



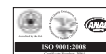
PACKAGE GAS ELECTRIC
RKNL/RKPL SERIES

Ruud Commercial Achiever® Series Package Gas Electric Unit



RKNL- 13-SEER Series RKPL- 14-SEER Series

Nominal Sizes 3-5 Tons [10.6-17.6 kW]



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

RELY ON RUUD.™

FORM NO. R22-852

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RKNL - A036, A042, A048, A060
RKPL - A036, A042, A048, A060

RKNL-/RKPL- STANDARD FEATURES INCLUDE:

- R-410A HFC refrigerant.
- Complete factory charged, wired and run tested.
- Scroll compressors with internal line break overload and high-pressure protection.
- Single stage compressor on all models.
- Convertible airflow.
- TXV refrigerant metering system on each circuit.
- High Pressure and Low Pressure/Loss of charge protection standard on all models.
- Solid Core liquid line filter drier on each circuit.
- Single slab, single pass designed evaporator coil facilitate easy cleaning for maintained high efficiencies.
- Cooling operation up to 125 degree F ambient.
- Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
- Powder Paint Finish meets ASTM B117 steel coated on each side for maximum protection. G90 galvanized.
- One piece top cover and one piece base pan with drawn supply and return opening for superior water management.
- Externally mounted refrigerant gauge ports for easy service diagnostics.
- Easy to install plug-in; slip in, 100% fully modulating economizer.
- Forkable base rails for easy handling and lifting.
- Single point electrical and gas connections.
- Direct drive or high performance belt drive motor with variable pitch pulleys and quick adjust belt system.
- Permanently lubricated evaporator, condenser and gas heat inducer motors.
- Condenser motors are internally protected, totally enclosed with shaft down design.
- 1 inch filter standard with slide out design. Will accept 2 inch filter.
- Single stage gas valve, direct spark ignition, and induced draft for efficiency and reliability.
- Tubular heat exchange for long life and induced draft for efficiency and reliability.
- Solid state furnace control with on board diagnostics.
- Colored and labeled wiring.
- Copper tube/Aluminum Fin coils.
- Molded compressor plug.
- Through the base gas and electric.

Package Gas Electric Unit Features:

Evaporator Coil/Filter Access

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



- Non-corrosive plastic condensate pan



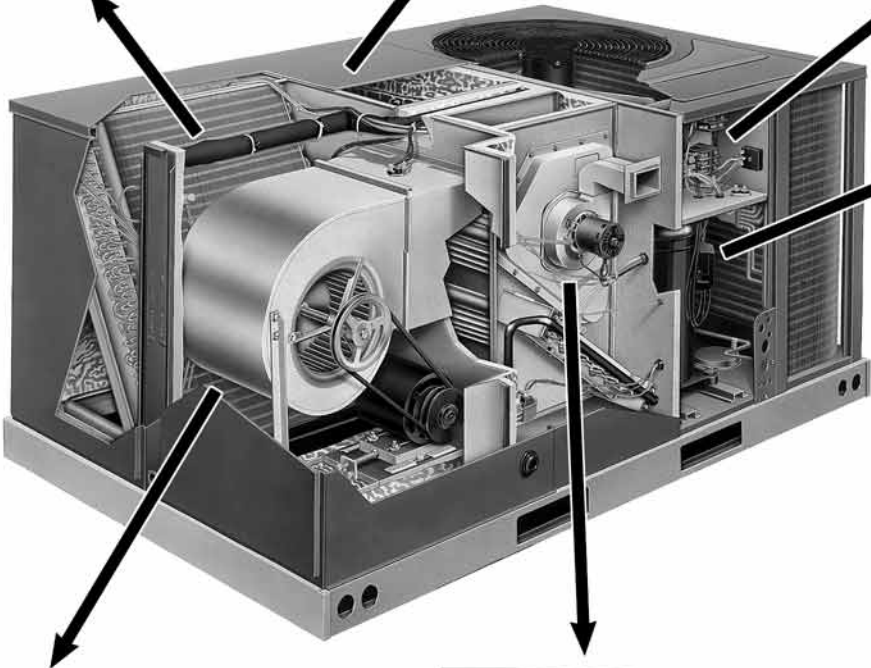
Tubular Heat Exchanger

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

Control Box Access

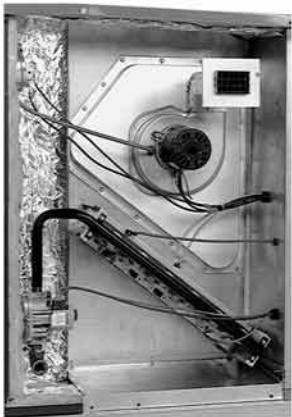


Compressor Access (3 to 5 Ton [10.6 to 17.6 kW] Models)



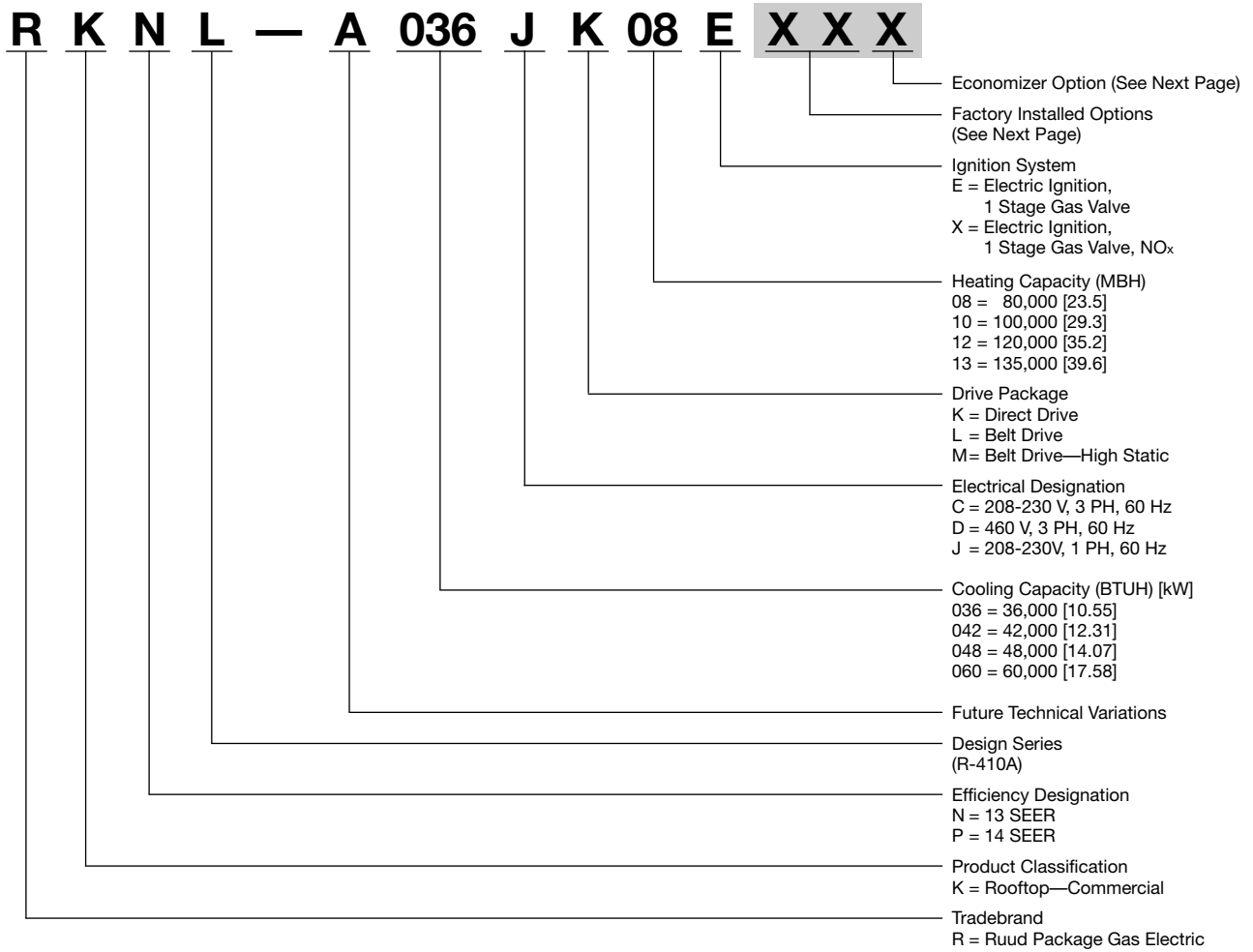
Blower Access

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



Heating Compartment Access

[] Designates Metric Conversions



[] Designates Metric Conversions

FACTORY INSTALLED OPTION CODES FOR RKNL/RKPL (3-5 TON) [10.6-17.6 kW] (A036, A042, A048, A060)

Option Code	Hail Guard	Stainless Steel Heat Exchanger	Non-Powered Convenience Outlet/Unfused Service Disconnect	Low Ambient/ Freeze Stat
AD	X			
AJ		X		
AH			X	
AP				X
BF	X		X	
BG	X	X		
BY	X			X
JB		X	X	
CR	X	X		X
DN	X	X	X	X

Economizer Codes

A = No Economizer

B = Economizer with Single Enthalpy

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

Example: No Options

RKNL-A060JK13E

Example: No option with factory installed economizer

RKNL-A060JK13EAAF

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

RKNL-A060JK13EAJA

Example: Options same as above with factory installed economizer

RKNL-A060JK13EAJF

ECONOMIZER SELECTION FOR RKNL/RKPL (3-5 TON) [10.6-17.6 kW]

Option Code	No Economizer	Single Enthalpy Economizer With Barometric Relief
A	X	
F		X

“X” indicates factory installed option.

