40	45	1	575	3	5	8	33
A181YL25	518-633	37	40	45	1	575	3	5	8	33
A181YM15	518-633	37	40	45	1	575	3	5	8	33
A181YM25	518-633	37	40	45	1	575	3	5	8	33

Model No. RKKB-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP[2]	RPM	Amps[1] (RLA)	Amps[1] (LRA)	No.	Volts	Phase	HP[2]	Amps[1] (FLA)	Amps[1] (LRA)
A090CL15	2	200/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	3	4.7
A090CL22	2	200/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	3	4.7
A090CM15	2	200/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	3	4.7
A090CM22	2	200/230	3	3 1/2	3450	14/14	88/88	1	208/230	1	1/3	3	4.7
A090DL15	2	460	3	3 1/2	3450	10	44	1	460	1	1/3	2	2.4
A090DL22	2	460	3	3 1/2	3450	10	44	1	460	1	1/3	2	2.4
A090DM15	2	460	3	3 1/2	3450	10	44	1	460	1	1/3	2	2.4
A090DM22	2	460	3	3 1/2	3450	10	44	1	460	1	1/3	2	2.4
A090YL15	2	575	3	3 1/2	3450	6	34	1	575	1	1/3	1	1.5
A090YL22	2	575	3	3 1/2	3450	6	34	1	575	1	1/3	1	1.5
A090YM15	2	575	3	3 1/2	3450	6	34	1	575	1	1/3	1	1.5
A090YM22	2	575	3	3 1/2	3450	6	34	1	575	1	1/3	1	1.5
A102CL15	2	200/230	3	4	3450	15/15	91/91	2	208/230	1	1/3	3	4.7
A102CL22	2	200/230	3	4	3450	15/15	91/91	2	208/230	1	1/3	3	4.7
A102CM15	2	200/230	3	4	3450	15/15	91/91	2	208/230	1	1/3	3	4.7
A102CM22	2	200/230	3	4	3450	15/15	91/91	2	208/230	1	1/3	3	4.7
A102DL15	2	460	3	4	3450	8	50	2	460	1	1/3	2	2.4
A102DL22	2	460	3	4	3450	8	50	2	460	1	1/3	2	2.4
A102DM15	2	460	3	4	3450	8	50	2	460	1	1/3	2	2.4
A102DM22	2	460	3	4	3450	8	50	2	460	1	1/3	2	2.4
A102YL15	2	575	3	4	3450	6	37	2	575	1	1/3	1	1.5
A102YL22	2	575	3	4	3450	6	37	2	575	1	1/3	1	1.5
A102YM15	2	575	3	4	3450	6	37	2	575	1	1/3	1	1.5
A102YM22	2	575	3	4	3450	6	37	2	575	1	1/3	1	1.5
A120CL15	2	200/230	3	5	3450	20/20	128/128	2	208/230	1	1/3	3	4.7
A120CL22	2	200/230	3	5	3450	20/20	128/128	2	208/230	1	1/3	3	4.7
A120CM15	2	200/230	3	5	3450	20/20	128/128	2	208/230	1	1/3	3	4.7
A120CM22	2	200/240	3	5	3450	20/20	128/128	2	208/230	1	1/3	3	4.7
A120DL15	2	460	3	5	3450	11	63	2	460	1	1/3	2	2.4
A120DL22	2	460	3	5	3450	11	63	2	460	1	1/3	2	2.4
A120DM15	2	460	3	5	3450	11	63	2	460	1	1/3	2	2.4
A120DM22	2	460	3	5	3450	11	63	2	460	1	1/3	2	2.4
A120YL15	2	575	3	5	3450	9	49	2	575	1	1/3	1	1.5
A120YL22	2	575	3	5	3450	9	49	2	575	1	1/3	1	1.5
A120YM15	2	575	3	5	3450	9	49	2	575	1	1/3	1	1.5
A120YM22	2	575	3	5	3450	9	49	2	575	1	1/3	1	1.5
A150CL15	2	200/230	3	6	3450	24/24	156/156	2	208/230	1	1/3	3	4.7
A150CL25	2	200/230	3	6	3450	24/24	156/156	2	208/230	1	1/3	3	4.7
A150CM15	2	200/230	3	6	3450	24/24	156/156	2	208/230	1	1/3	3	4.7
A150CM25	2	200/230	3	6	3450	24/24	156/156	2	208/230	1	1/3	3	4.7
A150DL15	2	460	3	6	3450	12	75	2	460	1	1/3	2	2.4
A150DL25	2	460	3	6	3450	12	75	2	460	1	1/3	2	2.4
A150DM15	2	460	3	6	3450	12	75	2	460	1	1/3	2	2.4
A150DM25	2	460	3	6	3450	12	75	2	460	1	1/3	2	2.4
A150YL15	2	575	3	6	3450	10	54	2	575	1	1/3	1	1.5
A150YL25	2	575	3	6	3450	10	54	2	575	1	1/3	1	1.5
A150YM15	2	575	3	6	3450	10	54	2	575	1	1/3	1	1.5
A150YM25	2	575	3	6	3450	10	54	2	575	1	1/3	1	1.5

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

CONTINUED ⟶

ELECTRICAL DATA—RKKB- SERIES

Model No. RKKB-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP[2]	RPM	Amps[1] (RLA)	Amps[1] (LRA)	No.	Volts	Phase	HP[2]	Amps[1] (FLA)	Amps[1] (LRA)
A181CL15	2	200/230	3	7	3450	28.8/28.8	196/196	2	208/230	1	3/4	4.2	9.6
A181CL25	2	200/230	3	7	3450	28.8/28.8	196/196	2	208/230	1	3/4	4.2	9.6
A181CM15	2	200/230	3	7	3450	28.8/28.8	196/196	2	208/230	1	3/4	4.2	9.6
A181CM25	2	200/230	3	7	3450	28.8/28.8	196/196	2	208/230	1	3/4	4.2	9.6
A181DL15	2	460	3	7	3450	14.7	100	2	460	1	3/4	2	4.9
A181DL25	2	460	3	7	3450	14.7	100	2	460	1	3/4	2	4.9
A181DM15	2	460	3	7	3450	14.7	100	2	460	1	3/4	2	4.9
A181DM25	2	460	3	7	3450	14.7	100	2	460	1	3/4	2	4.9
A181YL15	2	575	3	7	3450	11.1	90	2	575	1	3/4	1.9	4
A181YL25	2	575	3	7	3450	11.1	90	2	575	1	3/4	1.9	4
A181YM15	2	575	3	7	3450	11.1	90	2	575	1	3/4	1.9	4
A181YM25	2	575	3	7	3450	11.1	90	2	575	1	3/4	1.9	4

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

Model No. RKMB-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A090CL15	187-253	44/44	50/50	50/50	1	208/230	3	2	8	56
A090CL22	187-253	44/44	50/50	50/50	1	208/230	3	2	8	56
A090CM15	187-253	49/49	60/60	60/60	1	208/230	3	3	13	74.5
A090CM22	187-253	49/49	60/60	60/60	1	208/230	3	3	13	74.5
A090DL15	414-506	24	30	30	1	460	3	2	4	28
A090DL22	414-506	24	30	30	1	460	3	2	4	28
A090DM15	414-506	27	30	30	1	460	3	3	7	38.1
A090DM22	414-506	27	30	30	1	460	3	3	7	38.1
A090YL15	518-633	18	20	20	1	575	3	2	4	19
A090YL22	518-633	18	20	20	1	575	3	2	4	19
A090YM15	518-633	22	25	25	1	575	3	2	8	19
A090YM22	518-633	22	25	25	1	575	3	2	8	19
A102CL15	187-253	44/44	50/50	50/50	1	208/230	3	2	8	56
A102CL22	187-253	44/44	50/50	50/50	1	208/230	3	2	8	56
A102CM15	187-253	49/49	60/60	60/60	1	208/230	3	3	13	74.5
A102CM22	187-253	49/49	60/60	60/60	1	208/230	3	3	13	74.5
A102DL15	414-506	24	30	30	1	460	3	2	4	28
A102DL22	414-506	24	30	30	1	460	3	2	4	28
A102DM15	414-506	27	30	30	1	460	3	3	7	38.1
A102DM22	414-506	27	30	30	1	460	3	3	7	38.1
A102YL15	518-633	19	20	20	1	575	3	2	4	19
A102YL22	518-633	19	20	20	1	575	3	2	4	19
A102YM15	518-633	23	25	25	1	575	3	3	8	20
A102YM22	518-633	23	25	25	1	575	3	3	8	20
A120CL15	187-253	53/53	60/60	60/60	1	208/230	3	2	8	56
A120CL22	187-253	53/53	60/60	60/60	1	208/230	3	2	8	56
A120CM15	187-253	58/58	70/70	70/70	1	208/230	3	3	13	74.5
A120CM22	187-253	58/58	70/70	70/70	1	208/230	3	3	13	74.5
A120DL15	414-506	29	35	35	1	460	3	2	4	28
A120DL22	414-506	29	35	35	1	460	3	2	4	28
A120DM15	414-506	32	35	40	1	460	3	3	7	38.1
A120DM22	414-506	32	35	40	1	460	3	3	7	38.1
A120YL15	518-633	22	25	25	1	575	3	2	4	19
A120YL22	518-633	22	25	25	1	575	3	2	4	19
A120YM15	518-633	26	30	30	1	575	3	3	8	20
A120YM22	518-633	26	30	30	1	575	3	3	8	20
A150CL15	187-253	71/71	80/80	90/90	1	208/230	3	3	15	74.5
A150CL25	187-253	71/71	80/80	90/90	1	208/230	3	3	15	74.5
A150CM15	187-253	71/71	80/80	90/90	1	208/230	3	5	15	82.6
A150CM25	187-253	71/71	80/80	90/90	1	208/230	3	5	15	82.6
A150DL15	414-506	36	40	45	1	460	3	3	7	38.1
A150DL25	414-506	36	40	45	1	460	3	3	7	38.1
A150DM15	414-506	39	45	45	1	460	3	5	10	41.3
A150DM25	414-506	39	45	45	1	460	3	5	10	41.3
A150YL15	518-633	31	35	35	1	575	3	3	8	20
A150YL25	518-633	31	35	35	1	575	3	3	8	20
A150YM15	518-633	31	35	35	1	575	3	5	8	33
A150YM25	518-633	31	35	35	1	575	3	5	8	33

ELECTRICAL DATA—RKMB- SERIES

Model No. RKMB-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP[2]	RPM	Amps[1] (RLA)	Amps[1] (LRA)	No.	Volts	Phase	HP[2]	Amps[1] (FLA)	Amps[1] (LRA)
A090CL15	2	200/240	3	3 1/2	3450	13/13	88/88	2	208/230	1	1/3	3	4.7
A090CL22	2	208/240	3	3 1/2	3450	13/13	88/88	2	208/230	1	1/3	3	4.7
A090CM15	2	200/240	3	3 1/2	3450	13/13	88/88	2	208/230	1	1/3	3	4.7
A090CM22	2	200/240	3	3 1/2	3450	13/13	88/88	2	208/230	1	1/3	3	4.7
A090DL15	2	480	3	3 1/2	3450	7	44	2	460	1	1/3	2	2.4
A090DL22	2	480	3	3 1/2	3450	7	44	2	460	1	1/3	2	2.4
A090DM15	2	480	3	3 1/2	3450	7	44	2	460	1	1/3	2	2.4
A090DM22	2	480	3	3 1/2	3450	7	44	2	460	1	1/3	2	2.4
A090YL15	2	600	3	3 1/2	3450	5	34	2	575	1	1/3	1	1.5
A090YL22	2	600	3	3 1/2	3450	5	34	2	575	1	1/3	1	1.5
A090YM15	2	600	3	3 1/2	3450	5	34	2	575	1	1/3	1	1.5
A090YM22	2	600	3	3 1/2	3450	5	34	2	575	1	1/3	1	1.5
A102CL15	2	200/230	3	4	3450	13.3/13.3	91/91	2	208/230	1	1/3	3	4.7
A102CL22	2	200/230	3	4	3450	13.3/13.3	91/91	2	208/230	1	1/3	3	4.7
A102CM15	2	200/230	3	4	3450	13.3/13.3	91/91	2	208/230	1	1/3	3	4.7
A102CM22	2	200/230	3	4	3450	13.3/13.3	91/91	2	208/230	1	1/3	3	4.7
A102DL15	2	460	3	4	3450	7.1	50	2	460	1	1/3	2	2.4
A102DL22	2	460	3	4	3450	7.1	50	2	460	1	1/3	2	2.4
A102DM15	2	460	3	4	3450	7.1	50	2	460	1	1/3	2	2.4
A102DM22	2	460	3	4	3450	7.1	50	2	460	1	1/3	2	2.4
A102YL15	2	575	3	4	3450	5.5	37	2	575	1	1/3	1	1.5
A102YL22	2	575	3	4	3450	5.5	37	2	575	1	1/3	1	1.5
A102YM15	2	575	3	4	3450	5.5	37	2	575	1	1/3	1	1.5
A102YM22	2	575	3	4	3450	5.5	37	2	575	1	1/3	1	1.5
A120CL15	2	200/240	3	5	3450	17/17	124/124	2	208/230	1	1/3	3	4.7
A120CL22	2	200/240	3	5	3450	17/17	124/124	2	208/230	1	1/3	3	4.7
A120CM15	2	200/240	3	5	3450	17/17	124/124	2	208/230	1	1/3	3	4.7
A120CM22	2	200/240	3	5	3450	17/17	124/124	2	208/230	1	1/3	3	4.7
A120DL15	2	480	3	5	3450	9	59.6	2	460	1	1/3	2	2.4
A120DL22	2	480	3	5	3450	9	59.6	2	460	1	1/3	2	2.4
A120DM15	2	480	3	5	3450	9	59.6	2	460	1	1/3	2	2.4
A120DM22	2	480	3	5	3450	9	59.6	2	460	1	1/3	2	2.4
A120YL15	2	600	3	5	3450	7	49.4	2	575	1	1/3	1	1.5
A120YL22	2	600	3	5	3450	7	49.4	2	575	1	1/3	1	1.5
A120YM15	2	600	3	5	3450	7	49.4	2	575	1	1/3	1	1.5
A120YM22	2	600	3	5	3450	7	49.4	2	575	1	1/3	1	1.5
A150CL15	2	200/240	3	6	3450	21.9/21.9	156/156	2	208/230	1	1/3	3	4.7
A150CL25	2	200/240	3	6	3450	21.9/21.9	156/156	2	208/230	1	1/3	3	4.7
A150CM15	2	200/240	3	6	3450	21.9/21.9	156/156	2	208/230	1	1/3	3	4.7
A150CM25	2	200/240	3	6	3450	21.9/21.9	156/156	2	208/230	1	1/3	3	4.7
A150DL15	2	480	3	6	3450	10.9	75	2	460	1	1/3	2	2.4
A150DL25	2	480	3	6	3450	10.9	75	2	460	1	1/3	2	2.4
A150DM15	2	480	3	6	3450	10.9	75	2	460	1	1/3	2	2.4
A150DM25	2	480	3	6	3450	10.9	75	2	460	1	1/3	2	2.4
A150YL15	2	600	3	6	3450	8.9	54	2	575	1	1/3	1	1.5
A150YL25	2	600	3	6	3450	8.9	54	2	575	1	1/3	1	1.5
A150YM15	2	600	3	6	3450	8.9	54	2	575	1	1/3	1	1.5
A150YM25	2	600	3	6	3450	8.9	54	2	575	1	1/3	1	1.5

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

Model No. RKNB-	Unit Information				Evaporator Fan					
	Unit Operating Voltage Range	Minimum Circuit Ampacity	Minimum Overcurrent Protection Device Size	Maximum Overcurrent Protection Device Size	No.	Volts	Phase	HP	Amps (FLA)	Amps (LRA)
A090CL15	187-253	42/42	45/45	50/50	1	208/230	3	2	8	56
A090CL22	187-253	42/42	45/45	50/50	1	208/230	3	2	8	56
A090CM15	187-253	42/42	45/45	50/50	1	208/230	3	2	8	56
A090CM22	187-253	42/42	45/45	50/50	1	208/230	3	2	8	56
A090CN15	187-253	48/48	60/60	60/60	1	208/230	3	3	13	74.5
A090CN22	187-253	48/48	60/60	60/60	1	208/230	3	3	13	74.5
A090DL15	414-506	22	25	25	1	460	3	2	4	28
A090DL22	414-506	22	25	25	1	460	3	2	4	28
A090DM15	414-506	22	25	25	1	460	3	2	4	28
A090DM22	414-506	22	25	25	1	460	3	2	4	28
A090DN15	414-506	25	30	30	1	460	3	3	7	38.1
A090DN22	414-506	25	30	30	1	460	3	3	7	38.1
A090YL15	518-633	17	20	20	1	575	3	2	4	19
A090YL22	518-633	17	20	20	1	575	3	2	4	19
A090YM15	518-633	17	20	20	1	575	3	2	4	19
A090YM22	518-633	17	20	20	1	575	3	2	4	19
A090YN15	518-633	22	25	25	1	575	3	3	8	20
A090YN22	518-633	22	25	25	1	575	3	3	8	20
A102CL15E	187-253	43/43	45/45	50/50	1	208/230	3	2	8	56
A102CL22E	187-253	43/43	45/45	50/50	1	208/230	3	2	8	56
A102CM15E	187-253	48/48	50/50	60/60	1	208/230	3	3	13	74.5
A102CM22E	187-253	48/48	50/50	60/60	1	208/230	3	3	13	74.5
A102DL15E	414-506	23	25	25	1	460	3	2	4	28
A102DL22E	414-506	23	25	25	1	460	3	2	4	28
A102DM15E	414-506	26	30	30	1	460	3	3	7	38.1
A102DM22E	414-506	26	30	30	1	460	3	3	7	38.1
A102YL15E	518-632	18	20	20	1	575	3	2	4	19
A102YL22E	518-632	18	20	20	1	575	3	2	4	19
A102YM15E	518-632	22	25	25	1	575	3	3	8	20
A102YM22E	518-632	22	25	25	1	575	3	3	8	20
A120CL15	187-253	53/53	60/60	70/70	1	208/230	3	2	8	56
A120CL22	187-253	53/53	60/60	70/70	1	208/230	3	2	8	56
A120CM15	187-253	53/53	60/60	70/70	1	208/230	3	3	13	74.5
A120CM22	187-253	53/53	60/60	70/70	1	208/230	3	3	13	74.5
A120DL15	414-506	29	30	35	1	460	3	2	4	28
A120DL22	414-506	29	30	35	1	460	3	2	4	28
A120DM15	414-506	32	35	40	1	460	3	3	7	38.1
A120DM22	414-506	32	35	40	1	460	3	3	7	38.1
A120YL15	518-633	22	25	25	1	575	3	2	4	19
A120YL22	518-633	22	25	25	1	575	3	2	4	19
A120YM15	518-633	27	30	30	1	575	3	3	8	20
A120YM22	518-633	27	30	30	1	575	3	3	8	20

