RHEEM PACKAGE GAS/ELECTRIC

www.rheemac.ca

Available in Northern Alberta, Saskatchewan, Manitoba, and Northwestern Ontario.

Contact your local ECCO Sales Branch for pricing and for specifications check www.rheemac.ca.

ISO 9001:2000
Certificate Number: 30164

RKKA and RKNA Models Only

ARI PERFORMANCE CERTIFIED

ARI Standard 210/240 UAC

RKKA and RKNA Models Only

ARI PERFORMANCE CERTIFIED

ARI Standard 340/360

RKKA Models Only

ENERGUIDE

RKKA Models Only

ENERGY STAR PARTNER

RKNB Model Only

ISO 9002
Certificate Number: 30164

RKKB Models Only

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Single Phase Models Only (RKNA)

Rated in Accordance with A.R.I. Standard 210 and 360 (RKKB)

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RHEEM PACKAGE GAS/ELECTRIC

RKKA SERIES — 3 – 7.5 TONS

Engineering Features

RKKA

- All models feature Copeland®Scroll® compressors offering maximum reliability, efficiency, and quiet operation. The 6 and 7.5 ton model features two-stage cooling.
- Aluminized steel heat exchanger with in-shot burners helps eliminate corrosion. Stainless steel heat exchangers optional.
- Integrated blower/burner control board with built-in diagnostic capability permits on-site troubleshooting.
- One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" raised flanges for supply/return air connections provides superior water management.
- Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements.
- Standard full perimeter forkable 14 gauge baserail with lifting holes for easier maneuvering and installations.
- Factory installed one-inch throw away filter with provisions for two-inch filter and two-inch filters for 7.5 ton models.
- Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches of external static pressure. 6 and 7.5 ton models available with belt drive only.
- Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
- Number and color coded wiring helps facilitate servi ce and maintenance.
- Common cabinet and components allows for installation flexibility and fewer parts to inventory.
- Standard freezestat control offers evaporator coil freeze protection. (Optional for 7.5 ton models).
- Standard high and low pressure controls on high efficiency models and a factory or field installed option on standard efficiency models.
- Externally mounted refrigerant gauge ports for easy service diagnostics.
- Side and base electric power and gas connection entry helps minimize roof penetrations.
- Quick assembly common roof curbs helps save field labor and maximize size flexibility.
- Easy to install, plug-in, slip-in, 100% fully modulating economizers.
- Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test.

RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Model Identification

R K K A — A 036 C K 08 E X X X

- Economizer Option (See Next Page)
- Factory Installed Options (See Next Page)
- Ignition System
  - E = Electric Ignition, 1 Stage Gas Valve, NO_x
  - X = Electric Ignition, 1 Stage Gas Valve
  - T = Electric Ignition, Two-Stage Gas Valve (A085 Only)
- Heating Capacity (MBH)
  - 08 = 80,000 [23.5]
  - 10 = 100,000 [29.3]
  - 12 = 120,000 [35.2]
  - 13 = 135,000 [39.6]
- Drive Package
  - K = Direct Drive
  - L = Belt Drive
  - M = Belt Drive—High Static
- Electrical Designation
  - C = 208-230 V, 3 PH, 60 Hz
  - D = 460 V, 3 PH, 60 Hz
  - Y = 575 V, 3 PH, 60 Hz
- Cooling Capacity (BTUH) [kW]
  - 036 = 36,000 [10.55]
  - 042 = 42,000 [12.31]
  - 048 = 48,000 [14.07]
  - 060 = 60,000 [17.58]
  - 072 = 72,000 [21.10]
  - 073 = 72,000 [21.10]
  - 085 = 85,000 [24.91]
- Future Technical Variations
- Design Series
  - A =1st Design
- Efficiency Designation
  - K = Standard Efficiency (10 SEER) ASHRAE 90.1-1989 Compliant
  - M = High Efficiency (12 SEER) EnergyStar Compliant
- Product Classification
  - K = Rooftop—Commercial
- Tradebrand
  - R = Rheem Package Gas/Electric

[ ] Designates Metric Conversions

RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Factory Installed Option Codes

(3-5 TON AND 7.5 TON) [10.6-17.6 kW and 26.4 kW] (A036, A042, A048, A060, A085)

Option Code	High and Low Pressure	Hail Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow	Reduced Height Baserails
AA	No Options						
AC	x						
AD		x					
AE			x				
AH				x			
AJ					x		
AK						x	
AL							x
BB	x	x					
BE	x		x				
BF		x		x			
BG		x			x		
BH			x	x			
BS		x				x	
BU	x					x	
BV					x	x	
BX		x					x
CA	x	x			x		
CB	x	x	x				
CE	x	x				x	
CP	x	x					x
DA	x	x	x	x			
DB	x	x	x		x		
EB	x	x	x	x	x		

Example: RKKA-A060CL13E**XX**X *(where **XX** is factory installed option)*
Example: No Options
RKKA-A060CL13E
Example: No option with factory installed economizer
RKKA-A060CL13EAAB
Example: Options with high and low pressure and hailguard, no factory installed economizer
RKKA-A060CL13EBBA
Example: Options same as above with factory installed economizer
RKKA-A060CL13EBBB

[ ] Designates Metric Conversions

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RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Factory Installed Option Codes for RKKA (6 Ton) [21.1 kW] (A073)

Option Code	Hail Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow	Reduced Height Baserails
AA	No Options					
AD	x					
AE		x				
AH			x			
AJ				x		
AK					x	
AL						x
BC	x	x				
BF	x		x			
BG	x			x		
BH		x	x			
BS	x				x	
BV				x	x	
BX	x					x
CF	x	x	x			
CG	x	x		x		
DC	x	x	x	x		

Example: RKKA-A073CL13E**XX**X *(where **XX** is factory installed option)*
Example: No Options
RKKA-A073CL13E
Example: No option with factory installed economizer
RKKA-A073CL13EAAB
Example: Options with hailguard, low ambient and time delay with no factory installed economizer
RKKA-A073CL13EBCA
Example: Options same as above with factory installed economizer
RKKA-A073CL13EBCB

[ ] Designates Metric Conversions

Economizer Selection

ECONOMIZER SELECTION FOR RKKA & RKMA, RKMB & RKNB (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.

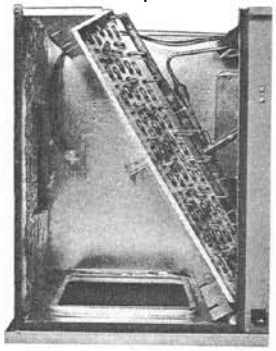
[ ] Designates Metric Conversions

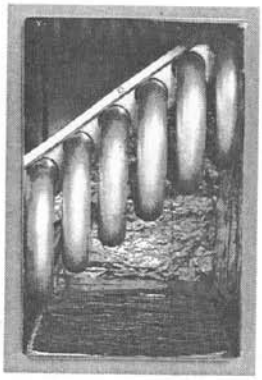
RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Product Features

Evaporator Coil/Filter Access

- Return air filters, normally provided, are removed in this photo.



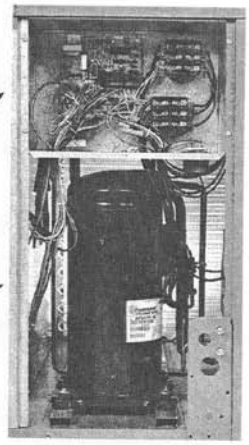


Tubular Heat Exchanger

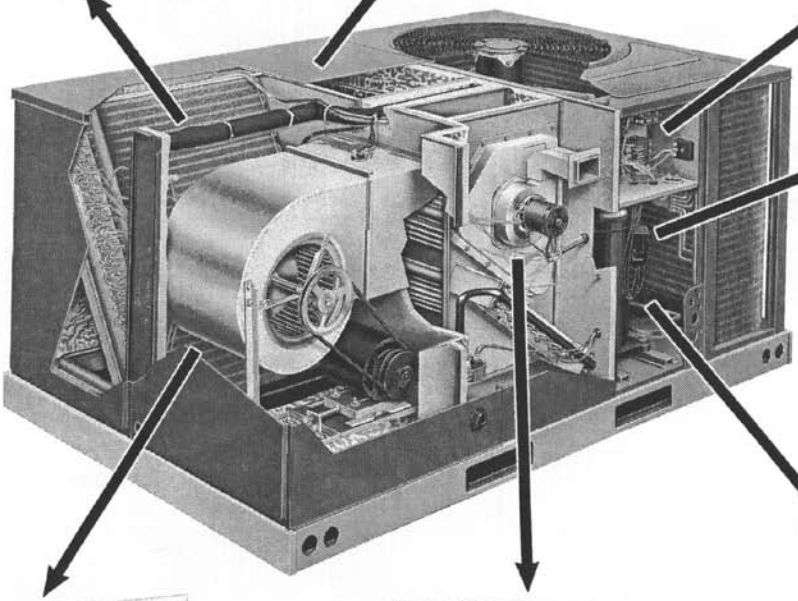
- Aluminized steel (viewed from supply air side panel.)
- Stainless steel available

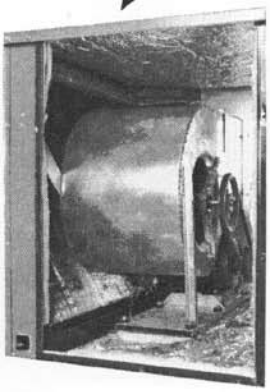
- Non-corrosive plastic condensate pan

Control Box Access



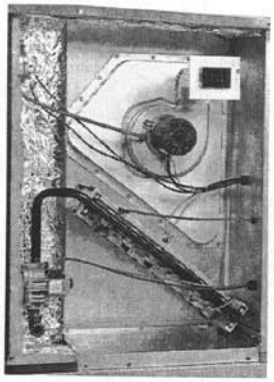
Compressor Access (3 to 6 ton Models)



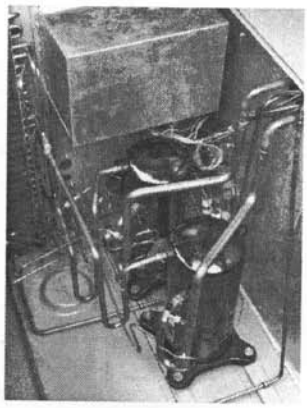


Blower Access

- Belt drive model shown (available on 3-phase models only.)



Heating Compartment Access



Compressor Access (7.5 ton Models)

- Dual compressors (available in 6 and 7.5 ton models only) provide two-stage cooling.

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RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Selection Procedure — Example

1. **Determine cooling and heating requirements at design conditions.**
   Example:
   Total cooling capacity .....43,600 BTUH [12.78 kW]
   Sensible cooling capacity .....34,000 BTUH [9.96 kW]
   Heating capacity .....96,000 BTUH [28.13 kW]
   Condenser entering air .....95°F [35°C]
   Evaporator entering air .....63°F [17°C] wb/76°F [24°C] db
   Indoor air flow .....1600 CFM [755 L/s]
   External static pressure.....1.1 in wg
   Required efficiency .....12 SEER
2. **Select unit to meet cooling requirements.**
   Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 12 SEER efficiency level, enter cooling performance from the RKKA-A048 at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:
   Total capacity .....46,600 BTUH [13.66 kW]
   Power input .....4.2 kW
   And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:
   Sensible capacity .....36,646 BTUH [10.74 kW]
3. **Select heating capacity of the unit.**
   In the general data tables, note that the heating capacity of the 4 ton [14.07 kW] model with the 135,000 input heater can deliver 106,500 BTUH [31.21 kW], which is suitable for this application.
4. **Determine blower speed and power to meet the system requirements.**
   At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance data at 1600 CFM [755 L/s] and 1.1 in wg ESP:
   RPM 1195
   Watts.....755
   Drive .....M
5. **Calculate indoor blower BTUH heat effect.**
   BTUH = Watts x 3.413 = 2577
6. **Calculate net cooling capacities.**
   Net total cooling = 46,600 – 2577 = 44,023 BTUH [12.90 kW]
   Net sensible cooling = 36,646 – 2577 = 34,069 BTUH [9.98 kW]

[ ] Designates Metric Conversions

For more information, please contact your ECCO Sales Representative.

RKKA Series

RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Side and Bottom Discharge — Natural Gas — 1 Phase

STOCK #	MODEL	COOLING	FREQUENCY(Hz) VOLTAGE	INPUT BTU/HR	WEIGHT/ LBS.	PRICE
886112	RKKA-A036JK12E949	3 TON	60-208-230	120,000	529	P.O.A.
886116	RKKA-A048JK13E949	4 TON	60-208-230	135,000	585	P.O.A.

Note: *For Technical Data see end of section.*

Side and Bottom Discharge — Natural Gas — 3 Phase

STOCK #	MODEL	COOLING	FREQUENCY(Hz) VOLTAGE	INPUT BTU/HR	WEIGHT/ LBS.	PRICE
886110	RKKA-A036CK12E949	3 TON	60-208-230	120,000	529	P.O.A.
886114	RKKA-A048CK13E949	4 TON	60-208-230	135,000	585	P.O.A.
886118	RKKA-A060CK13E949	5 TON	60-208-230	135,000	585	P.O.A.
886119	RKKA-A060CM13E949*	5 TON	60-208-230	135,000	585	P.O.A.
886121	RKKA-A073CM13E949*	6 TON	60-208-230	135,000	585	P.O.A.

** Belt Drive – High Static*

Note: *For Technical Data see end of section.*

With Economizer and Stainless Steel Heat Exchanger — 3 Phase

STOCK #	MODEL	TONS	VOLTAGE	BTU/HR	WEIGHT/ LBS.	PRICE
886111	RKKA-A036CM12EAJB*	3	60-208-230	120,000	600	P.O.A.
886102	RKKA-A036YL12EAJB	3	60-575	120,000	600	P.O.A.
886113	RKKA-A048CM13EAJB*	4	60-208-230	135,000	650	P.O.A.
886108	RKKA-A048YM13EAJB*	4	60-575	135,000	650	P.O.A.
886117	RKKA-A060CM13EAJB*	5	60-208-230	135,000	650	P.O.A.
886115	RKKA-A060YM13EAJB*	5	60-575	135,000	650	P.O.A.
886123	RKKA-A073YM13EAJB*	6	60-575	135,000	685	P.O.A.

** Belt Drive – High Static*

Note: *For Technical Data see end of section.*

Accessories

STOCK #	MODEL	DESCRIPTION	PRICE
886144	RXRD-KECM3	Economizer with Single Enthalpy	P.O.A.
886150	RXRF-FBA1	Manual Outside Fresh Air Damper	P.O.A.
886160	RXRX-AAD01A	Louver Kit (2 sides)	P.O.A.
886162	RXRX-AAD01B	Louver Kit (3 sides)	P.O.A.
886170	RXAB-A02	High Pressure Control Kit	P.O.A.
886172	RXAC-A02	Low Pressure Control Kit	P.O.A.

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RKKA SERIES — 3 – 7.5 TONS *(cont'd)*

Accessory Equipment

Accessory Description	Model Application 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 3 to 6 Ton [10.6 to 21.1 kW]	Factory Installed 3 to 6 Ton [10.6 to 21.1 kW]	Accessory Model No. 6 to 7.5 Ton [21.1 to 26.4 kW]	Factory Installed 6 to 7.5 Ton [21.1 to 26.4 kW]
Roofcurb 14"	RKKA-/RKMA-	RXKG-BAD14	No	RXKG-BAD14	No
Roofcurb 24"	RKKA-/RKMA-	RXKG-BAD24	No	RXKG-BAD24	No
Roofcurb Adapters	RKKA-/RKMA-	RXRX-BBCDB21 RXRX-BBCDB22 RXRX-BBCDB23	No	RXRX-CCCE50	No
Economizer with Single Enthalpy ②	RKKA-/RKMA-	RXRD-KECM3	Yes	RXRD-KCCM3	Yes
Dual Enthalpy Kit	RKKA-/RKMA-	RXRX-AV02	No	RXRX-AV02	No
CO_2 Sensor Only	RKKA-/RKMA-	RXRX-AR02	No	RXRX-AR01	No
Power Exhaust	RKKA-/RKMA-	RXRX-BFF04C	No	RXRX-BFF03C	No
Fresh Air Damper Manual	RKKA-/RKMA-	RXRF-FBA1	No	RXRF-FCA1	No
Fresh Air Damper Motorized	RKKA-/RKMA-	RXRF-FBB1	No	RXRF-FCB1	No
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	RKKA-/RKMA-	RXMC-CB03	No	N/A	No
Rectangular to Round 20" Duct Adapters for Concentric Diffuser	RKKA-/RKMA-	RXMC-CB04	No	RXMC-CC04	No
Concentric Diffuser 18" Step	RKKA-/RKMA-	RXRN-FA60	No	N/A	No
Concentric Diffuser 18" Flush	RKKA-/RKMA-	RXRN-FA70	No	N/A	No
Concentric Diffuser 20" Step	RKKA-/RKMA-	RXRN-FA65	No	RXRN-FA65	No
Concentric Diffuser 20" Flush	RKKA-/RKMA-	RXRN-FA75	No	RXRN-FA75	No
Rectangular to Round 16" Side	RKKA-/RKMA-	RXMC-BB01	No	N/A	No
Louver Kit (2 Sides)	RKKA-A036/A042	RXRX-AAD01A	Yes	N/A	No
Louver Kit (3 Sides)	RKKA-A048/A060/073 All RKMA- Models	RXRX-AAD01B	Yes	RXRX-AAD01B	Yes
High Pressure Control	RKKA-	RXAB-A02 ③	Yes	RXAB-A05 ③	Yes
Low Pressure Control	RKKA-	RXAC-A02 ③	Yes	RXAC-A05 ③	Yes
Time Delay	RKKA-/RKMA-	RXMD-B01	Yes	RXMD-B04	Yes
Low Ambient Control to 0°F [-18°C]	RKKA-/RKMA-	RXRZ-A18	Yes	RXRZ-A85	Yes
LP Conversion Kits for use with White Rodgers Gas Valve ①	RKKA-/RKMA-	RXGJ-EP84W	No	RXGJ-EP84W	No
LP Conversion Kits for use with Honeywell Gas Valve ①	RKKA-/RKMA-	RXGJ-EP85H	No	RXGJ-EP85H	No
LP Conversion Kits for use with Two-Stage Gas Valve ①	RKKA-A085**13T	RXGJ-EP86W	No	RXGJ-EP86W	No
Canadian High Altitude Kit (for Natural Gas Only) ①	RKKA-/RKMA-	RXRX-AH01	No	RXRX-AH01	No

*Voltage J = 208/230 VAC-1PH-60HZ D = 460 VAC-3PH-60HZ
C = 208/230 VAC-3PH-60HZ Y = 575 VAC-3PH-60HZ

NOTES: ① If a particular unit is to be converted to operate on **LP (propane)** for elevations above 2000 ft. in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. Canadian applications.

② Economizer is designed for downflow or horizontal applications.
③ Standard on RKKA-A073 and All RKMA- Models.

[ ] Designates Metric Conversions

RHEEM PACKAGE GAS/ELECTRIC

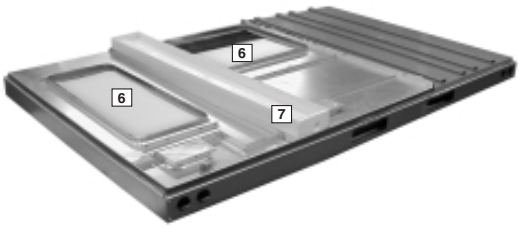
RKKB SERIES — 7.5 – 12.5 TONS

Features

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 "B-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.

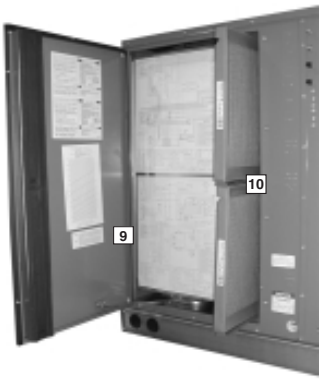


During development, each unit was tested to U.L. 1995, ANSI 21.47, ARI 340-370 and other Rheem-required reliability tests. Rheem adheres to stringent IS0 9002 quality procedures, and each unit bears the U.L. and ARI certification labels located on the unit nameplate (8). Contractors can rest assured 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.



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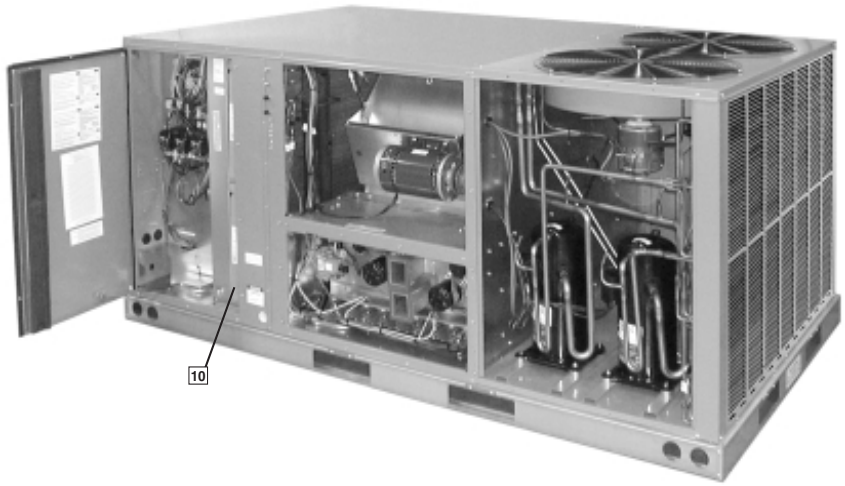
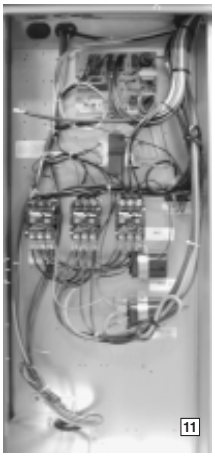
RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Features *(cont'd)*



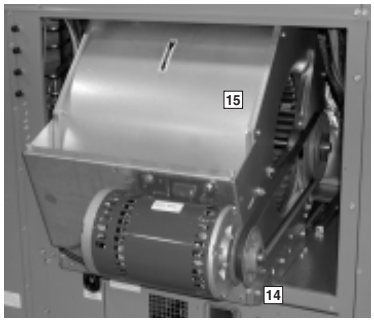
Inside the control box (11), each electrical component is clearly identified with a label that matches the component to the wire diagram for ease of trouble shooting. All wiring is numbered on each end of the termination and color-coded to match the wiring diagram. The integrated furnace control, used 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.



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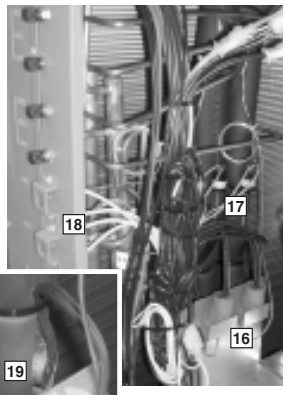
RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

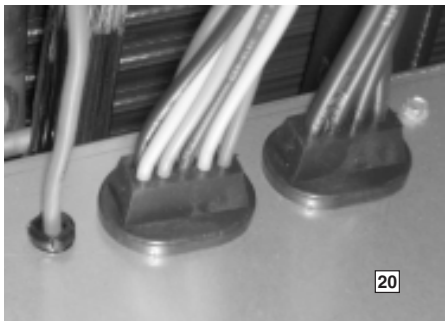
Features *(cont'd)*

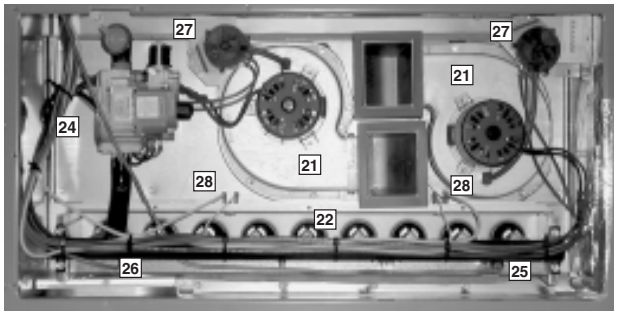


Also inside the blower compartment is the low-ambient control (16), low-pressure switch (17), high-pressure switch (18) and freeze stat refrigerant safety device (19). The low-ambient control allows for operation of the compressor down to 0 degrees ambient temperature by cycling the outdoor fans on high 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.