[] Designates Metric Conversions

1. Determine cooling and heating requirements at design conditions.

Example:

Power Supply	208/230-3 Phase
Total cooling capacity	42,500 BTUH [12.44 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 RKNL-A048 at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:

Total capacity	45,100 BTUH [13.21 kW]
Sensible capacity	44,100 BTUH [12.01 kW]
Power input	3.6 kW

And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:

Sensible capacity	38,327 BTUH [11.22 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 109,400 BTUH [32.03 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.

$$\text{BTUH} = \text{Watts} \times 3.413 = 2577$$

6. Calculate net cooling capacities.

$$\begin{aligned} \text{Net total cooling} &= 45,100 - 2577 = 42,523 \text{ BTUH [12.45 kW]} \\ \text{Net sensible cooling} &= 41,708 - 2577 = 39,131 \text{ BTUH [11.45 kW]} \end{aligned}$$

7. Select model

RKNL-A048CM13E

[] Designates Metric Conversions

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

Model RKNL- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER ²	11.4/13	11.4/13	11.4/13	11.4/13
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]
Net Latent Capacity Btu [kW]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER ²	11.4/13	11.4/13	11.4/13	11.4/13
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]
Net Latent Capacity Btu [kW]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER ²	11.4/13	11.4/13	11.4/13	11.4/13
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]
Net Latent Capacity Btu [kW]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A036JK08E	A036JK08X	A036JK12E	A036JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER ²	11.4/13	11.4/13	11.4/13	11.4/13
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]
Net Latent Capacity Btu [kW]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKNL- Series	A036YL08E	A036YL12E	A036YM08E	A036YM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]	36,800 [10.78]
EER/SEER ²	11.4/13	11.4/13	11.4/13	11.4/13
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]	26,200 [7.68]
Net Latent Capacity Btu [kW]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]	9,200 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKNL- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]
Net Sensible Capacity Btu [kW]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]
Net Latent Capacity Btu [kW]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]
Net System Power kW	3.62	3.62	3.62	3.62
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

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[] Designates Metric Conversions

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

Model RKNL- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]
Net Sensible Capacity Btu [kW]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]
Net Latent Capacity Btu [kW]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]
Net System Power kW	3.62	3.62	3.62	3.62
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]
Net Sensible Capacity Btu [kW]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]
Net Latent Capacity Btu [kW]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]
Net System Power kW	3.62	3.62	3.62	3.62
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	570 [259]	570 [259]
Ship Weight lbs. [kg]	577 [262]	577 [262]	577 [262]	577 [262]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A042JK08E	A042JK08X	A042JK12E	A042JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
EER/SEER ²	11.2/13	11.2/13	11.2/13	11.2/13
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]	40,500 [11.87]
Net Sensible Capacity Btu [kW]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]	30,600 [8.97]
Net Latent Capacity Btu [kW]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]	9,900 [2.9]
Net System Power kW	3.62	3.62	3.62	3.62
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	135,000 [39.55]	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	135,000 [39.55]	80,000 [23.44]	100,000 [29.3]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	80,000 [23.44]	100,000 [29.3]	135,000 [39.55]	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKNL- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A048JK10E	A048JK10X	A048JK13E	A048JK13X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	135,000 [39.55]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKNL- Series	A048YL10E	A048YL13E	A048YM10E	A048YM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,000 [14.65]	50,000 [14.65]	50,000 [14.65]	61,000 [17.87]
EER/SEER ²	11.45/13	11.45/13	11.45/13	11.45/13
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
Net Sensible Capacity Btu [kW]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]	35,600 [10.43]
Net Latent Capacity Btu [kW]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]	12,400 [3.63]
Net System Power kW	4.19	4.19	4.19	4.19
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	100,000 [29.3]	135,000 [39.55]
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]	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	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A060CK10E	A060CK13E	A060CL10E	A060CL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
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]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	5.32	5.32	5.32	5.32
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	100,000 [29.3]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A060CM10E	A060CM13E	A060DK10E	A060DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
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]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	5.32	5.32	5.32	5.32
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	100,000 [29.3]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	597 [271]
Ship Weight lbs. [kg]	597 [271]	597 [271]	597 [271]	604 [274]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKNL- Series	A060DL10E	A060DL13E	A060DM10E	A060DM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
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]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	5.32	5.32	5.32	5.32
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	100,000 [29.3]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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	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]	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	597 [271]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	604 [274]	597 [271]	597 [271]

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[] Designates Metric Conversions

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

Model RKNL- Series	A060JK10E	A060JK10X	A060JK13E	A060JK13X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
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]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	5.32	5.32	5.32	5.32
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	135,000 [39.55]	135,000 [39.55]
Heating Output Btu [kW]	78,500 [23]	78,500 [23]	106,500 [31.2]	106,500 [31.2]
Temperature Rise Range °F [°C]	25-55 [13.9/30.6]	25-55 [13.9/30.6]	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	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1	1	1	1
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]	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	597 [271]	597 [271]
Ship Weight lbs. [kg]	597 [271]	597 [271]	604 [274]	604 [274]

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[] Designates Metric Conversions

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

Model RKNL- Series	A060YL10E	A060YL13E	A060YM10E	A060YM13E
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]	61,000 [17.87]
EER/SEER ²	11.1/13	11.1/13	11.1/13	11.1/13
Nominal CFM/AHRI Rated CFM [L/s]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]	2000/1900 [944/897]
AHRI Net Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]	59,000 [17.29]
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]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]	17,000 [4.98]
Net System Power kW	5.32	5.32	5.32	5.32
Heating Performance (Package Gas/Electric)³				
Heating Input Btu [kW]	100,000 [29.3]	135,000 [39.55]	100,000 [29.3]	135,000 [39.55]
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴				
	83	83	83	83
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Corrugated	Corrugated	Corrugated	Corrugated
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
	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	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]				
	160 [4536]	160 [4536]	160 [4536]	160 [4536]
Weights				
Net Weight lbs. [kg]	590 [268]	597 [271]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	604 [274]	597 [271]	597 [271]

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[] Designates Metric Conversions