ELECTRICAL DATA—RKNB- SERIES

Model No. RKNB-	Compressor Motor							Condenser Motor					
	No.	Volts	Phase	HP[2]	RPM	Amps[1] (RLA)	Amps[1] (LRA)	No.	Volts	Phase	HP[2]	Amps[1] (FLA)	Amps[1] (LRA)
A090CL15	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090CL22	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090CM15	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090CM22	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090CN15	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090CN22	2	200/240	3	3 1/3	3450	12.4/12.4	88/88	2	208/230	1	1/3	3	4.7
A090DL15	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090DL22	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090DM15	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090DM22	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090DN15	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090DN22	2	480	3	3 1/3	3450	5.8	44	2	460	1	1/3	2	2.4
A090YL15	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A090YL22	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A090YM15	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A090YM22	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A090YN15	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A090YN22	2	600	3	3 1/3	3450	4.8	34	2	575	1	1/3	2	1.5
A102CL15E	2	200/230	3	3 3/4	3450	12.8/12.8	91/91	2	208/230	1	1/3	3	4.7
A102CL22E	2	200/230	3	3 3/4	3450	12.8/12.8	91/91	2	208/230	1	1/3	3	4.7
A102CM15E	2	200/230	3	3 3/4	3450	12.8/12.8	91/91	2	208/230	1	1/3	3	4.7
A102CM22E	2	200/230	3	3 3/4	3450	12.8/12.8	91/91	2	208/230	1	1/3	3	4.7
A102DL15E	2	460	3	3 3/4	3450	6.4	46	2	460	1	1/3	2	2.4
A102DL22E	2	460	3	3 3/4	3450	6.4	46	2	460	1	1/3	2	2.4
A102DM15E	2	460	3	3 3/4	3450	6.4	46	2	460	1	1/3	2	2.4
A102DM22E	2	460	3	3 3/4	3450	6.4	46	2	460	1	1/3	2	2.4
A102YL15E	2	575	3	3 3/4	3450	5.1	37	2	575	1	1/3	1	1.5
A102YL22E	2	575	3	3 3/4	3450	5.1	37	2	575	1	1/3	1	1.5
A102YM15E	2	575	3	3 3/4	3450	5.1	37	2	575	1	1/3	1	1.5
A102YM22E	2	575	3	3 3/4	3450	5.1	37	2	575	1	1/3	1	1.5
A120CL15	2	200/240	3	4 3/4	3450	17.3/17.3	123/123	2	208/230	1	1/3	3	4.7
A120CL22	2	200/240	3	4 3/4	3450	17.3/17.3	123/123	2	208/230	1	1/3	3	4.7
A120CM15	2	200/240	3	4 3/4	3450	17.3/17.3	123/123	2	208/230	1	1/3	3	4.7
A120CM22	2	200/240	3	4 3/4	3450	17.3/17.3	123/123	2	208/230	1	1/3	3	4.7
A120DL15	2	480	3	4 3/4	3450	9	62	2	460	1	1/3	3	2.4
A120DL22	2	480	3	4 3/4	3450	9	62	2	460	1	1/3	3	2.4
A120DM15	2	480	3	4 3/4	3450	9	62	2	460	1	1/3	3	2.4
A120DM22	2	480	3	4 3/4	3450	9	62	2	460	1	1/3	3	2.4
A120YL15	2	575	3	4 3/4	3450	7.1	50	2	575	1	1/3	3	1.5
A120YL22	2	575	3	4 3/4	3450	7.1	50	2	575	1	1/3	3	1.5
A120YM15	2	575	3	4 3/4	3450	7.1	50	2	575	1	1/3	3	1.5
A120YM22	2	575	3	4 3/4	3450	7.1	50	2	575	1	1/3	3	1.5

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

GAS HEAT / ELECTRIC COOLING PACKAGE

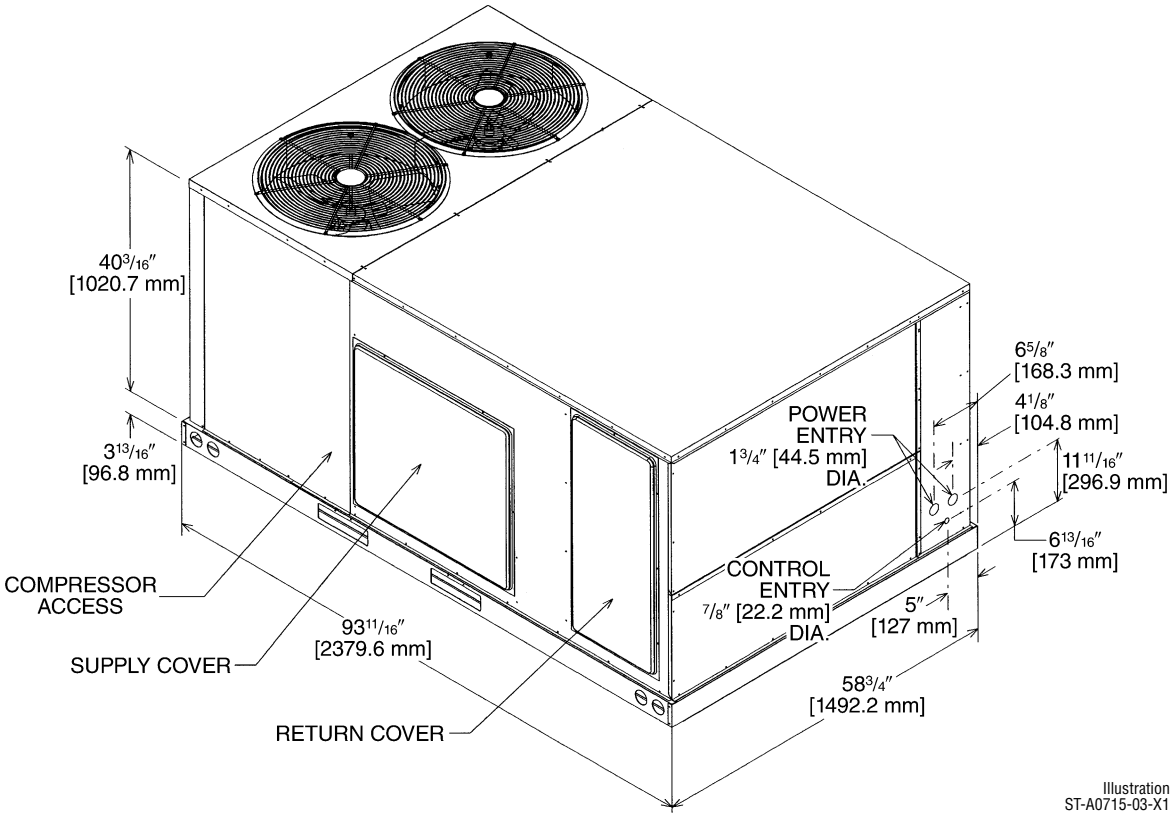


Illustration ST-A0715-03-X1

BOTTOM VIEW

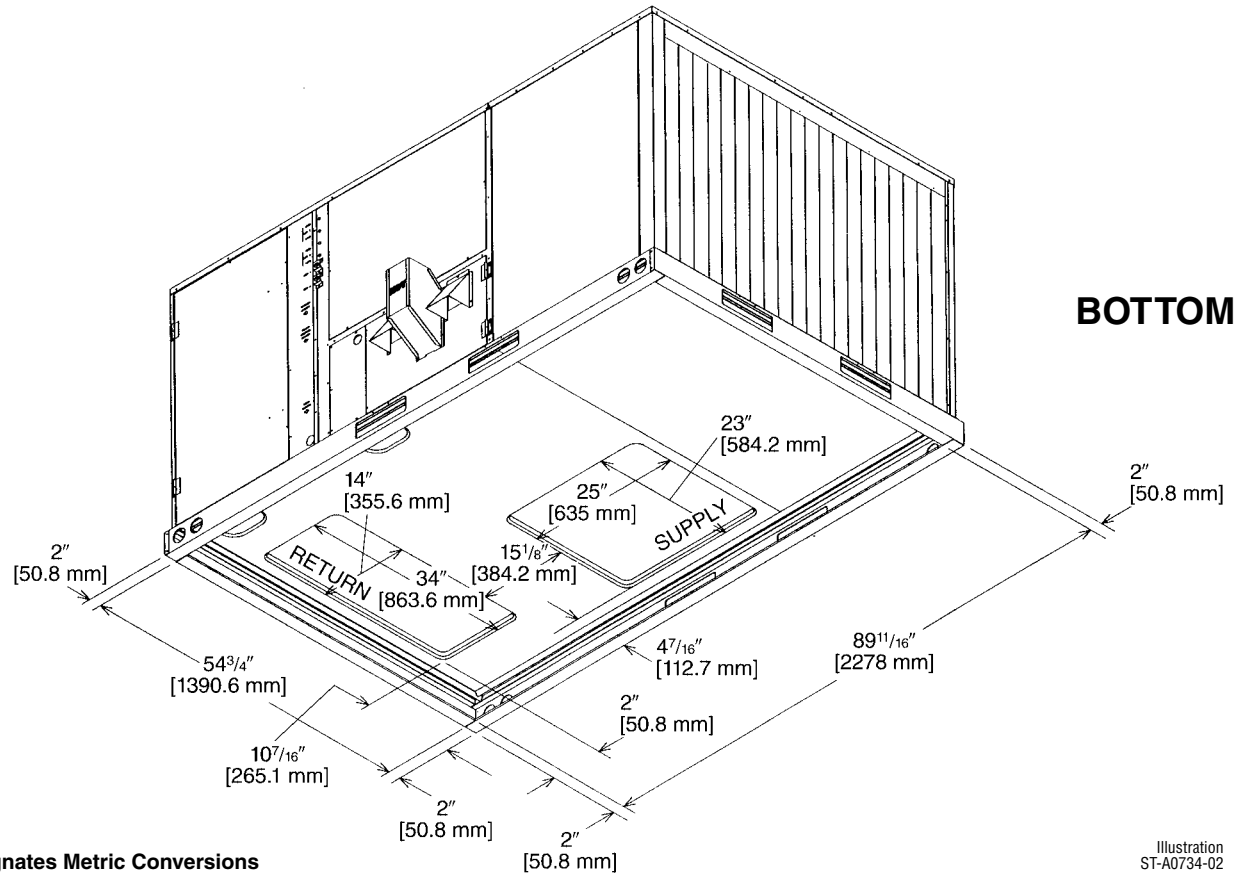
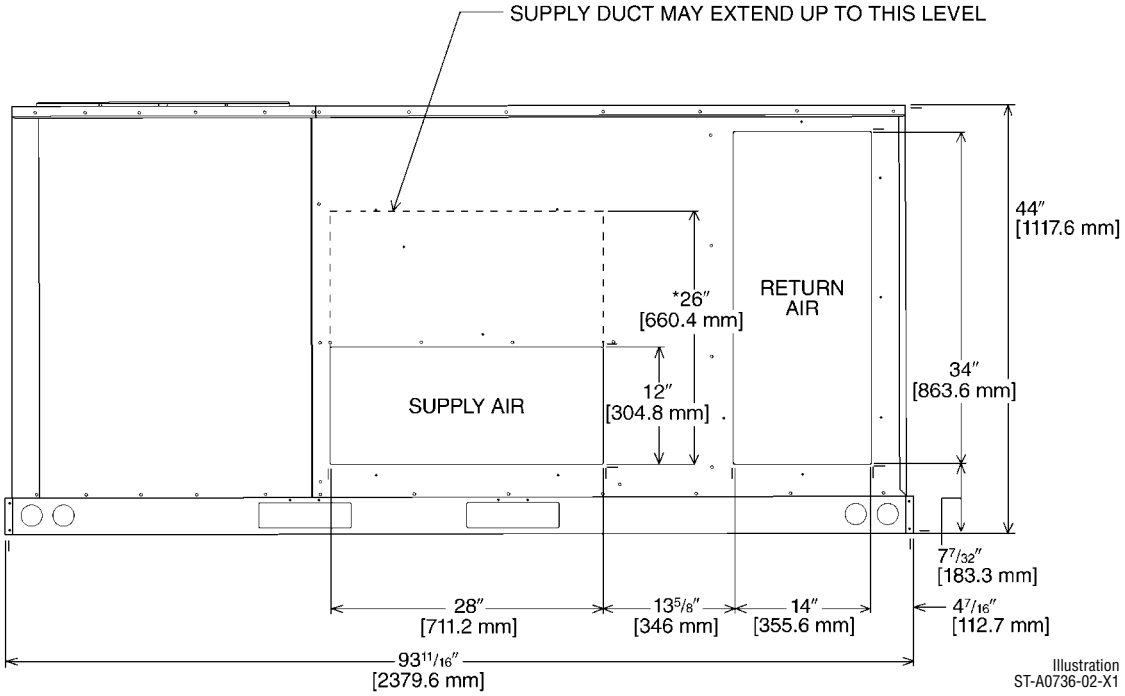


Illustration ST-A0734-02

[ ] Designates Metric Conversions

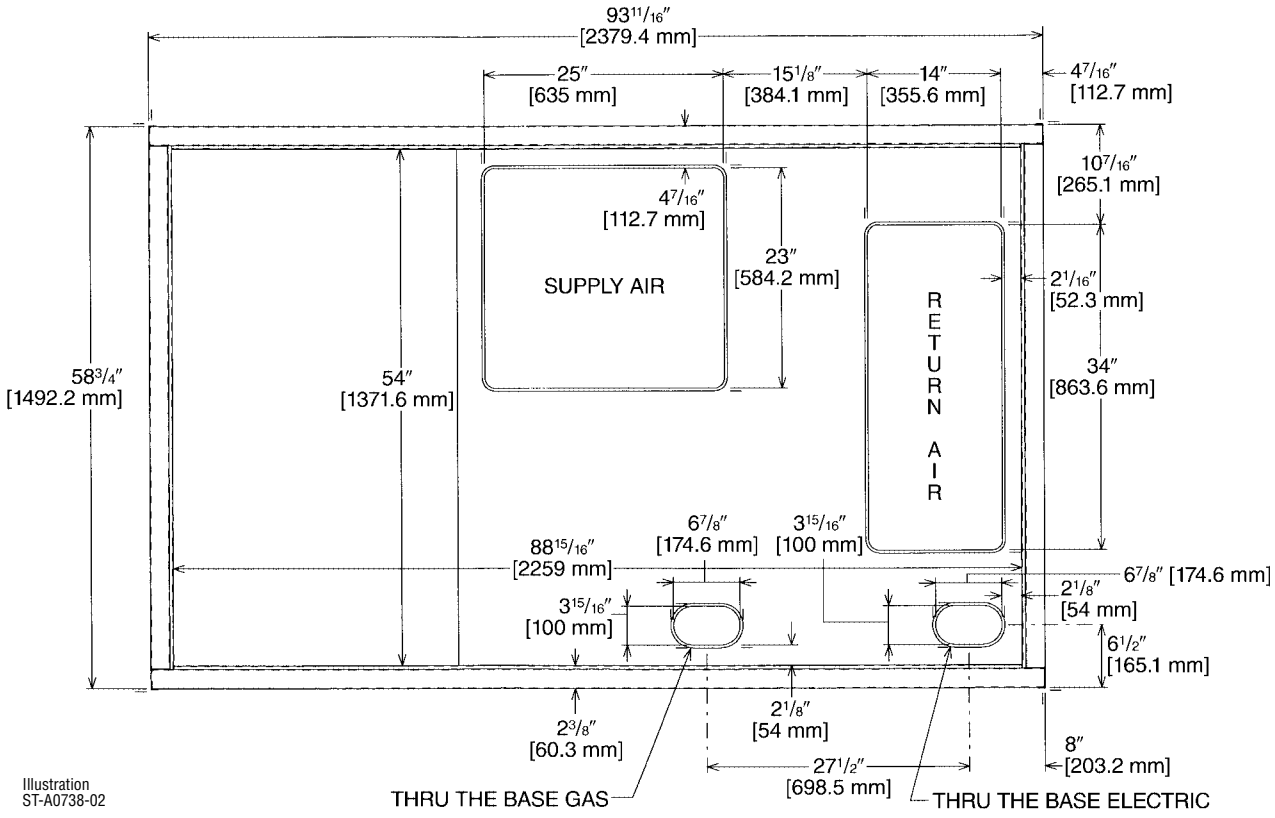
GAS HEAT / ELECTRIC COOLING PACKAGE

SUPPLY AND RETURN DIMENSIONS FOR HORIZONTAL APPLICATIONS



***RECOMMENDED DUCT DIMENSIONS ARE 26"**

SUPPLY AND RETURN DIMENSIONS FOR DOWNFLOW APPLICATIONS



[ ] Designates Metric Conversions

GAS HEAT / ELECTRIC COOLING PACKAGE

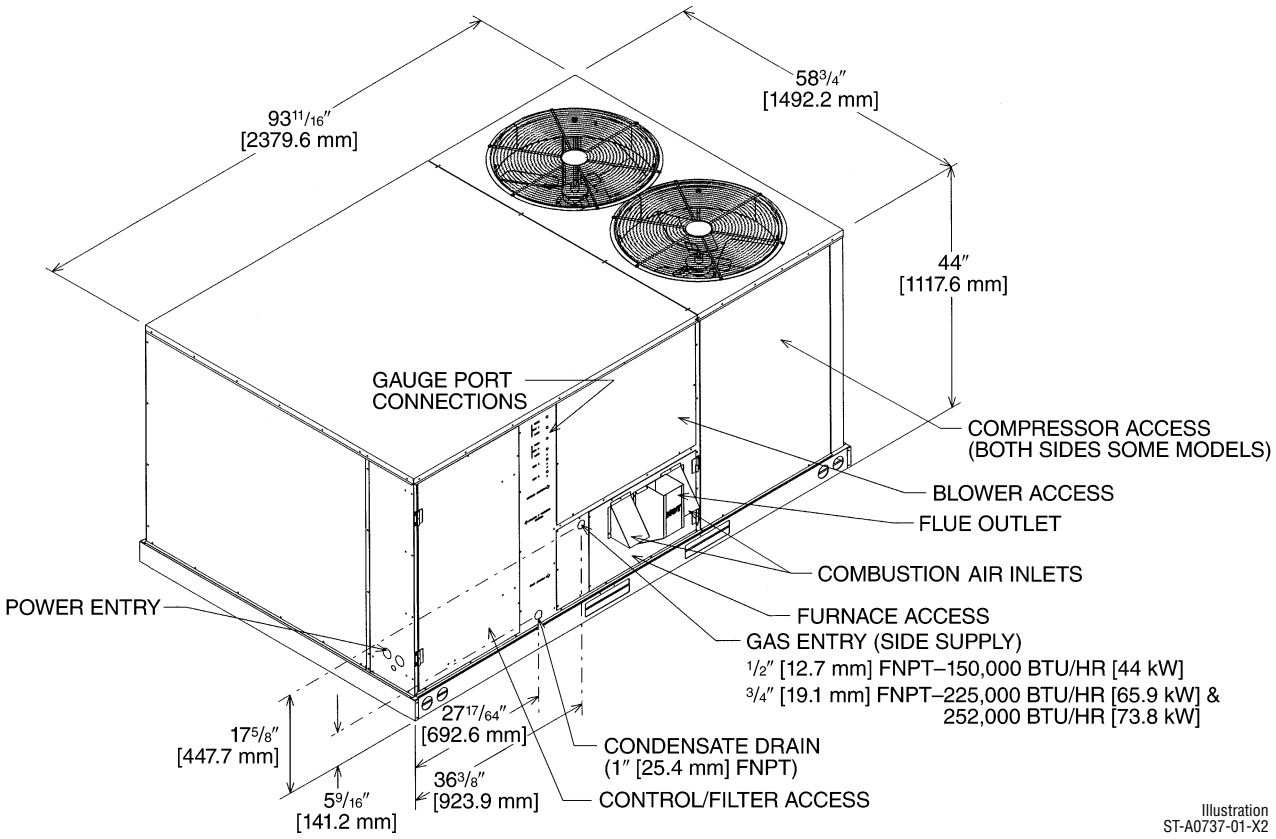


Illustration
ST-A0737-01-X2

[ ] Designates Metric Conversions

WEIGHTS

Accessory	Shipping—lbs [kg]	Operating—lbs [kg]
Economizer	90 [40.82]	81 [36.70]
Power Exhaust	44 [19.96]	42 [19.05]
Fresh Air Damper (Manual)	26 [11.79]	21 [9.53]
Fresh Air Damper (Motorized)	43 [19.50]	38 [17.24]
Roof Curb 14"	90 [40.82]	85 [38.60]
Roof Curb 24"	140 [63.50]	135 [61.23]

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
7.5-12.5 [26.4-44.0]	33%	27%	17%	23%