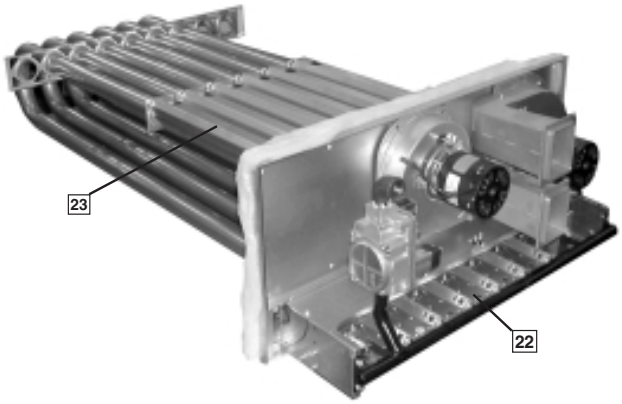


The furnace compartment contains the latest furnace technology on the market. The draft inducers (21) draw the flame from the Rheem exclusive in-shot burners (22) into the aluminized tubular heat exchanger (23) for clean, efficient gas heat. Stainless steel heat exchangers can be factory installed for 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.



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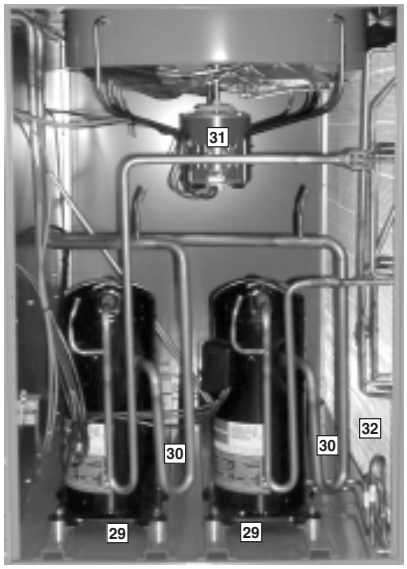
RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

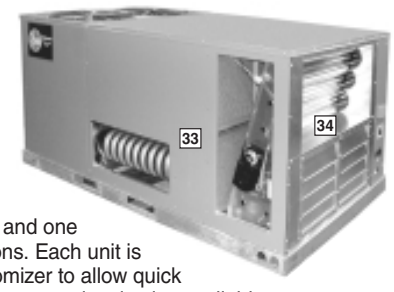
Features *(cont'd)*



The compressor compartment houses the heartbeat of the unit. The Copeland-compliant 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.

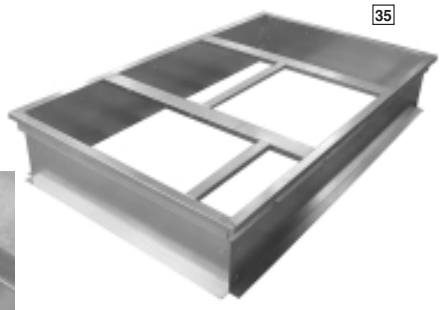
The condenser fan motor (31) can easily be accessed and maintained through the blower compartment. The polarized plug connection allows the motor to be changed quickly and eliminates the need to snake wires through the unit.

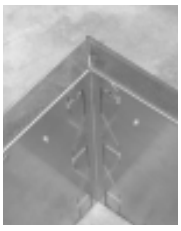
The outdoor coil uses the latest enhanced fin design (32) for the most effective method of heat transfer. The outdoor coil is protected by louvered panels, which allow unobstructed airflow while protecting the unit from both Mother Nature and vandalism.



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.





Rooftop Heat/Cool

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RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Model Identification

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 = "B Series Cabinet"
- 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

RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Factory Installed Option Codes

(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.

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RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Economizer Selection

(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.*

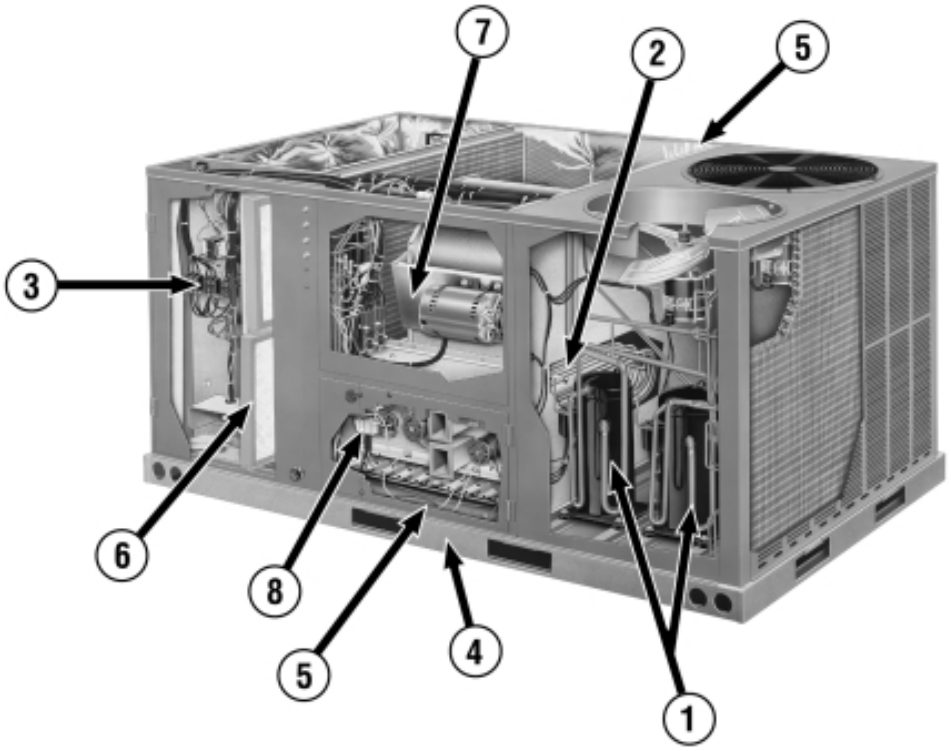
RKMB-A120CL22E**AHA**.....this unit is equipped with a *convenience outlet and service disconnect.*

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.*

RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Product Features



1. Twin Copeland 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

RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Selection Procedure — Example

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

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

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

RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Side and Bottom Discharge — Natural Gas — 3 Phase

STOCK #	MODEL	COOLING	FREQUENCY(Hz) VOLTAGE	INPUT BTU/HR	WEIGHT/ LBS.	PRICE
886122	RKKB-A090CM22E949*	7.5 TON	60-208-230	225,000	1098	P.O.A.
886124	RKKB-A120CM22E949*	10 TON	60-208-230	225,000	1051	P.O.A.
886130	RKKB-A150CL25E949	12.5 TON	60-208-230	252,000	1162	P.O.A.

** Belt Drive — High Static*

Note: *For Technical Data see end of section.*

With Economizer and Stainless Steel Heat Exchanger — 3 Phase

STOCK #	MODEL	COOLING	FREQUENCY(Hz) VOLTAGE	INPUT BTU/HR	WEIGHT/ LBS.	PRICE
886128	RKKB-A090CM22EAJB*	7.5 TON	60-208-230	225,000	600	P.O.A.
886129	RKKB-A090YM22EAJB*	7.5 TON	60-575	225,000	600	P.O.A.
886125	RKKB-A120CM22EAJB*	10 TON	60-208-230	225,000	600	P.O.A.
886127	RKKB-A120YM22EAJB*	10 TON	60-575	225,000	600	P.O.A.

** Belt Drive — High Static*

Note: *For pricing on RKKB Model 12.5 ton units, please contact your local ECCO Sales Representative.*
For Technical Data see end of section.

Accessories

STOCK #	MODEL	DESCRIPTION	PRICE
886180	RXRD-KDCM3	Economizer w/single enthalpy Fully Modulating (Outdoor)	P.O.A.
886164	RXRX-AAD01C	Outdoor Coil Louver Kit	P.O.A.
886174	RXRX-AK01	High/Low Pressure Switch Kit	P.O.A.

Note: *For Technical Data see end of section.*

RKKB SERIES — 7.5 – 12.5 TONS *(cont'd)*

Accessories — Field Installed

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Economizer w/Single Enthalpy	RXRD-KDCM3	90 [40.8]	81 [36.7]	Yes
Dual Enthalpy Kit	RXRX-AV02	1 [.5]	1 [.5]	No
Horizontal Economizer w/Single Enthalpy	RXRD-LDCM3	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-GDA1	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-BAE14	90 [40.8]	85 [38.5]	No
Roofcurb, 24"	RXKG-BAE24	140 [63.5]	135 [61.2]	No
Roofcurb Adapters (See Chart on Page 78 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

RKKB Series

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RKNA SERIES — 3 – 5 TONS – 13 SEER

Engineering Features

1. All models feature Copeland® Scroll® compressors offering maximum reliability, efficiency, and quiet operation.
2. Aluminized steel heat exchanger with in-shot burners helps eliminate corrosion. Stainless steel heat exchangers optional.
3. Integrated blower/burner control board with built-in diagnostic capability permits on-site trouble shooting.
4. One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" [25.4 mm] raised flanges for supply/return air connections provides superior water management.
5. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements.
6. Standard full perimeter forkable 14 gauge baserail with lifting holes for easier maneuvering and installations.
7. Factory installed one-inch [25.4 mm] throw away filter with provisions for two-inch [50.8 mm] filter.
8. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches [.37 kPa] of external static pressure.
9. Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
10. Number and color coded wiring helps facilitate service and maintenance.
11. Common cabinet and components allows for installation flexibility and fewer parts to inventory.
12. Standard freezestat control offers evaporator coil freeze protection.
13. Factory or field installed high and low pressure controls.
14. Externally mounted refrigerant gauge ports for easy service diagnostics.
15. Side and base electric power and gas connection entry helps minimize roof penetrations.
16. Quick assembly common roof curbs helps save field labor and maximize size flexibility.
17. Easy to install, plug-in, slip-in, 100% fully modulating economizers.
18. Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test.

[ ] Designates Metric Conversions

R K N A — A 036 J K 08 E X X X

- Economizer Option (See Next Page)
- Factory Installed Options (See Next Page)
- Ignition System
  E = Electric Ignition, 1 Stage Gas Valve
  X = Electric Ignition, 1 Stage Gas Valve, NO_x
- Heating Capacity (MBH)
  08 = 80,000 [23.5]
  10 = 100,000 [29.3]
  12 = 120,000 [35.2]
  13 = 135,000 [39.6]
- Drive Package
  K = Direct Drive
  L = Belt Drive
  M = Belt Drive—High Static
- Electrical Designation
  C = 208-230 V, 3 PH, 60 Hz
  D = 460 V, 3 PH, 60 Hz
  J = 208-230V, 1 PH, 60 Hz
- Cooling Capacity (BTUH) [kW]
  036 = 36,000 [10.55]
  042 = 42,000 [12.31]
  048 = 48,000 [14.07]
  060 = 60,000 [17.58]
- Future Technical Variations
- Design Series
  A =1st Design
- Efficiency Designation
  N = Super High Efficiency (13 SEER)
- Product Classification
  K = Rooftop—Commercial
- Tradebrand
  R = Rheem Package Gas Electric

RKNA SERIES

[ ] Designates Metric Conversions

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RKNA SERIES — 3 – 5 TONS – 13 SEER

Factory Installed Option Codes for RKNA (3-5 Ton) [10.6-17.6 kW] (A036, A042, A048, A060)

Option Code	High and Low Pressure	Hail Guard	Low Ambient Time Delay	Unwired Convenience Outlet Unfused Service Disconnect	Stainless Steel Heat Exchanger	Side Flow	Reduced Height Baserails
AA	No Options						
AC	x						
AD		x					
AE			x				
AH				x			
AJ					x		
AK						x	
AL							x
BB	x	x					
BE	x		x				
BF		x		x			
BG		x			x		
BH			x	x			
BS		x				x	
BU	x					x	
BV					x	x	
BX		x					x
CA	x	x			x		
CB	x	x	x				
CE	x	x				x	
CP	x	x					x
DA	x	x	x	x			
DB	x	x	x		x		
EB	x	x	x	x	x		

Economizer Codes
A = No Economizer
B = Economizer with Single Enthalpy

Example: RKNA-A060JK13E**XX**X *(where **XX** is factory installed option)*

Example: No Options
RKNA-A060JK13E

Example: No option with factory installed economizer
RKNA-A060JK13EAAB

Example: Options with stainless steel heat exchanger and no factory installed economizer
RKNA-A060JK13EAJA

Example: Options same as above with factory installed economizer
RKNA-A060JK13EAJB

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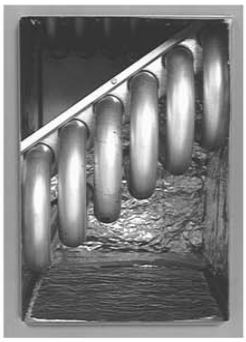
RKNA SERIES — 3 – 5 TONS – 13 SEER *(cont'd)*

Product Features

Evaporator Coil/Filter Access

- Return air filters, normally provided, are removed in this photo.



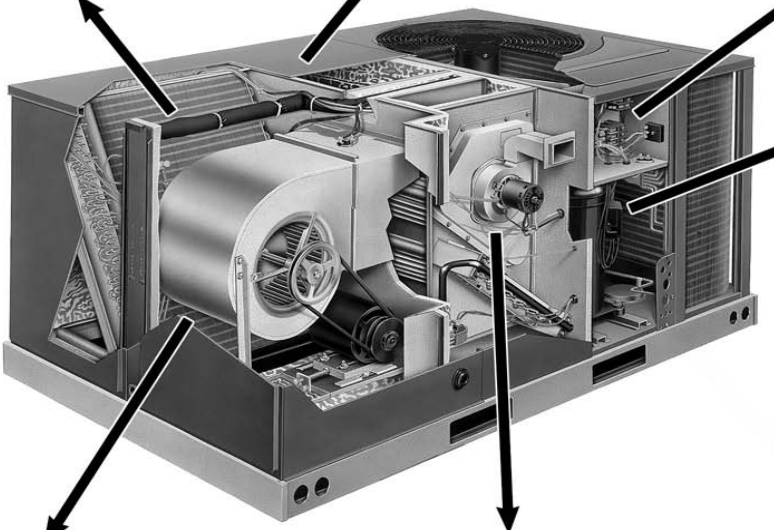
Tubular Heat Exchanger

- Aluminized steel (viewed from supply air side panel.)
- Stainless steel available

- Non-corrosive plastic condensate pan

Control Box Access

Compressor Access
(3 to 5 Ton [10.6 to 17.6 kW] Models)



Blower Access

- Belt drive model shown. (Available on 3-phase models only.)

Heating Compartment Access

[ ] Designates Metric Conversions

RKNA SERIES — 3 – 5 TONS – 13 SEER *(cont'd)*

Selection Procedure — Example

1. **Determine cooling and heating requirements at design conditions.**
   Example:
   Total cooling capacity .....43,600 BTUH [12.78 kW]
   Sensible cooling capacity .....34,000 BTUH [9.96 kW]
   Heating capacity .....96,000 BTUH [28.13 kW]
   Condenser entering air .....95°F [35°C]
   Evaporator entering air .....63°F [17°C] wb/76°F [24°C] db
   Indoor air flow .....1600 CFM [755 L/s]
   External static pressure.....1.1 in wg
   Required efficiency .....13 SEER
2. **Select unit to meet cooling requirements.**
   Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 13 SEER efficiency level, enter cooling performance from the RKNA-A048 at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1550 CFM [732 L/s]:
   Total capacity .....47,300 BTUH [732 kW]
   Power input .....3.5 kW
   And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:
   Sensible capacity .....41,708 BTUH [12.22 kW]
3. **Select heating capacity of the unit.**
   In the general data tables, note that the heating capacity of the 4 ton [14.07 kW] model with the 135,000 input heater can deliver 106,500 BTUH [31.21 kW], which is suitable for this application.
4. **Determine blower speed and power to meet the system requirements.**
   At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance data at 1600 CFM [755 L/s] and 1.1 in wg ESP:
   RPM 1195
   Watts.....755
   Drive .....M
5. **Calculate indoor blower BTUH heat effect.**
   BTUH = Watts x 3.413 = 2577
6. **Calculate net cooling capacities.**
   Net total cooling = 47,300 – 2577 = 44,723 BTUH [13.10 kW]
   Net sensible cooling = 41,708 – 2577 = 39,131 BTUH [11.47 kW]

[ ] Designates Metric Conversions

Side and Bottom Discharge – Natural Gas – 1 Phase

STOCK #	MODEL	COOLING	FREQUENCY(Hz) VOLTAGE	INPUT BTU/HR	WEIGHT/ LBS.	PRICE
886202	RKNA-A036JK12E949	3 TON	60-208-230	120,000	550	P.O.A.
886204	RKNA-A048JK13E949	4 TON	60-208-230	135,000	592	P.O.A.
886206	RKNA-A060JK13E949	5 TON	60-208-230	135,000	604	P.O.A.

Note: *For Technical Data see end of section.*

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RKNA SERIES — 3 – 5 TONS – 13 SEER *(cont'd)*

Accessory Equipment

Accessory Description	Model Application 3 to 5 Ton [10.6 to 17.6 kW]	Accessory Model No. 3 to 5 Ton [10.6 to 17.6 kW]	Factory Installed 3 to 5 Ton [10.6 to 17.6 kW]
Roofcurb 14"	RKNA-	RXKG-BAD14	No
Roofcurb 24"	RKNA-	RXKG-BAD24	No
Roofcurb Adapters	RKNA-	RXRX-BBCDB21 RXRX-BBCDB22 RXRX-BBCDB23	No
Economizer with Single Enthalpy ②	RKNA-	RXRD-KECM3	Yes
Dual Enthalpy Kit	RKNA-	RXRX-AV02	No
CO_2 Sensor Only	RKNA-	RXRX-AR02	No
Power Exhaust	RKNA-	RXRX-BFF04C	No
Fresh Air Damper Manual	RKNA-	RXRF-FBA1	No
Fresh Air Damper Motorized	RKNA-	RXRF-FBB1	No
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	RKNA-	RXMC-CB03	No
Rectangular to Round 20" Duct Adapters for Concentric Diffuser	RKNA-	RXMC-CB04	No
Concentric Diffuser 18" Step	RKNA-	RXRN-FA60	No
Concentric Diffuser 18" Flush	RKNA-	RXRN-FA70	No
Rectangular to Round 16" Side	RKNA-	RXMC-BB01	No
Louver Kit (3 Sides)	All RKNA- Models	RXRX-AAD01B	Yes
Time Delay	RKNA-	RXMD-B01	Yes
High Pressure	RKNA-	RXAB-A02	Yes
Low Pressure	RKNA-	RXAC-A02	Yes
Low Ambient Control to 0°F [-18°C]	RKNA-	RXRZ-A18	Yes
LP Conversion Kits for use with White Rodgers Gas Valve ①	RKNA-	RXGJ-EP84W	No
LP Conversion Kits for use with Honeywell Gas Valve ①	RKNA-	RXGJ-EP85H	No
Canadian High Altitude Kit (for Natural Gas Only) ①	RKNA-	RXRX-AH01	No

*Voltage J = 208/230 VAC-1PH-60HZ D = 460 VAC-3PH-60HZ
C = 208/230 VAC-3PH-60HZ

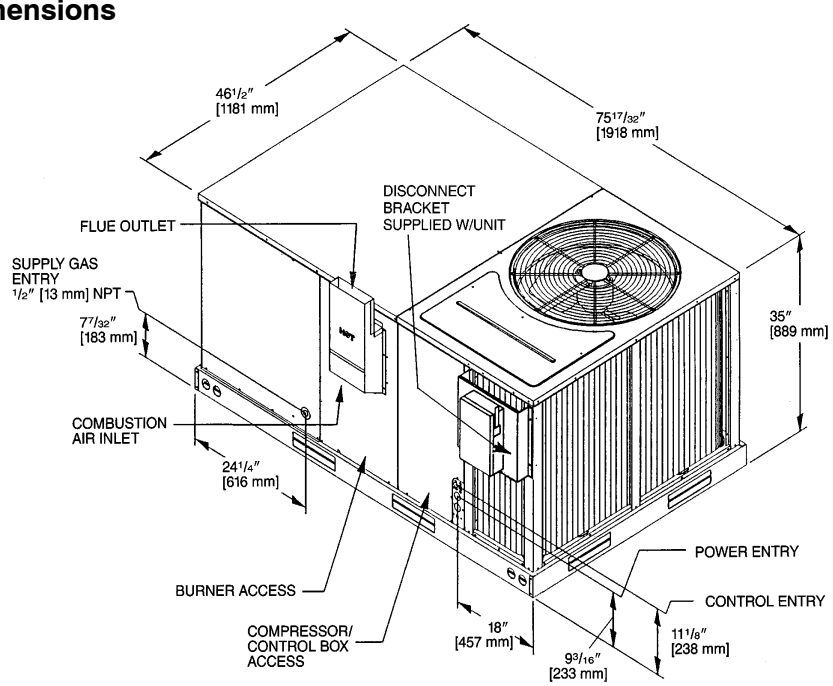
NOTES: ① If a particular unit is to be converted to operate on **LP (propane)** for elevations above 2000 ft. in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. Canadian applications.
② Economizer is designed for downflow or horizontal applications.