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

Model RKPL- Series	A036CK08E	A036CK12E	A036CL08E	A036CL12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]
EER/SEER ²	12.05/14	12.05/14	12.05/14	12.05/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]
Net Latent Capacity Btu [kW]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]
Net System Power kW	2.97	2.97	2.97	2.97
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A036CM08E	A036CM12E	A036DK08E	A036DK12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]
EER/SEER ²	12.05/14	12.05/14	12.05/14	12.05/14
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]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]
Net Latent Capacity Btu [kW]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]
Net System Power kW	2.97	2.97	2.97	2.97
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4
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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A036DL08E	A036DL12E	A036DM08E	A036DM12E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]
EER/SEER ²	12.05/14	12.05/14	12.05/14	12.05/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]
Net Latent Capacity Btu [kW]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]
Net System Power kW	2.97	2.97	2.97	2.97
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A036JK08E	A036JK08X	A036JK12E	A036JK12X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]	36,600 [10.72]
EER/SEER ²	12.05/14	12.05/14	12.05/14	12.05/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]	35,800 [10.49]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]
Net Latent Capacity Btu [kW]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]	8,800 [2.58]
Net System Power kW	2.97	2.97	2.97	2.97
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Direct/4	Direct/4
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]	96 [2722]	96 [2722]	96 [2722]	96 [2722]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A042CK08E	A042CK12E	A042CL08E	A042CL12E
Cooling Performance¹				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	11.85/14	11.85/14	11.85/14	11.85/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]
Net Sensible Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]
Net Latent Capacity Btu [kW]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]
Net System Power kW	3.5	3.5	3.5	3.5
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A042CM08E	A042CM12E	A042DK08E	A042DK12E
Cooling Performance¹				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	11.85/14	11.85/14	11.85/14	11.85/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]
Net Sensible Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]
Net Latent Capacity Btu [kW]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]
Net System Power kW	3.5	3.5	3.5	3.5
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	3/4
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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A042DL08E	A042DL12E	A042DM08E	A042DM12E
Cooling Performance¹				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	11.85/14	11.85/14	11.85/14	11.85/14
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]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]
Net Sensible Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]
Net Latent Capacity Btu [kW]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]
Net System Power kW	3.5	3.5	3.5	3.5
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
Weights				
Net Weight lbs. [kg]	570 [259]	570 [259]	570 [259]	570 [259]
Ship Weight lbs. [kg]	577 [262]	577 [262]	577 [262]	577 [262]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A042JK08E	A042JK08X	A042JK12E	A042JK12X
Cooling Performance¹				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	11.85/14	11.85/14	11.85/14	11.85/14
Nominal CFM/AHRI Rated CFM [L/s]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]	1400/1450 [661/684]
AHRI Net Cooling Capacity Btu [kW]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]	41,500 [12.16]
Net Sensible Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]
Net Latent Capacity Btu [kW]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]	10,300 [3.02]
Net System Power kW	3.5	3.5	3.5	3.5
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Direct/4	Direct/4
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
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]	125 [3544]	125 [3544]	125 [3544]	125 [3544]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A048CK08E	A048CK10E	A048CK13E	A048CL08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Direct/4	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A048CL10E	A048CL13E	A048CM08E	A048CM10E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A048CM13E	A048DK08E	A048DK10E	A048DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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]	40-70 [22.2/38.9]	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Direct/4
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A048DL08E	A048DL10E	A048DL13E	A048DM08E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
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]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A048DM10E	A048DM13E	A048JK08E	A048JK08X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A048JK10E	A048JK10X	A048JK13E	A048JK13X
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]	50,500 [14.8]
EER/SEER ²	12.15/14	12.15/14	12.15/14	12.15/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]	49,000 [14.36]
Net Sensible Capacity Btu [kW]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]	36,400 [10.67]
Net Latent Capacity Btu [kW]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]	12,600 [3.69]
Net System Power kW	4.03	4.03	4.03	4.03
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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/4	Direct/4	Direct/4	Direct/4
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type	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]	165 [4678]	165 [4678]	165 [4678]	165 [4678]
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]

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[] Designates Metric Conversions

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

Model RKPL- Series	A060CK10E	A060CK13E	A060CL10E	A060CL13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]
EER/SEER ²	12.25/14	12.25/14	12.25/14	12.25/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
AHRI Net Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
Net Sensible Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.9	4.9	4.9	4.9
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	1/11x10 [279.4x254]	1/11x10 [279.4x254]
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]	147 [4167]	147 [4167]	147 [4167]	147 [4167]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A060CM10E	A060CM13E	A060DK10E	A060DK13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]
EER/SEER ²	12.25/14	12.25/14	12.25/14	12.25/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
AHRI Net Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
Net Sensible Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.9	4.9	4.9	4.9
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	1/11x10 [279.4x254]	1/11x10 [279.4x254]	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]	147 [4167]	147 [4167]	147 [4167]	147 [4167]
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]

See Page 47 for Notes.

[] Designates Metric Conversions

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

Model RKPL- Series	A060DL10E	A060DL13E	A060DM10E	A060DM13E
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]
EER/SEER ²	12.25/14	12.25/14	12.25/14	12.25/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
AHRI Net Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
Net Sensible Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.9	4.9	4.9	4.9
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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴	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]	1/11x10 [279.4x254]	1/11x10 [279.4x254]	1/11x10 [279.4x254]	1/11x10 [279.4x254]
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]	147 [4167]	147 [4167]	147 [4167]	147 [4167]
Weights				
Net Weight lbs. [kg]	590 [268]	597 [271]	590 [268]	590 [268]
Ship Weight lbs. [kg]	597 [271]	604 [274]	597 [271]	597 [271]

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[] Designates Metric Conversions

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

Model RKPL- Series	A060JK10E	A060JK10X	A060JK13E	A060JK13X
Cooling Performance¹				
Gross Cooling Capacity Btu [kW]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]	61,500 [18.02]
EER/SEER ²	12.25/14	12.25/14	12.25/14	12.25/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]	2000/1850 [944/873]
AHRI Net Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
Net Sensible Capacity Btu [kW]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]	42,500 [12.45]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.9	4.9	4.9	4.9
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]	25-55 [13.9/30.6]	25-55 [13.9/30.6]	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	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/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)⁴				
	83	83	83	83
Outdoor Coil—Fin Type				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type				
Tube Type	Corrugated	Corrugated	Corrugated	Corrugated
Tube Size in. [mm]	Rifled	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]	5.17 [0.48]
Refrigerant Control	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]	3 / 15 [6]
TX Valves	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	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	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	1	1	1
Motor RPM	1075	1075	1075	1075
Motor Frame Size	48	48	48	48
Filter—Type				
Disposable	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]				
	147 [4167]	147 [4167]	147 [4167]	147 [4167]
Weights				
Net Weight lbs. [kg]	590 [268]	590 [268]	597 [271]	597 [271]
Ship Weight lbs. [kg]	597 [271]	597 [271]	604 [274]	604 [274]

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NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI 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.
4. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—RKNL-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			.16	.12	.06	.16	.12	.06	.16	.12	.06
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	46.6 [13.66] 28.3 [8.29] 2.1	44.6 [13.07] 25.3 [7.41] 2.1	42.5 [12.46] 22.4 [6.56] 2.0	43.2 [12.66] 33.4 [9.79] 2.2	41.4 [12.13] 29.9 [8.76] 2.1	39.5 [11.58] 26.4 [7.74] 2.1	40.2 [11.78] 38.6 [11.31] 2.2	38.4 [11.25] 34.6 [10.14] 2.1	36.7 [10.76] 30.6 [8.97] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	45.4 [13.31] 27.7 [8.12] 2.3	43.5 [12.75] 24.8 [7.27] 2.2	41.5 [12.16] 21.9 [6.42] 2.2	42.1 [12.34] 32.8 [9.61] 2.3	40.3 [11.81] 29.4 [8.62] 2.3	38.4 [11.25] 25.9 [7.59] 2.2	39.0 [11.43] 38.0 [11.14] 2.3	37.3 [10.93] 34.0 [9.96] 2.3	35.6 [10.43] 30.1 [8.82] 2.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	44.3 [12.98] 27.1 [7.94] 2.4	42.3 [12.40] 24.2 [7.09] 2.3	40.4 [11.84] 21.4 [6.27] 2.3	40.9 [11.99] 32.2 [9.44] 2.4	39.2 [11.49] 28.8 [8.44] 2.4	37.4 [10.96] 25.4 [7.44] 2.3	37.9 [11.11] 37.4 [10.96] 2.5	36.2 [10.61] 33.5 [9.82] 2.4	34.6 [10.14] 29.6 [8.67] 2.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	43.1 [12.63] 26.4 [7.74] 2.5	41.2 [12.07] 23.7 [6.95] 2.5	39.3 [11.52] 20.9 [6.13] 2.4	39.8 [11.66] 31.5 [9.23] 2.6	38.0 [11.14] 28.3 [8.29] 2.5	36.3 [10.64] 25.0 [7.33] 2.5	36.7 [10.76] 36.7 [10.76] 2.6	35.1 [10.29] 32.9 [9.64] 2.5	33.5 [9.82] 29.1 [8.53] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.9 [12.28] 25.8 [7.56] 2.7	40.1 [11.75] 23.1 [6.77] 2.6	38.3 [11.22] 20.4 [5.98] 2.6	38.6 [11.31] 30.9 [9.06] 2.7	36.9 [10.81] 27.7 [8.12] 2.7	35.2 [10.32] 24.5 [7.18] 2.6	35.5 [10.40] 35.5 [10.40] 2.7	33.9 [9.94] 32.4 [9.50] 2.7	32.4 [9.50] 28.6 [8.38] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.7 [11.93] 25.2 [7.39] 2.8	38.9 [11.40] 22.5 [6.59] 2.8	37.1 [10.87] 19.9 [5.83] 2.7	37.3 [10.93] 30.3 [8.88] 2.9	35.7 [10.46] 27.1 [7.94] 2.8	34.1 [9.99] 23.9 [7.00] 2.7	34.3 [10.05] 34.3 [10.05] 2.9	32.8 [9.61] 31.8 [9.32] 2.8	31.3 [9.17] 28.1 [8.24] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	39.4 [11.55] 24.5 [7.18] 2.9	37.7 [11.05] 21.9 [6.42] 2.9	36.0 [10.55] 19.4 [5.69] 2.8	36.1 [10.58] 29.6 [8.67] 3.0	34.5 [10.11] 26.5 [7.77] 2.9	32.9 [9.64] 23.4 [6.86] 2.9	33.0 [9.67] 33.0 [9.67] 3.0	31.6 [9.26] 31.2 [9.14] 2.9	30.1 [8.82] 27.5 [8.06] 2.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	38.1 [11.17] 23.7 [6.95] 3.1	36.5 [10.70] 21.3 [6.24] 3.0	34.8 [10.20] 18.8 [5.51] 3.0	34.8 [10.20] 28.9 [8.47] 3.1	33.3 [9.76] 25.8 [7.56] 3.1	31.8 [9.32] 22.8 [6.68] 3.0	31.7 [9.29] 31.7 [9.29] 3.1	30.3 [8.88] 30.3 [8.88] 3.1	29.0 [8.50] 26.9 [7.88] 3.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	36.8 [10.79] 23.0 [6.74] 3.2	35.2 [10.32] 20.6 [6.04] 3.2	33.6 [9.85] 18.2 [5.33] 3.1	33.5 [9.82] 28.1 [8.24] 3.3	32.0 [9.38] 25.1 [7.36] 3.2	30.6 [8.97] 22.2 [6.51] 3.1	30.4 [8.91] 30.4 [8.91] 3.3	29.1 [8.53] 29.1 [8.53] 3.2	27.7 [8.12] 26.3 [7.71] 3.1