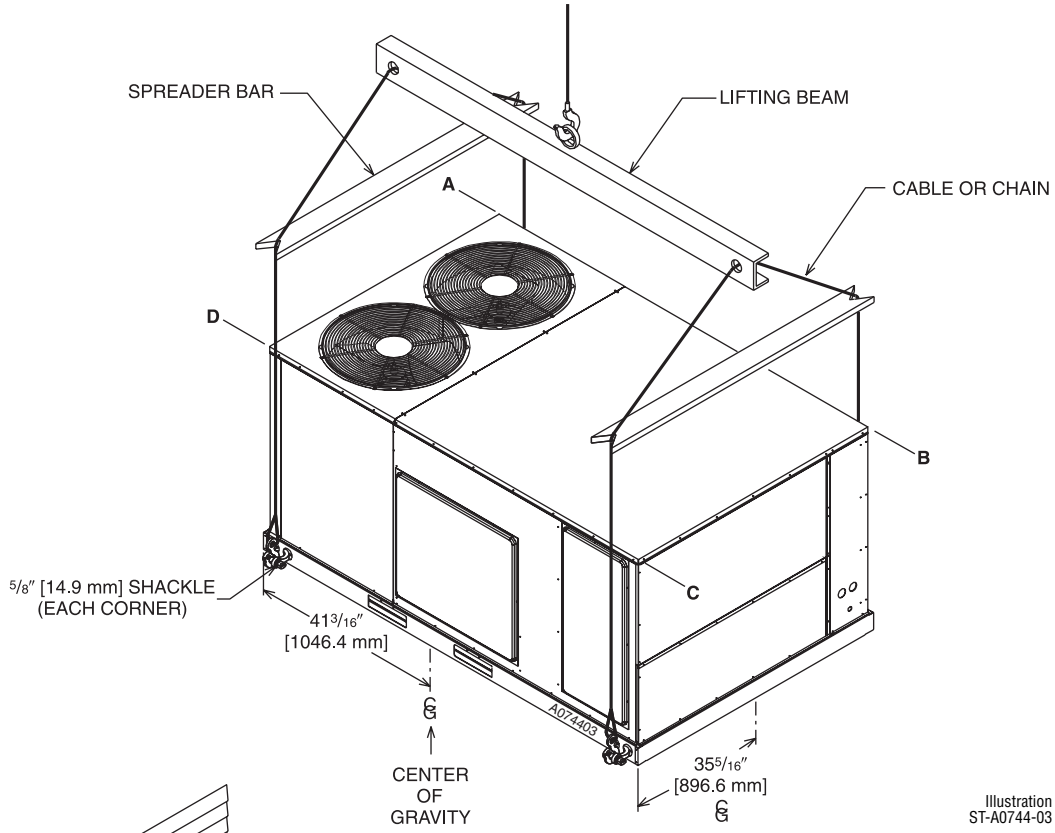
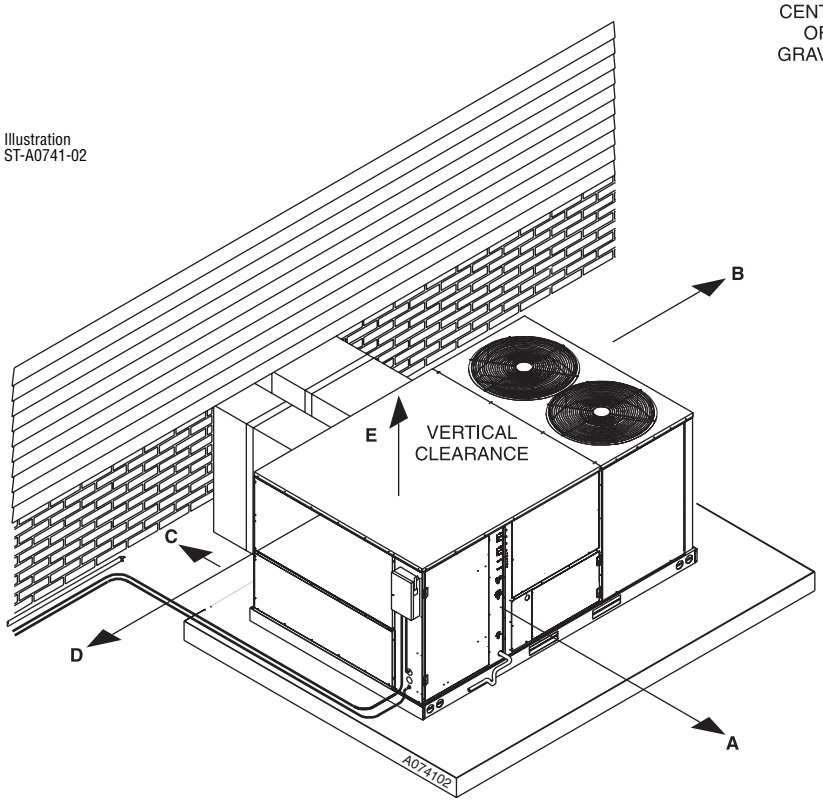


Illustration ST-A0744-03

Illustration ST-A0741-02



CLEARANCES

The following minimum clearances must be observed for proper unit performance and serviceability.

Recommended Clearance In. [mm]	Location
48 [1219]	A - Front
18 [457]	B - Condenser Coil
18 [457]	C - Duct Side
18 [457]	*D - Evaporator End
60 [1524]	E - Above
*Without Economizer. 48" [1219 mm] With Economizer	

[ ] Designates Metric Conversions

FIELD INSTALLED ACCESSORY EQUIPMENT

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Thermostats	See Thermostat Specification Sheet for Details (T11-001)			No
Economizer w/Single Enthalpy	RXRD-MDCM3	90 [40.8]	81 [36.7]	Yes
Dual Enthalpy Kit	RXRX-AV02	1 [.5]	1 [.5]	No
Horizontal Economizer w/Single Enthalpy	RXRD-NDCM3	94 [42.6]	89 [40.4]	No
Carbon Dioxide Sensor (Wall Mount)	RXRX-AR02	3 [1.4]	2 [1.0]	No
Power Exhaust	RXRX-BFF02 (C,D,Y)	43 [19.5]	38 [17.2]	No
Manual Fresh Air Damper (Horizontal Return Mounted)	RXRF-FDA1	26 [11.8]	21 [9.5]	No
Manual Fresh Air Damper (Left Panel Mounted)	RXRF-HDA1	38 [17.2]	31 [14.1]	No
Motorized Fresh Air Damper	RXRF-FDB1	43 [19.5]	38 [17.2]	No
Motor Kit for RXRF-HDA1	RXRX-AT02	35 [15.9]	27 [12.2]	No
Roofcurb, 14"	RXKG-CAE14	90 [40.8]	85 [38.5]	No
Roofcurb, 24"	RXKG-CAE24	140 [63.5]	135 [61.2]	No
Roofcurb Adapters (See Chart on Page 83 for Application)	RXRX-CDCE50	300 [136.1]	290 [131.5]	No
	RXRX-CFCE54	325 [147.4]	315 [142.9]	No
	RXRX-CFCE56	350 [158.8]	340 [154.2]	No
	RXRX-CGCC12	450 [204.1]	410 [186.0]	No
Concentric Diffuser (Step-Down, 20" Round)	RXRN-FA65	139 [63.0]	60 [27.2]	No
Concentric Diffuser (Step-Down, 18 x 28)	RXRN-AA61	200 [90.7]	185 [83.9]	No
Concentric Diffuser (Step-Down, 18 x 32)	RXRN-AA66	247 [112.0]	227 [103.0]	No
Concentric Diffuser (Flush, 20" Round)	RXRN-FA75	54 [24.4]	42 [19.0]	No
Concentric Diffuser (Flush, 18 x 28)	RXRN-AA71	170 [77.1]	155 [70.3]	No
Concentric Diffuser (Flush, 18 x 32)	RXRN-AA76	176 [79.8]	161 [73.0]	No
Downflow Transition (Rect. to Round)	RXMC-CD04 ①	15 [6.8]	13 [5.9]	No
Downflow Transition (Rect. to Rect., 18 x 28)	RXMC-CE05 ②	18 [8.2]	16 [7.3]	No
Downflow Transition (Rect. to Rect., 18 x 32)	RXMC-CF06 ③	20 [9.1]	18 [8.2]	No
Compressor Time-Delay Relay Kit	RXMD-A04	2 [1.0]	1 [.5]	Yes
Low-Ambient Control Kit	RXRZ-A90	3 [1.4]	2 [1.0]	Yes
High/Low Pressure Switch Kit	RXRX-AK01	5 [2.3]	4 [1.8]	Yes
Freeze-Stat Kit	RXRX-AM01	1 [.5]	0.5 [.2]	Yes
Outdoor Coil Louver Kit	RXRX-AAD01C	29 [11.3]	26 [11.8]	Yes
Unwired Convenience Outlet	RXRX-AN01	2 [1.0]	1.5 [.7]	Yes
Unfused Service Disconnect	RXRX-AP01	10 [4.5]	9 [4.1]	Yes

NOTES: ① Used with RXRN-AA61 and RXRN-AA71 concentric diffusers.
② Used with RXRN-AA66 and RXRN-AA76 concentric diffusers.
③ Please refer to conversion kit index provided with the unit for LP conversion kit.

[ ] Designates Metric Conversions

THERMOSTATS

300-Series *
Deluxe Programmable

200-Series *
Programmable

100-Series *
Non-Programmable

400-Series *
Special Applications/Programmable

Brand	Unique Model Number Prefix		Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC		-	TST	101	GE	MS
RHC=Rheem			TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable	GE=Gas/Oil/Electric HP=Heat Pump MD=Modulating Furnace DF=Dual Fuel UN=Universal AC/HP/GE	SS=Single-Stage MS=Multi-Stage

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

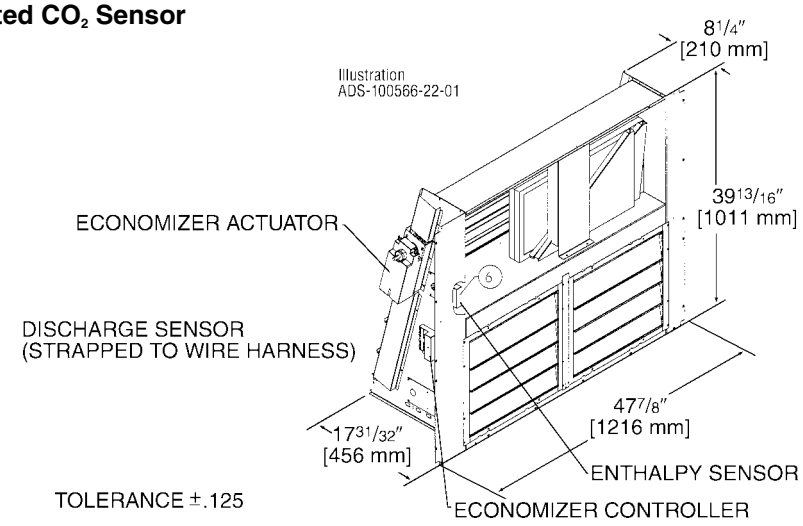
For detailed thermostat match-up information, see specification sheet form number T11-001.

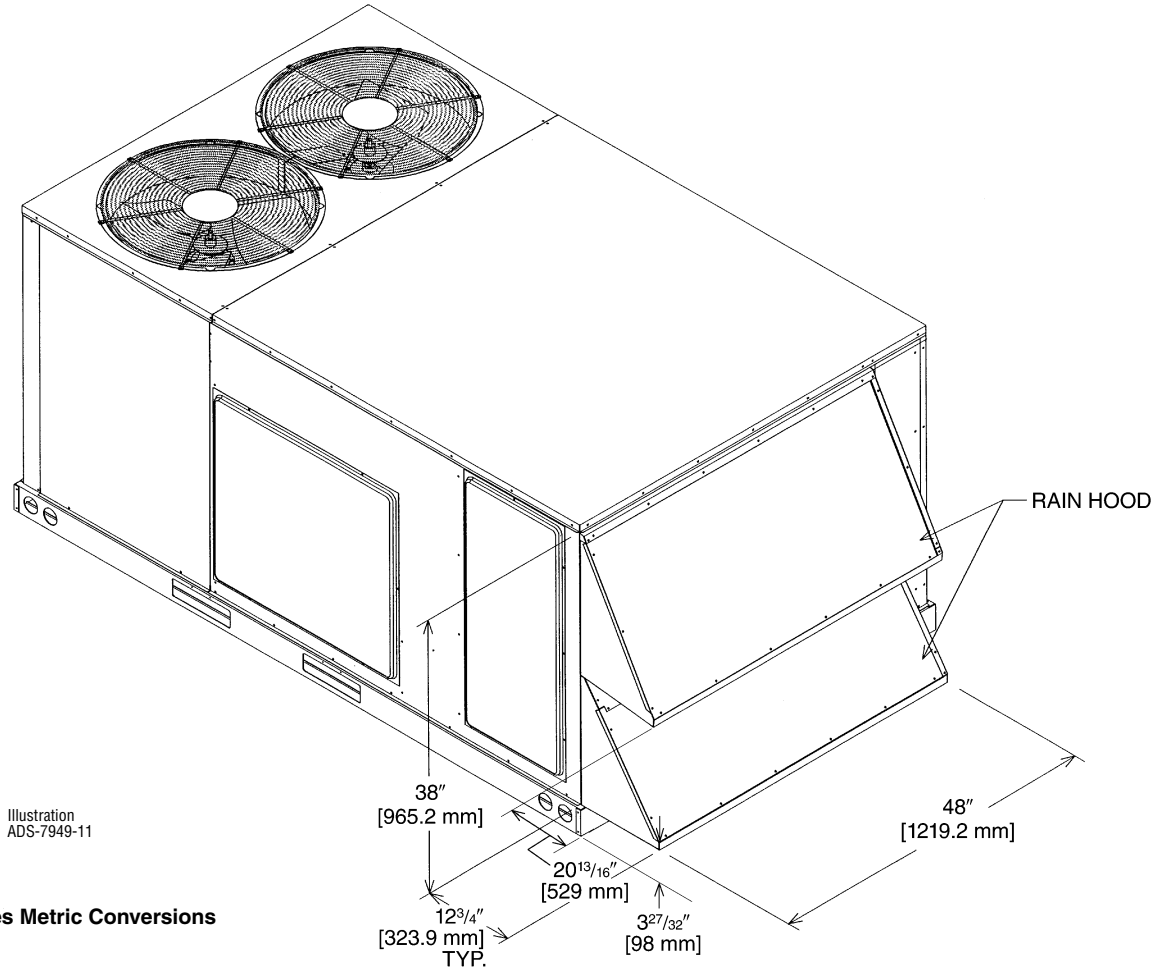
ECONOMIZERS

Use to Select Factory Installed Options Only

RXRD-MDCM3—Single Enthalpy (Outdoor)
RXRX-AV02—Dual Enthalpy Upgrade Kit
RXRX-AR01 OR RXRX-AR02—Optional Wall-Mounted CO_2 Sensor

- Features **Honeywell** Controls
- Available Factory Installed or Field Accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Slip-In Design for Easy Installation
- Plug-In Polarized 12-pin Electrical Connections
- Pre-Configured—No Field Adjustments Necessary
- Standard Barometric Relief Damper
- Single Enthalpy with Dual Enthalpy Upgrade Kit Available
- CO_2 Input Sensor Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Downflow Duct Application.
- Optional Remote Minimum Position Potentiometer (Honeywell #S963B1128) is Available from Prostock.
- Field Installed Power Exhaust Available





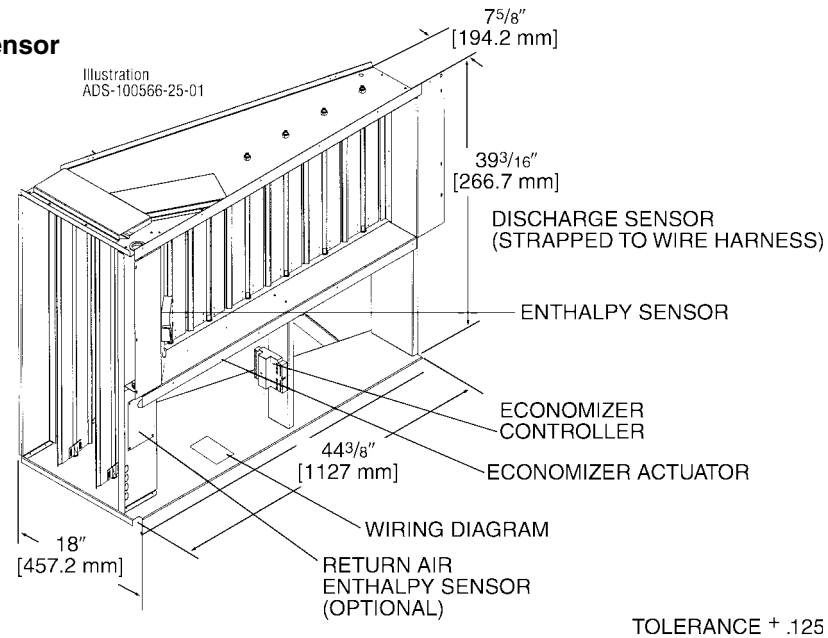
[ ] Designates Metric Conversions

ECONOMIZER FOR HORIZONTAL DUCT INSTALLATION

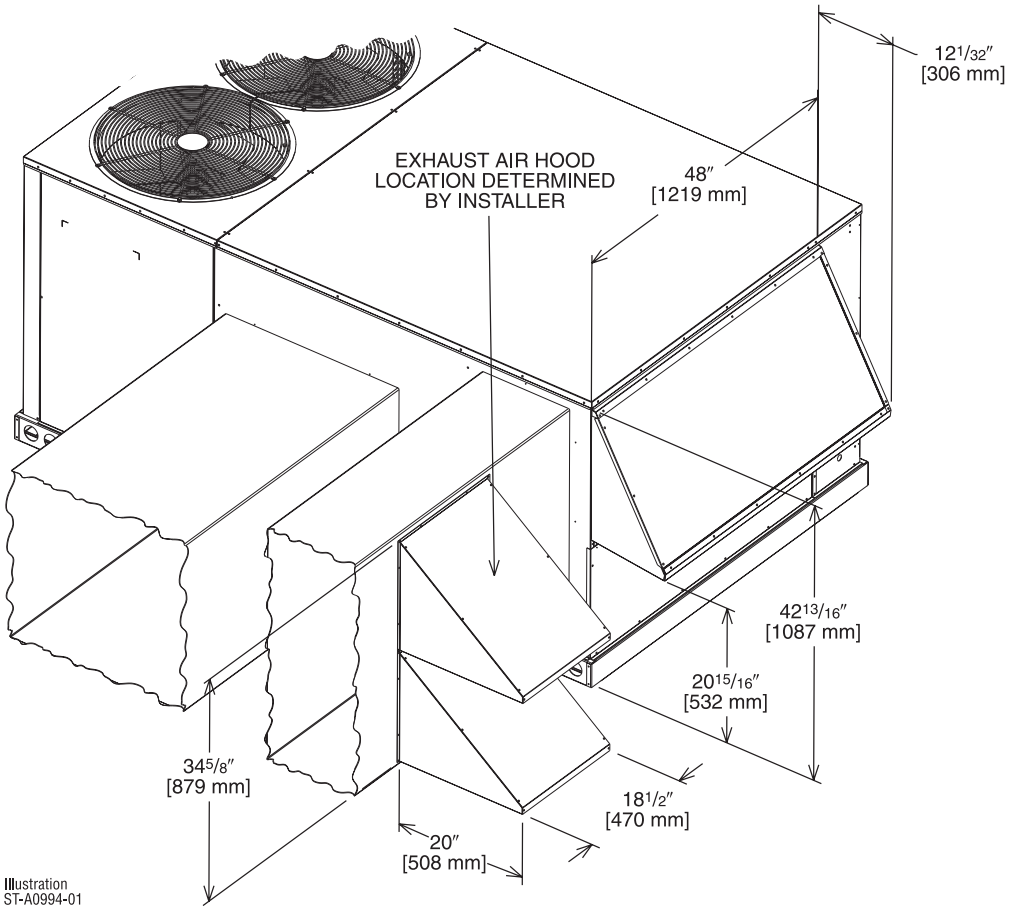
Field Installed Only

RXRD-MDCM3—Single Enthalpy (Outdoor)
RXRX-AV02—Dual Enthalpy Upgrade Kit
RXRX-AR01 OR RXRX-AR02—Wall-mounted CO_2 Sensor