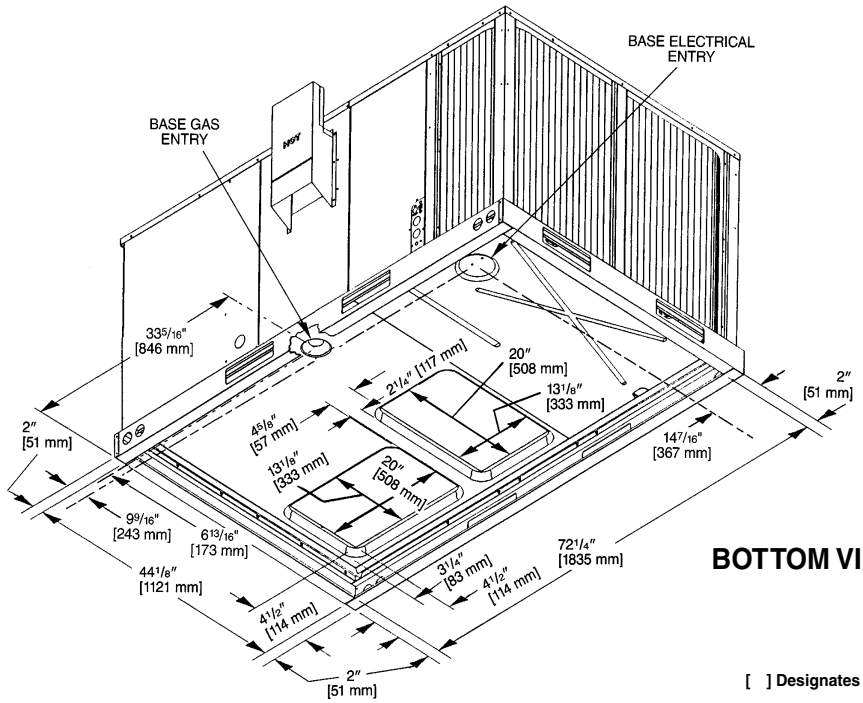
[ ] Designates Metric Conversions

TECHNICAL DATA

RKKA Series — 3 – 6 Tons

Dimensions





BOTTOM VIEW

[ ] Designates Metric Conversions

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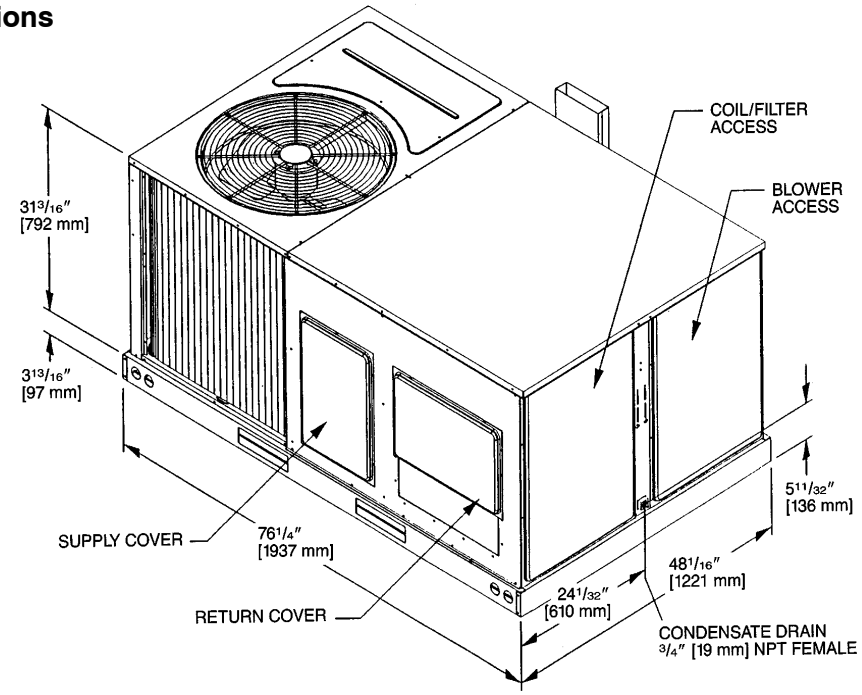
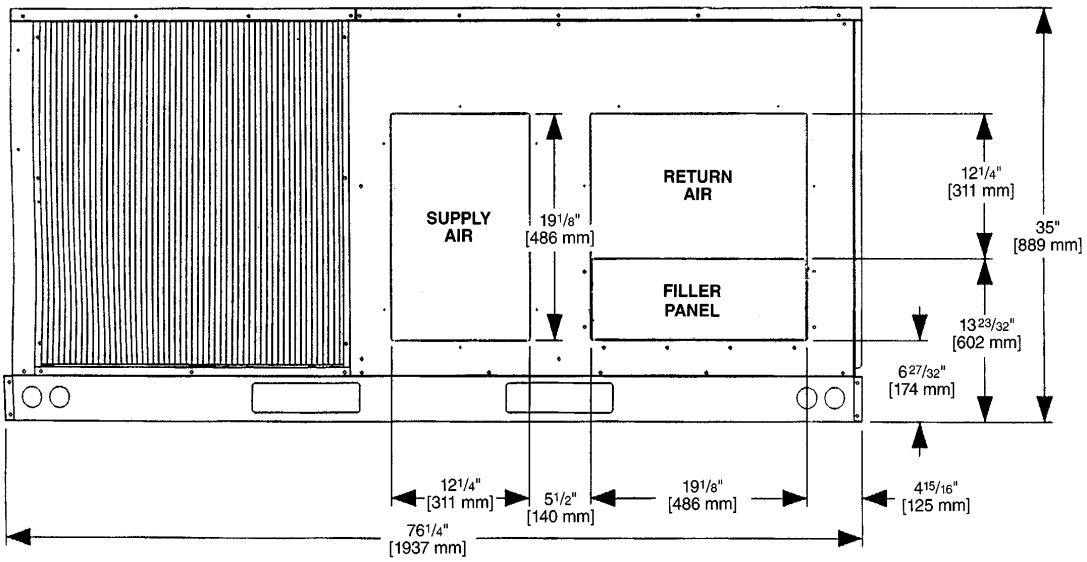
TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 6 Tons *(cont'd)*

Unit Dimensions



SUPPLY AND RETURN DIMENSIONS



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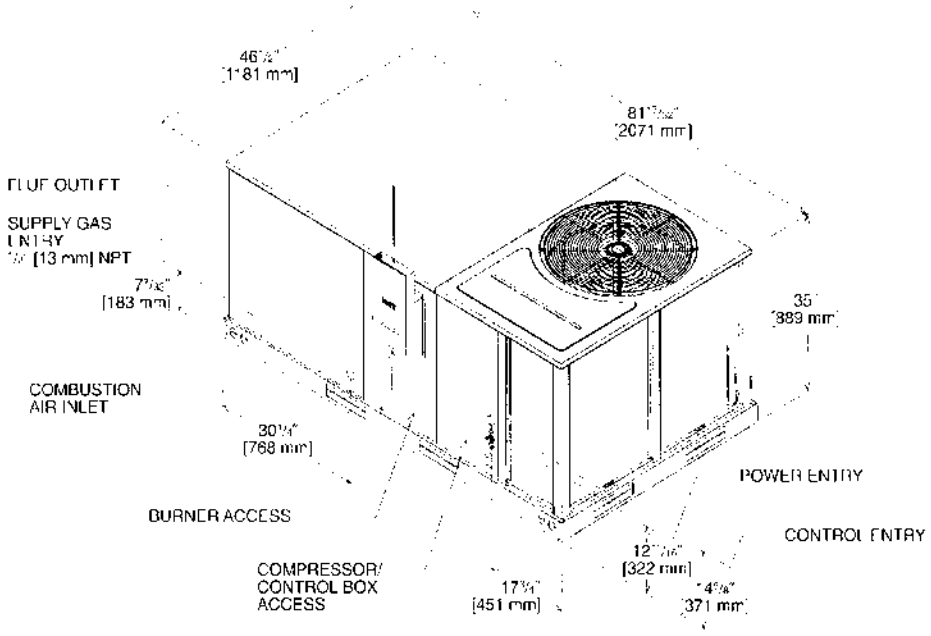
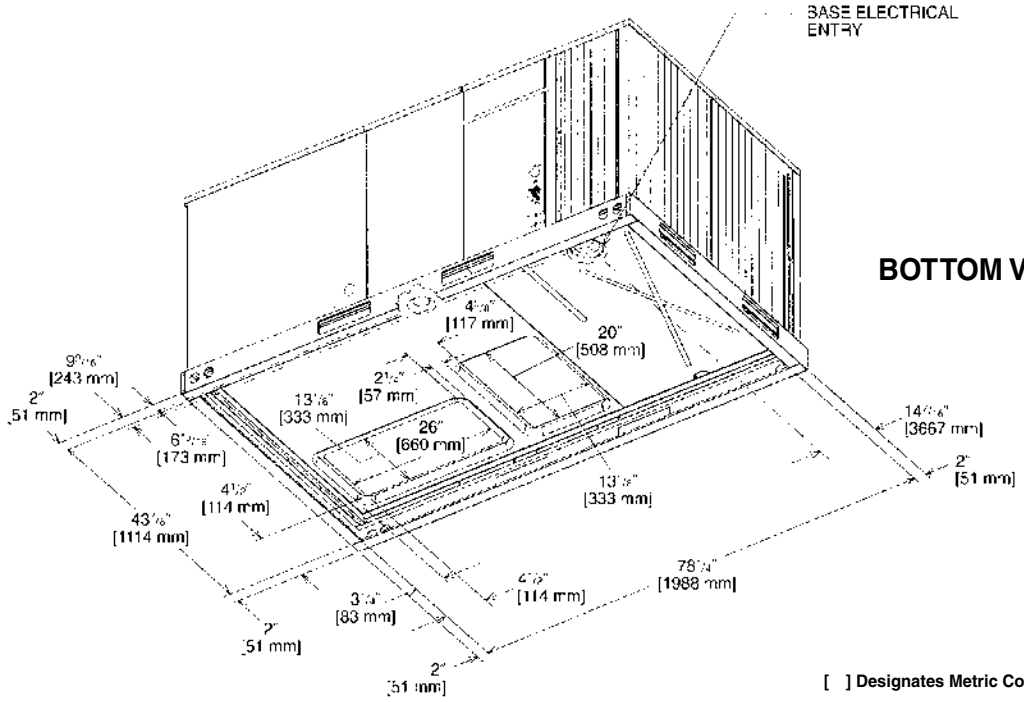
TECHNICAL DATA *(cont'd)*

RKKA Series — 7.5 Tons

Unit Dimensions





BOTTOM VIEW

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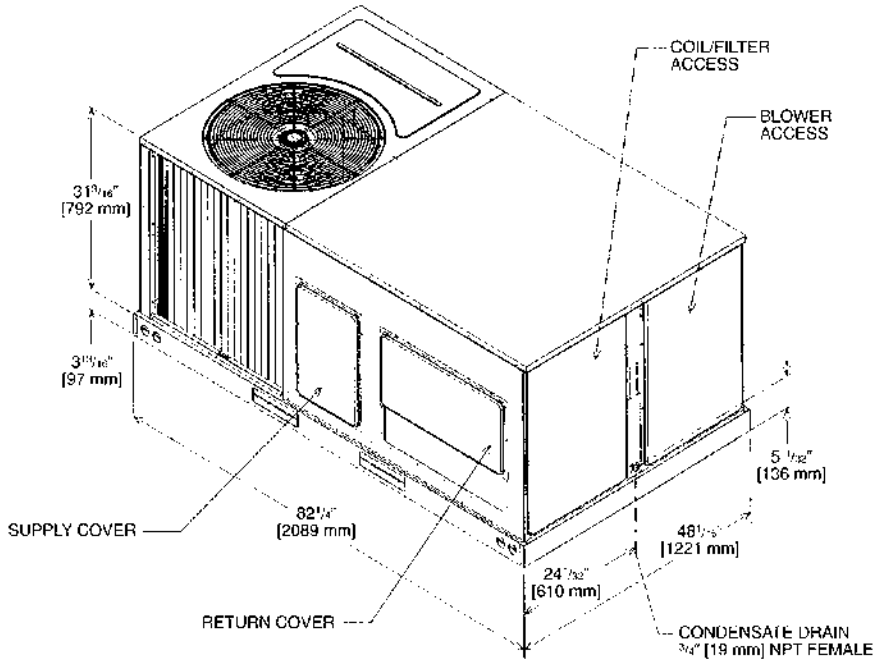
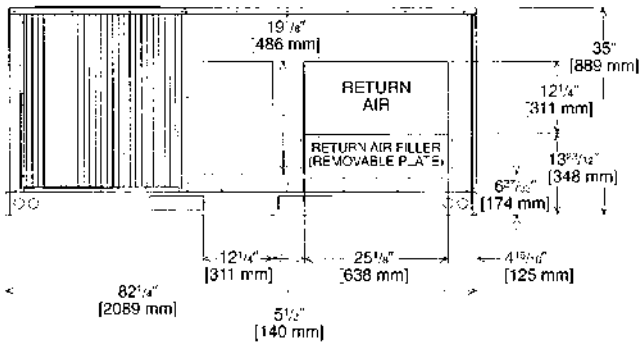
TECHNICAL DATA *(cont'd)*

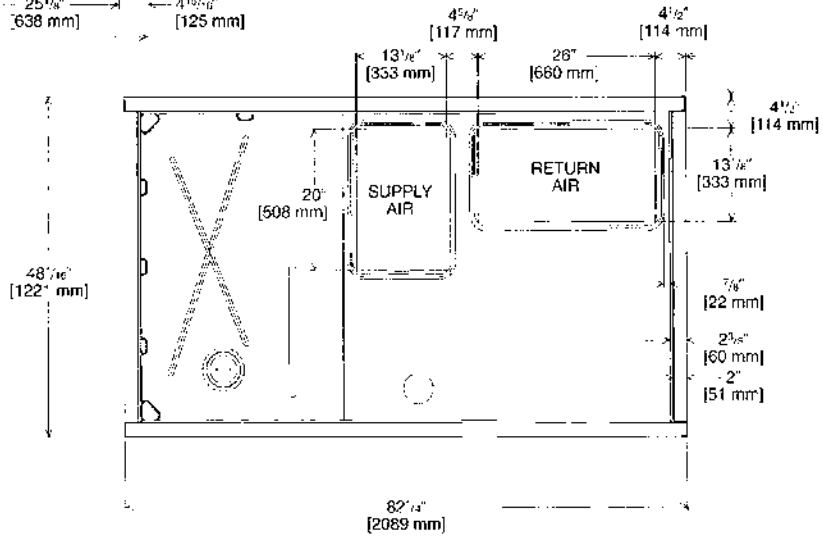
RKKA Series — 7.5 Tons *(cont'd)*

Unit Dimensions





BOTTOM VIEW



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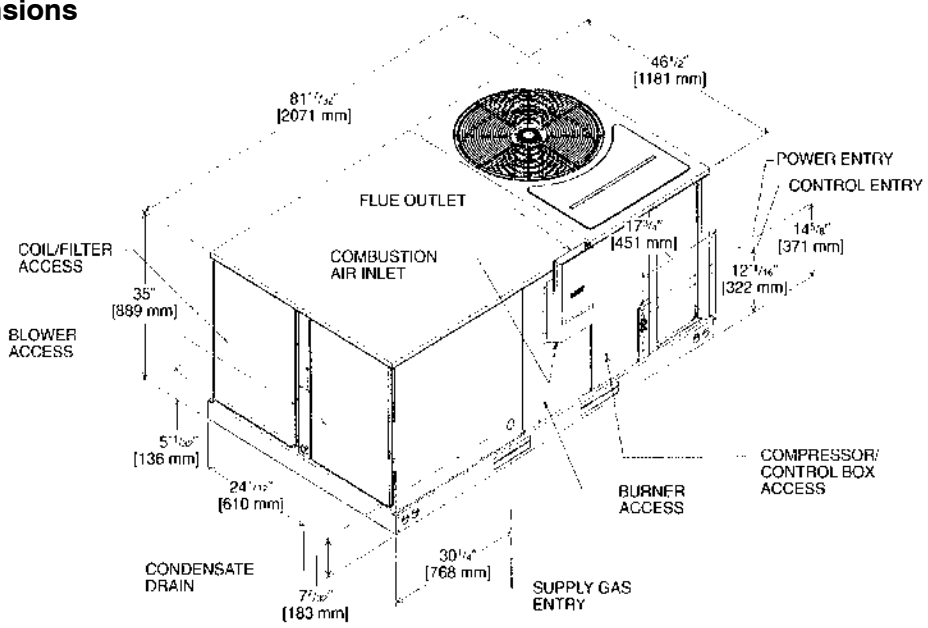
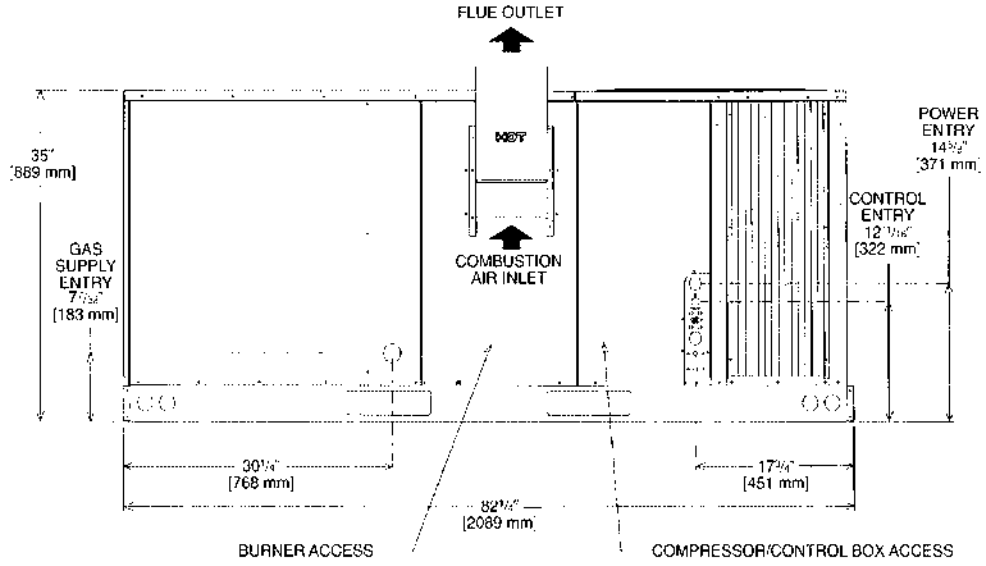
TECHNICAL DATA *(cont'd)*

RKKA Series — 7.5 Tons *(cont'd)*

Unit Dimensions





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TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

Weights

Accessory	3-6 Ton [10.6-21.1 kW]		7.5 Ton [26.4 kW]	
	Shipping	Operating	Operating	Operating
	lbs [kg]	lbs [kg]	lbs [kg]	lbs [kg]
Economizer with Single Enthalapy	70 [32]	60 [27]	80 [36]	70 [32]
Power Exhaust	19 [9]	16 [7]	21 [10]	17 [8]
Fresh Air Damper (Manual)	11 [5]	9 [4]	14 [6]	12 [5]
Fresh Air Damper (Motorized)	13 [6]	11 [5]	16 [7]	14 [6]
Roof Curb 14"	92 [42]	88 [40]	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]	—	—
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]	55 [25]	40 [18]

CENTER OF GRAVITY (C.G.)

Capacity Tons [kW]	A in. [mm]	B in. [mm]
3-6 [10.6-21.1]	38 1/4 [972]	25 3/4 [654]
7.5 [26.4]	39 [991]	26 1/8 [664]

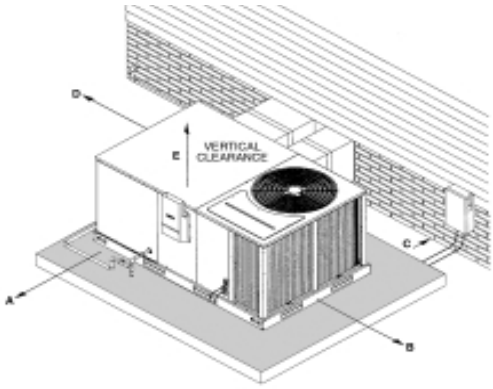
Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
3-6 [10.6-21.1]	22%	27%	23%	28%
7.5 [26.4]	23%	29%	21%	27%

CLEARANCES
(3 to 7.5 Ton [10.6 to 26.4 kW] Models)

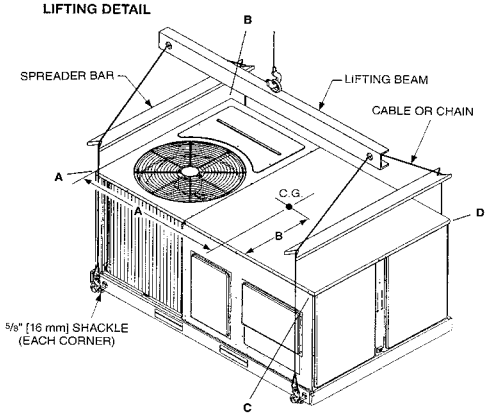
The following minimum clearances are recommended for proper unit performance and serviceability.

Recommended Clearance in. [mm]	Location
48 [1219]	A - Front
18 [457]	B - Condenser Coil
12 [305]	C - Duct Side
36 [914]	D - Evaporator End
60 [1524]	E - Above
*Without Economizer. 57" [1448 mm] With Economizer	

NOTE: Supply duct may be installed with "0" inch clearance to combustible materials, provided 1" [25.4 mm] minimum Fiberglass insulation is applied either inside or on the outside of the duct.