GROSS SYSTEMS PERFORMANCE DATA—RKNL-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]			1810 [854.2]	1450 [684.3]	1090 [514.4]	1810 [854.2]	1450 [684.3]	1090 [514.4]	1810 [854.2]	1450 [684.3]	1090 [514.4]
DR ①			.23	.2	.15	.23	.2	.15	.23	.2	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	52.9 [15.50] 32.9 [9.64] 2.5	50.6 [14.83] 29.4 [8.62] 2.5	48.3 [14.16] 26.0 [7.62] 2.4	49.8 [14.59] 39.1 [11.46] 2.5	47.6 [13.95] 35.0 [10.26] 2.5	45.5 [13.33] 30.9 [9.06] 2.4	47.4 [13.89] 45.3 [13.28] 2.5	45.3 [13.28] 40.6 [11.90] 2.5	43.3 [12.69] 35.9 [10.52] 2.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	51.5 [15.09] 32.1 [9.41] 2.7	49.3 [14.45] 28.7 [8.41] 2.6	47.0 [13.77] 25.4 [7.44] 2.6	48.5 [14.21] 38.3 [11.22] 2.7	46.3 [13.57] 34.3 [10.05] 2.6	44.2 [12.95] 30.3 [8.88] 2.6	46.0 [13.48] 44.8 [13.13] 2.7	44.0 [12.90] 39.9 [11.69] 2.6	42.0 [12.31] 35.3 [10.35] 2.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.1 [14.68] 31.3 [9.17] 2.8	48.0 [14.07] 28.1 [8.24] 2.8	45.8 [13.42] 24.8 [7.27] 2.7	47.1 [13.80] 37.6 [11.02] 2.8	45.0 [13.19] 33.6 [9.85] 2.8	43.0 [12.60] 29.7 [8.70] 2.7	44.7 [13.10] 44.0 [12.90] 2.8	42.7 [12.51] 39.3 [11.52] 2.8	40.8 [11.96] 34.7 [10.17] 2.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.7 [14.27] 30.7 [9.00] 3.0	46.6 [13.66] 27.4 [8.03] 2.9	44.5 [13.04] 24.2 [7.09] 2.9	45.7 [13.39] 36.9 [10.81] 3.0	43.7 [12.81] 33.0 [9.67] 2.9	41.7 [12.22] 29.2 [8.56] 2.9	43.2 [12.66] 43.0 [12.60] 3.0	41.4 [12.13] 38.7 [11.34] 2.9	39.5 [11.58] 34.2 [10.02] 2.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.3 [13.86] 30.0 [8.79] 3.2	45.2 [13.25] 26.8 [7.85] 3.1	43.2 [12.66] 23.7 [6.95] 3.0	44.2 [12.95] 36.2 [10.61] 3.2	42.3 [12.40] 32.4 [9.50] 3.1	40.4 [11.84] 28.6 [8.38] 3.0	41.8 [12.25] 41.8 [12.25] 3.2	40.0 [11.72] 38.0 [11.14] 3.1	38.2 [11.20] 33.6 [9.85] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.8 [13.42] 29.2 [8.56] 3.3	43.8 [12.84] 26.2 [7.68] 3.3	41.8 [12.25] 23.1 [6.77] 3.2	42.7 [12.51] 35.4 [10.37] 3.3	40.9 [11.99] 31.7 [9.29] 3.2	39.0 [11.43] 28.0 [8.21] 3.2	40.3 [11.81] 40.3 [11.81] 3.3	38.6 [11.31] 37.4 [10.96] 3.2	36.8 [10.79] 33.0 [9.67] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	44.3 [12.98] 28.5 [8.35] 3.5	42.3 [12.40] 25.5 [7.47] 3.4	40.4 [11.84] 22.5 [6.59] 3.3	41.2 [12.07] 34.7 [10.17] 3.5	39.4 [11.55] 31.0 [9.09] 3.4	37.6 [11.02] 27.4 [8.03] 3.3	38.8 [11.37] 38.8 [11.37] 3.5	37.1 [10.87] 36.7 [10.76] 3.4	35.4 [10.37] 32.4 [9.50] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	42.7 [12.51] 27.6 [8.09] 3.6	40.8 [11.96] 24.7 [7.24] 3.6	39.0 [11.43] 21.8 [6.39] 3.5	39.6 [11.61] 33.8 [9.91] 3.6	37.9 [11.11] 30.3 [8.88] 3.6	36.2 [10.61] 26.7 [7.83] 3.5	37.2 [10.90] 37.2 [10.90] 3.6	35.6 [10.43] 35.6 [10.43] 3.6	34.0 [9.96] 31.7 [9.29] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	41.1 [12.05] 26.6 [7.80] 3.8	39.3 [11.52] 23.9 [7.00] 3.7	37.5 [10.99] 21.1 [6.18] 3.6	38.0 [11.14] 32.9 [9.64] 3.8	36.3 [10.64] 29.4 [8.62] 3.7	34.7 [10.17] 26.0 [7.62] 3.6	35.6 [10.43] 35.6 [10.43] 3.8	34.0 [9.96] 34.0 [9.96] 3.7	32.5 [9.52] 31.0 [9.09] 3.6