- Features **Honeywell** Controls
- Available as a Field Installed Accessory Only
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Slip-In Design for Easy Installation
- Plug-In Polarized 12-pin Electrical Connections
- Pre-Configured—No Field Adjustments Necessary
- Standard Barometric Relief Damper
- Single Enthalpy with Dual Enthalpy Upgrade Kit Available
- CO_2 Input Sensor Available
- Field Assembled Hood Ships with Economizer
- Economizer Ships Complete for Horizontal Duct Application
- Optional Remote Minimum Position Potentiometer (Honeywell #S963B1128) is Available from Prostock
- Field Installed Power Exhaust Available



TOLERANCE ± .125



[ ] Designates Metric Conversions

POWER EXHAUST KIT FOR RXRD-MDCM3(-), RXRD-NDCM3(-) ECONOMIZERS

RXRX-BFF02 (C, D, or Y*)

***Voltage Code**

VERTICAL AIRFLOW

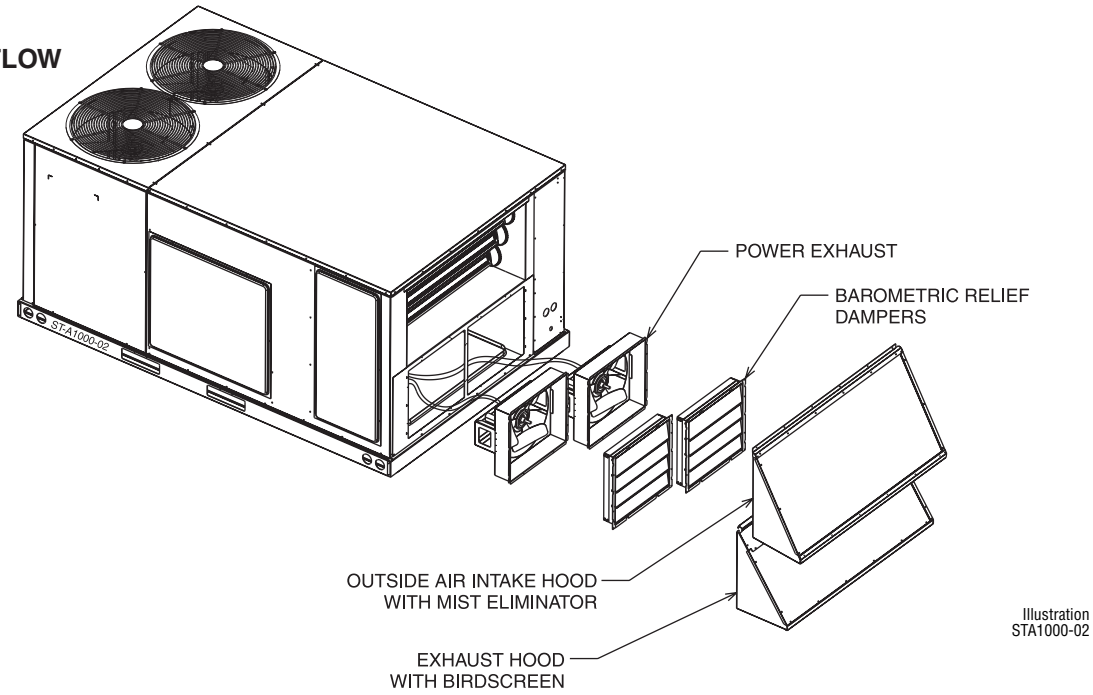


Illustration STA1000-02

HORIZONTAL AIRFLOW

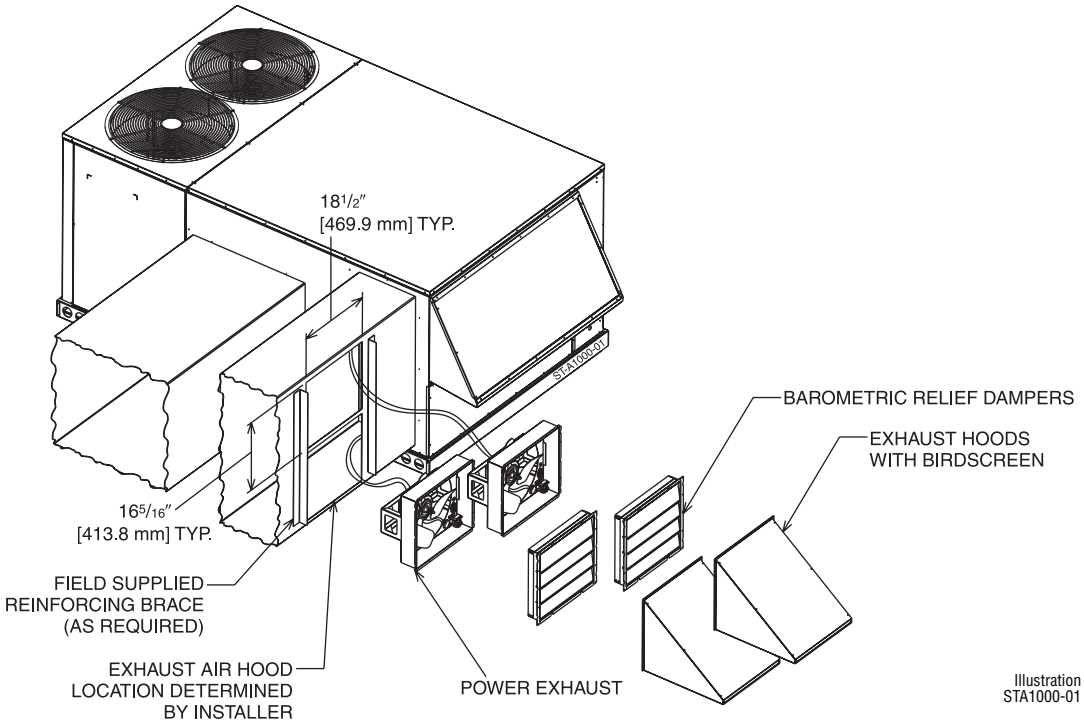


Illustration STA1000-01

Model No.	No. of Fans	Volts	Phase	HP (ea.)	Low Speed		High Speed ①		FLA (ea.)	LRA (ea.)
					CFM [L/s] ②	RPM	CFM [L/s] ②	RPM		
RXRX-BFF02C	2	208-230	1	0.33	2200 [1038]	1518	2500 [1179]	1670	1.48	3.6
RXRX-BFF02D	2	460	1	0.33	2200 [1038]	1518	2500 [1179]	1670	0.75	1.8
RXRX-BFF02Y	2	575	1	0.33	2200 [1038]	1518	2500 [1179]	1670	0.81	1.5

NOTES: ① Power exhaust is factory set on high speed motor tap.
② CFM is per fan at 0" w.c. external static pressure.

[ ] Designates Metric Conversions

FRESH AIR DAMPER

MOTORIZED DAMPER KIT
RXRX-ATO2
(Motor Kit for RXRF-HDA1)

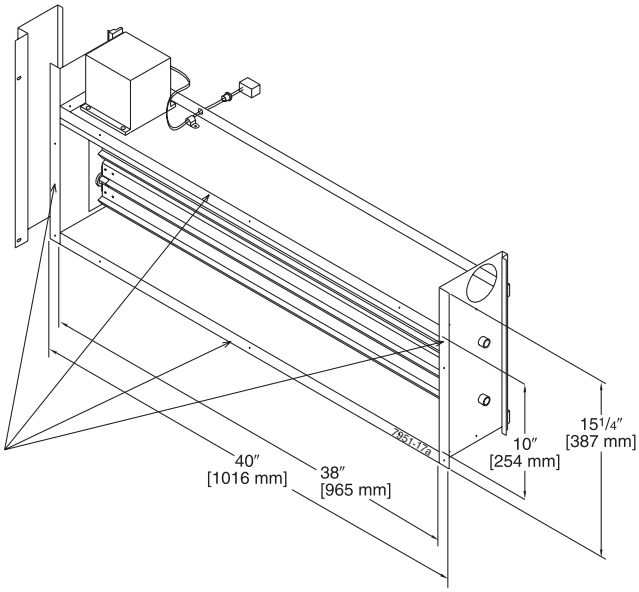


Illustration
ST-7951-17

[ ] Designates Metric Conversions

RXRF-HDA1 (Manual)

DOWNFLOW OR
HORIZONTAL APPLICATION

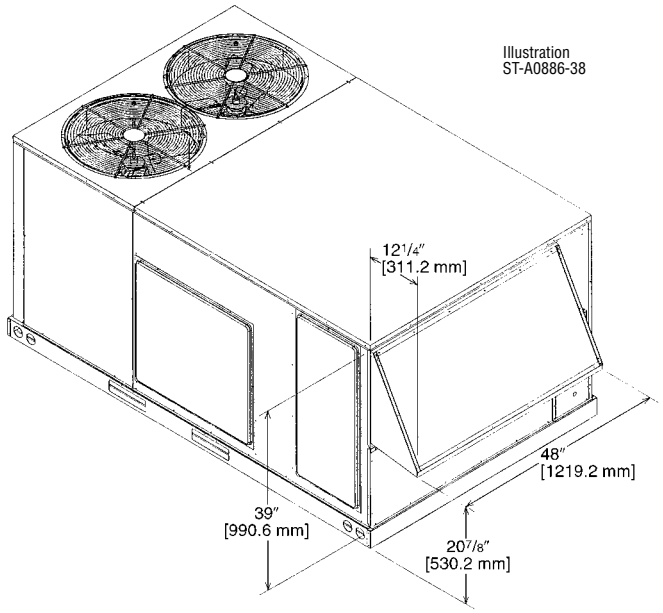


Illustration
ST-A0886-38

FRESH AIR DAMPER (Cont.)

RXRF-FDA1 (Manual)
RXRF-FDB1 (Motorized)

DOWNFLOW APPLICATION

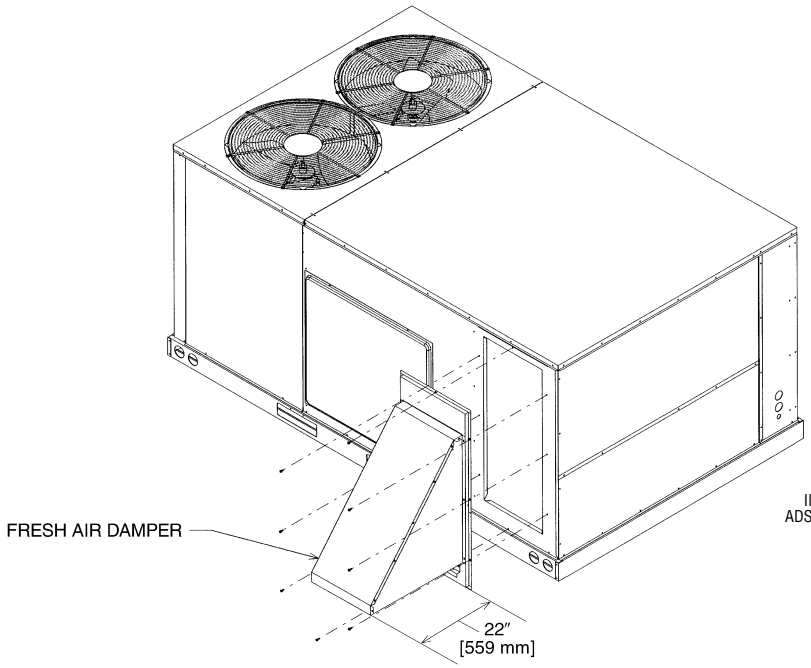
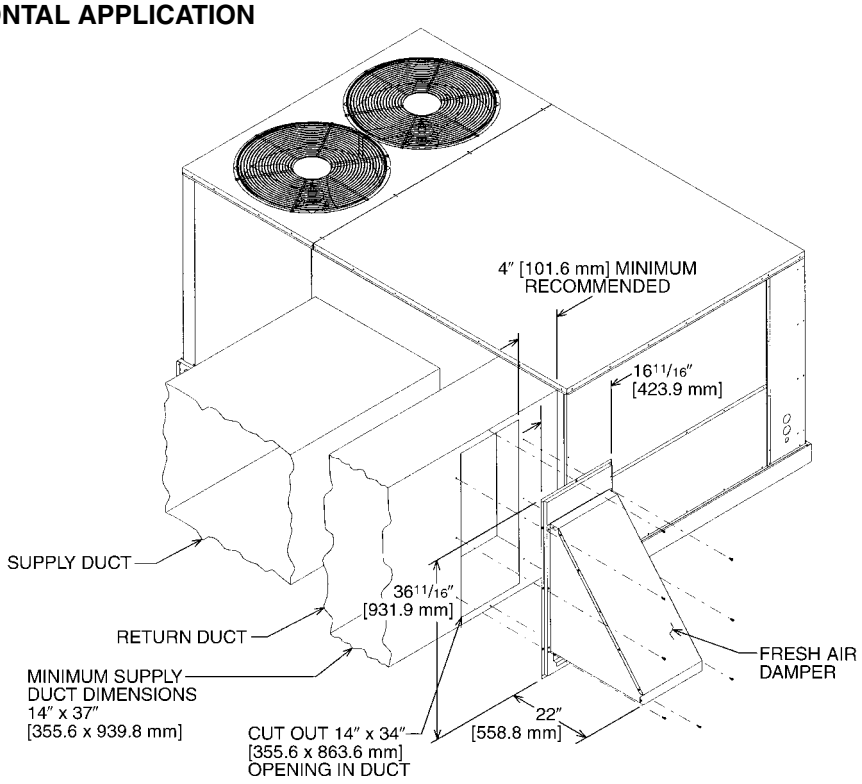


Illustration
ADS-7937-58

HORIZONTAL APPLICATION

Illustration
ST-A0901-01



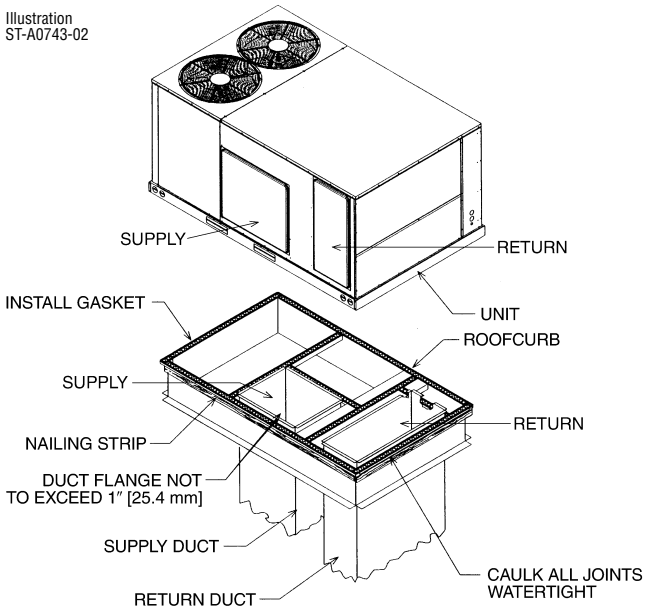
[ ] Designates Metric Conversions

ROOFCURBS (Full Perimeter)

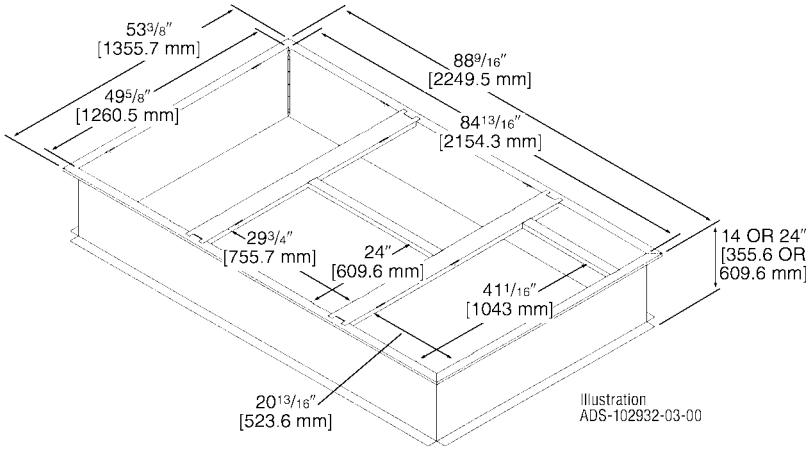
- Rheem's roofcurb design can be utilized on all 7.5-12.5 ton [26.4-44.0 kW] RKKB, RKMB and RKNB- models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 1" [25 mm] x 4" [102 mm] Nailer provided.
- Insulating panels not required because of insulated outdoor base pan.
- Sealing gasket (40' [12.2 m]) provided with Roofcurb.
- Packaged for easy field assembly.

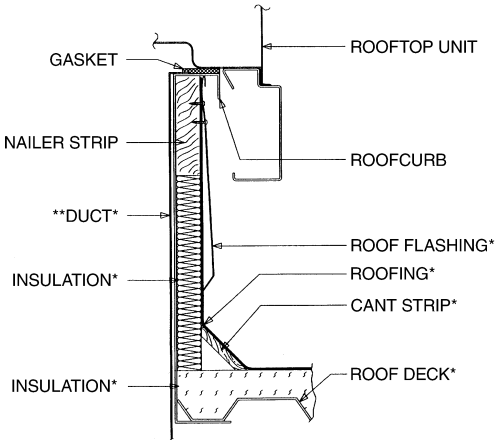
Roofcurb Model	Height of Curb
RXKG-CAE14	14" [356 mm]
RXKG-CAE24	24" [610 mm]

TYPICAL INSTALLATION



ROOFCURB INSTALLATION





*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.

Illustration
ST-A0743-02

[ ] Designates Metric Conversions

ROOFCURB ADAPTERS

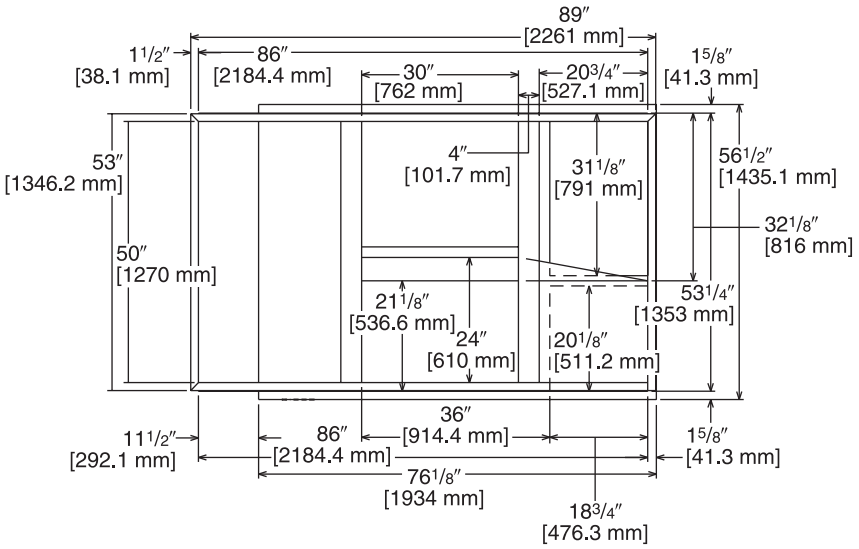
OLD MODELS	OLD ROOFCURB	ROOFCURB ADAPTER	NEW MODELS (All Share Common Cabinet)
(-)RCF, (-)REF-075/076 (-)RGF-150075, (-)RGF-131076 (-)RGF-201076	RXRK-E50	RXRX-CDCE50	(R)KKB, (R)KMB-A090, (R)KNB-A090 (R)KKB, (R)KMB-A102 (R)KKB, (R)KMB-A120, (R)KNB-A120 (R)KKB, (R)KMB-A150 (R)KKB-A181
(-)RGF-200075 (-)RGG, (-)REG, (-)RCG-075 (-)RGF, (-)REF, (-)RCF-085 (-)RGF, (-)REF, (-)RCF-100 (-)RGG, (-)REG, (-)RCG-100	RXRK-E54	RXRX-CFCE54	
(-)RGF, (-)REF, (-)RCF-125	RXRK-E56	RXRX-CFCE56	
(-)PDC-075 (-)PDC-100/101	RXPK-C12	RXRX-CGCC12	

NOTE: Ductwork modifications may be necessary if the capacity and/or indoor airflow rate of replacement unit is not equivalent to that of the unit being replaced.