LIFTING DETAIL



[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

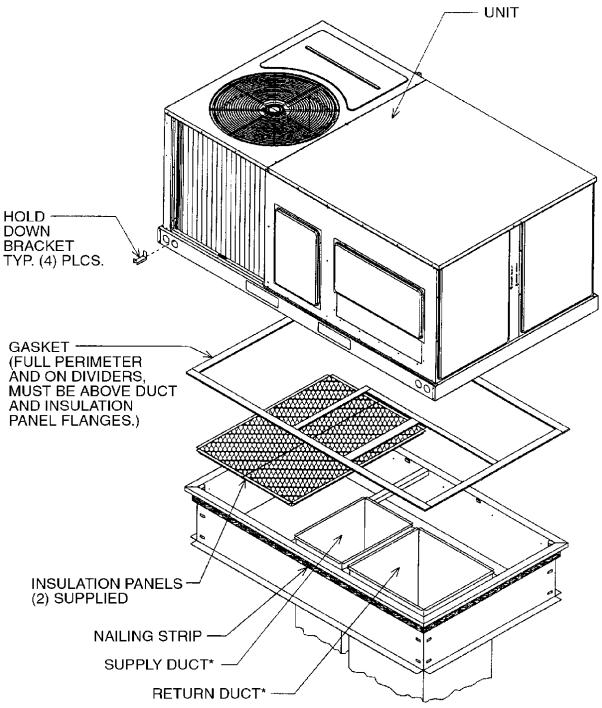
RKKA Series — 3 – 7.5 Tons *(cont'd)*

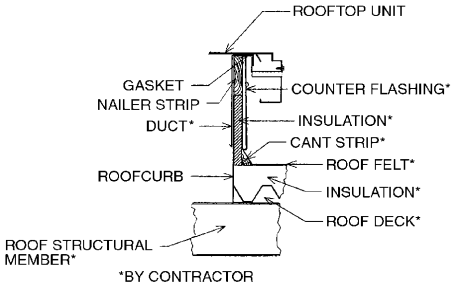
Roofcurbs (Full Perimeter)

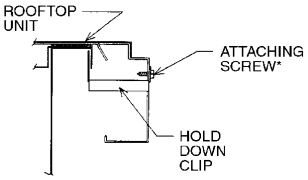
- Rheem's new roofcurb design can be utilized on 3 through 7.5 ton [10.6-26.4 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailer provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

Roofcurb Model	Height of Curb
RXKG-BAD14	14" [356 mm]
RXKG-BAD24	24" [610 mm]

TYPICAL INSTALLATION







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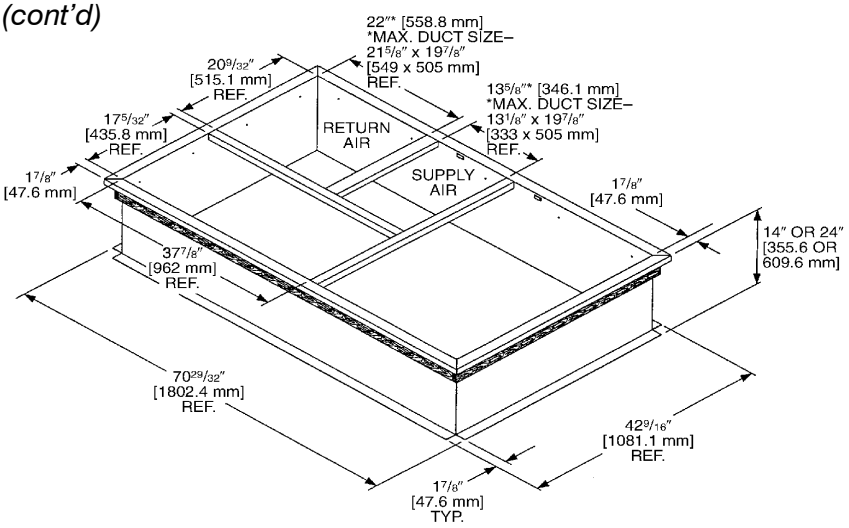
TECHNICAL DATA *(cont'd)*

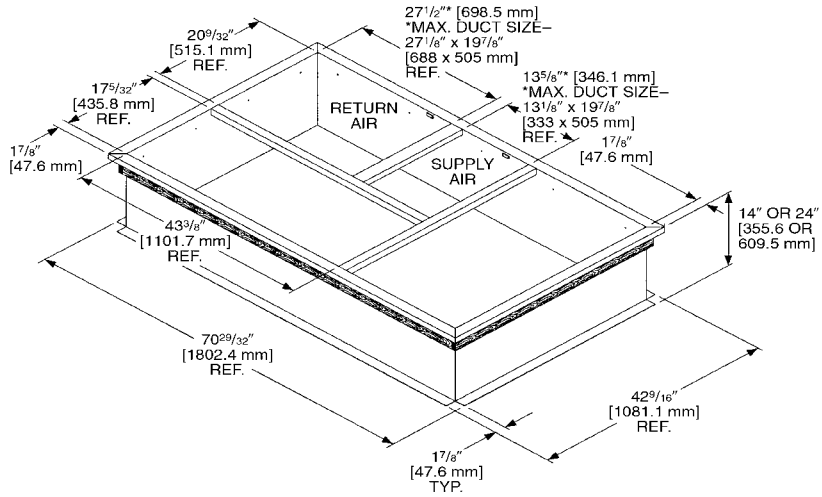
RKKA Series — 3 – 7.5 Tons *(cont'd)*

Roofcurbs (Full Perimeter) *(cont'd)*



ROOFCURB FOR
RKKA 3-6 TON [10.6-21.1 kW] MODELS

ROOFCURB FOR
RKMA 6 TON [21.1 kW] MODELS
RKKA 7.5 TON [26.4 kW] MODELS



[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

Economizers

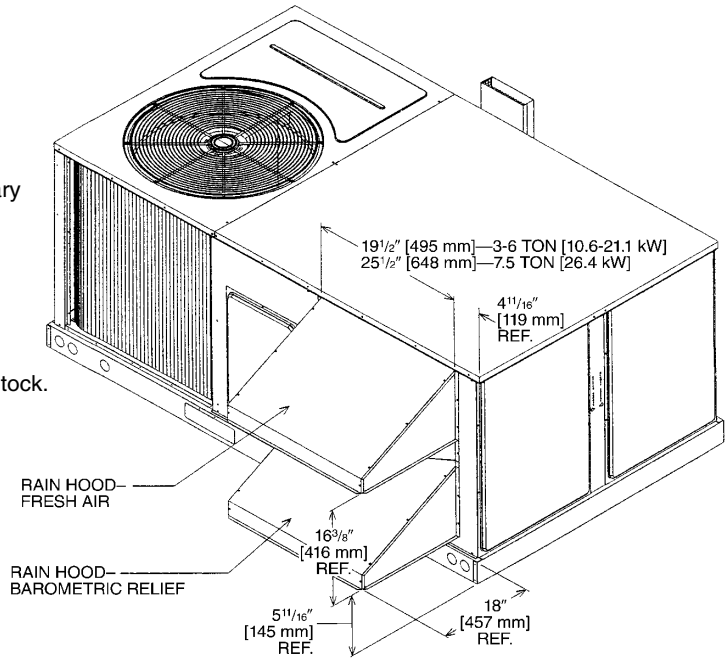
RXRD-KECM3—RKKA 3-6 Ton [10.6-21.1 kW] Models **Single Enthalpy (with Barometric Relief)**
RXRD-KCCM3—RKMA 6 Ton [21.1 kW] Models
RKKA 7.5 Ton [26.4 kW] Models

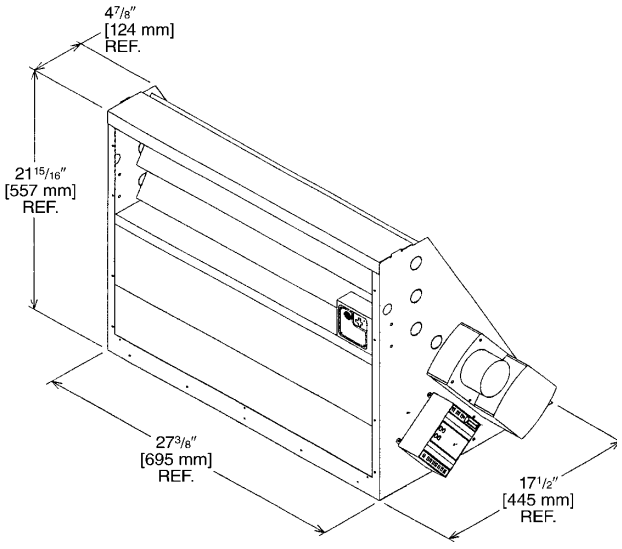
RXRX-AV02—3-7.5 Ton [10.6-26.4 kW] Models **Dual Enthalpy Kit**

RXRX-AR02—3-7.5 Ton [10.6-26.4 kW] Models **Optional CO_2 Sensor**

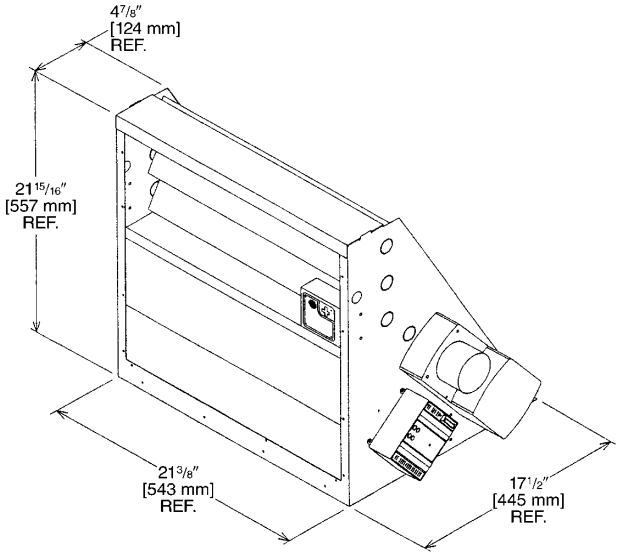
- Features **Honeywell** Analog Controls
- Available factory installed or field accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Horizontal or Downflow Applications
- Slip-In Design for Easy Installations
- Plug-In Polarized 9-pin Electrical Connections
- Pre-configuring—No Field Adjustments Necessary
- Standard Barometric Relief Damper Provided
- Single Enthalpy with Dual Enthalpy upgrade kit
- CO_2 Input Sensor Available (field installed)
- Economizer slips in complete for downflow or horizontal duct applications
- Field assembled hood ships with Economizer
- Optional Remote minimum position (Honeywell #S963B1128) is available from ProStock.
- Field installed power exhaust available.

[ ] Designates Metric Conversions





ECONOMIZER
RKMA 6 TON [21.1 kW] Models
RKKA 7.5 TON [26.4 kW] Models



RKKA 3-6 Ton [10.6-21.1 kW] Models

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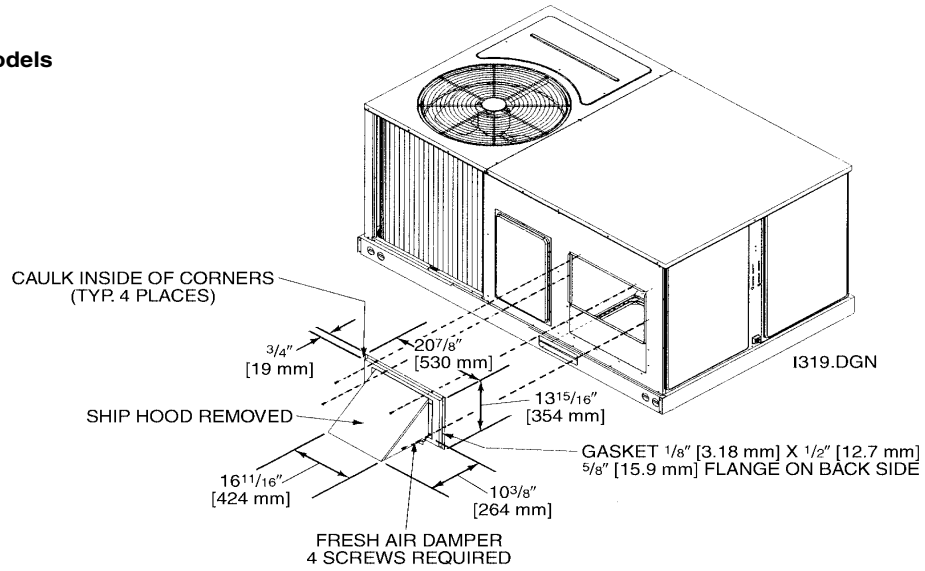
TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

Fresh Air Damper

RKKA 3-6 Ton [10.6-21.1 kW] Models
RXRF-FBA1 (Manual)
RXRF-FBB1 (Motorized)

RKMA 6 Ton [21.1 kW] Models
RKKA 7.5 Ton [26.4 kW] Models
RXRF-FCA1 (Manual)
RXRF-FCB1 (Motorized)



[ ] Designates Metric Conversions

Rooftop Heat/Cool

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TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER[2]	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	522 [237]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	529 [240]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER[2]	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	513 [233]	513 [233]	522 [237]
Ship Weight lbs. [kg]	520 [236]	520 [236]	520 [236]	529 [240]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER[2]	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	513 [233]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	520 [236]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A036YL08E	A036YL12E	A036YM08E	A036YM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER[2]	9.4/10.2	9.4/10.2	9.4/10.2	9.4/10.2
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]	26,500 [7.8]
Net Latent Capacity Btu [kW]	9500 [2.8]	9500 [2.8]	9500 [2.8]	9500 [2.8]
Net System Power kW	3.8	3.8	3.8	3.8
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	35-65 [19.4/36.1]	50-80 [27.8/44.4]	35-65 [19.4/36.1]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights				
Net Weight lbs. [kg]	513 [233]	522 [237]	513 [233]	513 [233]
Ship Weight lbs. [kg]	520 [236]	529 [240]	520 [236]	520 [236]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER[2]	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	538 [244]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	545 [247]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER[2]	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	529 [240]	529 [240]	538 [244]
Ship Weight lbs. [kg]	536 [243]	536 [243]	536 [243]	545 [247]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER[2]	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	529 [240]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	536 [243]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A042YL08E	A042YL12E	A042YM08E	A042YM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
EER/SEER[2]	9.05/10	9.05/10	9.05/10	9.05/10
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]	42,000 [12.3]
Net Sensible Capacity Btu [kW]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]	32,000 [9.4]
Net Latent Capacity Btu [kW]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]	10,000 [2.9]
Net System Power kW	4.6	4.6	4.6	4.6
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	120,000 [35.2]	80,000 [23.4]	120,000 [35.2]
Heating Output Btu [kW]	64,800 [19]	97,200 [28.5]	64,800 [19]	97,200 [28.5]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]	11.04 [1.03]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	3600 [1699]	3600 [1699]	3600 [1699]	3600 [1699]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	77 [2183]	77 [2183]	77 [2183]	77 [2183]
Weights				
Net Weight lbs. [kg]	529 [240]	538 [244]	529 [240]	529 [240]
Ship Weight lbs. [kg]	536 [243]	545 [247]	536 [243]	536 [243]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	64,800 [19]	81,000 [23.7]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	135,000 [39.6]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	109,400 [32.1]	64,800 [19]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	4	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

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– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]	80,000 [23.4]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	62,500 [18.3]	62,500 [18.3]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	78.5	78.5
California Seasonal Eff. (%)	NA	NA	75.5	75.5
No. Burners	5	6	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	580 [263]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048YL08E	A048YL10E	A048YL13E	A048YM08E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]	50,000 [14.6]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.8/10.4	9.8/10.4
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]	48,000 [14.1]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]	35,500 [10.4]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]	12,500 [3.7]
Net System Power kW	4.9	4.9	4.9	4.9
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	80,000 [23.4]	100,000 [29.3]	135,000 [39.6]	80,000 [23.4]
Heating Output Btu [kW]	64,800 [19]	81,000 [23.7]	109,400 [32.1]	64,800 [19]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]	1 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x48.3x25 [25x1227x635] (1)1x8.5x25 [25x216x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	106 [3005]	106 [3005]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	578 [262]	573 [260]
Ship Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A048YM10E	A048YM13E	A060CK10E	A060CK13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.6]	50,000 [14.6]	63,000 [18.5]	63,000 [18.5]
EER/SEER[2]	9.8/10.4	9.8/10.4	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	48,000 [14.1]	48,000 [14.1]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	35,500 [10.4]	35,500 [10.4]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	12,500 [3.7]	12,500 [3.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	4.9	4.9	6.5	6.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	40-70 [22.2/38.9]	40-70 [22.2/38.9]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1 / 18 [7]	1 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	5 / 14 [6]	5 / 14 [6]
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]	3700 [1746]	3700 [1746]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
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]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	106 [3005]	106 [3005]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	573 [260]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060CL10E	A060CL13E	A060CM10E	A060CM13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER[2]	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
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]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
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]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1	1
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	573 [260]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060DK10E	A060DK13E	A060DL10E	A060DL13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER[2]	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
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]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]	1.5 / 18 [7]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Smooth	Smooth	Smooth	Smooth
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]	5 / 14 [6]
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]	3700 [1746]	3700 [1746]	3700 [1746]	3700 [1746]
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]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]	131 [3714]	131 [3714]
Weights				
Net Weight lbs. [kg]	573 [260]	578 [262]	573 [260]	578 [262]
Ship Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	585 [265]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1999 COMPLIANT MODELS

Model RKKA- Series	A060DM10E	A060DM13E	A060YM10E	A060YM13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]	63,000 [18.5]
EER/SEER[2]	9.3/10.1	9.3/10.1	9.3/10.1	9.3/10.1
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]	60,000 [17.6]
Net Sensible Capacity Btu [kW]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]	44,000 [12.9]
Net Latent Capacity Btu [kW]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]	16,000 [4.7]
Net System Power kW	6.5	6.5	6.5	6.5
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
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]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
California Seasonal Eff. (%)	—	—	5	6
No. Burners	5	6	1	1
No. Stages	1	1	0.5 [12.7]	0.5 [12.7]
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]		
Compressor			1/Copeland Scroll	1/Copeland Scroll
No./Type	1/Copeland Scroll	1/Copeland Scroll	78	78
Outdoor Sound Rating (dB)[5]	78	78	Louvered	Louvered
Outdoor Coil—Fin Type	Louvered	Louvered	Smooth	Smooth
Tube Type	Smooth	Smooth	0.375 [9.5]	0.375 [9.5]
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	16.56 [1.54]	16.56 [1.54]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	1.5 / 18 [7]	1.5 / 18 [7]
Rows / FPI [FPcm]	1.5 / 18 [7]	1.5 / 18 [7]	Louvered	Louvered
Indoor Coil—Fin Type	Louvered	Louvered	Smooth	Smooth
Tube Type	Smooth	Smooth	0.3125 [7.9]	0.3125 [7.9]
Tube Size in. [mm]	0.3125 [7.9]	0.3125 [7.9]	5.17 [0.48]	5.17 [0.48]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5 / 14 [6]	5 / 14 [6]
Rows / FPI [FPcm]	5 / 14 [6]	5 / 14 [6]	Capillary Tubes	Capillary Tubes
Refrigerant Control	Capillary Tubes	Capillary Tubes	1/1 [25.4]	1/1 [25.4]
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	Propeller	Propeller
Outdoor Fan—Type	Propeller	Propeller	1/24 [609.6]	1/24 [609.6]
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	Direct/1	Direct/1
Drive Type/No. Speeds	Direct/1	Direct/1	3700 [1746]	3700 [1746]
CFM [L/s]	3700 [1746]	3700 [1746]	1 at 1/3 HP	1 at 1/3 HP
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1075	1075
Motor RPM	1075	1075	FC Centrifugal	FC Centrifugal
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]
No. Used/Diameter in. [mm]	1/11x11 [279.4x279.4]	1/11x11 [279.4x279.4]	Belt/Variable	Belt/Variable
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	1	1
No. Motors	1	1	1	1
Motor HP	1	1	1725	1725
Motor RPM	1725	1725	56	56
Motor Frame Size	56	56	Disposable	Disposable
Filter—Type	Disposable	Disposable	Yes	Yes
Furnished	Yes	Yes	(1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635]
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] 131 [3714]	(1)1x16x25 [25x406x635] 131 [3714]
Refrigerant Charge Oz. [g]	131 [3714]	131 [3714]		
Weights			573 [260]	573 [260]
Net Weight lbs. [kg]	573 [260]	573 [260]	580 [263]	580 [263]
Ship Weight lbs. [kg]	580 [263]	580 [263]		

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073CL10E	A073CL13E	A073CM10E	A073CM13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER[2]	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073DL10E	A073DL13E	A073DM10E	A073DM13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER[2]	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW]	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A073YL10E	A073YL13E	A073YM10E	A073YM13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	75,000 [22]	75,000 [22]	75,000 [22]	75,000 [22]
EER/SEER[2]	9.8/NA	9.8/NA	9.8/NA	9.8/NA
Nominal CFM/ARI Rated CFM [L/s]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]	2400/2200 [1133/1038]
ARI Net Cooling Capacity Btu [kW]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
Net Sensible Capacity Btu [kW]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]	51,500 [15.1]
Net Latent Capacity Btu [kW]	20,500 [6]	20,500 [6]	20,500 [6]	20,500 [6]
Integrated Part Load Value[3]	NA	NA	NA	NA
Net System Power kW	7.3	7.3	7.3	7.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	100,000 [29.3]	135,000 [39.6]	100,000 [29.3]	135,000 [39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	81,000 [23.7]	109,400 [32.1]	81,000 [23.7]	109,400 [32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	30-60 [16.7/33.3]	20-50 [11.1/27.8]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]	5 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. (Sys. 1/Sys. 2) [g]	176 [4990]	176 [4990]	176 [4990]	176 [4990]
Weights				
Net Weight lbs. [kg]	608 [276]	608 [276]	608 [276]	608 [276]
Ship Weight lbs. [kg]	615 [279]	615 [279]	615 [279]	615 [279]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085CL13E	A085CL13T	A085CM13E	A085CM13T
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER[2]	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406]
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]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085DL13E	A085DL13T	A085DM13E	A085DM13T
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER[2]	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]
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]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

NOM. SIZES 3-7.5 TONS [10.6-26.4 kW] ASHRAE 90.1-1989 COMPLIANT MODELS

Model RKKA- Series	A085YL13E	A085YL13T	A085YM13E	A085YM13T
Cooling Performance[1]				
Gross Cooling Capacity Btu [kW]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]	90,000 [26.4]
EER/SEER[2]	9.1/NA	9.1/NA	9.1/NA	9.1/NA
Nominal CFM/ARI Rated CFM [L/s]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]	2800/2850 [1321/1345]
ARI Net Cooling Capacity Btu [kW]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]	85,000 [24.9]
Net Sensible Capacity Btu [kW]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]	63,380 [18.6]
Net Latent Capacity Btu [kW]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]	21,620 [6.3]
Integrated Part Load Value[3]	10	10	10	10
Net System Power kW	9.3	9.3	9.3	9.3
Heating Performance (Package Gas/Electric)[4]				
Heating Input Btu [kW] (1st Stage / 2nd Stage)	135,000 [39.6]	74,250/135,000 [21.8/39.6]	135,000 [39.6]	74,250/135,000 [21.8/39.6]
Heating Output Btu [kW] (1st Stage / 2nd Stage)	109,400 [32.1]	60,170/109,400 [17.6/32.1]	109,400 [32.1]	60,170/109,400 [17.6/32.1]
Temperature Rise Range °F [°C]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]	20-50 [11.1/27.8]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	6	6	6
No. Stages	1	2	1	2
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll
Outdoor Sound Rating (dB)[5]	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
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]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]	0.3125 [7.9]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]	5 / 12 [5]
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]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]	1/11x12 [279.4x304.8]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1 1/2	1 1/2	1 1/2	1 1/2
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]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]	(2)2x16x16 [51x406x406] (2)2x16x16 [51x406x406]
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]	690 [313]	690 [313]	690 [313]	690 [313]
Ship Weight lbs. [kg]	699 [317]	699 [317]	699 [317]	699 [317]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

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.