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

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

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RKNL-A048

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C] ①			63°F [17.2°C]		
CFM [L/s]			2000 [943.8]	1600 [755.1]	1200 [566.3]	2000 [943.8]	1600 [755.1]	1200 [566.3]	2000 [943.8]	1600 [755.1]	1200 [566.3]
DR ①			.21	.18	.14	.21	.18	.14	.21	.18	.14
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	63.8 [18.70]	61.1 [17.91]	58.3 [17.09]	59.4 [17.41]	56.9 [16.68]	54.3 [15.91]	54.4 [15.94]	52.0 [15.24]	49.6 [14.54]
		Sens BTUH [kW]	38.9 [11.40]	34.9 [10.23]	30.8 [9.03]	45.9 [13.45]	41.1 [12.05]	36.3 [10.64]	53.0 [15.53]	47.5 [13.92]	42.0 [12.31]
		Power	2.9	2.8	2.8	2.9	2.9	2.8	2.9	2.8	2.7
	80 [26.7]	Total BTUH [kW]	62.0 [18.17]	59.3 [17.38]	56.6 [16.59]	57.6 [16.88]	55.1 [16.15]	52.6 [15.42]	52.5 [15.39]	50.3 [14.74]	48.0 [14.07]
		Sens BTUH [kW]	38.0 [11.14]	34.0 [9.96]	30.0 [8.79]	44.9 [13.16]	40.2 [11.78]	35.5 [10.40]	52.1 [15.27]	46.6 [13.66]	41.2 [12.07]
		Power	3.1	3.0	3.0	3.1	3.0	3.0	3.1	3.0	2.9
	85 [29.4]	Total BTUH [kW]	60.2 [17.64]	57.6 [16.88]	55.0 [16.12]	55.8 [16.35]	53.4 [15.65]	50.9 [14.92]	50.7 [14.86]	48.5 [14.21]	46.3 [13.57]
		Sens BTUH [kW]	37.0 [10.84]	33.1 [9.70]	29.2 [8.56]	43.9 [12.87]	39.3 [11.52]	34.7 [10.17]	50.7 [14.86]	45.7 [13.39]	40.4 [11.84]
		Power	3.3	3.2	3.1	3.3	3.2	3.2	3.3	3.2	3.1
90 [32.2]	Total BTUH [kW]	58.4 [17.12]	55.9 [16.38]	53.3 [15.62]	54.0 [15.83]	51.7 [15.15]	49.3 [14.45]	48.9 [14.33]	46.8 [13.72]	44.7 [13.10]	
	Sens BTUH [kW]	36.0 [10.55]	32.2 [9.44]	28.4 [8.32]	42.9 [12.57]	38.4 [11.25]	34.0 [9.96]	48.9 [14.33]	44.8 [13.13]	39.6 [11.61]	
	Power	3.5	3.4	3.3	3.5	3.4	3.4	3.4	3.4	3.3	
95 [35]	Total BTUH [kW]	56.6 [16.59]	54.2 [15.88]	51.7 [15.15]	52.2 [15.30]	50.0 [14.65]	47.7 [13.98]	47.2 [13.83]	45.1 [13.22]	43.1 [12.63]	
	Sens BTUH [kW]	35.0 [10.26]	31.3 [9.17]	27.7 [8.12]	42.0 [12.31]	37.6 [11.02]	33.2 [9.73]	47.2 [13.83]	44.1 [12.92]	38.8 [11.37]	
	Power	3.7	3.6	3.5	3.7	3.6	3.5	3.6	3.6	3.5	
100 [37.8]	Total BTUH [kW]	54.9 [16.09]	52.6 [15.42]	50.2 [14.71]	50.5 [14.80]	48.4 [14.18]	46.2 [13.54]	45.5 [13.33]	43.5 [12.75]	41.5 [12.16]	
	Sens BTUH [kW]	34.1 [9.99]	30.5 [8.94]	26.9 [7.88]	41.0 [12.02]	36.7 [10.76]	32.5 [9.52]	45.5 [13.33]	43.1 [12.63]	38.1 [11.17]	
	Power	3.9	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.7	
105 [40.6]	Total BTUH [kW]	53.3 [15.62]	51.0 [14.95]	48.7 [14.27]	48.9 [14.33]	46.8 [13.72]	44.7 [13.10]	43.9 [12.87]	42.0 [12.31]	40.1 [11.75]	
	Sens BTUH [kW]	33.2 [9.73]	29.7 [8.70]	26.3 [7.71]	40.2 [11.78]	36.0 [10.55]	31.8 [9.32]	43.9 [12.87]	42.0 [12.31]	37.4 [10.96]	
	Power	4.0	4.0	3.9	4.1	4.0	3.9	4.0	3.9	3.9	
110 [43.3]	Total BTUH [kW]	51.9 [15.21]	49.6 [14.54]	47.4 [13.89]	47.5 [13.92]	45.4 [13.31]	43.3 [12.69]	42.4 [12.43]	40.5 [11.87]	38.7 [11.34]	
	Sens BTUH [kW]	32.4 [9.50]	29.1 [8.53]	25.7 [7.53]	39.4 [11.55]	35.3 [10.35]	31.2 [9.14]	42.4 [12.43]	40.5 [11.87]	36.8 [10.79]	
	Power	4.2	4.2	4.1	4.3	4.2	4.1	4.2	4.1	4.1	
115 [46.1]	Total BTUH [kW]	50.5 [14.80]	48.3 [14.16]	46.1 [13.51]	46.1 [13.51]	44.1 [12.92]	42.1 [12.34]	41.0 [12.02]	39.3 [11.52]	37.5 [10.99]	
	Sens BTUH [kW]	31.8 [9.32]	28.5 [8.35]	25.1 [7.36]	38.8 [11.37]	34.7 [10.17]	30.7 [9.00]	41.0 [12.02]	39.3 [11.52]	36.3 [10.64]	
	Power	4.4	4.3	4.3	4.5	4.4	4.3	4.4	4.3	4.2	

GROSS SYSTEMS PERFORMANCE DATA—RKNL-A060

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C] ①			63°F [17.2°C]		
CFM [L/s]			2380 [1123.2]	1900 [896.7]	1420 [670.1]	2380 [1123.2]	1900 [896.7]	1420 [670.1]	2380 [1123.2]	1900 [896.7]	1420 [670.1]
DR ①			.20	.17	.12	.20	.17	.12	.20	.17	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	78.2 [22.92] 46.4 [13.60] 3.9	74.8 [21.92] 41.5 [12.16] 3.8	71.4 [20.93] 36.7 [10.76] 3.7	72.4 [21.22] 53.7 [15.74] 3.9	69.2 [20.28] 48.1 [14.10] 3.8	66.1 [19.37] 42.5 [12.46] 3.7	70.5 [20.66] 61.8 [18.11] 3.8	67.4 [19.75] 55.3 [16.21] 3.7	64.3 [18.84] 48.9 [14.33] 3.6
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	76.2 [22.33] 45.5 [13.33] 4.1	72.9 [21.36] 40.7 [11.93] 4.0	69.6 [20.40] 36.0 [10.55] 3.9	70.4 [20.63] 52.8 [15.47] 4.1	67.3 [19.72] 47.2 [13.83] 4.0	64.2 [18.82] 41.7 [12.22] 3.9	68.4 [20.05] 60.9 [17.85] 4.0	65.4 [19.17] 54.5 [15.97] 3.9	62.5 [18.32] 48.1 [14.10] 3.8
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	74.1 [21.72] 44.4 [13.01] 4.3	70.8 [20.75] 39.7 [11.63] 4.3	67.6 [19.81] 35.1 [10.29] 4.2	68.2 [19.99] 51.6 [15.12] 4.4	65.3 [19.14] 46.2 [13.54] 4.3	62.3 [18.26] 40.8 [11.96] 4.2	66.3 [19.43] 59.7 [17.50] 4.2	63.4 [18.58] 53.5 [15.68] 4.2	60.5 [17.73] 47.3 [13.86] 4.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	71.9 [21.07] 43.1 [12.63] 4.6	68.7 [20.13] 38.6 [11.31] 4.5	65.6 [19.23] 34.1 [9.99] 4.4	66.0 [19.34] 50.4 [14.77] 4.6	63.1 [18.49] 45.1 [13.22] 4.5	60.3 [17.67] 39.9 [11.69] 4.4	64.1 [18.79] 58.5 [17.14] 4.5	61.3 [17.97] 52.4 [15.36] 4.4	58.5 [17.14] 46.3 [13.57] 4.3
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	69.6 [20.40] 41.8 [12.25] 4.8	66.6 [19.52] 37.5 [10.99] 4.7	63.6 [18.64] 33.1 [9.70] 4.6	63.8 [18.70] 49.1 [14.39] 4.8	61.0 [17.88] 44.0 [12.90] 4.7	58.2 [17.06] 38.9 [11.40] 4.6	61.8 [18.11] 57.2 [16.76] 4.7	59.1 [17.32] 51.2 [15.01] 4.6	56.4 [16.53] 45.3 [13.28] 4.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	67.4 [19.75] 40.6 [11.90] 5.1	64.4 [18.87] 36.3 [10.64] 5.0	61.5 [18.02] 32.1 [9.41] 4.9	61.5 [18.02] 47.8 [14.01] 5.1	58.9 [17.26] 42.8 [12.54] 5.0	56.2 [16.47] 37.8 [11.08] 4.9	59.6 [17.47] 55.9 [16.38] 5.0	57.0 [16.71] 50.1 [14.68] 4.9	54.4 [15.94] 44.3 [12.98] 4.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	65.2 [19.11] 39.3 [11.52] 5.3	62.4 [18.29] 35.2 [10.32] 5.2	59.5 [17.44] 31.1 [9.11] 5.1	59.3 [17.38] 46.6 [13.66] 5.3	56.8 [16.65] 41.8 [12.25] 5.2	54.2 [15.88] 36.9 [10.81] 5.1	57.4 [16.82] 54.7 [16.03] 5.2	54.9 [16.09] 49.0 [14.36] 5.1	52.4 [15.36] 43.3 [12.69] 5.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	63.1 [18.49] 38.3 [11.22] 5.6	60.4 [17.70] 34.3 [10.05] 5.4	57.6 [16.88] 30.3 [8.88] 5.3	57.3 [16.79] 45.5 [13.33] 5.6	54.8 [16.06] 40.8 [11.96] 5.5	52.3 [15.33] 36.0 [10.55] 5.3	55.3 [16.21] 53.6 [15.71] 5.5	52.9 [15.50] 48.0 [14.07] 5.3	50.5 [14.80] 42.4 [12.43] 5.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	61.1 [17.91] 37.4 [10.96] 5.8	58.5 [17.14] 33.5 [9.82] 5.7	55.8 [16.35] 29.6 [8.67] 5.6	55.3 [16.21] 44.6 [13.07] 5.8	52.9 [15.50] 40.0 [11.72] 5.7	50.5 [14.80] 35.3 [10.35] 5.6	53.3 [15.62] 52.7 [15.44] 5.7	51.0 [14.95] 47.2 [13.83] 5.6	48.7 [14.27] 41.7 [12.22] 5.5