ROOFCURB ADAPTERS (Cont.)

RXRX-CDCE50

Illustration
ADS-7952-02
Sheet 2



TOP VIEW

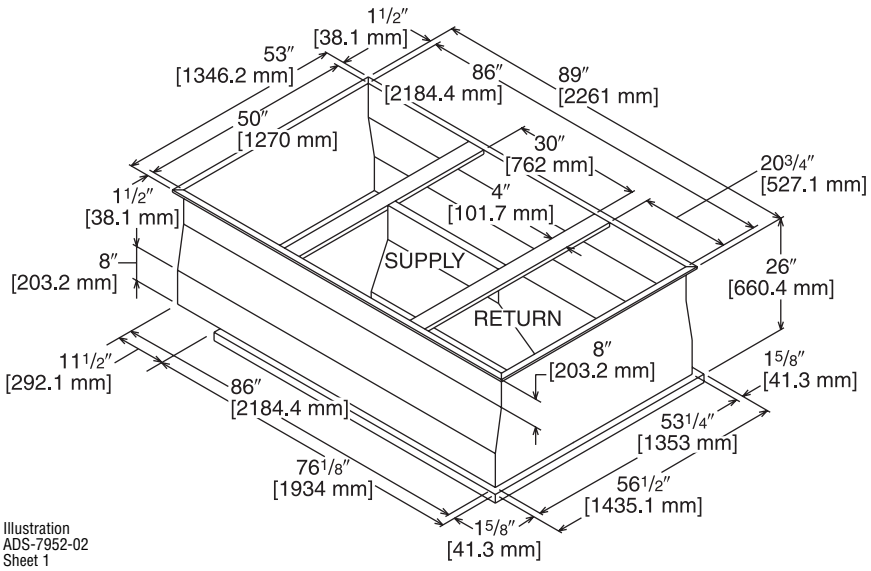


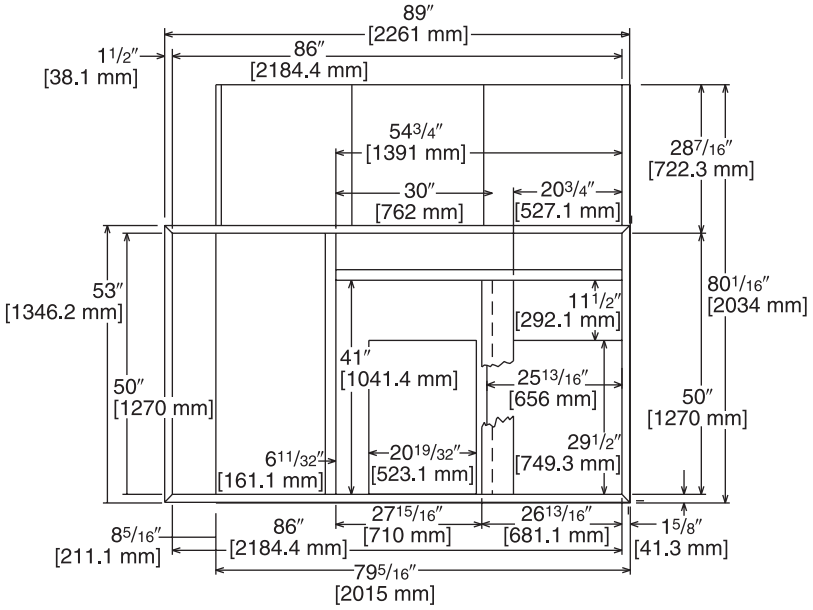
Illustration
ADS-7952-02
Sheet 1

[ ] Designates Metric Conversions

ROOFCURB ADAPTERS (Cont.)

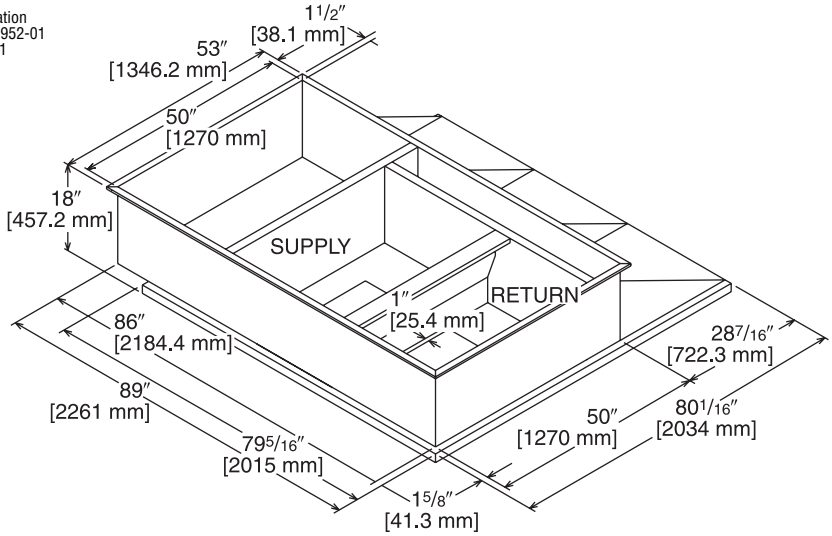
RXRX-CFCE54

Illustration
ADS-7952-01
Sheet 2



TOP VIEW

Illustration
ADS-7952-01
Sheet 1

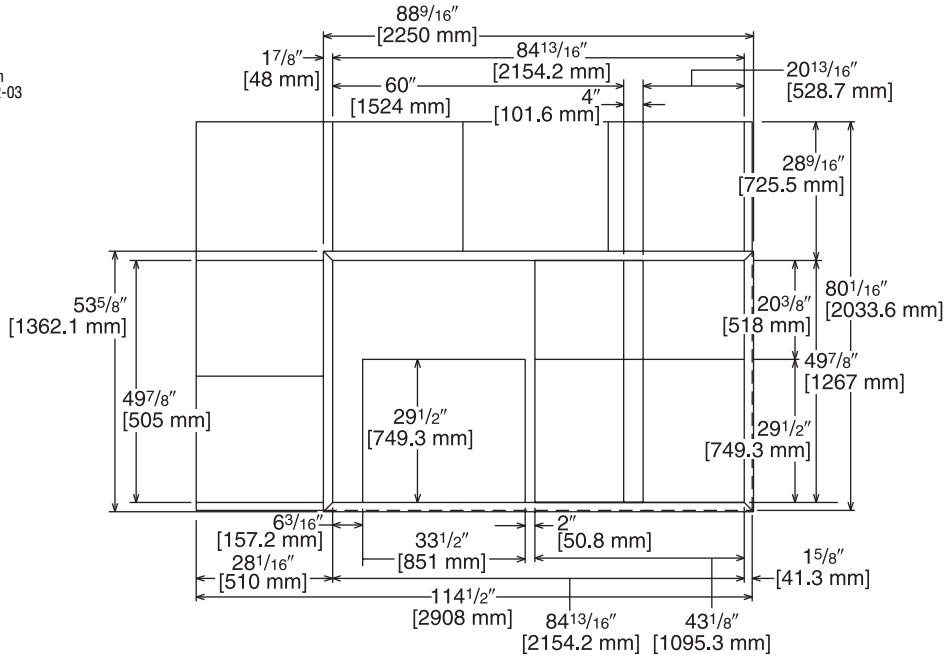


[ ] Designates Metric Conversions

ROOFCURB ADAPTERS (Cont.)

RXRX-CFCE56

Illustration
ADS-7952-03
Sheet 2



TOP VIEW

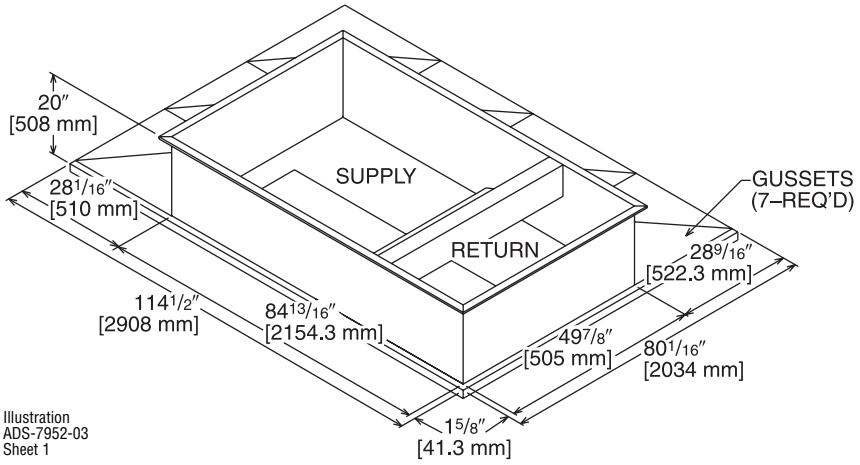


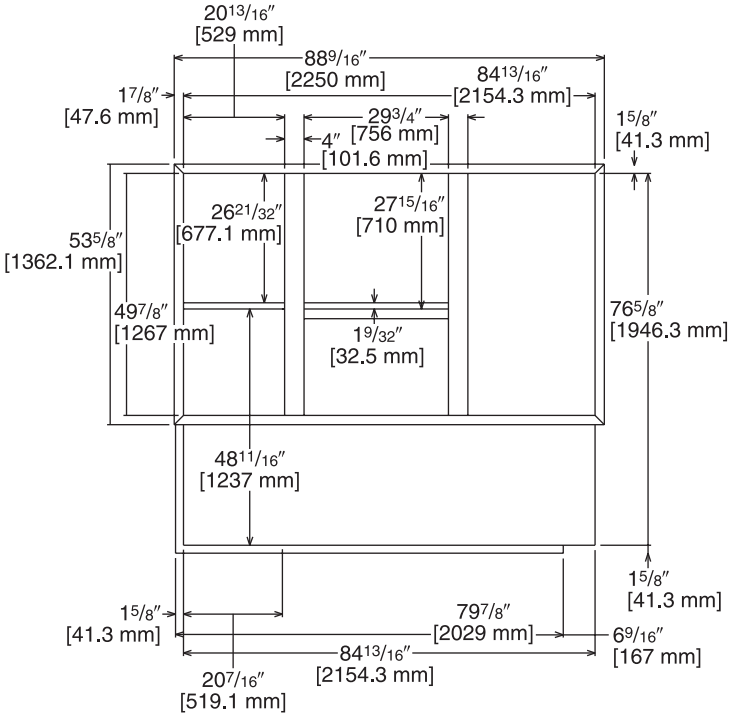
Illustration
ADS-7952-03
Sheet 1

[ ] Designates Metric Conversions

ROOFCURB ADAPTERS (Cont.)

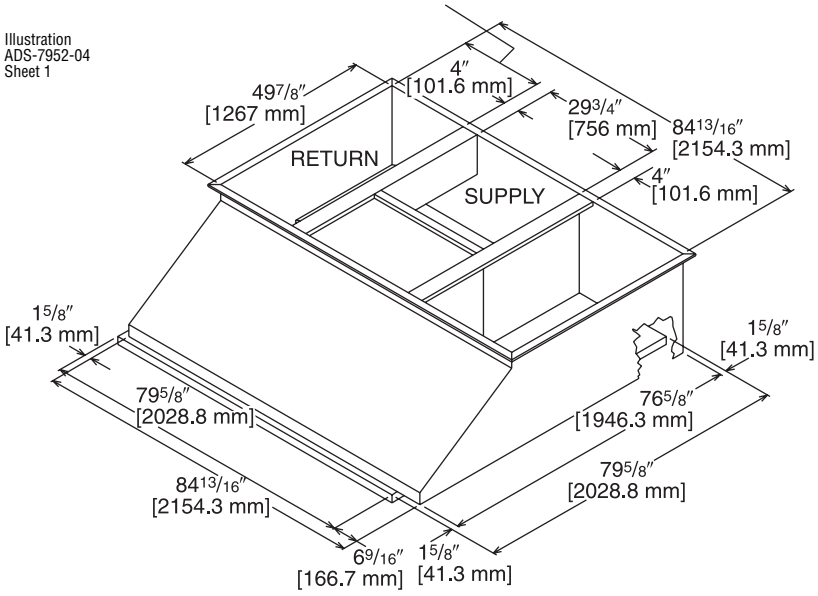
RXRX-CGCC12

Illustration
ADS-7952-04
Sheet 2



TOP VIEW

Illustration
ADS-7952-04
Sheet 1



[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER APPLICATION

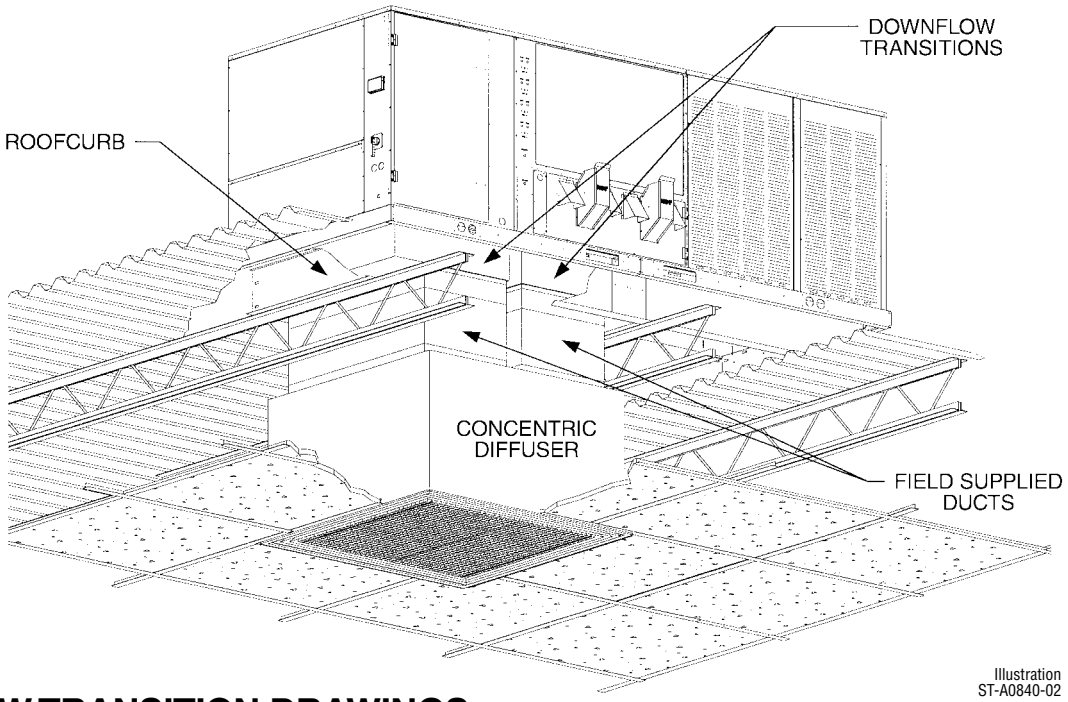


Illustration
ST-A0840-02

DOWNFLOW TRANSITION DRAWINGS

RXMC-CE05

- Used with RXRN-AA61 or RXRN-AA71 Concentric Diffusers.

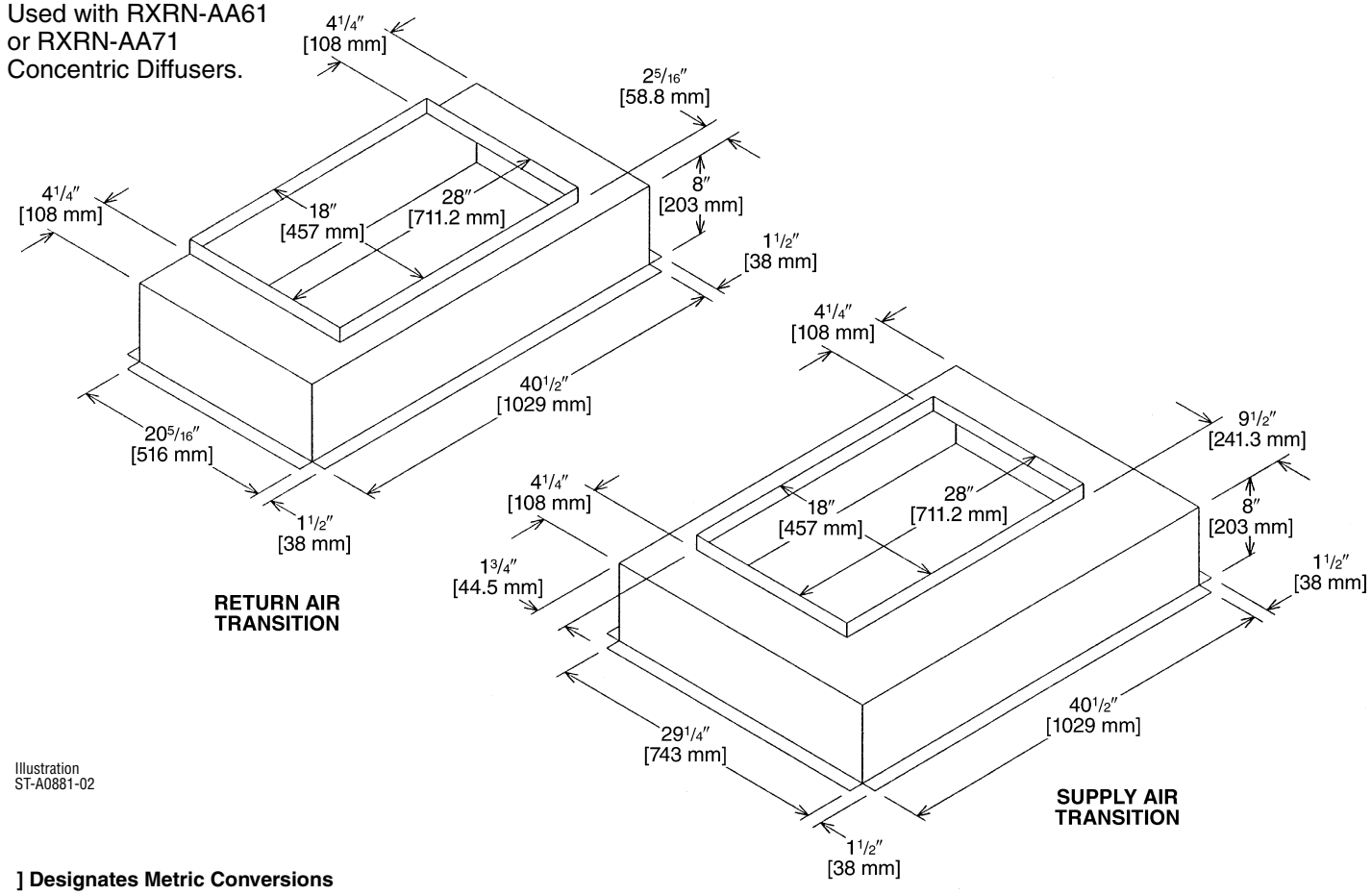


Illustration
ST-A0881-02

[ ] Designates Metric Conversions

DOWNFLOW TRANSITION DRAWINGS

RXMC-CF06

- Used with RXRN-AA66 or RXRN-AA76 Concentric Diffusers.