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

GROSS SYSTEMS PERFORMANCE DATA—A036

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]			1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	1500 [707.9]	1200 [566.3]	900 [424.8]	
DR ①			.18	.15	.10	.18	.15	.10	.18	.15	.10	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	43.4 [12.72]	41.7 [12.22]	40.0 [11.72]	41.6 [12.19]	39.9 [11.69]	38.2 [11.20]	39.8 [11.66]	38.1 [11.17]	36.4 [10.67]	
		Sens BTUH [kW]	28.2 [8.26]	24.9 [7.30]	21.7 [6.36]	33.0 [9.67]	29.8 [8.73]	26.5 [7.77]	38.0 [11.14]	34.7 [10.17]	31.5 [9.23]	
		Power	2.9	2.9	2.8	2.9	2.8	2.8	2.9	2.8	2.7	
	80 [26.7]	Total BTUH [kW]	42.9 [12.57]	41.2 [12.07]	39.5 [11.58]	41.1 [12.05]	39.4 [11.55]	37.7 [11.05]	39.3 [11.52]	37.6 [11.02]	35.9 [10.52]	
		Sens BTUH [kW]	27.7 [8.12]	24.5 [2.10]	21.2 [6.21]	32.6 [9.55]	29.3 [8.59]	26.0 [7.62]	37.5 [10.99]	34.2 [10.02]	31.0 [9.09]	
		Power	3.1	3.0	3.0	3.1	3.0	2.9	3.1	3.0	2.9	
	85 [29.4]	Total BTUH [kW]	42.3 [12.40]	40.6 [11.90]	38.9 [11.40]	40.6 [11.90]	38.9 [11.40]	37.2 [10.90]	38.8 [11.37]	37.1 [10.87]	35.4 [10.37]	
		Sens BTUH [kW]	27.3 [8.00]	24.0 [7.03]	20.8 [6.10]	32.1 [9.41]	28.9 [8.47]	25.6 [7.50]	37.1 [10.87]	33.8 [9.91]	30.5 [8.94]	
		Power	3.3	3.2	3.1	3.3	3.2	3.1	3.2	3.1	3.1	
	90 [32.2]	Total BTUH [kW]	41.7 [12.22]	40.0 [11.72]	38.3 [11.22]	40.0 [11.72]	38.3 [11.22]	36.6 [10.73]	38.1 [11.17]	36.4 [10.67]	34.7 [10.17]	
		Sens BTUH [kW]	26.9 [7.88]	23.6 [6.92]	20.3 [5.95]	31.7 [9.29]	28.5 [8.35]	25.2 [7.39]	36.7 [10.76]	33.4 [9.79]	30.1 [8.82]	
		Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.3	3.2	
	95 [35]	Total BTUH [kW]	41.0 [12.02]	39.3 [11.52]	37.6 [11.02]	39.3 [11.52]	37.6 [11.02]	35.8 [10.49]	37.4 [10.96]	35.7 [10.46]	34.0 [9.96]	
		Sens BTUH [kW]	26.5 [7.77]	23.2 [6.80]	20.0 [5.86]	31.3 [9.17]	28.1 [8.24]	24.8 [7.27]	36.3 [10.64]	33.0 [9.67]	29.7 [8.70]	
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.4	
	100 [37.8]	Total BTUH [kW]	40.2 [11.78]	38.5 [11.28]	36.8 [10.78]	38.4 [11.25]	36.7 [10.76]	35.0 [10.26]	36.6 [10.73]	34.9 [10.23]	33.2 [9.73]	
		Sens BTUH [kW]	26.1 [7.65]	22.8 [6.68]	19.5 [5.71]	30.9 [9.06]	27.6 [8.09]	24.4 [7.15]	35.9 [10.52]	32.6 [9.55]	29.3 [8.59]	
		Power	3.8	3.7	3.6	3.8	3.7	3.6	3.7	3.7	3.6	
	105 [40.6]	Total BTUH [kW]	39.2 [11.49]	37.5 [10.99]	35.8 [10.49]	37.5 [10.99]	35.8 [10.49]	34.0 [9.96]	35.6 [10.43]	33.9 [9.94]	32.2 [9.44]	
		Sens BTUH [kW]	25.7 [7.53]	22.4 [6.56]	19.1 [5.60]	30.5 [8.94]	27.2 [7.97]	24.0 [7.03]	35.4 [10.37]	32.2 [9.44]	28.9 [8.47]	
		Power	4.0	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.8	
	110 [43.3]	Total BTUH [kW]	38.1 [11.17]	36.4 [10.67]	34.7 [10.17]	36.3 [10.64]	34.6 [10.14]	32.9 [9.64]	34.5 [10.11]	32.8 [9.61]	31.1 [9.11]	
		Sens BTUH [kW]	25.2 [7.39]	21.9 [6.42]	18.7 [5.48]	30.0 [8.79]	26.8 [7.85]	23.5 [6.89]	34.5 [10.11]	31.7 [9.29]	28.4 [8.32]	
		Power	4.1	4.0	4.0	4.1	4.0	4.0	4.1	4.0	3.9	
	115 [46.1]	Total BTUH [kW]	36.8 [10.78]	35.1 [10.29]	33.4 [9.79]	35.0 [10.26]	33.3 [9.76]	31.6 [9.26]	33.2 [9.73]	31.5 [9.23]	29.8 [8.73]	
		Sens BTUH [kW]	24.7 [7.24]	21.4 [6.27]	18.1 [5.30]	29.5 [8.65]	26.2 [7.68]	23.0 [6.74]	33.2 [9.73]	31.2 [9.14]	27.9 [8.18]	
		Power	4.3	4.2	4.1	4.3	4.2	4.1	4.2	4.2	4.1	

GROSS SYSTEMS PERFORMANCE DATA—A042

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]			1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	1750 [825.9]	1400 [660.7]	1050 [495.5]	
DR ①			.13	.09	.03	.13	.09	.03	.13	.09	.03	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	49.5 [14.51]	47.5 [13.92]	45.6 [13.36]	48.0 [14.07]	46.0 [13.48]	44.0 [12.90]	45.4 [13.31]	43.4 [12.72]	41.5 [12.16]	
		Sens BTUH [kW]	34.5 [10.11]	30.6 [8.97]	26.6 [7.80]	39.5 [11.58]	35.6 [10.43]	31.6 [9.26]	45.4 [13.31]	41.9 [12.28]	37.9 [11.11]	
		Power	3.5	3.4	3.3	3.5	3.4	3.4	3.4	3.3	3.3	
	80 [26.7]	Total BTUH [kW]	49.1 [14.39]	47.1 [13.80]	45.1 [13.22]	47.6 [13.95]	45.6 [13.36]	43.6 [12.78]	45.0 [13.19]	43.0 [12.60]	41.0 [12.02]	
		Sens BTUH [kW]	34.1 [9.99]	30.2 [8.85]	26.2 [7.68]	39.1 [11.46]	35.1 [10.29]	31.2 [9.14]	45.0 [13.19]	41.5 [12.16]	37.5 [10.99]	
		Power	3.8	3.7	3.6	3.8	3.7	3.6	3.7	3.6	3.5	
	85 [29.4]	Total BTUH [kW]	48.6 [14.24]	46.6 [13.66]	44.6 [13.07]	47.1 [13.80]	45.1 [13.22]	43.1 [12.63]	44.5 [13.04]	42.5 [12.46]	40.5 [11.87]	
		Sens BTUH [kW]	33.7 [9.88]	29.8 [8.73]	25.8 [7.56]	38.7 [11.34]	34.7 [10.17]	30.8 [9.03]	44.5 [13.04]	41.0 [12.02]	37.1 [10.87]	
		Power	4.0	3.9	3.8	4.0	3.9	3.8	3.9	3.8	3.7	
	90 [32.2]	Total BTUH [kW]	48.1 [14.10]	46.1 [13.51]	44.1 [12.92]	46.5 [13.63]	44.5 [13.04]	42.6 [12.48]	44.0 [12.90]	42.0 [12.31]	40.0 [11.72]	
		Sens BTUH [kW]	33.3 [9.76]	29.3 [8.59]	25.4 [7.44]	38.3 [11.22]	34.3 [10.05]	30.4 [8.91]	44.0 [12.90]	40.6 [11.90]	36.7 [10.76]	
		Power	4.2	4.1	4.0	4.2	4.1	4.1	4.1	4.0	4.0	
	95 [35]	Total BTUH [kW]	47.4 [13.89]	45.4 [13.31]	43.4 [12.72]	45.8 [13.42]	43.9 [12.87]	41.9 [12.28]	43.3 [12.69]	41.3 [12.10]	39.3 [11.52]	
		Sens BTUH [kW]	32.9 [9.64]	28.9 [8.47]	25.0 [7.33]	37.8 [11.08]	33.9 [9.94]	29.9 [8.76]	43.3 [12.69]	40.2 [11.78]	36.2 [10.61]	
		Power	4.5	4.4	4.3	4.5	4.4	4.3	4.4	4.3	4.2	
	100 [37.8]	Total BTUH [kW]	46.5 [13.63]	44.5 [13.04]	42.5 [12.46]	44.9 [13.16]	42.9 [12.57]	40.9 [11.99]	42.4 [12.43]	40.4 [11.84]	38.4 [11.25]	
		Sens BTUH [kW]	32.3 [9.47]	28.4 [8.32]	24.4 [7.15]	37.3 [10.93]	33.3 [9.76]	29.4 [8.62]	42.4 [12.43]	39.7 [11.63]	35.7 [10.46]	
		Power	4.7	4.6	4.5	4.7	4.6	4.5	4.6	4.5	4.4	
	105 [40.6]	Total BTUH [kW]	45.3 [13.28]	43.3 [12.69]	41.3 [12.10]	43.7 [12.81]	41.7 [12.22]	39.7 [11.63]	41.2 [12.07]	39.2 [11.49]	37.2 [10.90]	
		Sens BTUH [kW]	31.7 [9.29]	27.8 [8.15]	23.8 [6.98]	36.7 [10.76]	32.7 [9.58]	28.8 [8.44]	41.2 [12.07]	39.1 [11.46]	35.1 [10.29]	
		Power	4.9	4.8	4.7	4.9	4.8	4.8	4.8	4.7	4.7	
	110 [43.3]	Total BTUH [kW]	43.7 [12.81]	41.7 [12.22]	39.7 [11.63]	42.2 [12.37]	40.2 [11.78]	38.2 [11.19]	39.6 [11.61]	37.6 [11.02]	35.6 [10.43]	
		Sens BTUH [kW]	31.0 [9.09]	27.0 [7.91]	23.1 [6.77]	35.9 [10.52]	32.0 [9.38]	28.0 [8.21]	39.6 [11.61]	37.6 [11.02]	34.3 [10.05]	
		Power	5.2	5.1	5.0	5.2	5.1	5.0	5.1	5.0	4.9	
	115 [46.1]	Total BTUH [kW]	41.7 [12.22]	39.7 [11.63]	37.7 [11.05]	40.2 [11.78]	38.2 [11.20]	36.2 [10.61]	37.6 [11.02]	35.6 [10.43]	33.6 [9.85]	
		Sens BTUH [kW]	30.0 [8.79]	26.1 [7.65]	22.1 [6.48]	35.0 [10.26]	31.0 [9.09]	27.1 [7.94]	37.6 [11.02]	35.6 [10.43]	33.4 [9.79]	
		Power	5.4	5.3	5.2	5.4	5.3	5.2	5.3	5.2	5.1	

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

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

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

GROSS SYSTEMS PERFORMANCE DATA—A048

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]			2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	2000 [943.9]	1600 [755.1]	1200 [566.3]	
DR ①			.18	.14	.09	.18	.14	.09	.18	.14	.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	54.2 [15.88]	51.9 [15.21]	49.7 [14.57]	52.9 [15.50]	50.6 [14.83]	48.3 [14.16]	51.0 [14.95]	48.7 [14.27]	46.5 [13.63]	
		Sens BTUH [kW]	34.6 [10.14]	30.2 [8.85]	25.8 [7.56]	42.1 [12.34]	37.7 [11.05]	33.3 [9.76]	48.4 [14.18]	44.1 [12.92]	39.7 [11.63]	
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.4	
	80 [26.7]	Total BTUH [kW]	54.1 [15.86]	51.8 [15.18]	49.5 [14.51]	52.7 [15.44]	50.4 [14.77]	48.2 [14.13]	50.9 [14.92]	48.6 [14.24]	46.3 [13.57]	
		Sens BTUH [kW]	34.7 [10.17]	30.3 [8.88]	25.9 [7.59]	42.3 [12.40]	37.9 [11.11]	33.5 [9.82]	48.6 [14.24]	44.2 [12.95]	39.8 [11.66]	
		Power	3.9	3.8	3.7	3.9	3.8	3.7	3.8	3.7	3.6	
	85 [29.4]	Total BTUH [kW]	54.0 [15.83]	51.7 [15.15]	49.4 [14.48]	52.7 [15.44]	50.4 [14.77]	48.1 [14.10]	50.8 [14.89]	48.5 [14.21]	46.2 [13.54]	
		Sens BTUH [kW]	34.7 [10.17]	30.3 [8.88]	25.9 [7.59]	42.3 [12.40]	37.9 [11.11]	33.5 [9.82]	48.6 [14.24]	44.2 [12.95]	39.8 [11.66]	
		Power	4.1	4.0	3.9	4.1	4.0	3.9	4.0	3.9	3.8	
	90 [32.2]	Total BTUH [kW]	53.9 [15.80]	51.7 [15.15]	49.4 [14.48]	52.6 [15.42]	50.3 [14.74]	48.1 [14.10]	50.7 [14.86]	48.5 [14.21]	46.2 [13.54]	
		Sens BTUH [kW]	34.6 [10.14]	30.2 [8.85]	25.8 [7.56]	42.2 [12.37]	37.8 [11.08]	33.4 [9.79]	48.5 [14.21]	44.1 [12.92]	39.7 [11.63]	
		Power	4.3	4.2	4.1	4.3	4.2	4.1	4.2	4.1	4.1	
	95 [35]	Total BTUH [kW]	53.7 [15.74]	51.5 [15.09]	49.2 [14.42]	52.4 [15.36]	50.1 [14.68]	47.9 [14.09]	50.6 [14.83]	48.3 [14.16]	46.0 [13.48]	
		Sens BTUH [kW]	34.5 [10.11]	30.1 [8.82]	25.7 [7.53]	42.0 [12.31]	37.6 [11.02]	33.2 [9.73]	48.4 [14.18]	44.0 [12.90]	39.6 [11.61]	
		Power	4.5	4.4	4.3	4.5	4.4	4.3	4.5	4.4	4.3	
	100 [37.8]	Total BTUH [kW]	53.3 [15.62]	51.0 [14.95]	48.7 [14.27]	52.0 [15.24]	49.7 [14.57]	47.4 [13.89]	50.1 [14.68]	47.8 [14.01]	45.5 [13.33]	
		Sens BTUH [kW]	34.3 [10.05]	30.0 [8.79]	25.6 [7.51]	41.9 [12.28]	37.5 [10.99]	33.1 [9.70]	48.2 [14.13]	43.8 [12.84]	39.5 [11.58]	
		Power	4.7	4.6	4.6	4.7	4.6	4.5	4.7	4.6	4.5	
	105 [40.6]	Total BTUH [kW]	52.5 [15.39]	50.2 [14.71]	47.9 [14.04]	51.1 [14.98]	48.9 [14.33]	46.6 [13.66]	49.3 [14.45]	47.0 [13.77]	44.7 [13.10]	
		Sens BTUH [kW]	34.3 [10.05]	29.9 [8.76]	25.5 [7.47]	41.9 [12.28]	37.5 [10.99]	33.1 [9.70]	48.2 [14.13]	43.8 [12.84]	39.4 [11.55]	
		Power	5.0	4.9	4.8	5.0	4.9	4.8	4.9	4.8	4.7	
	110 [43.3]	Total BTUH [kW]	51.1 [14.98]	48.8 [14.30]	46.6 [13.66]	49.8 [14.59]	47.5 [13.92]	45.2 [13.25]	47.9 [14.04]	45.6 [13.36]	43.4 [12.72]	
		Sens BTUH [kW]	34.4 [10.08]	30.0 [8.79]	25.6 [7.51]	42.0 [12.31]	37.6 [11.02]	33.2 [9.73]	47.9 [14.04]	43.9 [12.87]	39.5 [11.58]	
		Power	5.2	5.1	5.0	5.2	5.1	5.0	5.1	5.0	4.9	
	115 [46.1]	Total BTUH [kW]	49.1 [14.39]	46.9 [13.74]	44.6 [13.07]	47.8 [14.01]	45.5 [13.33]	43.3 [12.69]	46.0 [13.48]	43.7 [12.81]	41.4 [12.13]	
		Sens BTUH [kW]	34.7 [10.17]	30.3 [8.88]	25.9 [7.59]	42.3 [12.40]	37.9 [11.11]	33.5 [9.82]	46.0 [13.48]	43.7 [12.81]	39.8 [11.66]	
		Power	5.4	5.3	5.2	5.4	5.3	5.2	5.3	5.2	5.2	

GROSS SYSTEMS PERFORMANCE DATA—A060

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]			2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	2500 [1179.9]	2000 [943.9]	1500 [707.9]	
DR ①			.18	.14	.09	.18	.14	.09	.18	.14	.09	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	72.7 [21.31]	69.8 [20.46]	66.9 [19.61]	69.3 [20.31]	66.4 [19.46]	63.6 [18.64]	65.8 [19.28]	62.9 [18.43]	60.1 [17.61]	
		Sens BTUH [kW]	46.0 [13.48]	40.5 [11.87]	35.0 [10.26]	54.6 [16.00]	49.1 [14.39]	43.6 [12.78]	62.7 [18.38]	57.2 [16.76]	51.7 [15.15]	
		Power	4.6	4.5	4.3	4.5	4.4	4.3	4.4	4.3	4.2	
	80 [26.7]	Total BTUH [kW]	72.2 [21.16]	69.3 [20.31]	66.4 [19.46]	68.8 [20.16]	65.9 [19.31]	63.0 [18.46]	65.3 [19.14]	62.4 [18.29]	59.6 [17.47]	
		Sens BTUH [kW]	45.5 [13.33]	40.0 [11.72]	34.5 [10.11]	54.0 [15.83]	48.5 [14.21]	43.1 [12.63]	62.1 [18.20]	56.6 [16.59]	51.2 [15.01]	
		Power	4.9	4.8	4.6	4.8	4.7	4.6	4.7	4.6	4.5	
	85 [29.4]	Total BTUH [kW]	71.4 [20.93]	68.6 [20.10]	65.7 [19.25]	68.1 [19.96]	65.2 [19.11]	62.3 [18.26]	64.6 [18.93]	61.7 [18.08]	58.8 [17.23]	
		Sens BTUH [kW]	45.0 [13.19]	39.5 [11.58]	34.0 [9.96]	53.5 [15.68]	48.1 [14.10]	42.6 [12.48]	61.6 [18.05]	56.2 [16.47]	50.7 [14.86]	
		Power	5.2	5.1	4.9	5.1	5.0	4.9	5.0	4.9	4.8	
	90 [32.2]	Total BTUH [kW]	70.5 [20.66]	67.6 [19.81]	64.8 [18.99]	67.1 [19.66]	64.2 [18.82]	61.4 [17.99]	63.6 [18.64]	60.8 [17.82]	57.9 [16.97]	
		Sens BTUH [kW]	44.5 [13.04]	39.0 [11.43]	33.5 [9.82]	53.1 [15.56]	47.6 [13.95]	42.1 [12.34]	61.1 [17.91]	55.7 [16.32]	50.2 [14.71]	
		Power	5.5	5.3	5.2	5.4	5.3	5.2	5.3	5.2	5.1	
	95 [35]	Total BTUH [kW]	69.3 [20.31]	66.4 [19.46]	63.5 [18.61]	65.9 [19.31]	63.0 [18.46]	60.2 [17.64]	62.4 [18.29]	59.6 [17.47]	56.7 [16.62]	
		Sens BTUH [kW]	43.9 [12.87]	38.5 [11.28]	33.0 [9.67]	52.5 [15.39]	47.0 [13.77]	41.5 [12.16]	60.7 [17.79]	55.1 [16.15]	49.6 [14.54]	
		Power	5.8	5.6	5.5	5.7	5.6	5.5	5.6	5.5	5.4	
	100 [37.8]	Total BTUH [kW]	67.8 [19.87]	64.9 [19.02]	62.0 [18.17]	64.4 [18.87]	61.5 [18.02]	58.7 [17.20]	60.9 [17.85]	58.0 [17.00]	55.2 [16.18]	
		Sens BTUH [kW]	43.3 [12.69]	37.8 [11.08]	32.3 [9.47]	51.9 [15.21]	46.4 [13.60]	40.9 [11.99]	60.0 [17.58]	54.5 [15.97]	49.0 [14.36]	
		Power	6.0	5.9	5.8	6.0	5.9	5.8	5.9	5.8	5.7	
	105 [40.6]	Total BTUH [kW]	66.0 [19.34]	63.1 [18.49]	60.2 [17.64]	62.6 [18.35]	59.7 [17.50]	56.8 [16.65]	59.1 [17.32]	56.2 [16.47]	53.4 [15.65]	
		Sens BTUH [kW]	42.4 [12.43]	37.0 [10.84]	31.5 [9.23]	51.0 [14.95]	45.5 [13.33]	40.0 [11.72]	59.1 [17.32]	53.6 [15.71]	48.1 [14.10]	
		Power	6.3	6.2	6.1	6.3	6.2	6.1	6.2	6.1	6.0	
	110 [43.3]	Total BTUH [kW]	63.8 [18.70]	60.9 [17.85]	58.1 [17.03]	60.4 [17.70]	57.5 [16.85]	54.7 [16.03]	56.9 [16.68]	54.1 [15.86]	51.2 [15.01]	
		Sens BTUH [kW]	41.3 [12.10]	35.9 [10.52]	30.4 [8.91]	49.9 [14.62]	44.4 [13.01]	38.9 [11.40]	56.9 [16.68]	52.5 [15.39]	47.0 [13.77]	
		Power	6.6	6.5	6.4	6.6	6.5	6.4	6.5	6.4	6.3	
	115 [46.1]	Total BTUH [kW]	61.2 [17.94]	58.4 [17.12]	55.5 [16.27]	57.9 [16.97]	55.0 [16.12]	52.1 [15.27]	54.4 [15.94]	51.5 [15.09]	48.6 [14.24]	
		Sens BTUH [kW]	39.9 [11.69]	34.5 [10.11]	29.0 [8.50]	48.5 [14.21]	43.0 [12.60]	37.5 [10.99]	54.4 [15.94]	51.1 [14.98]	45.6 [13.36]	
		Power	6.9	6.8	6.7	6.9	6.8	6.7	6.8	6.7	6.5	

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

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TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

GROSS SYSTEMS PERFORMANCE DATA—A073

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]			3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	
DR ①			.24	.21	.18	.24	.21	.18	.24	.21	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	84.7 [24.82]	81.3 [23.83]	77.8 [22.80]	81.6 [23.91]	78.2 [22.92]	74.8 [21.92]	76.2 [22.33]	72.7 [21.31]	69.3 [20.31]	
		Sens BTUH [kW]	52.0 [15.24]	45.7 [13.39]	39.4 [11.55]	61.5 [18.02]	55.3 [16.21]	49.0 [14.36]	69.5 [20.37]	63.2 [18.52]	56.9 [16.68]	
		Power	5.2	5.1	5.0	5.2	5.1	4.9	5.1	4.9	4.8	
	80 [26.7]	Total BTUH [kW]	84.2 [24.68]	80.8 [23.68]	77.4 [22.68]	81.2 [23.80]	77.7 [22.77]	74.3 [21.78]	75.7 [22.19]	72.3 [21.19]	68.8 [20.16]	
		Sens BTUH [kW]	51.7 [15.15]	45.4 [13.31]	39.1 [11.46]	61.2 [17.94]	54.9 [16.09]	48.6 [14.24]	69.2 [20.28]	62.9 [18.43]	56.6 [16.59]	
		Power	5.6	5.4	5.3	5.5	5.4	5.2	5.4	5.3	5.1	
	85 [29.4]	Total BTUH [kW]	83.7 [24.53]	80.3 [23.53]	76.8 [22.51]	80.6 [23.62]	77.2 [22.63]	73.8 [21.63]	75.1 [22.01]	71.7 [21.01]	68.3 [20.02]	
		Sens BTUH [kW]	51.4 [15.06]	45.1 [13.22]	38.8 [11.37]	60.9 [17.85]	54.6 [16.00]	48.4 [14.18]	68.9 [20.19]	62.6 [18.35]	56.3 [16.50]	
		Power	5.9	5.7	5.6	5.8	5.7	5.6	5.7	5.6	5.5	
	90 [32.2]	Total BTUH [kW]	82.9 [24.30]	79.5 [23.30]	76.1 [22.30]	79.9 [23.42]	76.5 [22.42]	73.0 [21.39]	74.4 [21.80]	71.0 [20.81]	67.6 [19.81]	
		Sens BTUH [kW]	51.1 [14.98]	44.8 [13.13]	38.5 [11.28]	60.6 [17.76]	54.3 [15.91]	48.0 [14.07]	68.6 [20.10]	62.3 [18.26]	56.0 [16.41]	
		Power	6.2	6.1	5.9	6.2	6.0	5.9	6.0	5.9	5.8	
	95 [35]	Total BTUH [kW]	81.8 [23.97]	78.4 [22.98]	75.0 [21.98]	78.8 [23.09]	75.4 [22.10]	71.9 [21.07]	73.3 [21.48]	69.9 [20.49]	66.4 [19.46]	
		Sens BTUH [kW]	50.6 [14.83]	44.3 [12.98]	38.0 [11.14]	60.1 [17.61]	53.9 [15.80]	47.6 [13.95]	68.1 [19.96]	61.8 [18.11]	55.5 [16.27]	
		Power	6.5	6.4	6.3	6.5	6.3	6.2	6.4	6.2	6.1	
	100 [37.8]	Total BTUH [kW]	80.2 [23.50]	76.8 [22.51]	73.4 [21.51]	77.2 [22.63]	73.7 [21.60]	70.3 [20.60]	71.7 [21.01]	68.2 [19.99]	64.8 [18.99]	
		Sens BTUH [kW]	49.9 [14.62]	43.6 [12.78]	37.4 [10.96]	59.5 [17.44]	53.2 [15.59]	46.9 [13.75]	67.4 [19.75]	61.1 [17.91]	54.9 [16.09]	
		Power	6.8	6.7	6.6	6.8	6.7	6.5	6.7	6.6	6.4	
	105 [40.6]	Total BTUH [kW]	77.9 [22.83]	74.5 [21.83]	71.1 [20.84]	74.9 [21.95]	71.4 [20.93]	68.0 [19.93]	69.4 [20.34]	66.0 [19.34]	62.5 [18.32]	
		Sens BTUH [kW]	48.9 [14.33]	42.6 [12.48]	36.4 [10.67]	58.5 [17.14]	52.2 [15.30]	45.9 [13.45]	66.4 [19.46]	60.1 [17.61]	53.9 [15.80]	
		Power	7.2	7.0	6.9	7.1	7.0	6.9	7.0	6.9	6.8	
	110 [43.3]	Total BTUH [kW]	74.8 [21.92]	71.4 [20.93]	67.9 [19.90]	71.7 [21.01]	68.3 [20.02]	64.9 [19.02]	66.2 [19.40]	62.8 [18.40]	59.4 [17.41]	
		Sens BTUH [kW]	47.5 [13.92]	41.2 [12.07]	35.0 [10.26]	57.1 [16.73]	50.8 [14.89]	44.5 [13.04]	65.0 [19.05]	58.7 [17.20]	52.5 [15.39]	
		Power	7.5	7.4	7.2	7.4	7.3	7.2	7.3	7.2	7.1	
	115 [46.1]	Total BTUH [kW]	70.7 [20.72]	67.2 [19.69]	63.8 [18.70]	67.6 [19.81]	64.2 [18.82]	60.8 [17.82]	62.1 [18.20]	58.7 [17.20]	55.3 [16.21]	
		Sens BTUH [kW]	45.6 [13.36]	39.3 [11.52]	33.0 [9.67]	55.2 [16.18]	48.9 [14.33]	42.6 [12.48]	62.1 [18.20]	56.8 [16.65]	50.6 [14.83]	
		Power	7.8	7.7	7.6	7.8	7.6	7.5	7.7	7.5	7.4	