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 $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RKPL-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			.16	.12	.06	.16	.12	.06	.16	.12	.06
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	46.9 [13.75] 28.0 [8.21] 2.1	44.8 [13.13] 25.0 [7.33] 2.0	42.8 [12.54] 22.1 [6.48] 2.0	43.3 [12.69] 33.3 [9.76] 2.2	41.4 [12.13] 29.9 [8.76] 2.1	39.5 [11.58] 26.4 [7.74] 2.1	40.5 [11.87] 38.2 [11.20] 2.1	38.7 [11.34] 34.3 [10.05] 2.1	36.9 [10.81] 30.3 [8.88] 2.0
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	45.8 [13.42] 27.7 [8.12] 2.2	43.8 [12.84] 24.8 [7.27] 2.2	41.8 [12.25] 21.9 [6.42] 2.1	42.2 [12.37] 33.1 [9.70] 2.3	40.3 [11.81] 29.6 [8.67] 2.3	38.5 [11.28] 26.1 [7.65] 2.2	39.3 [11.52] 38.1 [11.17] 2.3	37.6 [11.02] 34.0 [9.96] 2.2	35.9 [10.52] 30.0 [8.79] 2.2
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	44.5 [13.04] 27.2 [7.97] 2.4	42.6 [12.48] 24.3 [7.12] 2.3	40.7 [11.93] 21.5 [6.30] 2.3	41.0 [12.02] 32.6 [9.55] 2.5	39.2 [11.49] 29.2 [8.56] 2.4	37.4 [10.96] 25.8 [7.56] 2.4	38.1 [11.17] 37.5 [10.99] 2.4	36.5 [10.70] 33.6 [9.85] 2.4	34.8 [10.20] 29.7 [8.70] 2.3
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	43.3 [12.69] 26.5 [7.77] 2.5	41.4 [12.13] 23.7 [6.95] 2.5	39.5 [11.58] 21.0 [6.15] 2.4	39.7 [11.63] 31.9 [9.35] 2.6	37.9 [11.11] 28.6 [8.38] 2.6	36.2 [10.61] 25.2 [7.39] 2.5	36.8 [10.79] 36.7 [10.76] 2.6	35.2 [10.32] 33.0 [9.67] 2.5	33.6 [9.85] 29.1 [8.53] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	41.9 [12.28] 25.8 [7.56] 2.7	40.1 [11.75] 23.1 [6.77] 2.6	38.3 [11.22] 20.4 [5.98] 2.6	38.4 [11.25] 31.1 [9.11] 2.8	36.7 [10.76] 27.9 [8.18] 2.7	35.0 [10.26] 24.6 [7.21] 2.7	35.5 [10.40] 35.5 [10.40] 2.7	34.0 [9.96] 32.3 [9.47] 2.7	32.4 [9.50] 28.5 [8.35] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.6 [11.90] 24.9 [7.30] 2.8	38.9 [11.40] 22.3 [6.54] 2.8	37.1 [10.87] 19.7 [5.77] 2.7	37.0 [10.84] 30.3 [8.88] 2.9	35.4 [10.37] 27.2 [7.97] 2.9	33.8 [9.91] 24.0 [7.03] 2.8	34.2 [10.02] 34.2 [10.02] 2.9	32.7 [9.58] 31.6 [9.26] 2.8	31.2 [9.14] 27.9 [8.18] 2.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	39.4 [11.55] 24.1 [7.06] 3.0	37.6 [11.02] 21.6 [6.33] 2.9	35.9 [10.52] 19.1 [5.60] 2.8	35.8 [10.49] 29.5 [8.65] 3.1	34.2 [10.02] 26.4 [7.74] 3.0	32.7 [9.58] 23.3 [6.83] 2.9	33.0 [9.67] 33.0 [9.67] 3.0	31.5 [9.23] 30.8 [9.03] 3.0	30.1 [8.82] 27.2 [7.97] 2.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	38.2 [11.20] 23.3 [6.83] 3.1	36.5 [10.70] 20.9 [6.13] 3.1	34.8 [10.20] 18.4 [5.39] 3.0	34.6 [10.14] 28.7 [8.41] 3.2	33.1 [9.70] 25.7 [7.53] 3.1	31.6 [9.26] 22.7 [6.65] 3.1	31.8 [9.32] 31.8 [9.32] 3.2	30.4 [8.91] 30.1 [8.82] 3.1	29.0 [8.50] 26.6 [7.80] 3.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	37.1 [10.87] 22.6 [6.62] 3.3	35.5 [10.40] 20.3 [5.95] 3.2	33.9 [9.94] 17.9 [5.25] 3.1	33.5 [9.82] 28.0 [8.21] 3.4	32.0 [9.38] 25.1 [7.36] 3.3	30.6 [8.97] 22.2 [6.51] 3.2	30.7 [9.00] 30.7 [9.00] 3.3	29.3 [8.59] 29.3 [8.59] 3.3	28.0 [8.21] 26.1 [7.65] 3.2

GROSS SYSTEMS PERFORMANCE DATA—RKPL-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]			1810 [854.2]	1450 [684.3]	1090 [514.4]	1810 [854.2]	1450 [684.3]	1090 [514.4]	1810 [854.2]	1450 [684.3]	1090 [514.4]
DR ①			.23	.20	.15	.23	.20	.15	.23	.20	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	52.7 [15.44] 32.4 [9.50] 2.6	50.4 [14.77] 29.0 [8.50] 2.5	48.1 [14.10] 25.6 [7.50] 2.5	50.0 [14.65] 39.0 [11.43] 2.5	47.8 [14.01] 34.9 [10.23] 2.5	45.7 [13.39] 30.9 [9.06] 2.4	46.1 [13.51] 45.2 [13.25] 2.5	44.1 [12.92] 40.5 [11.87] 2.5	42.1 [12.34] 35.8 [10.49] 2.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	51.8 [15.18] 31.9 [9.35] 2.7	49.5 [14.51] 28.5 [8.35] 2.7	47.3 [13.86] 25.2 [7.39] 2.6	49.1 [14.39] 38.5 [11.28] 2.7	46.9 [13.75] 34.5 [10.11] 2.6	44.8 [13.13] 30.4 [8.91] 2.6	45.2 [13.25] 44.7 [13.10] 2.7	43.2 [12.66] 40.0 [11.72] 2.6	41.2 [12.07] 35.4 [10.37] 2.6
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.6 [14.83] 31.3 [9.17] 2.9	48.4 [14.18] 28.0 [8.21] 2.8	46.2 [13.54] 24.7 [7.24] 2.8	47.9 [14.04] 37.9 [11.11] 2.9	45.8 [13.42] 33.9 [9.94] 2.8	43.7 [12.81] 30.0 [8.79] 2.7	43.9 [12.87] 43.9 [12.87] 2.8	42.0 [12.31] 39.5 [11.58] 2.8	40.1 [11.75] 34.9 [10.23] 2.7
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	49.1 [14.39] 30.5 [8.94] 3.0	47.0 [13.77] 27.3 [8.00] 3.0	44.9 [13.16] 24.2 [7.09] 2.9	46.4 [13.60] 37.1 [10.87] 3.0	44.4 [13.01] 33.3 [9.76] 2.9	42.4 [12.43] 29.4 [8.62] 2.9	42.5 [12.46] 42.5 [12.46] 3.0	40.7 [11.93] 38.8 [11.37] 2.9	38.8 [11.37] 34.3 [10.05] 2.9
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.5 [13.92] 29.7 [8.70] 3.2	45.5 [13.33] 26.6 [7.80] 3.1	43.4 [12.72] 23.5 [6.89] 3.1	44.8 [13.13] 36.4 [10.67] 3.2	42.9 [12.57] 32.6 [9.55] 3.1	40.9 [11.99] 28.8 [8.44] 3.0	40.9 [11.99] 40.9 [11.99] 3.2	39.1 [11.46] 38.3 [11.22] 3.1	37.3 [10.93] 33.7 [9.88] 3.0
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.8 [13.42] 28.9 [8.47] 3.4	43.8 [12.84] 25.9 [7.59] 3.3	41.8 [12.25] 22.9 [6.71] 3.2	43.1 [12.63] 35.5 [10.40] 3.3	41.2 [12.07] 31.8 [9.32] 3.3	39.4 [11.55] 28.1 [8.24] 3.2	39.2 [11.49] 39.2 [11.49] 3.3	37.5 [10.99] 37.2 [10.90] 3.2	35.8 [10.49] 33.0 [9.67] 3.2
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	44.1 [12.92] 28.0 [8.21] 3.5	42.1 [12.34] 25.1 [7.36] 3.4	40.2 [11.78] 22.2 [6.51] 3.4	41.3 [12.10] 34.6 [10.14] 3.5	39.5 [11.58] 31.0 [9.09] 3.4	37.7 [11.05] 27.4 [8.03] 3.3	37.4 [10.96] 37.4 [10.96] 3.5	35.8 [10.49] 35.8 [10.49] 3.4	34.2 [10.02] 32.3 [9.47] 3.3
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	42.3 [12.40] 27.1 [7.94] 3.7	40.5 [11.87] 24.3 [7.12] 3.6	38.6 [11.31] 21.5 [6.30] 3.5	39.6 [11.61] 33.7 [9.88] 3.6	37.9 [11.11] 30.2 [8.85] 3.6	36.2 [10.61] 26.7 [7.83] 3.5	35.7 [10.46] 35.7 [10.46] 3.6	34.1 [9.99] 34.1 [9.99] 3.6	32.6 [9.55] 31.6 [9.26] 3.5
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	40.6 [11.90] 26.2 [7.68] 3.8	38.9 [11.40] 23.5 [6.89] 3.7	37.1 [10.87] 20.8 [6.10] 3.7	37.9 [11.11] 32.8 [9.61] 3.8	36.3 [10.64] 29.4 [8.62] 3.7	34.6 [10.14] 26.0 [7.62] 3.6	34.0 [9.96] 34.0 [9.96] 3.8	32.5 [9.52] 32.5 [9.52] 3.7	31.1 [9.11] 30.9 [9.06] 3.6