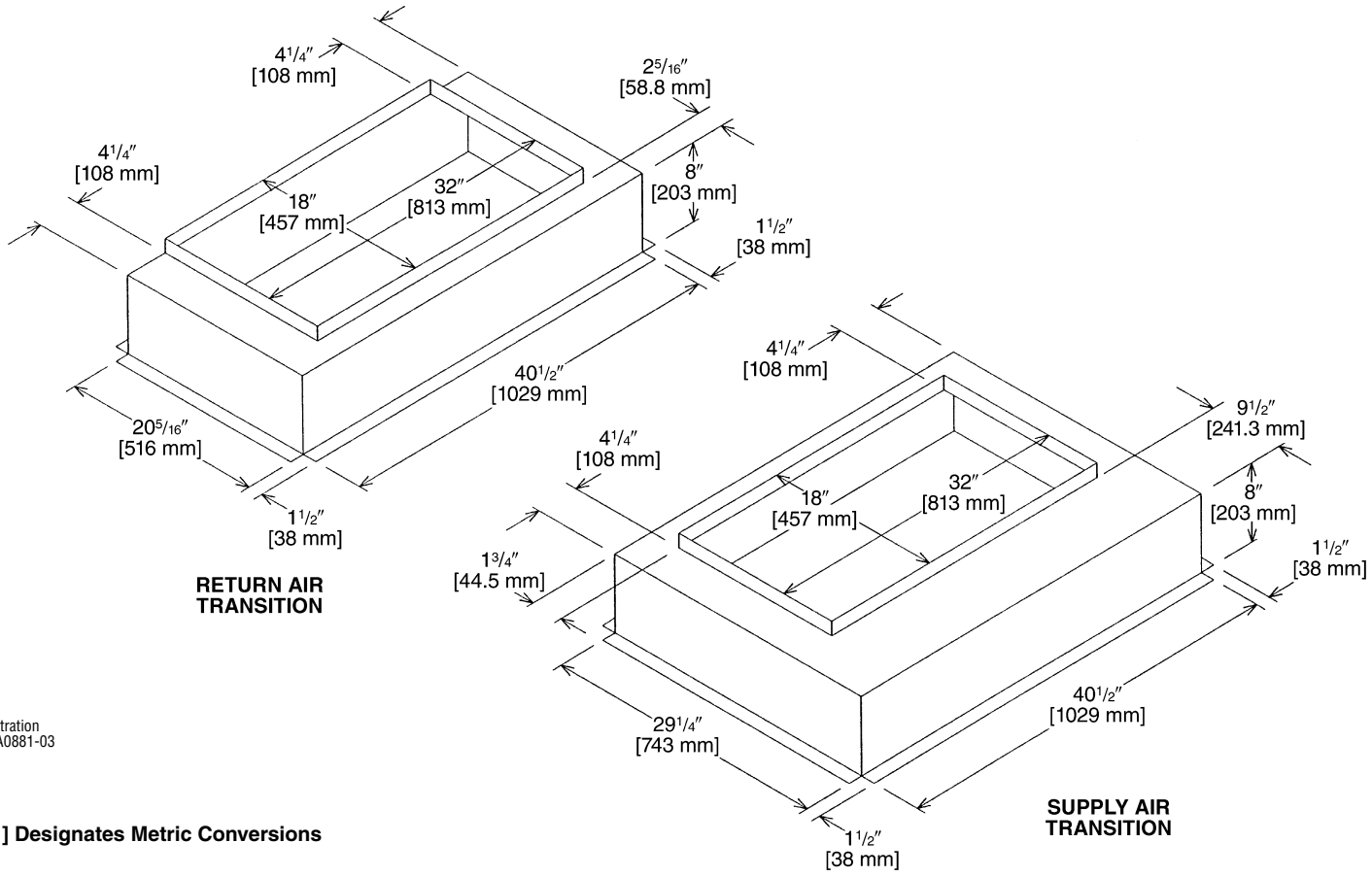


Illustration
ST-A0881-03

[ ] Designates Metric Conversions

DOWNFLOW TRANSITION DRAWINGS

RXMC-CD04

- Used with RXRN-FA65 or RXRN-FA75 Concentric Diffusers.

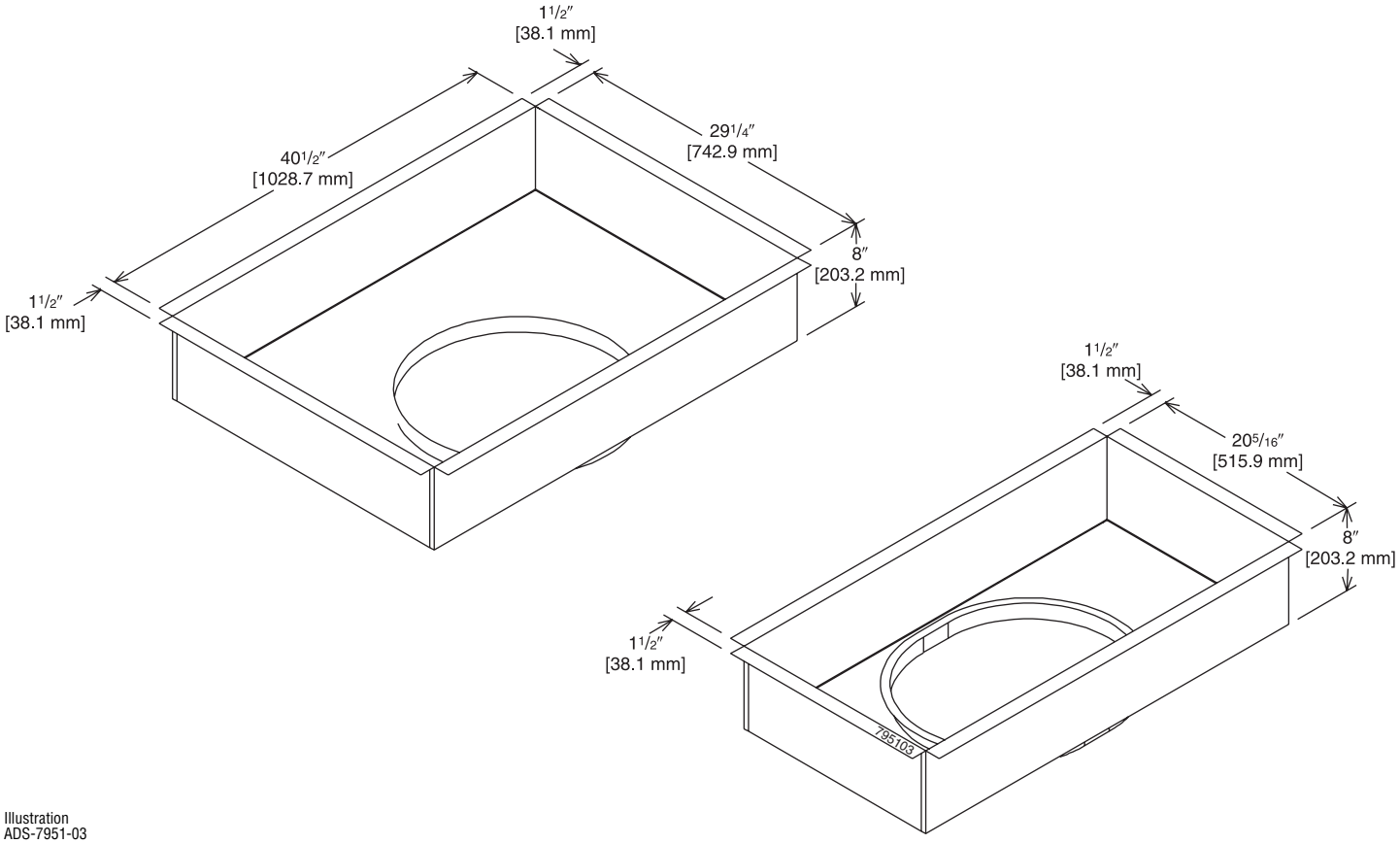


Illustration
ADS-7951-03

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER—STEP DOWN

RXRN-FA65 (7.5 & 8.5 Ton [26.4 & 29.9 kW] Models)

For Use With Downflow Transition (RXMC-CD04) and 20" [508 mm] Round Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.

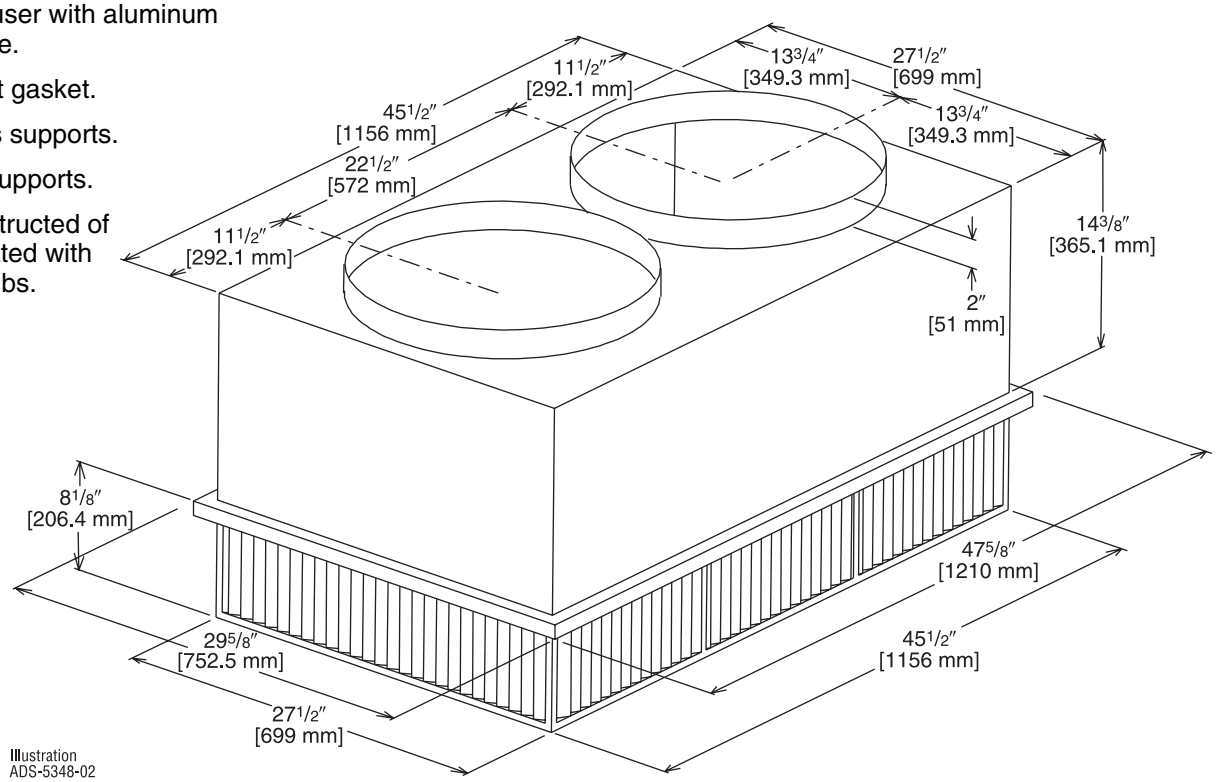


Illustration ADS-5348-02

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in. w.c. [kPa]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-FA65	2600 [1227]	0.17 [0.042]	24-29 [7.3-8.8]	669 [3.4]	20
	2800 [1321]	0.20 [0.050]	25-30 [7.6-9.1]	720 [3.7]	25
	3000 [1416]	0.25 [0.062]	27-33 [8.2-10.1]	772 [3.9]	25
	3200 [1510]	0.31 [0.077]	28-35 [8.5-10.7]	823 [4.2]	25
	3400 [1604]	0.37 [0.092]	30-37 [9.1-11.3]	874 [4.4]	30

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER—STEP DOWN 18" x 28" [457.2 x 711.2 mm]

RXRN-AA61 (8.5 & 10 Ton [29.9 kW & 35.2] Models)

For Use With Downflow Transition (RXMC-CE05) and 18" x 28" [457.2 x 711.2 mm] Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.
- Double deflection diffuser with the blades secured by spring steel.

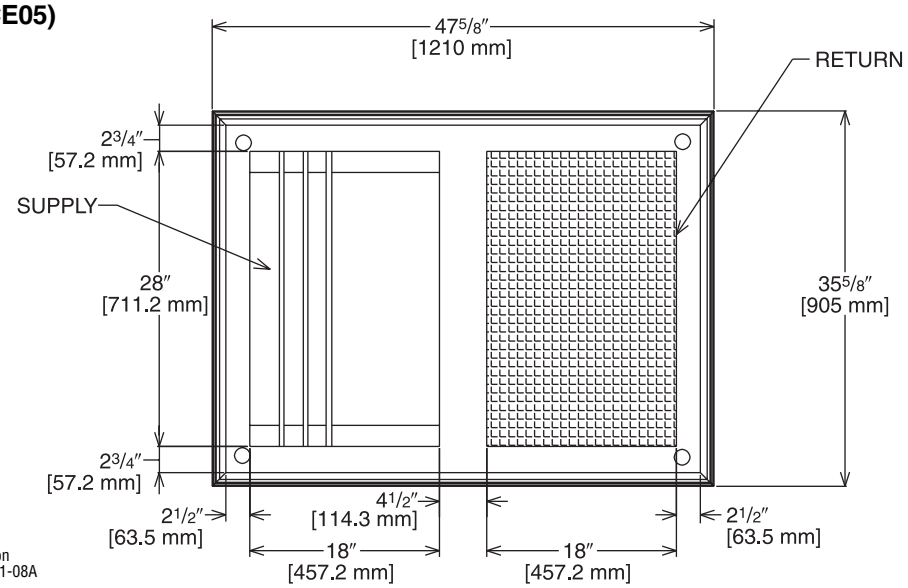


Illustration ADS-7951-08A

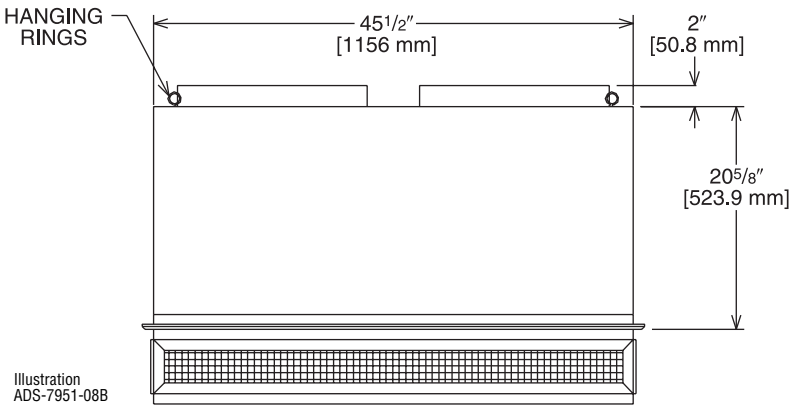


Illustration ADS-7951-08B

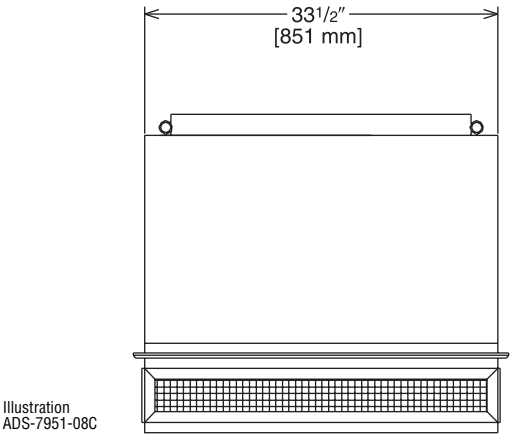


Illustration ADS-7951-08C

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in w.c. [kPa]	Throw ②③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AA61	3600 [1699]	0.17 [0.042]	25-33 [7.6-10.1]	851 [4.3]	30
	3800 [1793]	0.18 [0.045]	27-35 [8.2-10.7]	898 [4.6]	30
	4000 [1888]	0.21 [0.052]	29-37 [8.8-11.3]	946 [4.8]	30
	4200 [1982]	0.24 [0.060]	32-40 [9.8-12.2]	993 [5.0]	30
	4400 [2076]	0.27 [0.067]	34-42 [10.4-12.8]	1040 [5.3]	30

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER—STEP DOWN 18" x 32" [457.2 x 813 mm]

RXRN-AA66 (12.5 & 15 Ton [44.0 & 52.8 kW] Models)

For Use With Downflow Transition (RXMC-CF06) and 18" x 32" [457.2 x 813 mm] Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.
- Double deflection diffuser with the blades secured by spring steel.

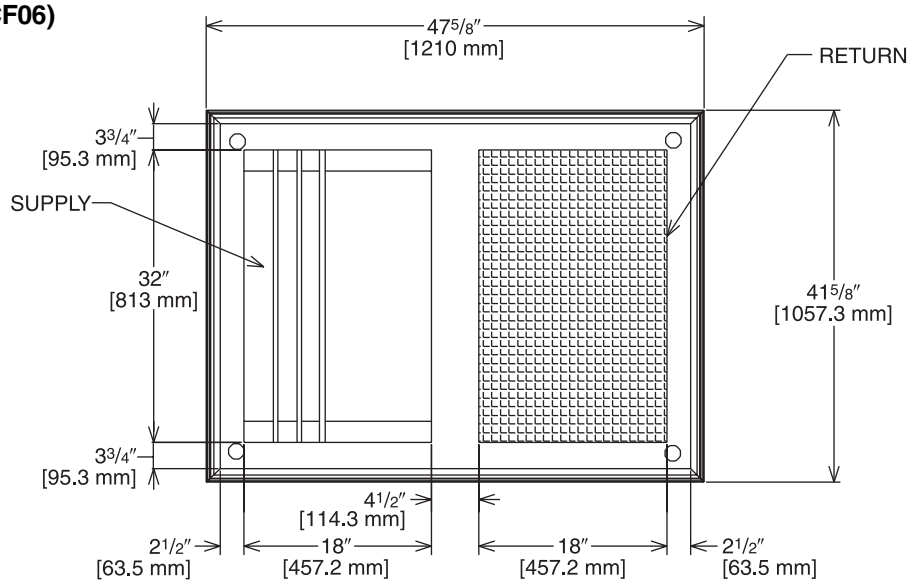


Illustration ADS-7951-09A

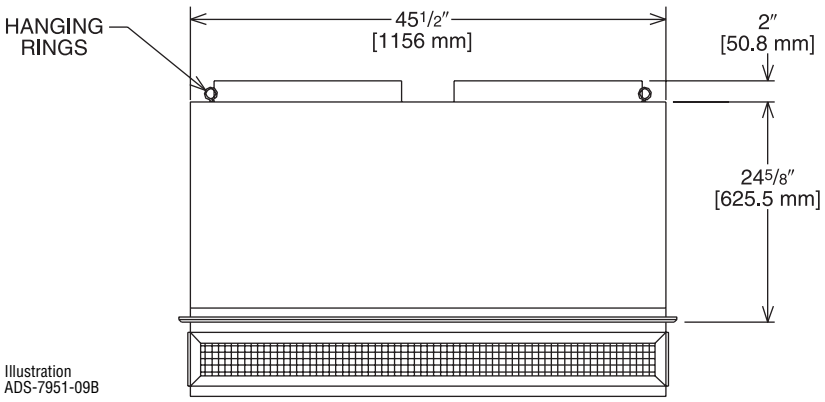


Illustration ADS-7951-09B

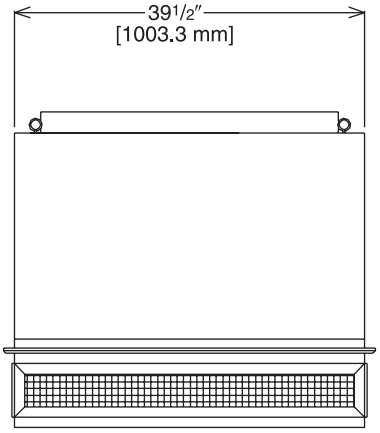


Illustration ADS-7951-09C

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in w.c. [kPa]	Throw ②③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AA66	4600 [2171]	0.31 [0.077]	26-31 [7.9-9.4]	841 [4.3]	30
	4800 [2265]	0.32 [0.080]	27-32 [8.2-9.8]	878 [4.5]	30
	5000 [2359]	0.34 [0.085]	28-33 [8.5-10.1]	915 [4.6]	30
	5200 [2454]	0.36 [0.090]	28-34 [8.5-10.4]	951 [4.8]	30
	5400 [2548]	0.39 [0.097]	29-35 [8.8-10.7]	988 [6.0]	30

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER—FLUSH

RXRN-FA75 (7.5 & 8.5 Ton [26.4 & 29.9 kW] Models)

For Use With Downflow Transition (RXMC-CD04) and 20" [508 mm] Round Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.