GROSS SYSTEMS PERFORMANCE DATA—A085

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]			3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	3560 [1680.1]	2850 [1345.1]	2140 [1010.0]	
DR ①			.16	.12	.07	.16	.12	.07	.16	.12	.07	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	102.3 [29.97]	98.2 [28.77]	94.2 [27.60]	95.7 [28.04]	91.6 [26.84]	87.6 [25.67]	92.9 [27.22]	88.9 [26.05]	84.8 [24.85]	
		Sens BTUH [kW]	64.5 [18.90]	56.6 [16.58]	48.7 [14.27]	75.6 [22.15]	67.7 [19.84]	59.8 [17.52]	87.2 [25.55]	79.2 [23.21]	71.3 [20.90]	
		Power	6.6	6.4	6.2	6.5	6.3	6.1	6.4	6.2	6.1	
	80 [26.7]	Total BTUH [kW]	101.9 [29.86]	97.8 [28.66]	93.7 [27.45]	95.3 [27.92]	91.2 [26.72]	87.1 [25.52]	92.5 [27.10]	88.4 [25.90]	84.4 [24.73]	
		Sens BTUH [kW]	64.6 [18.93]	56.7 [16.61]	48.8 [14.30]	75.8 [22.21]	67.9 [19.89]	59.9 [17.55]	87.3 [25.58]	79.4 [23.26]	71.4 [20.92]	
		Power	7.0	6.8	6.7	6.9	6.7	6.5	6.8	6.6	6.5	
	85 [29.4]	Total BTUH [kW]	101.5 [29.74]	97.4 [28.54]	93.3 [27.34]	94.9 [27.81]	90.8 [26.60]	86.8 [25.43]	92.1 [26.99]	88.1 [25.81]	84.0 [24.61]	
		Sens BTUH [kW]	64.8 [18.99]	56.9 [16.67]	49.0 [14.36]	75.9 [22.24]	68.0 [19.92]	60.1 [17.61]	87.4 [25.61]	79.5 [23.29]	71.6 [20.98]	
		Power	7.4	7.2	7.1	7.3	7.1	6.9	7.2	7.0	6.9	
	90 [32.2]	Total BTUH [kW]	101.0 [29.59]	96.9 [28.39]	92.8 [27.19]	94.4 [27.66]	90.3 [26.46]	86.3 [25.29]	91.6 [26.84]	87.6 [25.67]	83.5 [24.47]	
		Sens BTUH [kW]	64.9 [19.02]	56.9 [16.67]	49.0 [14.36]	76.0 [22.27]	68.1 [19.95]	60.1 [17.61]	87.5 [25.64]	79.6 [23.32]	71.7 [21.01]	
		Power	7.8	7.6	7.5	7.7	7.5	7.3	7.6	7.4	7.3	
	95 [35]	Total BTUH [kW]	100.2 [29.36]	96.1 [28.16]	92.0 [26.96]	93.6 [18.06]	89.5 [26.22]	85.5 [25.05]	90.8 [26.60]	86.8 [25.43]	82.7 [24.23]	
		Sens BTUH [kW]	64.7 [18.96]	56.8 [16.64]	48.9 [14.33]	75.8 [22.21]	67.9 [19.89]	60.0 [17.58]	87.4 [25.61]	79.4 [23.26]	71.5 [20.95]	
		Power	8.2	8.0	7.9	8.1	7.9	7.7	8.0	7.9	7.7	
	100 [37.8]	Total BTUH [kW]	98.9 [28.98]	94.9 [27.81]	90.8 [26.60]	92.4 [27.07]	88.3 [25.87]	84.2 [24.67]	89.6 [26.25]	85.5 [25.05]	81.4 [23.85]	
		Sens BTUH [kW]	64.2 [18.81]	56.3 [16.50]	48.4 [14.18]	75.4 [22.09]	67.4 [19.75]	59.5 [17.43]	86.9 [25.46]	78.9 [23.12]	71.0 [20.81]	
		Power	8.6	8.4	8.3	8.5	8.3	8.2	8.4	8.3	8.1	
	105 [40.6]	Total BTUH [kW]	97.0 [28.42]	93.0 [27.25]	88.9 [26.05]	90.5 [26.52]	86.4 [25.32]	82.3 [24.11]	87.7 [25.70]	83.6 [24.50]	79.6 [23.32]	
		Sens BTUH [kW]	63.3 [18.55]	55.3 [16.20]	47.4 [13.89]	74.4 [21.80]	66.5 [19.48]	58.6 [17.17]	85.9 [25.17]	78.0 [22.85]	70.1 [20.54]	
		Power	9.0	8.8	8.7	8.9	8.7	8.6	8.8	8.7	8.5	
	110 [43.3]	Total BTUH [kW]	94.4 [27.66]	90.3 [26.46]	86.2 [25.26]	87.8 [25.73]	83.7 [24.52]	79.6 [23.32]	85.0 [24.91]	80.9 [23.70]	76.9 [22.53]	
		Sens BTUH [kW]	61.7 [18.08]	53.8 [15.76]	45.9 [13.45]	72.9 [21.36]	64.9 [19.02]	57.0 [16.70]	84.4 [24.73]	76.4 [22.39]	68.5 [20.07]	
		Power	9.4	9.3	9.1	9.3	9.1	9.0	9.2	9.1	8.9	
	115 [46.1]	Total BTUH [kW]	90.7 [26.58]	86.6 [25.37]	82.6 [24.20]	84.1 [24.64]	80.1 [23.47]	76.0 [22.27]	81.4 [23.85]	77.3 [22.65]	73.2 [21.45]	
		Sens BTUH [kW]	59.5 [17.43]	51.6 [15.12]	43.6 [12.77]	70.6 [20.69]	62.7 [18.37]	54.8 [16.06]	81.4 [23.85]	74.2 [21.74]	66.3 [19.43]	
		Power	9.8	9.7	9.5	9.7	9.5	9.4	9.6	9.5	9.3	

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

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

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

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKA Series — 3 – 7.5 Tons *(cont'd)*

GROSS SYSTEMS PERFORMANCE DATA—A072

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]			3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	3000 [1415.8]	2400 [1132.7]	1800 [849.5]	
DR ①			.19	.15	.10	.19	.15	.10	.19	.15	.10	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	83.5 [24.47]	80.1 [23.47]	76.7 [22.48]	81.6 [23.91]	78.2 [22.92]	74.8 [21.92]	77.1 [22.60]	73.7 [21.60]	70.3 [20.60]	
		Sens BTUH [kW]	55.3 [16.21]	48.7 [14.27]	42.2 [12.37]	64.6 [18.93]	58.0 [17.00]	51.5 [15.09]	74.1 [21.72]	67.6 [19.81]	61.0 [17.88]	
		Power	4.8	4.7	4.6	4.9	4.8	4.7	4.7	4.6	4.5	
	80 [26.7]	Total BTUH [kW]	82.8 [24.27]	79.4 [23.27]	76.0 [22.27]	80.9 [23.71]	77.5 [22.71]	74.1 [21.72]	76.4 [22.39]	73.0 [21.39]	69.6 [20.40]	
		Sens BTUH [kW]	55.2 [16.18]	48.6 [14.24]	42.1 [12.34]	64.5 [18.90]	57.9 [16.97]	51.4 [15.06]	74.0 [21.69]	67.5 [19.78]	60.9 [17.85]	
		Power	5.2	5.0	4.9	5.3	5.1	5.0	5.1	4.9	4.8	
	85 [29.4]	Total BTUH [kW]	82.2 [24.09]	78.8 [23.09]	75.4 [22.10]	80.3 [23.53]	76.9 [22.54]	73.5 [21.54]	75.8 [22.21]	72.4 [21.22]	69.0 [20.22]	
		Sens BTUH [kW]	54.7 [16.03]	48.2 [14.13]	41.7 [12.22]	64.0 [18.76]	57.5 [16.85]	51.0 [14.95]	73.6 [21.57]	67.1 [19.67]	60.5 [17.73]	
		Power	5.5	5.4	5.2	5.6	5.5	5.3	5.4	5.3	5.2	
	90 [32.2]	Total BTUH [kW]	81.5 [23.89]	78.1 [22.89]	74.7 [21.89]	79.6 [23.33]	76.2 [22.33]	72.8 [21.34]	75.1 [22.01]	71.7 [21.01]	68.3 [20.02]	
		Sens BTUH [kW]	54.1 [15.86]	47.5 [13.92]	41.0 [12.02]	63.4 [18.58]	56.8 [16.65]	50.3 [14.74]	72.9 [21.36]	66.4 [19.46]	59.8 [17.53]	
		Power	5.8	5.7	5.6	5.9	5.8	5.7	5.7	5.6	5.5	
	95 [35]	Total BTUH [kW]	80.6 [23.62]	77.2 [22.63]	73.7 [21.60]	78.7 [23.06]	75.3 [22.07]	71.9 [21.07]	74.2 [21.75]	70.7 [20.72]	67.3 [19.72]	
		Sens BTUH [kW]	53.2 [15.59]	46.7 [13.69]	40.2 [11.78]	62.5 [18.32]	56.0 [16.41]	49.5 [14.51]	72.1 [21.13]	65.5 [19.20]	59.0 [17.29]	
		Power	6.2	6.0	5.9	6.3	6.1	6.0	6.1	6.0	5.8	
	100 [37.8]	Total BTUH [kW]	79.3 [23.24]	75.8 [22.21]	72.4 [21.22]	77.4 [22.68]	74.0 [21.69]	70.5 [20.66]	72.8 [21.34]	69.4 [20.34]	66.0 [19.34]	
		Sens BTUH [kW]	52.3 [15.33]	45.8 [13.42]	39.2 [11.49]	61.6 [18.05]	55.1 [16.15]	48.5 [14.21]	71.1 [20.84]	64.6 [18.93]	58.1 [17.03]	
		Power	6.5	6.4	6.2	6.6	6.5	6.4	6.4	6.3	6.2	
	105 [40.6]	Total BTUH [kW]	77.4 [22.68]	74.0 [21.69]	70.6 [20.69]	75.5 [22.13]	72.1 [21.13]	68.7 [20.13]	71.0 [20.81]	67.6 [19.81]	64.1 [18.79]	
		Sens BTUH [kW]	51.4 [15.06]	44.9 [13.16]	38.3 [11.22]	60.7 [17.79]	54.2 [15.88]	47.6 [13.95]	70.2 [20.57]	63.7 [18.67]	57.2 [16.76]	
		Power	6.8	6.7	6.6	6.9	6.8	6.7	6.8	6.6	6.5	
	110 [43.3]	Total BTUH [kW]	74.8 [21.92]	71.4 [20.93]	68.0 [19.93]	72.9 [21.36]	69.5 [20.37]	66.1 [19.37]	68.4 [20.05]	65.0 [19.05]	61.6 [18.05]	
		Sens BTUH [kW]	50.6 [14.83]	44.1 [12.92]	37.5 [10.99]	59.9 [17.55]	53.3 [15.62]	46.8 [13.72]	68.4 [20.05]	62.9 [18.43]	56.4 [16.53]	
		Power	7.2	7.1	6.9	7.3	7.2	7.0	7.1	7.0	6.8	
	115 [46.1]	Total BTUH [kW]	71.4 [20.93]	68.0 [19.93]	64.6 [18.93]	69.5 [20.37]	66.1 [19.37]	62.7 [18.38]	65.0 [19.05]	61.6 [18.05]	58.2 [17.06]	
		Sens BTUH [kW]	49.9 [14.62]	43.4 [12.72]	36.9 [10.81]	59.2 [17.35]	52.7 [15.44]	46.2 [13.54]	65.0 [19.05]	61.6 [18.05]	55.7 [16.32]	
		Power	7.5	7.4	7.3	7.6	7.5	7.4	7.4	7.3	7.2	

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

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series — 7.5 – 12.5 Tons

Unit Dimensions

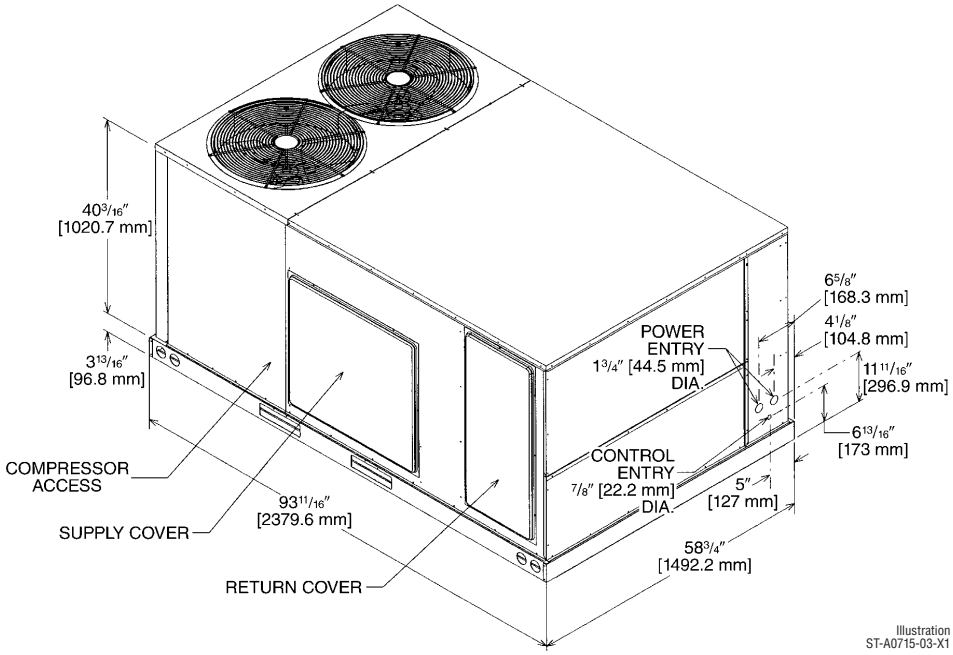
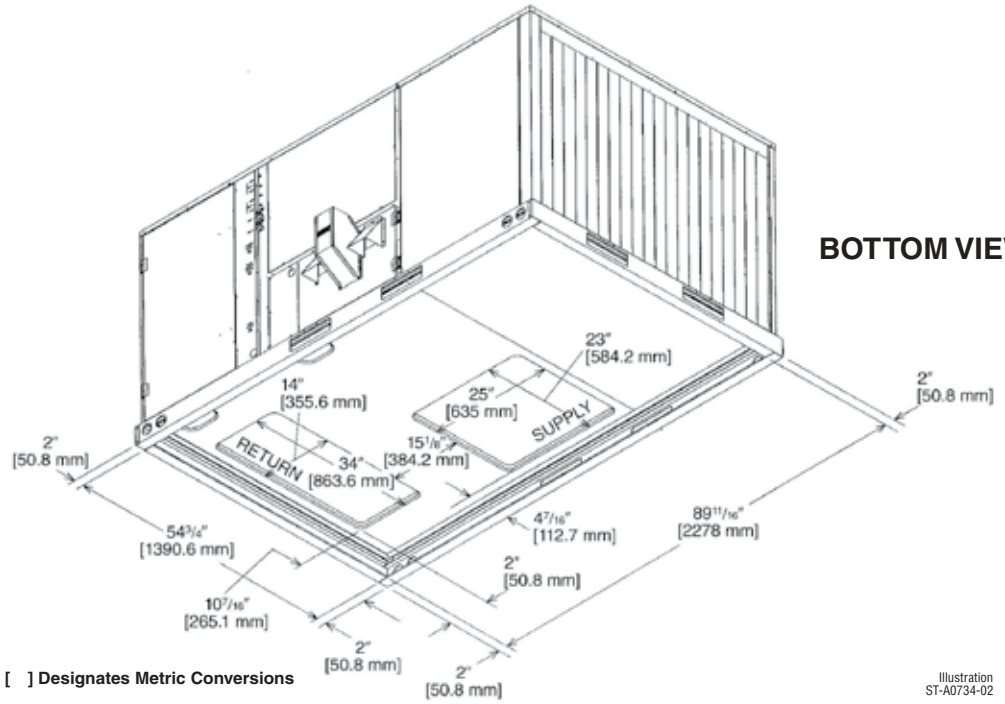


Illustration ST-A0715-03-X1



BOTTOM VIEW

[ ] Designates Metric Conversions

Illustration ST-A0734-02

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series — 7.5 – 12.5 Tons *(cont'd)*

Unit Dimensions *(cont'd)*

SUPPLY AND RETURN DIMENSIONS FOR HORIZONTAL APPLICATIONS

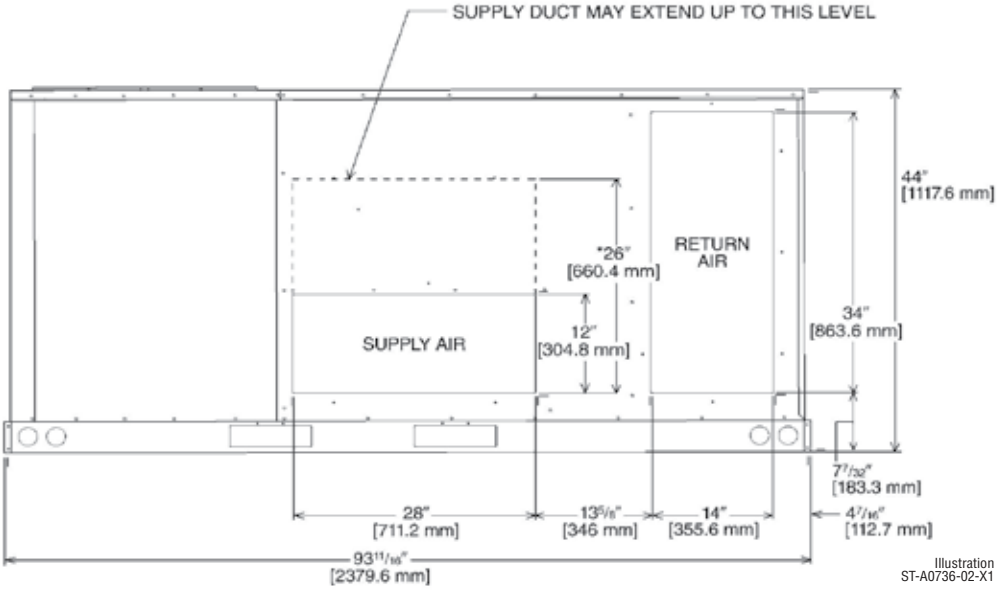


Illustration ST-A0736-02-X1

***RECOMMENDED DUCT DIMENSIONS ARE 26"**

SUPPLY AND RETURN DIMENSIONS FOR DOWNFLOW APPLICATIONS

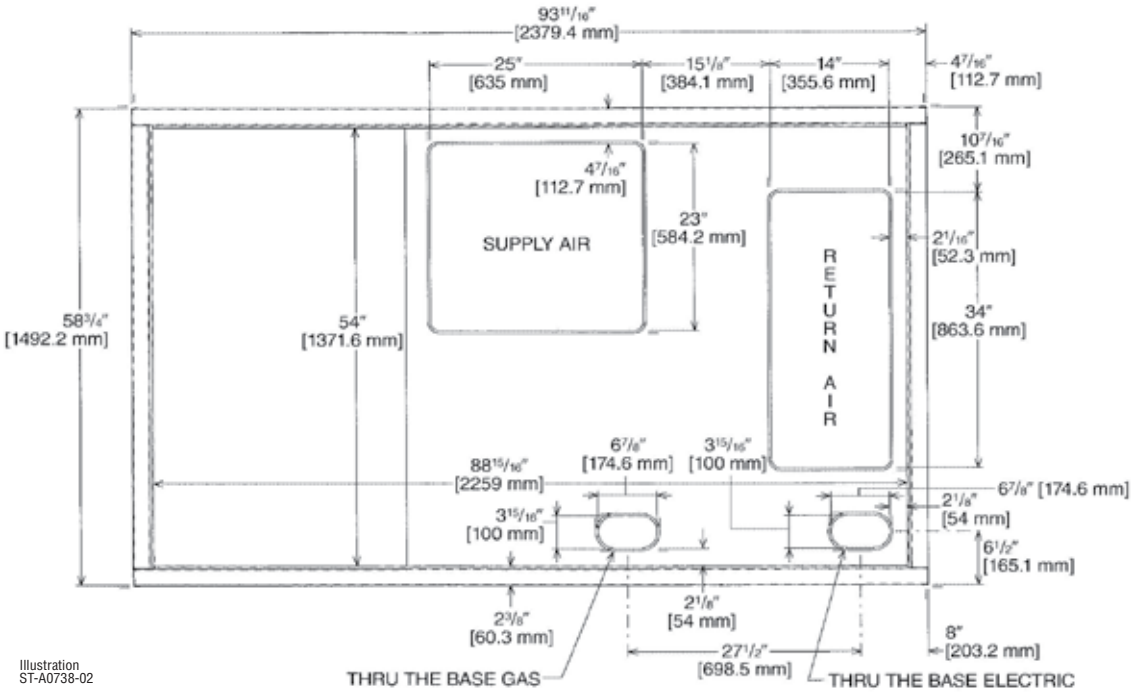


Illustration ST-A0738-02

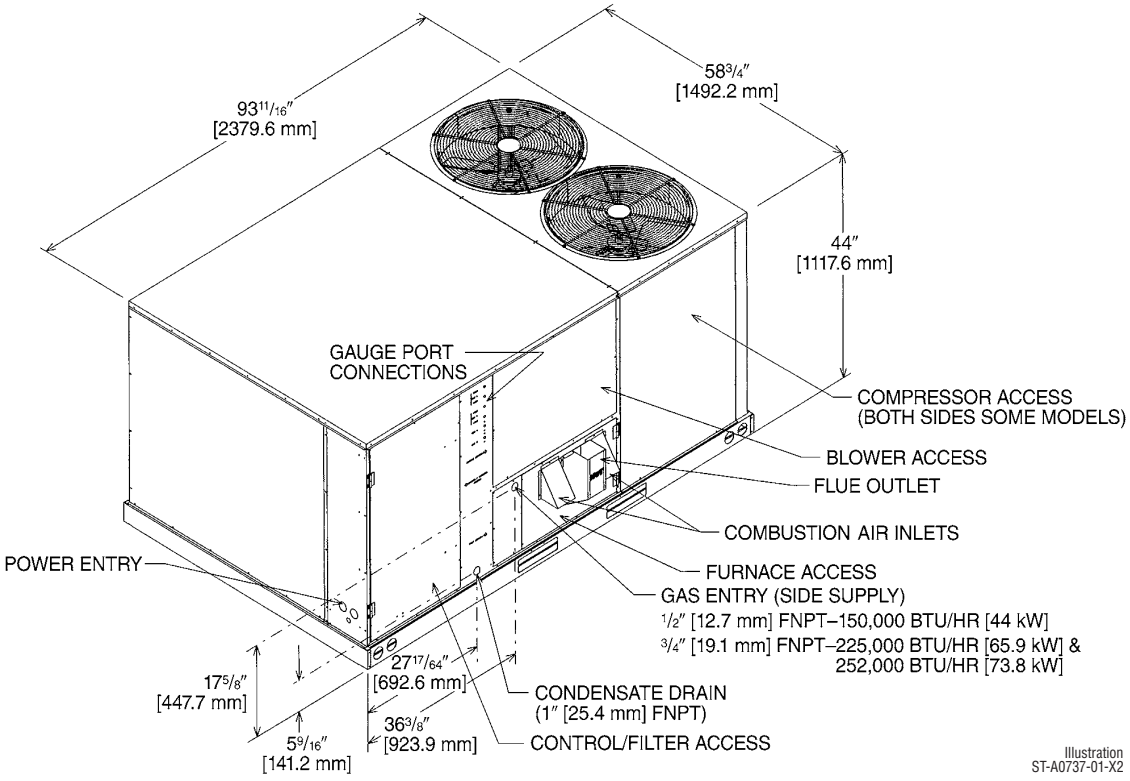
[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