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

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

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—RKPL-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 [943.8]	1600 [755.1]	1200 [566.3]	2000 [943.8]	1600 [755.1]	1200 [566.3]	2000 [943.8]	1600 [755.1]	1200 [566.3]
DR ①		.21	.18	.14	.21	.18	.14	.21	.18	.14
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	63.2 [18.52] 38.5 [11.28] 2.9	60.4 [17.70] 34.4 [10.08] 2.8	57.7 [16.91] 30.4 [8.91] 2.8	59.4 [17.41] 45.8 [13.42] 2.9	56.8 [16.65] 41.0 [12.02] 2.9	54.2 [15.88] 36.2 [10.61] 2.8	53.7 [15.74] 52.6 [15.42] 2.9	51.4 [15.06] 47.1 [13.80] 2.8
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	61.1 [17.91] 37.1 [10.87] 3.1	58.5 [17.14] 33.3 [9.76] 3.0	55.8 [16.35] 29.4 [8.62] 3.0	57.3 [16.79] 44.5 [13.04] 3.1	54.8 [16.06] 39.9 [11.69] 3.0	52.3 [15.33] 35.2 [10.32] 3.0	51.6 [15.12] 51.3 [15.03] 3.1	49.4 [14.48] 45.9 [13.45] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	59.4 [17.41] 36.2 [10.61] 3.3	56.8 [16.65] 32.4 [9.50] 3.2	54.2 [15.88] 28.6 [8.38] 3.1	55.6 [16.29] 43.6 [12.78] 3.3	53.2 [15.59] 39.0 [11.43] 3.2	50.8 [14.89] 34.5 [10.11] 3.2	49.9 [14.62] 49.9 [14.62] 3.3	47.7 [13.98] 45.1 [13.22] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	57.9 [16.97] 35.5 [10.40] 3.5	55.4 [16.24] 31.8 [9.32] 3.4	52.9 [15.50] 28.1 [8.24] 3.3	54.1 [15.86] 42.9 [12.57] 3.5	51.8 [15.18] 38.4 [11.25] 3.4	49.4 [14.48] 33.9 [9.94] 3.3	48.4 [14.18] 48.4 [14.18] 3.5	46.3 [13.57] 44.4 [13.01] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	56.6 [16.59] 34.9 [10.23] 3.7	54.1 [15.86] 31.3 [9.17] 3.6	51.7 [15.15] 27.6 [8.09] 3.5	52.8 [15.47] 42.3 [12.40] 3.7	50.5 [14.80] 37.9 [11.11] 3.6	48.2 [14.13] 33.4 [9.79] 3.5	47.1 [13.80] 47.1 [13.80] 3.6	45.0 [13.19] 44.0 [12.90] 3.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	55.2 [16.18] 34.3 [10.05] 3.9	52.8 [15.47] 30.8 [9.03] 3.8	50.4 [14.77] 27.2 [7.97] 3.7	51.4 [15.06] 41.7 [12.22] 3.9	49.2 [14.42] 37.3 [10.93] 3.8	46.9 [13.75] 33.0 [9.67] 3.7	45.7 [13.39] 45.7 [13.39] 3.8	43.7 [12.81] 43.3 [12.69] 3.8
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	53.7 [15.74] 33.6 [9.85] 4.0	51.4 [15.06] 30.1 [8.82] 4.0	49.1 [14.39] 26.6 [7.80] 3.9	49.9 [14.62] 41.0 [12.02] 4.1	47.7 [13.98] 36.7 [10.76] 4.0	45.6 [13.36] 32.4 [9.50] 3.9	44.2 [12.95] 44.2 [12.95] 4.0	42.3 [12.40] 42.3 [12.40] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.24] 32.7 [9.58] 4.2	49.7 [14.57] 29.3 [8.59] 4.1	47.5 [13.92] 25.8 [7.56] 4.1	48.2 [14.13] 40.0 [11.72] 4.2	46.1 [13.51] 35.8 [10.49] 4.2	44.0 [12.90] 31.7 [9.29] 4.1	42.5 [12.46] 42.5 [12.46] 4.2	40.7 [11.93] 40.7 [11.93] 4.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	49.9 [14.62] 31.3 [9.17] 4.4	47.7 [13.98] 28.0 [8.21] 4.3	45.5 [13.33] 24.8 [7.27] 4.2	46.0 [13.48] 38.7 [11.34] 4.4	44.0 [12.90] 34.6 [10.14] 4.3	42.0 [12.31] 30.6 [8.97] 4.3	40.4 [11.84] 40.4 [11.84] 4.4	38.6 [11.31] 38.6 [11.31] 4.3

GROSS SYSTEMS PERFORMANCE DATA—RKPL-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]		2310 [1090.1]	1850 [873.1]	1390 [656]	2310 [1090.1]	1850 [873.1]	1390 [656]	2310 [1090.1]	1850 [873.1]	1390 [656]
DR ①		.20	.17	.12	.20	.17	.12	.20	.17	.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	77.5 [22.71] 45.5 [13.33] 3.6	74.2 [21.75] 40.7 [11.93] 3.5	70.8 [20.75] 36.0 [10.55] 3.5	71.2 [20.87] 52.6 [15.42] 3.6	68.1 [19.96] 47.1 [13.80] 3.5	65.0 [19.05] 41.6 [12.19] 3.4	63.7 [18.67] 62.6 [18.35] 3.6	61.0 [17.88] 56.0 [16.41] 3.5
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	75.7 [22.19] 44.6 [13.07] 3.8	72.4 [21.22] 40.0 [11.72] 3.8	69.1 [20.25] 35.3 [10.35] 3.7	69.4 [20.34] 51.8 [15.18] 3.8	66.4 [19.46] 46.4 [13.60] 3.7	63.4 [18.58] 41.0 [12.02] 3.7	61.9 [18.14] 61.7 [18.08] 3.8	59.2 [17.35] 55.3 [16.21] 3.7
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	74.0 [21.69] 43.8 [12.84] 4.1	70.8 [20.75] 39.2 [11.49] 4.0	67.6 [19.81] 34.7 [10.17] 3.9	67.7 [19.84] 51.0 [14.95] 4.0	64.8 [18.99] 45.6 [13.36] 4.0	61.9 [18.14] 40.3 [11.81] 3.9	60.3 [17.67] 60.3 [17.67] 4.0	57.6 [16.88] 54.6 [16.00] 3.9
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	72.4 [21.22] 43.0 [12.60] 4.3	69.3 [20.31] 38.5 [11.28] 4.2	66.1 [19.37] 34.0 [9.96] 4.1	66.1 [19.37] 50.2 [14.71] 4.3	63.3 [18.55] 44.9 [13.16] 4.2	60.4 [17.70] 39.7 [11.63] 4.1	58.7 [17.20] 58.7 [17.20] 4.2	56.1 [16.44] 53.8 [15.77] 4.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	70.8 [20.75] 42.2 [12.37] 4.5	67.7 [19.84] 37.8 [11.08] 4.4	64.6 [18.93] 33.4 [9.79] 4.3	64.5 [18.90] 49.4 [14.48] 4.5	61.7 [18.08] 44.2 [12.95] 4.4	58.9 [17.26] 39.0 [11.43] 4.3	57.0 [16.71] 57.0 [16.71] 4.5	54.5 [15.97] 53.2 [15.59] 4.4
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	69.0 [20.22] 41.3 [12.10] 4.7	66.0 [19.34] 37.0 [10.84] 4.6	63.0 [18.46] 32.7 [9.58] 4.6	62.7 [18.38] 48.5 [14.21] 4.7	60.0 [17.58] 43.4 [12.72] 4.6	57.3 [16.79] 38.3 [11.22] 4.5	55.2 [16.18] 55.2 [16.18] 4.7	52.8 [15.47] 52.3 [15.33] 4.6
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	67.0 [19.64] 40.3 [11.81] 5.0	64.1 [18.79] 36.1 [10.58] 4.9	61.2 [17.94] 31.9 [9.35] 4.8	60.7 [17.79] 47.5 [13.92] 4.9	58.1 [17.03] 42.5 [12.46] 4.8	55.4 [16.24] 37.5 [10.99] 4.7	53.2 [15.59] 53.2 [15.59] 4.9	50.9 [14.92] 50.9 [14.92] 4.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	64.7 [18.96] 39.2 [11.49] 5.2	61.9 [18.14] 35.1 [10.29] 5.1	59.1 [17.32] 31.0 [9.09] 5.0	58.4 [17.12] 46.3 [13.57] 5.2	55.9 [16.38] 41.5 [12.16] 5.1	53.3 [15.62] 36.6 [10.73] 5.0	50.9 [14.92] 50.9 [14.92] 5.1	48.7 [14.27] 48.7 [14.27] 5.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	61.9 [18.14] 37.8 [11.08] 5.4	59.2 [17.35] 33.9 [9.94] 5.3	56.6 [16.59] 29.9 [8.76] 5.2	55.6 [16.29] 45.0 [13.19] 5.4	53.2 [15.59] 40.3 [11.81] 5.3	50.8 [14.89] 35.6 [10.43] 5.2	48.2 [14.13] 48.2 [14.13] 5.4	46.1 [13.51] 46.1 [13.51] 5.3