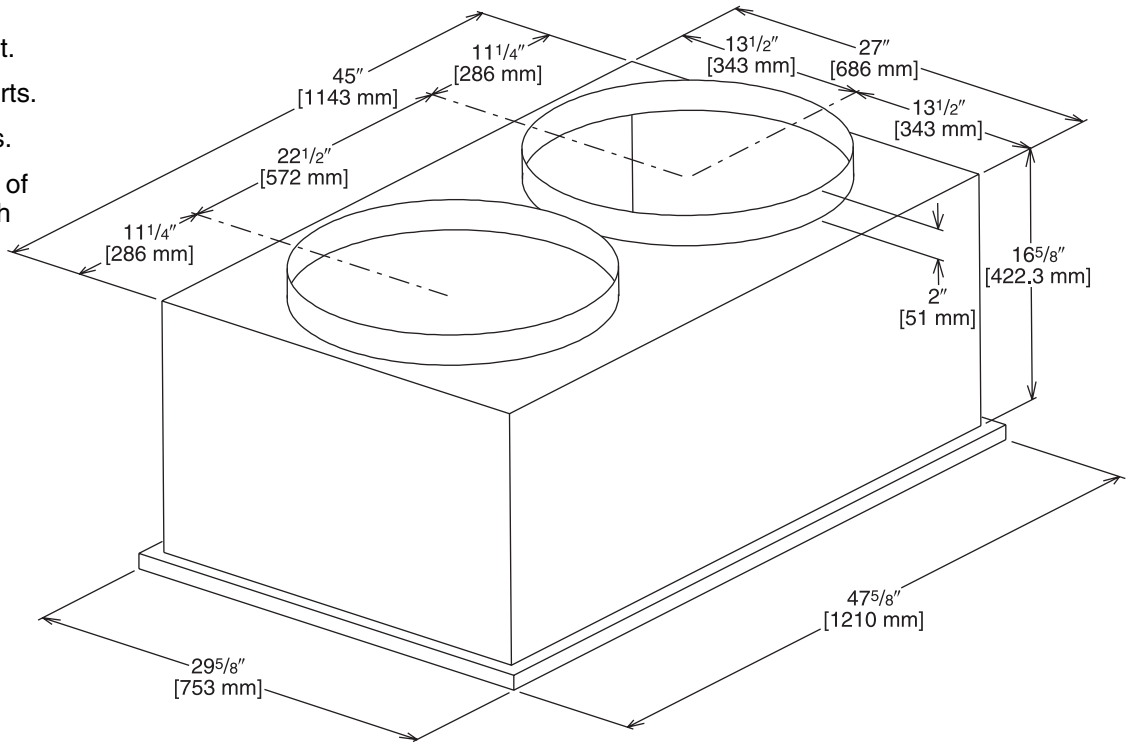


Illustration
ADS-5348-04

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in. w.c. [kPa]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-FA75	2600 [1227]	.17 [0.042]	19-24 [5.8-7.3]	663 [3.4]	30
	2800 [1321]	.20 [0.050]	20-28 [6.1-8.5]	714 [3.6]	35
	3000 [1416]	.25 [0.062]	21-29 [6.4-8.8]	765 [3.9]	35
	3200 [1510]	.31 [0.077]	22-29 [6.7-8.8]	816 [4.1]	40
	3400 [1604]	.37 [0.092]	22-30 [6.7-9.1]	867 [4.4]	40

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER—FLUSH and 18" x 28" [457.2 x 711.2 mm]

RXRN-AA71 (8.5 & 10 Ton [29.9 & 35.2] Models)

For Use With Downflow Transition (RXMC-CE05) and 18" x 28" [457.2 x 711.2 mm] Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.

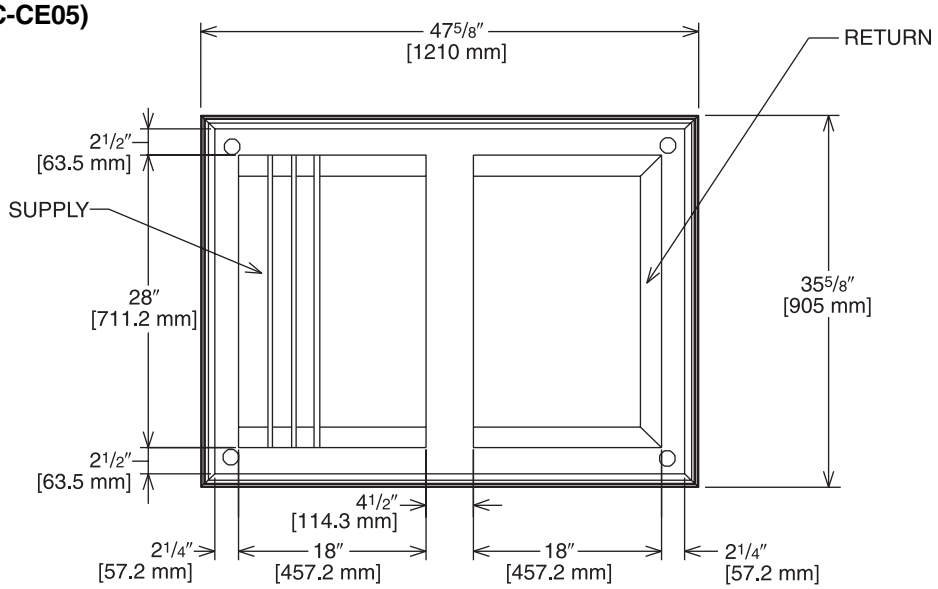


Illustration ADS-7951-06A

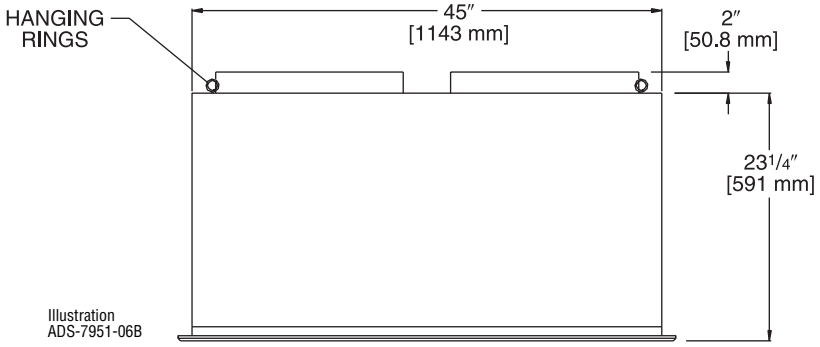


Illustration ADS-7951-06B

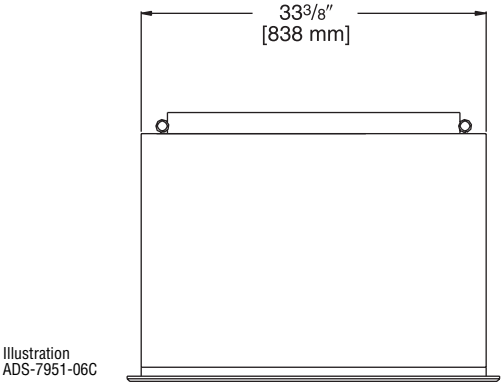


Illustration ADS-7951-06C

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in w.c. [kPa]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AA71	3600 [1699]	0.17 [0.042]	22-29 [6.7-8.8]	844 [4.3]	35
	3800 [1793]	0.18 [0.045]	22-30 [6.7-9.1]	891 [4.5]	40
	4000 [1888]	0.21 [0.052]	24-33 [7.3-10.1]	938 [4.8]	40
	4200 [1982]	0.24 [0.060]	26-35 [7.9-10.7]	985 [5.0]	40
	4400 [2076]	0.27 [0.067]	28-37 [8.5-11.3]	1032 [5.2]	40

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

CONCENTRIC DIFFUSER—FLUSH 18" x 32" [457.2 x 813 mm]

RXRN-AA76 (12.5 & 15 Ton [44.0 & 52.8 kW] Models)

For Use With Downflow Transition (RXMC-CF06) and 18" x 32" [457.2 x 813 mm] Supply and Return Ducts

- All aluminum diffuser with aluminum return air eggcrate.
- Built-in anti-sweat gasket.
- Molded fiberglass supports.
- Built-in hanging supports.
- Diffuser box constructed of sheetmetal insulated with 1" [25.4 mm] 1.5 lbs. [.7 kg] duct liner.

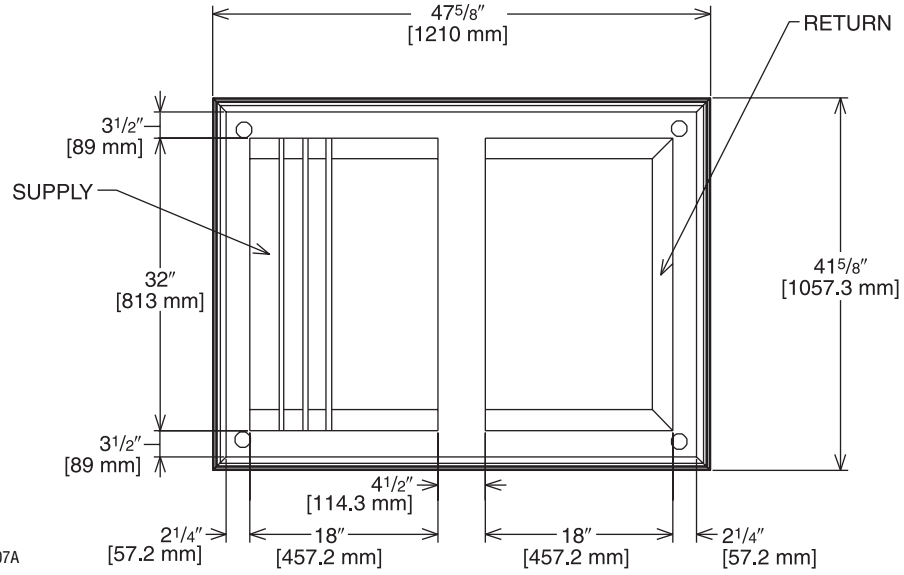


Illustration ADS-7951-07A

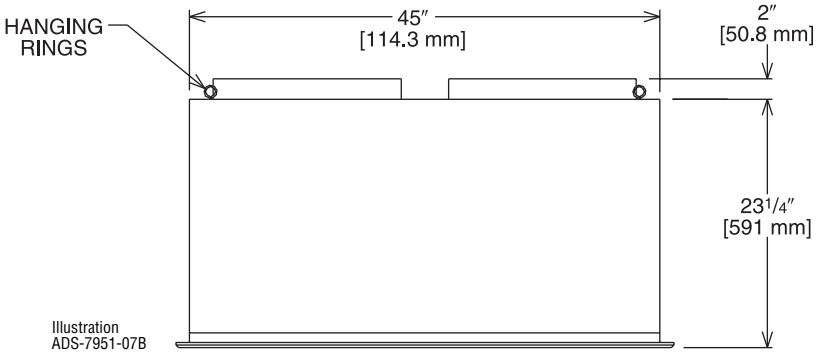


Illustration ADS-7951-07B

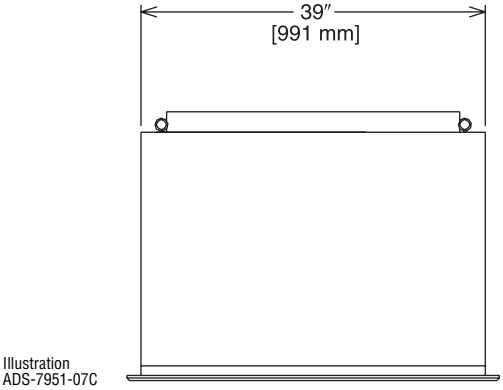


Illustration ADS-7951-07C

ENGINEERING DATA①

Model No.	Flow Rate CFM [L/s]	Static Pressure in w.c. [kPa]	Throw ② ③ Feet [m]	Neck Velocity fpm [m/s]	Noise Level ④ (dbA)
RXRN-AA76	4600 [2171]	0.31 [0.077]	25-34 [7.6-10.4]	922 [4.7]	40
	4800 [2265]	0.32 [0.080]	26-35 [7.9-10.7]	962 [4.9]	40
	5000 [2359]	0.34 [0.085]	27-36 [8.2-11.0]	1002 [5.1]	40
	5200 [2454]	0.36 [0.090]	30-39 [9.1-11.9]	1043 [5.3]	45
	5400 [2548]	0.39 [0.097]	32-41 [9.8-12.5]	1083 [5.5]	45

NOTES: ① All data is based on the air diffusion council guidelines.
② Throw data is based on 75 FPM Terminal Velocities using isothermal air.
③ Throw is based on diffuser blades being directed in a straight pattern.
④ Actual noise levels may vary due to duct design and do not include transmitted unit noise. Adequate duct attenuation must be provided to reduce sound output from the unit.

[ ] Designates Metric Conversions

General

Units shall be convertible airflow. Operating range for units with electromechanical controls shall be between 125°F (51.7°C) and 50°F (4.4°C). Cooling performance shall be rated in accordance with DOE and/or ARI testing procedures. All units shall be factory assembled, internally wired, fully charged with R-22, and 100 percent run-tested before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be UL listed and labeled, classified in accordance to ANSI-Z21.47 for gas fired central furnaces and UL 1995/CAN/CSA No. 236-M90 for central cooling air conditioners. Canadian units shall be CUL certified.

Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 1000 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit. All exposed vertical panels and top covers in the indoor air section shall be insulated with a cleanable foil faced, fire retardant permanent, odorless glass fiber material and secured with adhesive and mechanical fasteners. The base of the unit shall be insulated with foil-faced material. All insulation edges shall be either captured or sealed. The unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 1-1/8″ [28.58 mm] high downflow supply return openings to provide an added water integrity precaution. The base rails of the unit shall have provisions for forklift and crane lifting, with forklift capabilities on three sides of the unit.

Unit Top

The indoor top cover shall be one-piece construction, it shall not be double-hemmed and gasket-sealed.

Filters

Two inch [50.8 mm], throwaway filters shall be standard on all units.

Compressors

Units shall have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads shall be provided with the scroll compressors. The compressor shall have external isolation to minimize noise.

Refrigerant Circuits

Each refrigerant circuit shall have capillary tubes expansion device. Service pressure ports, shall be factory-installed as standard.

Evaporator And Condenser Coils

Internally finned, 3/8″ [9.53 mm] copper tubes mechanically bonded to a configured aluminum plate fin shall be standard. Coils shall be leak tested at the factory to ensure pressure integrity. The evaporator coil and condenser coil shall be leak tested to 200 psig and pressure tested to 450 psig. A sloped condensate drain pan shall be standard.

Gas Heating Section

The heating section shall have a tubular heat exchanger design using Rheem exclusive burners and corrosion resistant steel throughout. An induced draft combustion blower shall be used to pull the combustion products through the firing tubes. The heater shall use a direct spark ignition (DSI) system and Remote Flame Sense. On initial call for heat, the combustion blower shall purge the heat exchanger for 30 seconds before ignition after two unsuccessful ignition attempts on low fire and two unsuccessful attempts on high fire, the entire heating system shall be locked out for one hour or until manually reset at the thermostat/zone sensor. Units shall be suitable for use with natural gas or propane (field-installed kit).

Outdoor Fans

The outdoor fans shall be direct-drive statically and dynamically balanced, draw-through in the vertical discharge position. The fan motor shall be permanently lubricated and shall have built-in thermal overload protection.

Indoor Fans

All 3-phase units offer belt drive, FC centrifugal fans with adjustable motor sheaves. All motors shall be thermally protected. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).

Controls

Unit shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Units shall provide an external location for mounting a fused disconnect device.

24-volt electromechanical control circuit shall include control transformer and contactor pressure lugs for power wiring. Unit shall have single point power entry as standard.

Accessories/Option

Roof Curb—The roof curb shall be designed to mate with the unit's downflow supply and return openings and provide support and a watertight installation when installed properly. The roof curb design shall allow field-fabricated rectangular supply/return ductwork to be connected directly to the curb. Curb design shall comply with NRCA requirements. Curbs shall be shipped knocked down for toolless field assembly and shall include wood nailer strips.

Economizer—This accessory shall be either field or factory-installed and is available with barometric relief standard. The assembly includes direct drive gear driver, fully modulating 0-100 percent motor and dampers, minimum position setting, mixed air sensor, wiring harness with plug, and single enthalpy control. Optional differential enthalpy control shall be field-installed. The factory-installed economizer arrives ready for operation.

Remote Potentiometer—Field installed, the minimum position setting of economizer shall be adjusted with this accessory.

Motorized Outside Air Dampers—Field-installed manually set outdoor air dampers shall provide up to 50 percent outside air. Once set, outdoor air dampers shall open to set position when indoor fan starts. The damper shall close to the full closed position when indoor fan shuts down.

Manual Outside Air Damper—Factory or field-installed rain hood and screen shall provide up to 50 percent outside air.

Oversized Motors—Factory installed belt drive oversized motors shall be available for high static applications.

Powered Exhaust—The field installed powered exhaust, available for all units, shall provide exhaust of return air, when using an economizer, to maintain better building pressurization.

Through the Base Electrical Access—An electrical service entrance shall be factory provided allowing electrical access for both control and main power connection inside the curb and through the base of the unit. Option will allow for field installation of liquid-tight conduit and an external field-installed disconnect switch.

Through the Base Electrical with Disconnect Switch—Factory-installed 3-pole, molded case disconnect switch with provisions for through the base electrical connections are available. The disconnect switch will be installed in the unit in a water-tight enclosure with access through a hinged door. Factory wiring will be provided from the switch to the unit high voltage terminal block. The switch will be UL/CSA agency recognized. Note: The disconnect switch will be sized per NEC and UL guidelines but will not be used in place of unit over current protection.

Unpowered Convenience—This factory-installed option is a GFCI, 120v/15amp, 2 plug, and convenience outlet, unpowered. When the convenience outlet is powered, a service receptacle disconnect will be available. The convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker. This option can only be ordered with the Disconnect Switch.

Through the Base Gas Piping—The unit shall include a standard through the base gas provision.

Freeze/Clogged Filter Switches—This factory or field-installed option allows for individual fan failure or dirty filter protection. If indoor coil gets too cold due to low airflow, compressor operation will be temporarily interrupted.

Enthalpy Control—Single Enthalpy Control shall be standard for all economizers. Enthalpy control offers a higher level of comfort control, along with energy savings potential, than the standard dry bulb control. This is due to the additional wet bulb sensing capability.