Unit Dimensions *(cont'd)*



[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series — 7.5 – 12.5 Tons *(cont'd)*

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%

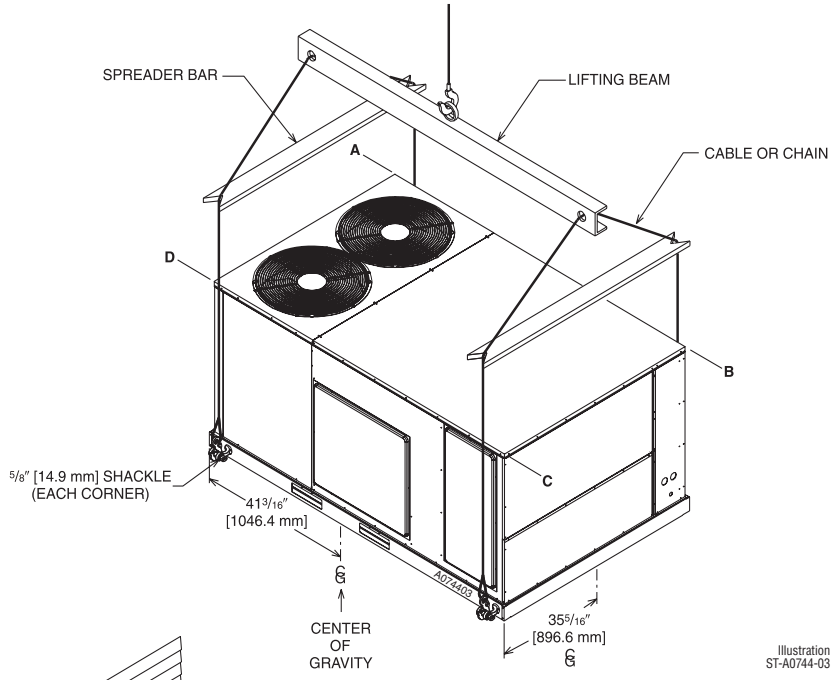
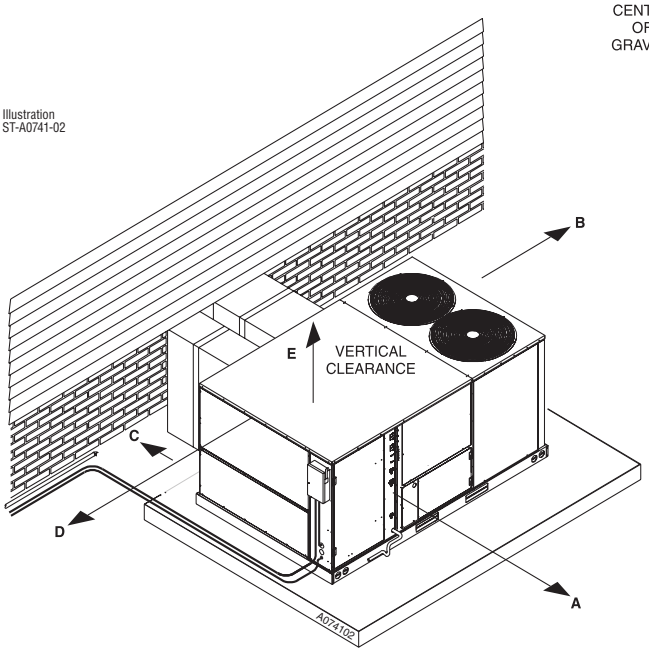


Illustration ST-A0744-03

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

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series — 7.5 – 12.5 Tons *(cont'd)*

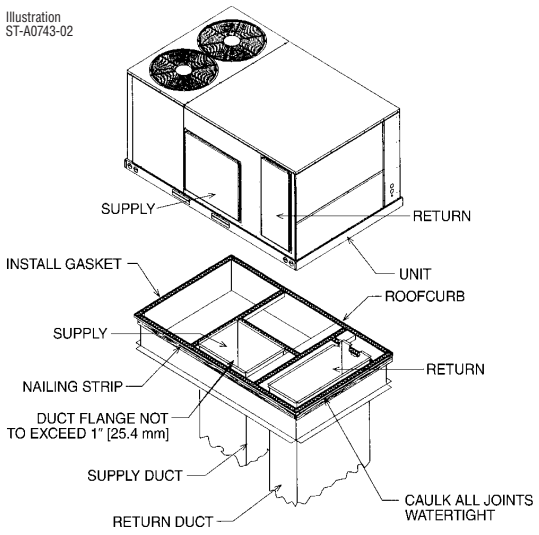
Roofcurbs (Full Perimeter)

- 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-BAE14	14" [356 mm]
RXKG-BAE24	24" [610 mm]

TYPICAL INSTALLATION

Illustration
ST-A0743-02



ROOFCURB INSTALLATION

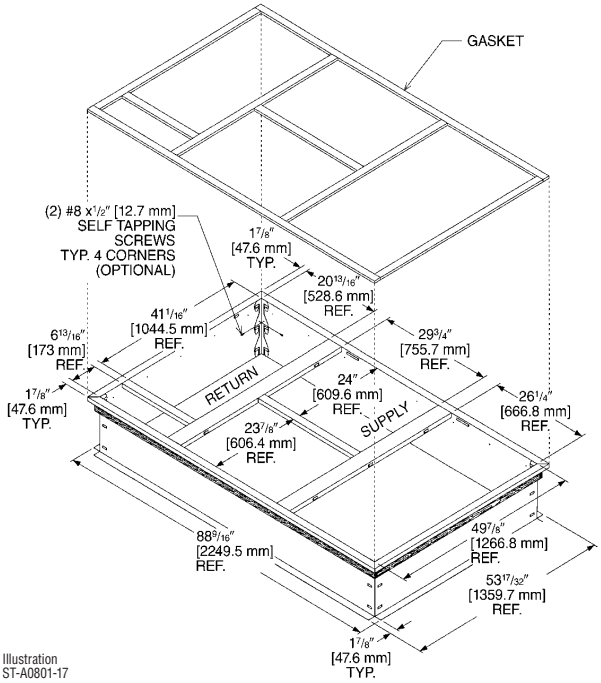
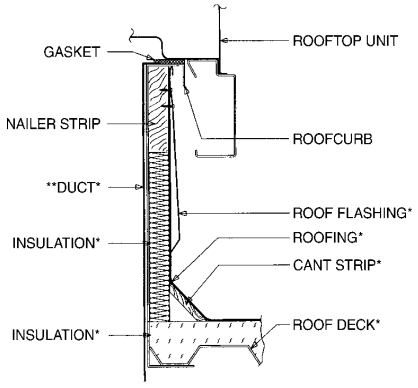


Illustration
ST-A0801-17

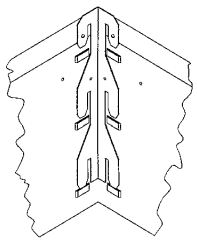


*BY CONTRACTOR

**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

CORNER DETAIL



– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

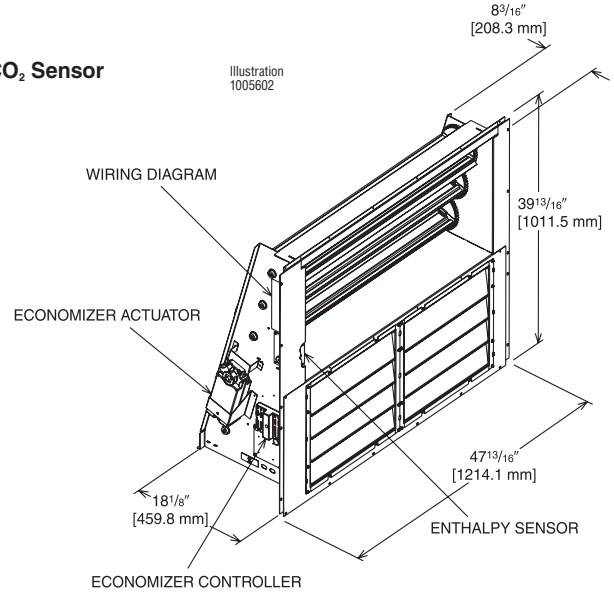
TECHNICAL DATA *(cont'd)*

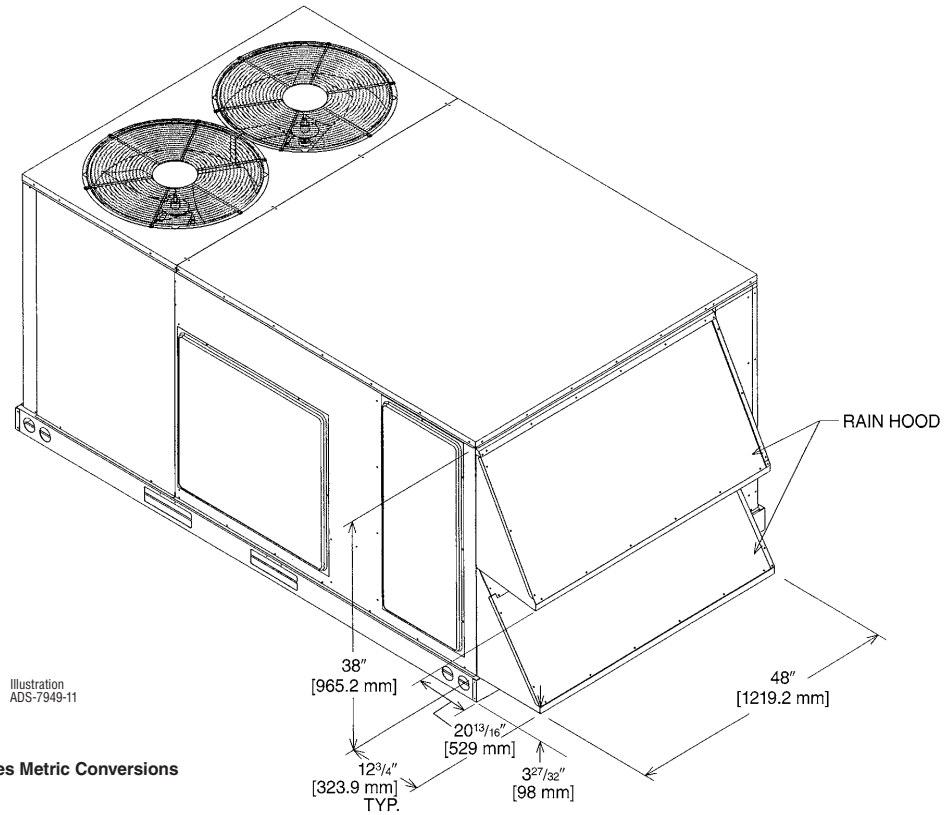
RKKB Series — 7.5 to 12.5 Tons *(cont'd)*

Economizers

RXRD-KDCM3—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

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series – 7.5 to 12.5 Tons *(cont'd)*

Fresh Air Damper

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

DOWNFLOW APPLICATION

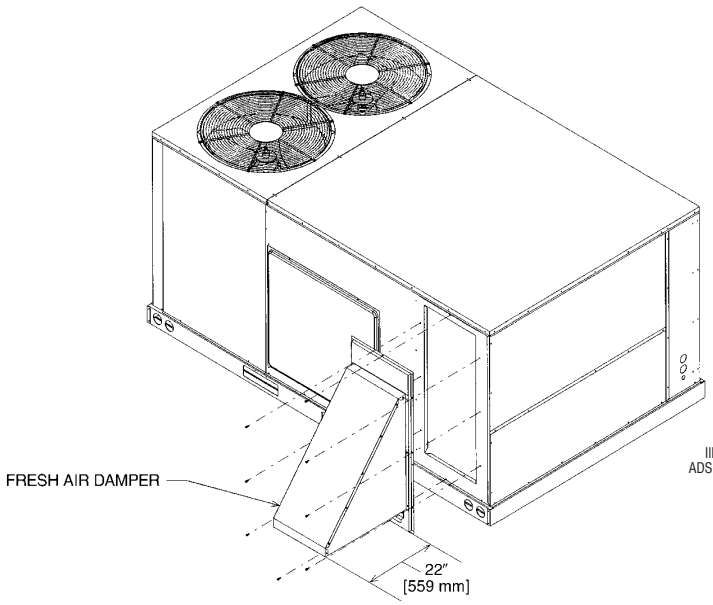
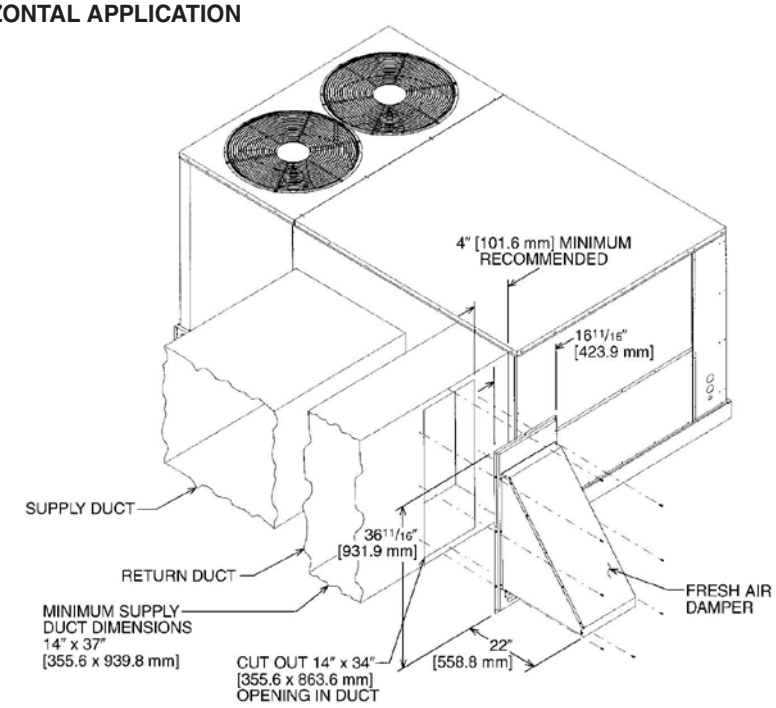


Illustration
ADS-7937-58

HORIZONTAL APPLICATION

Illustration
ST-A0901-01



[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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/Copeland Scroll	2/Copeland Scroll	2/Copeland Scroll	2/Copeland 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]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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.

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKKB Series— 7.5 – 12.5 Tons *(cont'd)*

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

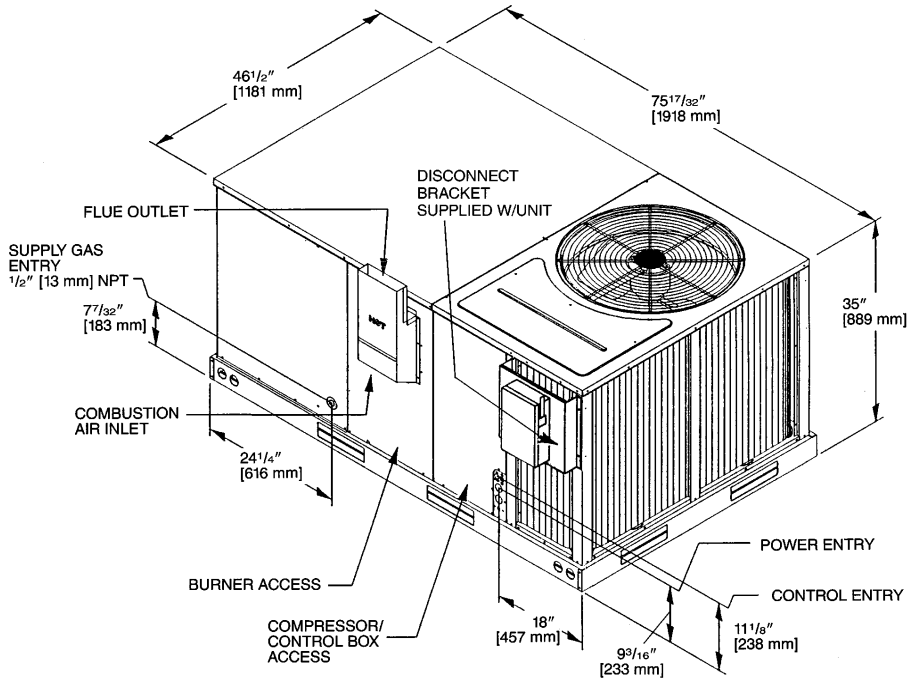
NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

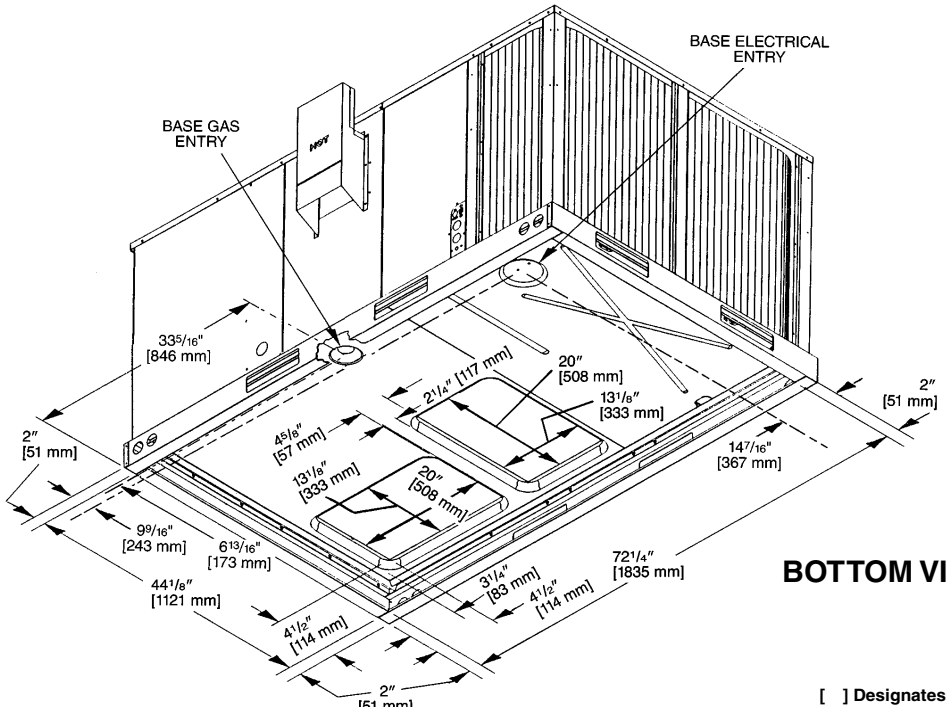
[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER

Unit Dimensions





BOTTOM VIEW

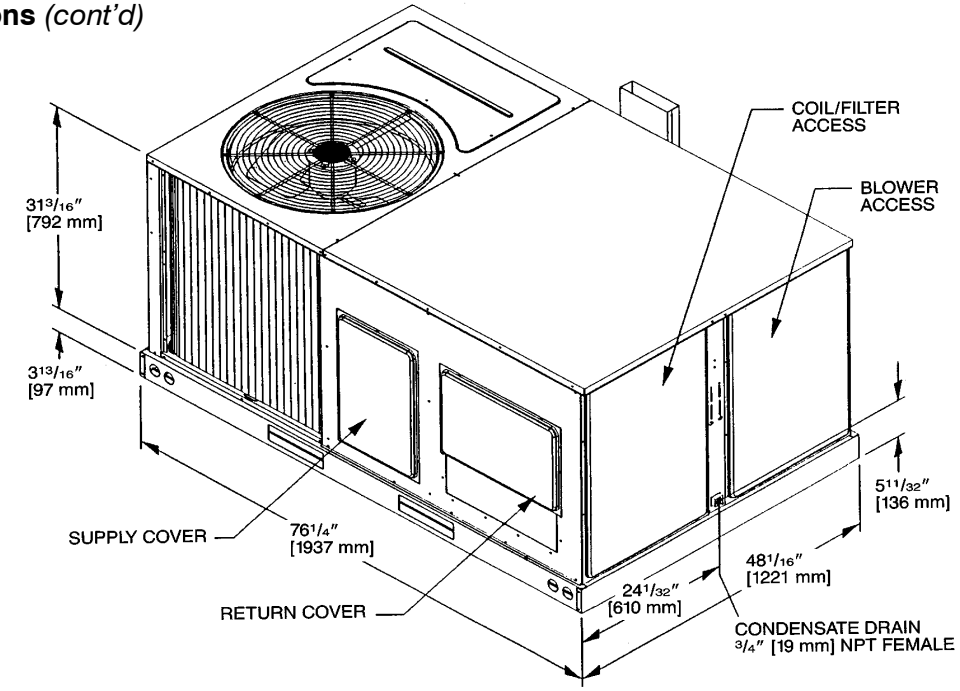
[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

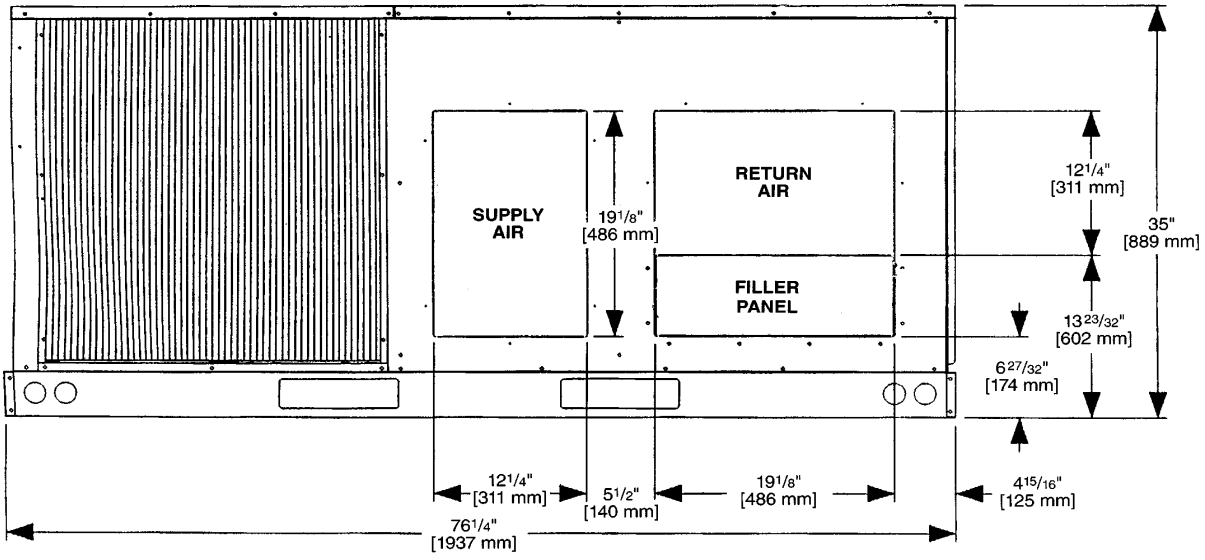
TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER *(cont'd)*

Unit Dimensions *(cont'd)*



SUPPLY AND RETURN DIMENSIONS



[ ] Designates Metric Conversions

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TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER *(cont'd)*

Weights

Accessory	3-5 Ton [10.6-17.6 kW]	
	Shipping lbs [kg]	Operating lbs [kg]
Economizer with Single Enthalapy	70 [32]	60 [27]
Power Exhaust	19 [9]	16 [7]
Fresh Air Damper (Manual)	11 [5]	9 [4]
Fresh Air Damper (Motorized)	13 [6]	11 [5]
Roof Curb 14"	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]

CENTER OF GRAVITY (C.G.)

Capacity Tons [kW]	A in. [mm]	B in. [mm]
3-5 [10.6-17.6]	38 1/4 [972]	25 3/4 [654]

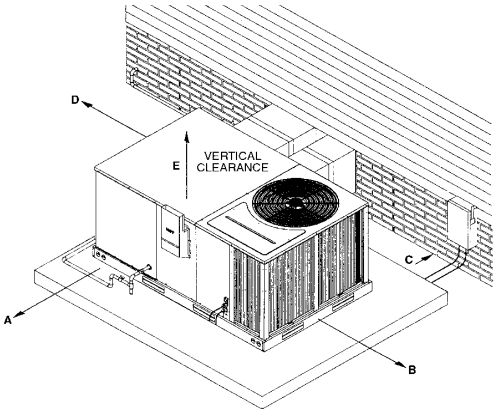
Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
3-5 [10.6-17.6]	22%	27%	23%	28%

CLEARANCES
(3 to 5 Ton [10.6 to 17.6 kW] Models)

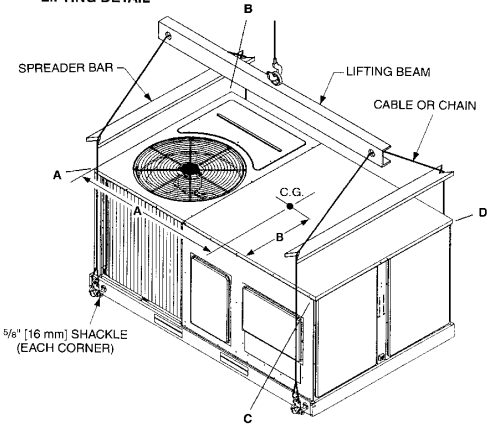
The following minimum clearances are recommended for proper unit performance and serviceability.

Recommended Clearance in. [mm]	Location
48 [1219]	A - Front
18 [457]	B - Condenser Coil
12 [305]	C - Duct Side
36 [914]	D - Evaporator End
60 [1524]	E - Above
*Without Economizer. 57" [1448 mm] With Economizer	

NOTE: Supply duct may be installed with "0" inch clearance to combustible materials, provided 1" [25.4 mm] minimum Fiberglass insulation is applied either inside or on the outside of the duct.



LIFTING DETAIL



[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER *(cont'd)*

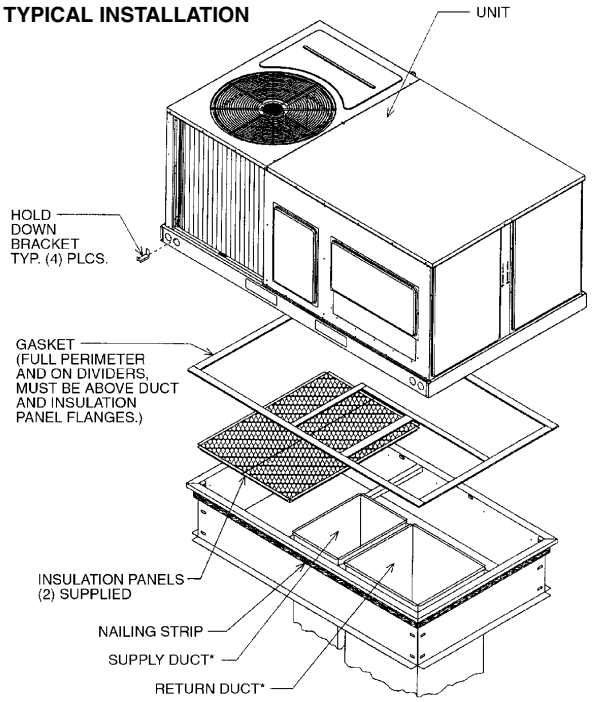
Roofcurbs (Full Perimeter)

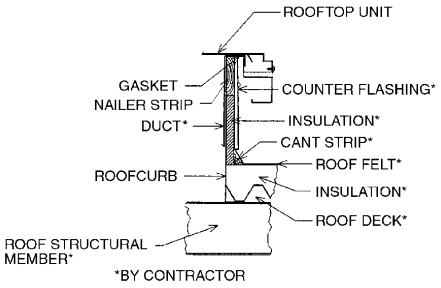
- Rheem's new roofcurb design can be utilized on 3 through 5 ton [10.6-17.6 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailer provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

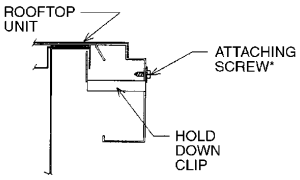
Roofcurb Model	Height of Curb
RXKG-BAD14	14" [356 mm]
RXKG-BAD24	24" [610 mm]

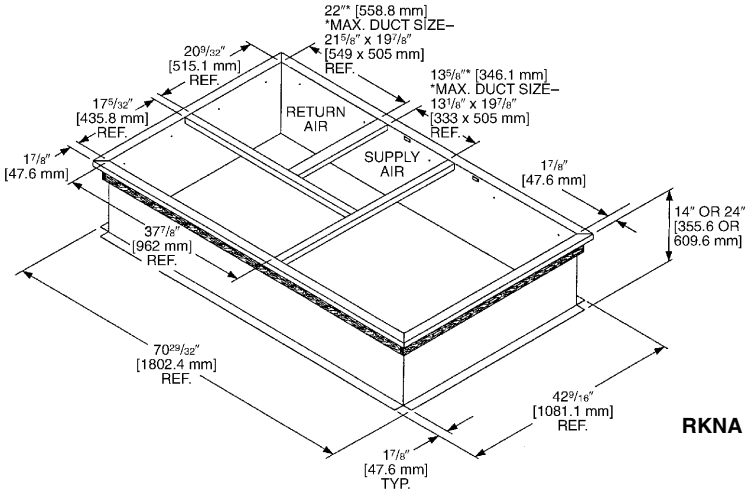
[ ] Designates Metric Conversions

TYPICAL INSTALLATION









ROOFCURB FOR RKNA 3-5 TON [10.6-17.6 kW] MODELS

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER *(cont'd)*

Economizers

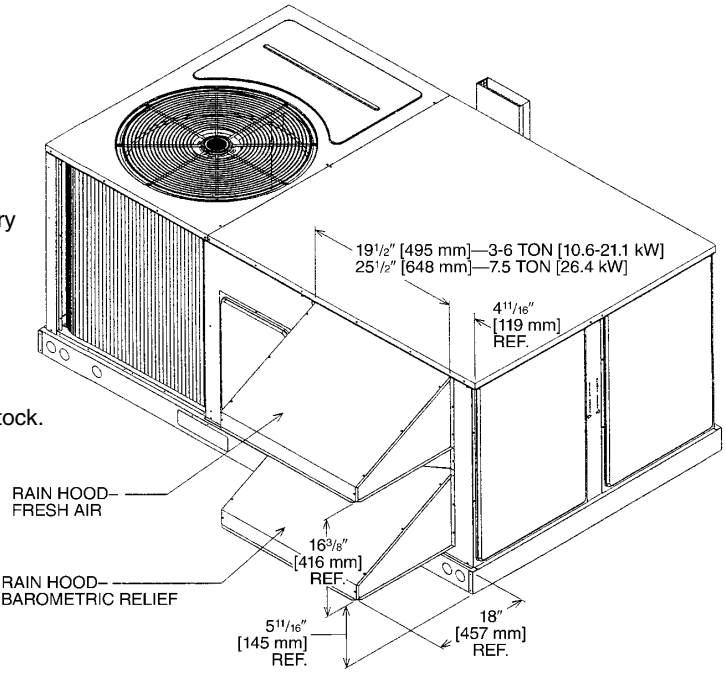
RXRD-KECM3—RKNA 3-5 Ton [10.6-17.6 kW] Models **Single Enthalpy (with Barometric Relief)**

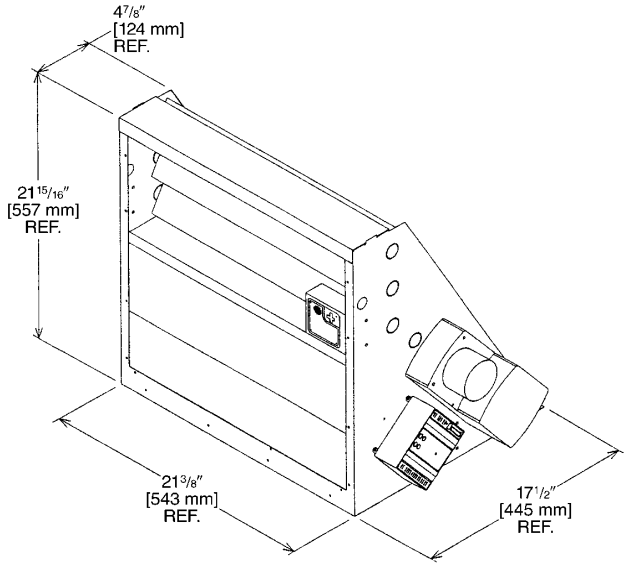
RXRX-AV02—3-5 Ton [10.6-17.6 kW] Models **Dual Enthalpy Kit**

RXRX-AR02—3-5 Ton [10.6-17.6 kW] Models **Optional CO_2 Sensor**

- Features **Honeywell** Analog Controls
- Available factory installed or field accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Low Leakage Dampers
- Horizontal or Downflow Applications
- Slip-In Design for Easy Installations
- Plug-In Polarized 9-pin Electrical Connections
- Pre-configuring—No Field Adjustments Necessary
- Standard Barometric Relief Damper Provided
- Single Enthalpy with Dual Enthalpy upgrade kit
- CO_2 Input Sensor Available (field installed)
- Economizer slips in complete for downflow or horizontal duct applications
- Field assembled hood ships with Economizer
- Optional Remote minimum position (Honeywell #S963B1128) is available from ProStock.
- Field installed power exhaust available.

[ ] Designates Metric Conversions





RKNA 3-5 Ton [10.6-17.6 kW] Models

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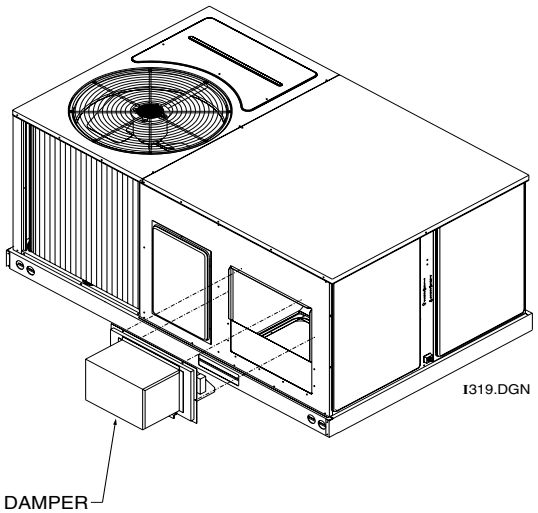
TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons – 13 SEER *(cont'd)*

Fresh Air Damper

RKNA 3-5 Ton [10.6-17.6 kW] Models
RXRF-FBA1 (Manual)
RXRF-FBB1 (Motorized)



[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER[2]	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	3.08	3.08	3.08	3.08
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [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]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	93 [2637]	93 [2637]	93 [2637]	93 [2637]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	550 [249]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

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TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER[2]	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	3.08	3.08	3.08	3.08
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [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]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	93 [2637]	93 [2637]	93 [2637]	93 [2637]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	550 [249]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER[2]	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	3.08	3.08	3.08	3.08
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [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]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	93 [2637]	93 [2637]	93 [2637]	93 [2637]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	550 [249]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A036JK08E	A036JK08X	A036JK12E	A036JK12X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]	37,400 [10.96]
EER/SEER[2]	11.7/13	11.7/13	11.7/13	11.7/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]	26,400 [7.74]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	3.08	3.08	3.08	3.08
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	80,000 [23.44]	120,000 [35.16]	120,000 [35.16]
Heating Output Btu [kW]	62,500 [18.31]	62,500 [18.31]	94,500 [27.69]	94,500 [27.69]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]	2 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [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]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	93 [2637]	93 [2637]	93 [2637]	93 [2637]
Weights				
Net Weight lbs. [kg]	543 [246]	543 [246]	543 [246]	543 [246]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	550 [249]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
EER/SEER[2]	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3.59	3.59	3.59	3.59
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	117 [3317]	117 [3317]	117 [3317]	117 [3317]
Weights				
Net Weight lbs. [kg]	570 [259]	579 [263]	570 [259]	579 [263]
Ship Weight lbs. [kg]	577 [262]	586 [266]	577 [262]	586 [266]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
EER/SEER[2]	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3.59	3.59	3.59	3.59
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	117 [3317]	117 [3317]	117 [3317]	117 [3317]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	570 [259]	579 [263]
Ship Weight lbs. [kg]	577 [262]	577 [262]	577 [262]	586 [266]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
EER/SEER[2]	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3.59	3.59	3.59	3.59
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	120,000 [35.16]	80,000 [23.44]	120,000 [35.16]
Heating Output Btu [kW]	64,800 [18.99]	97,200 [28.48]	64,800 [18.99]	97,200 [28.48]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	6	4	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	117 [3317]	117 [3317]	117 [3317]	117 [3317]
Weights				
Net Weight lbs. [kg]	570 [259]	579 [263]	570 [259]	570 [259]
Ship Weight lbs. [kg]	577 [262]	586 [266]	577 [262]	577 [262]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A042JK08E	A042JK08X	A042JK12E	A042JK12X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
EER/SEER[2]	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
ARI Net Cooling Capacity Btu [kW]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
Net Sensible Capacity Btu [kW]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]	30,000 [8.79]
Net Latent Capacity Btu [kW]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3.59	3.59	3.59	3.59
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	80,000 [23.44]	120,000 [35.16]	120,000 [35.16]
Heating Output Btu [kW]	62,500 [18.31]	62,500 [18.31]	94,500 [27.69]	94,500 [27.69]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	4	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]	16.91 [1.57]
Rows / FPI [FPcm]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]	1.53 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1725	1075
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	117 [3317]	117 [3317]	117 [3317]	117 [3317]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	579 [263]	579 [263]
Ship Weight lbs. [kg]	577 [262]	577 [262]	586 [266]	586 [266]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	135,000 [39.56]	80,000 [23.44]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	109,400 [32.05]	64,800 [18.99]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1725
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	587 [266]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.56]	80,000 [23.44]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.73]	109,400 [32.05]	64,800 [18.99]	81,000 [23.73]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	585 [265]	580 [263]	580 [263]
Ship Weight lbs. [kg]	587 [266]	592 [269]	587 [266]	587 [266]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	135,000 [39.56]	80,000 [23.44]	100,000 [29.3]	135,000 [39.56]
Heating Output Btu [kW]	109,400 [32.05]	64,800 [18.99]	81,000 [23.73]	109,400 [32.05]
Temperature Rise Range °F [°C]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	6	4	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	1/2
Motor RPM	1725	1075	1075	1075
Motor Frame Size	56	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	585 [265]
Ship Weight lbs. [kg]	587 [266]	587 [266]	587 [266]	592 [269]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	135,000 [39.56]	80,000 [23.44]
Heating Output Btu [kW]	64,800 [18.99]	81,000 [23.73]	109,400 [32.05]	64,800 [18.99]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	4	5	6	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	3/4
Motor RPM	1725	1725	1725	1725
Motor Frame Size	48	48	48	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	587 [266]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.56]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	81,000 [23.73]	109,400 [32.05]	62,500 [18.31]	62,500 [18.31]
Temperature Rise Range °F [°C]	30-60 [16.7/33.3]	50-80 [27.8/44.4]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	3/4	3/4	1/2	1/2
Motor RPM	1725	1725	1075	1075
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	580 [263]	580 [263]
Ship Weight lbs. [kg]	587 [266]	587 [266]	587 [266]	587 [266]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A048JK10E	A048JK10X	A048JK13E	A048JK13X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
EER/SEER[2]	11.4/13.1	11.4/13.1	11.4/13.1	11.4/13.1
Nominal CFM/ARI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]	47,000 [13.77]
Net Sensible Capacity Btu [kW]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]	33,600 [9.84]
Net Latent Capacity Btu [kW]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]	13,400 [3.93]
Net System Power kW	4.15	4.15	4.15	4.15
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	135,000 [39.56]	135,000 [39.56]
Heating Output Btu [kW]	78,500 [23]	78,500 [23]	106,500 [31.2]	106,500 [31.2]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]	50-80 [27.8/44.4]	50-80 [27.8/44.4]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	5	6	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	78	78	78	78
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3680 [1737]	3680 [1737]	3680 [1737]	3680 [1737]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	167 [4734]	167 [4734]	167 [4734]	167 [4734]
Weights				
Net Weight lbs. [kg]	580 [263]	580 [263]	585 [265]	585 [265]
Ship Weight lbs. [kg]	587 [266]	587 [266]	592 [269]	592 [269]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A060CK10E	A060CK13E	A060CL10E	A060CL13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER/SEER[2]	11.6/13	11.6/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]
ARI Net Cooling Capacity Btu [kW]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]
Net Latent Capacity Btu [kW]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]
Net System Power kW	5	5	5	5
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.56]	100,000 [29.3]	135,000 [39.56]
Heating Output Btu [kW]	81,000 [23.73]	109,400 [32.05]	81,000 [23.73]	109,400 [32.05]
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]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3930 [1855]	3930 [1855]	3930 [1855]	3930 [1855]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1	1	3/4	3/4
Motor RPM	1075	1075	1725	1725
Motor Frame Size	48	48	56	56
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	597 [271]	590 [268]	597 [271]
Ship Weight lbs. [kg]	597 [271]	604 [274]	597 [271]	604 [274]

[ ] Designates Metric Conversions

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A060CM10E	A060CM13E	A060DL10E	A060DL13E
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER/SEER[2]	11.6/13	11.6/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]
ARI Net Cooling Capacity Btu [kW]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]
Net Latent Capacity Btu [kW]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]
Net System Power kW	5	5	5	5
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.56]	100,000 [29.3]	135,000 [39.56]
Heating Output Btu [kW]	81,000 [23.73]	109,400 [32.05]	81,000 [23.73]	109,400 [32.05]
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]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	6
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3930 [1855]	3930 [1855]	3930 [1855]	3930 [1855]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1	1	3/4	3/4
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]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	590 [268]	597 [271]
Ship Weight lbs. [kg]	597 [271]	597 [271]	597 [271]	604 [274]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A060DM10E	A060DM13E	A060JK10E	A060JK10X
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER/SEER[2]	11.6/13	11.6/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]	2000/1900 [897/897]
ARI Net Cooling Capacity Btu [kW]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]	42,000 [12.31]
Net Latent Capacity Btu [kW]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]	16,000 [4.69]
Net System Power kW	5	5	5	5
Heating Performance (Package Gas/Electric)[3]				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.56]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.73]	109,400 [32.05]	78,500 [23]	78,500 [23]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	40-70 [22.2/38.9]	25-55 [13.9/30.6]	25-55 [13.9/30.6]
AFUE %	80	80	80	80
Steady State Efficiency (%)	81	81	81	81
No. Burners	5	6	5	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	83	83	83	83
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]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated	Corrugated	Corrugated
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]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	3930 [1855]	3930 [1855]	3930 [1855]	3930 [1855]
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]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1	1	1	1
Motor RPM	1725	1725	1075	1075
Motor Frame Size	56	56	48	48
Filter—Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	597 [271]	597 [271]	597 [271]

[ ] Designates Metric Conversions

Rooftop Heat/Cool

– E.&O.E. – May not be in stock at all branches, if so please allow 10 days for delivery.
– All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra –

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

NOM. SIZES 3-5 TONS [10.6-17.6 kW]

Model RKNA- Series	A060JK13E	A060JK13X
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]
EER/SEER[2]	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	2000/1900 [897/897]	2000/1900 [897/897]
ARI Net Cooling Capacity Btu [kW]	58,000 [16.99]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	42,000 [12.31]	42,000 [12.31]
Net Latent Capacity Btu [kW]	16,000 [4.69]	16,000 [4.69]
Net System Power kW	5	5
Heating Performance (Package Gas/Electric)[3]		
Heating Input Btu [kW]	135,000 [39.56]	135,000 [39.56]
Heating Output Btu [kW]	106,500 [31.2]	106,500 [31.2]
Temperature Rise Range °F [°C]	40-70 [22.2/38.9]	40-70 [22.2/38.9]
AFUE %	80	80
Steady State Efficiency (%)	81	81
No. Burners	6	6
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Copeland Scroll	1/Copeland Scroll
Outdoor Sound Rating (dB)	83	83
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]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated
Tube Type	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.17 [0.48]	5.17 [0.48]
Rows / FPI [FPcm]	3 / 15 [6]	3 / 15 [6]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan—Type	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3930 [1855]	3930 [1855]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/3
No. Motors	1	1
Motor HP	1	1
Motor RPM	1075	1075
Motor Frame Size	48	48
Filter—Type	Disposable	Disposable
Furnished	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]	(1)1x16x25 [25x406x635] (1)1x16x25 [25x406x635]
Refrigerant Charge Oz. [g]	160 [4536]	160 [4536]
Weights		
Net Weight lbs. [kg]	597 [271]	597 [271]
Ship Weight lbs. [kg]	604 [274]	604 [274]

[ ] Designates Metric Conversions

TECHNICAL DATA *(cont'd)*

RKNA Series — 3 – 5 Tons — 13 SEER *(cont'd)*

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. 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.