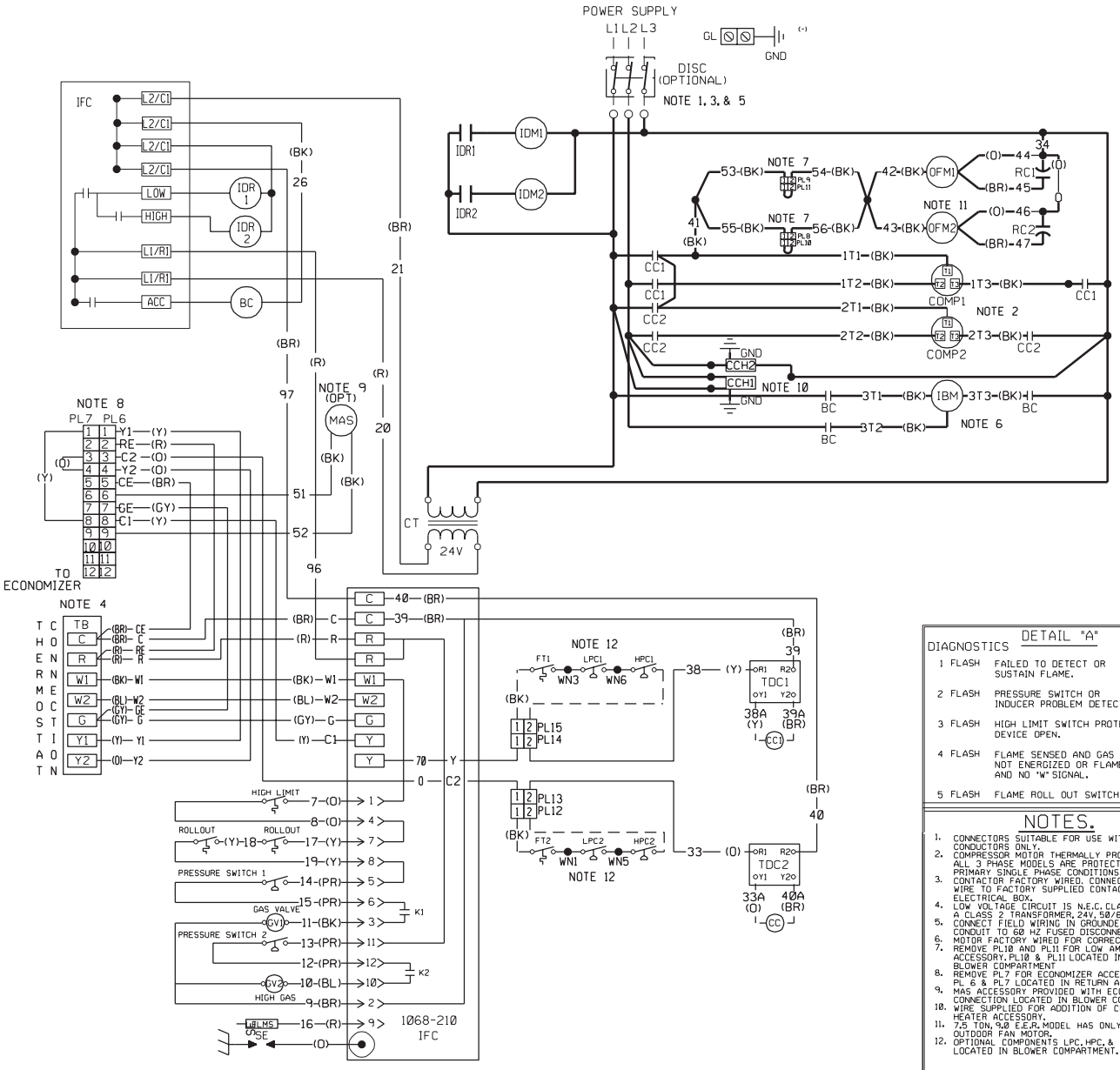
High Pressure Cutout—This factory or field installed option is offered for units that do not have high pressure cutout as standard. All scroll compressors shall include Internal Pressure Relief as standard.

Hinged Access Doors—Stainless steel metal hinges are standard on the Filter/Electrical Access Door and Heat Exchanger door.

Thermostats—Two stage heating and cooling operation shall be available, for field installation, in either manual or automatic changeover. Automatic programmable electronic with night set back shall also be available.

Differential Enthalpy—Adds on to the standard single control with other enthalpy sensors that compare total heat content of the indoor air and outdoor air to determine the most efficient air source. This control option offers the highest level of comfort control, plus energy efficiency available.

Low Ambient Cooling—Electromechanical models have cooling capabilities to 40°F as built, or to 0°F by adding the optional low ambient (frostat) control.



DIAGNOSTICS — DETAIL "A"

1 FLASH	FAILED TO DETECT OR SUSTAIN FLAME.
2 FLASH	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH	FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH	FLAME ROLL OUT SWITCH OPEN.

NOTES.

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
4. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
5. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
6. MOTOR FACTORY WIRED FOR CORRECT VOLTAGE.
7. REMOVE PL10 AND PL11 FOR LOW AMBIENT ACCESSORY. PL10 & PL11 LOCATED IN BLOWER COMPARTMENT
8. REMOVE PL7 FOR ECONOMIZER ACCESSORY. PL 6 & PL7 LOCATED IN RETURN AIR SECTION.
9. MAS ACCESSORY PROVIDED WITH ECONOMIZER. CONNECTION LOCATED IN BLOWER COMPARTMENT.
10. WIRE SUPPLIED FOR ADDITION OF CRANKCASE HEATER ACCESSORY.
11. 7.5 TON, 9.0 E.E.R. MODEL HAS ONLY ONE OUTDOOR FAN MOTOR.
12. OPTIONAL COMPONENTS LPC, HPC, & FT LOCATED IN BLOWER COMPARTMENT.

DWG. NO. 90-42517-20
REV 01

COMPONENT CODE

BC	BLOWER CONTACTOR	MAS	MIX AIR SENSOR
CC	COMPRESSOR CONTACTOR	MRLC	MANUAL RESET LIMIT CONTROL
CCH	CRANKCASE HEATER	NPC	NEGATIVE PRESSURE CONTROL
COMP	COMPRESSOR	OFM	OUTDOOR FAN MOTOR
CT	CONTROL TRANSFORMER	RC	RUN CAPACITOR
DISC	DISCONNECT SWITCH	SE	SPARK ELECTRODE
FLMS	FLAME SENSOR	TB	TERMINAL BLOCK
FT	FREEZE STAT	TDC	TIME DELAY CONTROL
GFCO	GROUND FAULT CONVENIENCE OUTLET	PL	PLUG
GL	GROUND LUG		
GND	GROUND		
GV	GAS VALVE		
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR BELT DRIVE		
IDM	INDUCED DRAFT MOTOR		
IDR	INDUCER RELAY		
IFC	INTERGRATED FURNACE CONTROL		
LC	LIMIT CONTROL		
LPC	LOW PRESSURE CONTROL		

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., AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

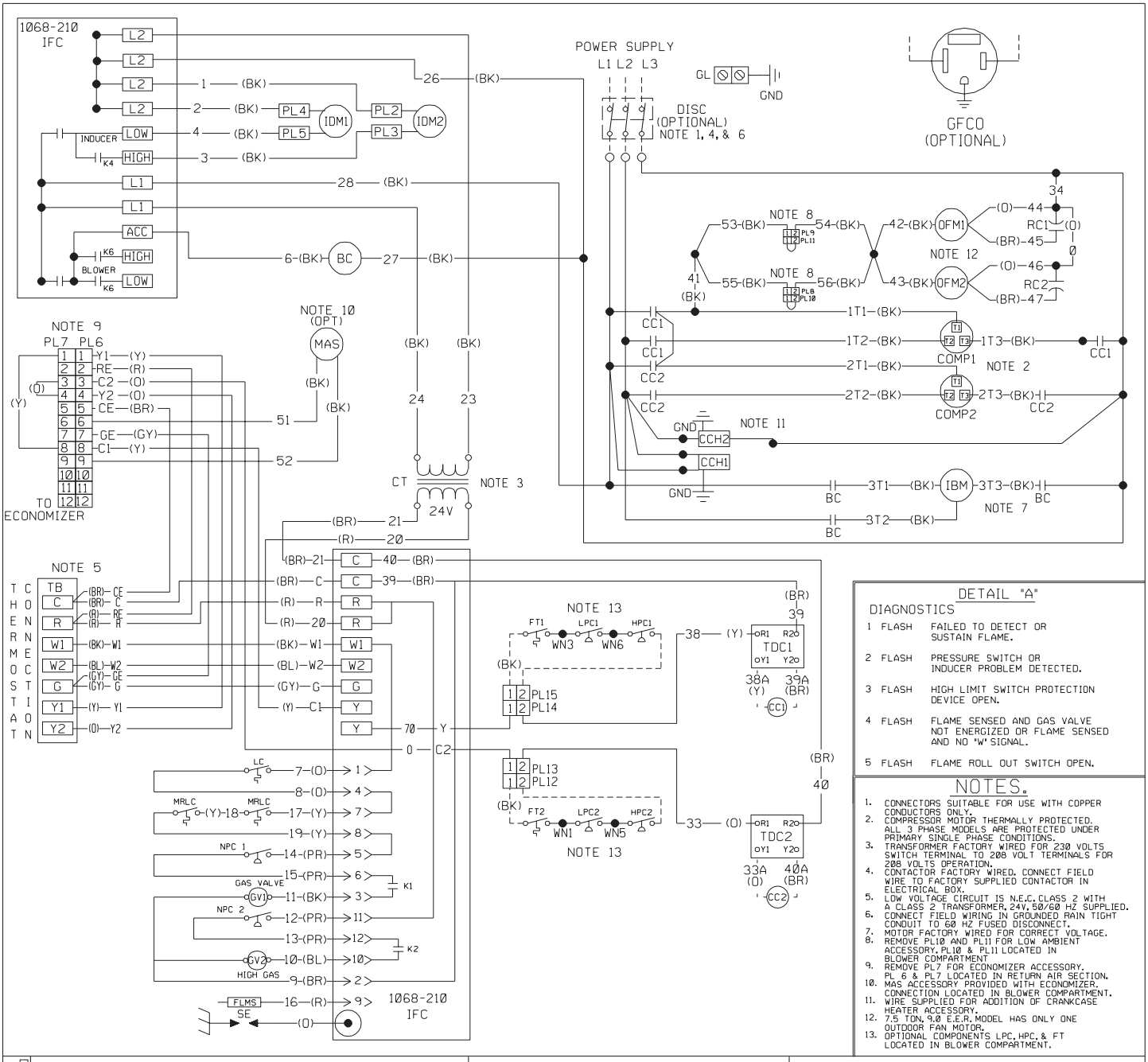
BK__BLACK	O___ORANGE
BR__BROWN	PR__PURPLE
BL__BLUE	R___RED
G___GREEN	W___WHITE
GY__GRAY	Y___YELLOW

WIRING SCHEMATIC

460/3/60 & 380/415/3/50

ROOFTOP

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		3-26-01	90-42517-20	01



DETAIL "A"

DIAGNOSTICS

1	FLASH	FAILED TO DETECT OR SUSTAIN FLAME.
2	FLASH	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3	FLASH	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4	FLASH	FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO 'W' SIGNAL.
5	FLASH	FLAME ROLL OUT SWITCH OPEN.

NOTES.

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. TRANSFORMER FACTORY WIRED FOR 230 VOLTS SWITCH TERMINAL TO 208 VOLT TERMINALS FOR 208 VOLTS OPERATION.
4. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
7. MOTOR FACTORY WIRED FOR CORRECT VOLTAGE.
8. REMOVE PL10 AND PL11 FOR LOW AMBIENT ACCESSORY. PL10 & PL11 LOCATED IN BLOWER COMPARTMENT
9. REMOVE PL7 FOR ECONOMIZER ACCESSORY. PL 6 & PL7 LOCATED IN RETURN AIR SECTION.
10. MAS ACCESSORY PROVIDED WITH ECONOMIZER. CONNECTION LOCATED IN BLOWER COMPARTMENT.
11. WIRE SUPPLIED FOR ADDITION OF CRANKCASE HEATER ACCESSORY.
12. 7.5 TON, 9.0 E.E.R. MODEL HAS ONLY ONE OUTDOOR FAN MOTOR.
13. OPTIONAL COMPONENTS LPC, HPC, & FT LOCATED IN BLOWER COMPARTMENT.

DWG. NO. 90-42517-04

REV 07

COMPONENT CODE

BC	BLOWER CONTACTOR	MRLC	MANUAL RESET LIMIT CONTROL
CC	COMPRESSOR CONTACTOR	NPC	NEGATIVE PRESSURE CONTROL
CCH	CRANKCASE HEATER	OFM	OUTDOOR FAN MOTOR
COMP	COMPRESSOR	RC	RUN CAPACITOR
CT	CONTROL TRANSFORMER	SE	SPARK ELECTRODE
DISC	DISCONNECT SWITCH	TB	TERMINAL BLOCK
FLMS	FLAME SENSOR	TDC	TIME DELAY CONTROL
FT	FREEZE STAT	PL	PLUG
GFCO	GROUND FAULT CONVENIENCE OUTLET		
GL	GROUND LUG		
GND	GROUND		
GV	GAS VALVE		
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR BELT DRIVE		
IDM	INDUCED DRAFT MOTOR		
IFC	INTERGRATED FURNACE CONTROL		
LC	LIMIT CONTROL		
LPC	LOW PRESSURE CONTROL		
MAS	MIX AIR SENSOR		

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., AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

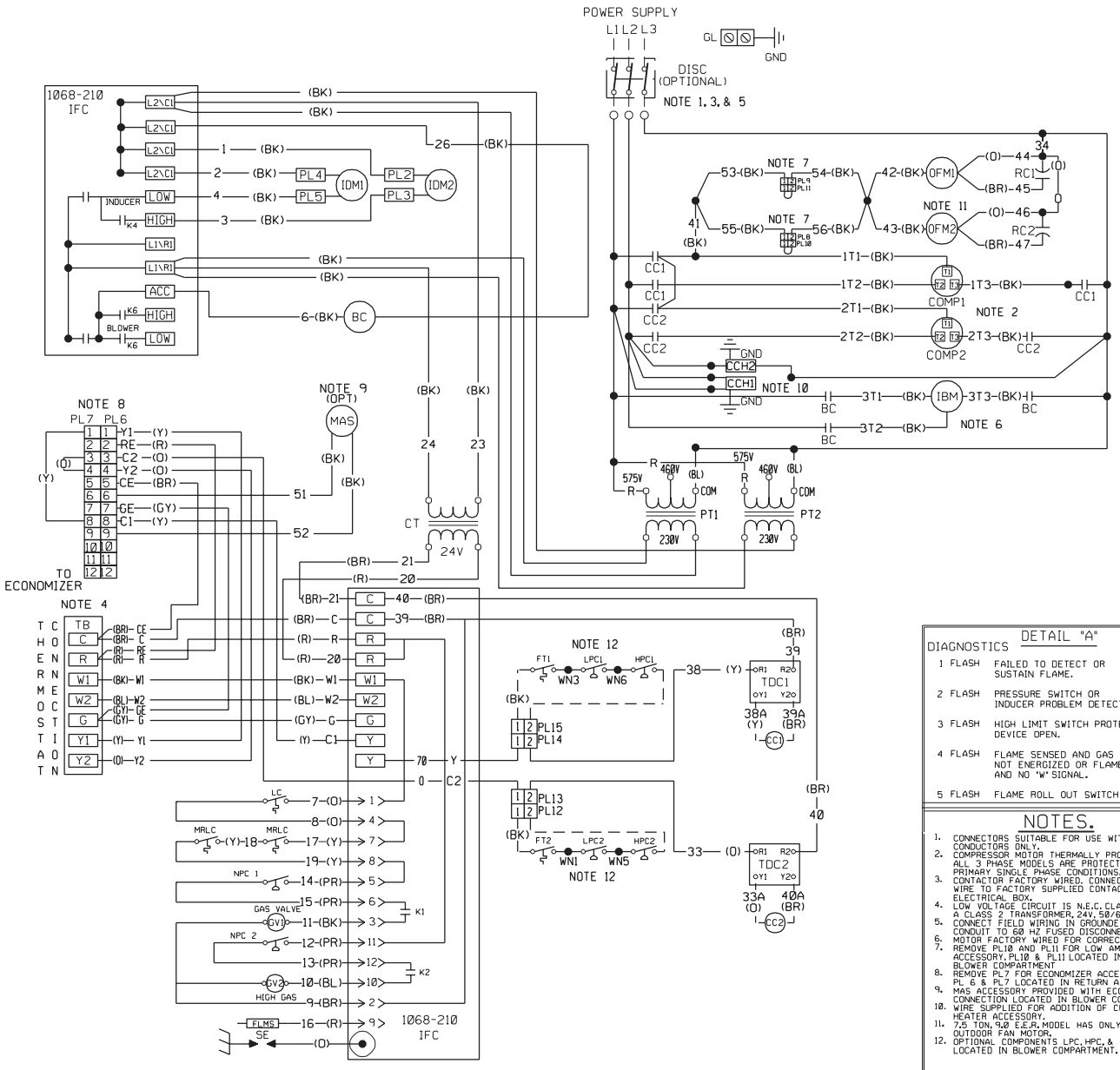
BK	BLACK	O	ORANGE
BR	BROWN	PR	PURPLE
BL	BLUE	R	RED
G	GREEN	W	WHITE
GY	GRAY	Y	YELLOW

WIRING SCHEMATIC

208-230/3/60 & 200-220/3/50

ROOFTOP

DR. BY	APP. BY	DATE	DWG. NO.	REV
DAS		8-12-97	90-42517-04	07



DIAGNOSTICS — DETAIL "A"

1 FLASH	FAILED TO DETECT OR SUSTAIN FLAME.
2 FLASH	PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH	HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH	FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH	FLAME ROLL OUT SWITCH OPEN.

NOTES.

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTACTOR FACTORY WIRED. CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
4. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER. 24V, 50/60 HZ SUPPLIED.
5. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
6. MOTOR FACTORY WIRED FOR CORRECT VOLTAGE.
7. REMOVE PL10 AND PL11 FOR LOW AMBIENT ACCESSORY. PL10 & PL11 LOCATED IN BLOWER COMPARTMENT
8. REMOVE PL7 FOR ECONOMIZER ACCESSORY. PL 6 & PL7 LOCATED IN RETURN AIR SECTION.
9. MAS ACCESSORY PROVIDED WITH ECONOMIZER. CONNECTION LOCATED IN BLOWER COMPARTMENT.
10. WIRE SUPPLIED FOR ADDITION OF CRANKCASE HEATER ACCESSORY.
11. 7.5 TON, 9.0 E.E.R. MODEL HAS ONLY ONE OUTDOOR FAN MOTOR.
12. OPTIONAL COMPONENTS LPC, HPC, & FT LOCATED IN BLOWER COMPARTMENT.

DWG. NO. 90-42517-06 REV 09

COMPONENT CODE

BC	BLOWER CONTACTOR	MRLC	MANUAL RESET LIMIT CONTROL
CC	COMPRESSOR CONTACTOR	NPC	NEGATIVE PRESSURE CONTROL
CCH	CRANKCASE HEATER	OFM	OUTDOOR FAN MOTOR
COMP	COMPRESSOR	RC	RUN CAPACITOR
CT	CONTROL TRANSFORMER	SE	SPARK ELECTRODE
DISC	DISCONNECT SWITCH	TB	TERMINAL BLOCK
FLMS	FLAME SENSOR	TDC	TIME DELAY CONTROL
FT	FREEZE STAT	PL	PLUG
GFCO	GROUND FAULT CONVENIENCE OUTLET		
GL	GROUND LUG		
GND	GROUND		
GV	GAS VALVE		
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR BELT DRIVE		
IDM	INDUCED DRAFT MOTOR		
IFC	INTERGRATED FURNACE CONTROL		
LC	LIMIT CONTROL		
LPC	LOW PRESSURE CONTROL		
MAS	MIX AIR SENSOR		

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., 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

WIRING SCHEMATIC

575 VOLT, 3 PH., 60 HZ.

ROOFTOP

DR. BY	APP. BY	DATE	DWG. NO.	REV
DAS		8-12-97	90-42517-06	09

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

GENERAL TERMS OF LIMITED WARRANTY

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

Heat Exchanger .....Ten (10) Years

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Condenser Coil and Evaporator Coil leaks caused by factory defects .....One (1) Year
Compressor .....Five (5) Years
*Any Other Part .....One (1) Year

***All other parts and components carry a limited warranty of five years, provided they are single-phase products installed in a residential application.**

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

Rheem Heating, Cooling and Water Heating

P.O. Box 17010, Fort Smith, AR 72917

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

PRINTED IN U.S.A. 4-08 DC

FORM NO. R11-833 REV. 2
Supersedes Form No. R11-833 Rev. 1