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

DIRECT-DRIVE 208 AIRFLOW PERFORMANCE

INDOOR AIRFLOW PERFORMANCE
RKNL SERIES

Unit Model	Motor Speed From Factory		Heating Input BTU/hr [kW]	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—208 Volts									
							External Static Pressure—Inches W.C. [kPa]									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]		
RKNL-A036	Low		80,000 [23.45]	1050/1350	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM	1210 [571]	1193 [563]	1175 [555]	1155 [545]	1125 [531]	1075 [507]	1015 [479]	925 [437]	360
		Watts	450				400	395	385	380	375	370				
		Med	CFM			1515 [715]	1500 [708]	1475 [696]	1450 [684]	1405 [663]	1350 [637]	1275 [602]	1180 [557]	445		
			Watts			525	515	510	505	490	475	460				
RKNL-A042	Med		80,000 [23.45]	1225/1575	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM	1680 [793]	1650 [779]	1625 [767]	1580 [746]	1530 [722]	1460 [689]	1390 [656]	1280 [604]	515
		Watts	650				640	630	610	580	560	545				
		Med	CFM			1210 [571]	1193 [563]	1175 [555]	1155 [545]	1125 [531]	1075 [507]	1015 [479]	925 [437]	360		
			Watts			450	400	395	385	380	375	370				
RKNL-A048	Med		80,000 [23.45]	1400/1800	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM	1210 [571]	1193 [563]	1175 [555]	1155 [545]	1125 [531]	1075 [507]	1015 [479]	925 [437]	360
		Watts	450				400	395	385	380	375	370				
		Med	CFM			1515 [715]	1500 [708]	1475 [696]	1450 [684]	1405 [663]	1350 [637]	1275 [602]	1180 [557]	445		
			Watts			525	515	510	505	490	475	460				
RKNL-A060	Med		80,000 [23.45]	1750/2250	10x10 1 HP [745] 3 Speed Motor (X-13 Motor)	High	CFM	1680 [793]	1650 [779]	1625 [767]	1580 [746]	1530 [722]	1460 [689]	1390 [656]	1280 [604]	515
		Watts	650				640	630	610	580	560	545				
		Low	CFM			1575 [743]	1536 [725]	1496 [706]	1457 [688]	1417 [669]	1377 [650]	1338 [631]	1298 [613]	414		
			Watts			297	314	330	347	364	381	397				
RKNL-A060	Med		100,000 [29.31]	1750/2250	10x10 1 HP [745] 3 Speed Motor (X-13 Motor)	Med	CFM	1985 [937]	1954 [922]	1919 [906]	1876 [885]	1824 [861]	1759 [830]	1679 [792]	1581 [746]	572
		Watts	535				553	574	593	606	609	599				
			High			135,000 [39.56]	CFM	2431 [1147]	2372 [1119]	2306 [1088]	2228 [1051]	2138 [1009]	2032 [959]	1907 [900]	1762 [832]	665

[] Designates Metric Conversions

DIRECT-DRIVE 230/460 AIRFLOW PERFORMANCE

Unit Model	Motor Speed From Factory		Heating Input BTU/hr [kW]	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—230/460 Volts							
							External Static Pressure—Inches W.C. [kPa]							
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
RKNL-A036	Low		80,000 [23.45]	1050/1350	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410
			Med			CFM 1685 [795] 635	1620 [765] 600	1580 [746] 580	1550 [732] 570	1500 [708] 550	1430 [675] 535	1350 [637] 505	1230 [580] 475	
			High			CFM 1870 [883] 780	1830 [864] 760	1790 [845] 740	1730 [816] 700	1660 [783] 660	1580 [746] 635	1500 [708] 600	1375 [649] 555	
			Low			CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410	
RKNL-A042	Med		80,000 [23.45]	1225/1575	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410
			Med			CFM 1685 [795] 635	1620 [765] 600	1580 [746] 580	1550 [732] 570	1500 [708] 550	1430 [675] 535	1350 [637] 505	1230 [580] 475	
			High			CFM 1870 [883] 780	1830 [864] 760	1790 [845] 740	1730 [816] 700	1660 [783] 660	1580 [746] 635	1500 [708] 600	1375 [649] 555	
			Low			CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410	
RKNL-A048	Med		80,000 [23.45]	1400/1800	10x10 1/2 HP [373] 3 Speed Motor (PSC Motor)	Low	CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410
			Med			CFM 1685 [795] 635	1620 [765] 600	1580 [746] 580	1550 [732] 570	1500 [708] 550	1430 [675] 535	1350 [637] 505	1230 [580] 475	
			High			CFM 1870 [883] 780	1830 [864] 760	1790 [845] 740	1730 [816] 700	1660 [783] 660	1580 [746] 635	1500 [708] 600	1375 [649] 555	
			Low			CFM 1400 [661] 470	1375 [649] 460	1360 [642] 455	1335 [630] 450	1305 [616] 440	1255 [592] 435	1210 [571] 425	1100 [519] 410	
RKNL-A060	Med		100,000 [29.31]	1750/2250	10x10 1 HP [745] 3 Speed Motor (X-13 Motor)	Med	CFM 1685 [795] 635	1620 [765] 600	1580 [746] 580	1550 [732] 570	1500 [708] 550	1430 [675] 535	1350 [637] 505	1230 [580] 475
			High			CFM 1870 [883] 780	1830 [864] 760	1790 [845] 740	1730 [816] 700	1660 [783] 660	1580 [746] 635	1500 [708] 600	1375 [649] 555	
			Low			CFM 1575 [743] 297	1536 [725] 314	1496 [706] 330	1457 [688] 347	1417 [669] 364	1377 [650] 381	1338 [631] 397	1298 [613] 414	
			Med			CFM 1985 [937] 535	1954 [922] 553	1919 [906] 574	1876 [885] 593	1824 [861] 606	1759 [830] 609	1679 [792] 599	1581 [746] 572	
			135,000 [39.56]			High	CFM 2431 [1147] 970	2372 [1119] 981	2306 [1088] 964	2228 [1051] 926	2138 [1009] 872	2032 [959] 806	1907 [900] 736	1762 [832] 665

[] Designates Metric Conversions

DIRECT-DRIVE 208 AIRFLOW PERFORMANCE

Unit Model Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/hr [kW]	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Dry Coil									
							External Static Pressure—Inches W.C. [kPa]									
	Cool	Heat					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]		
RKPL-A036 3.0 [10.55]	Low (Tap 2)			1050/1350	10 x 10 1/2 HP [373] 3 Speed (X-13 Motor)	Low (Tap 2)	CFM 1381 [652] RPM 675 Watts 200	1339 [632] 717 214	1291 [609] 766 225	1236 [583] 808 233	1193 [563] 855 248	1144 [540] 903 262	1079 [509] 961 275	1004 [474] 1016 289		
		Med. (Tap 3)	80,000 [23.45]			Med. (Tap 3)	CFM 1479 [698] RPM 706 Watts 242	1432 [676] 751 254	1385 [654] 795 266	1346 [635] 835 282	1304 [615] 874 291	1256 [593] 919 306	1201 [567] 970 319	1137 [537] 1024 336		
		High (Tap 4)	120,000 [35.17]			High (Tap 4)	CFM 1669 [788] RPM 788 Watts 356	1626 [767] 827 370	1585 [748] 868 401	1544 [729] 908 411	1500 [708] 941 426	1460 [689] 978 438	1418 [669] 1015 442	1376 [649] 1052 442		
	Med. (Tap 2)					Low (Tap 1)	CFM 1444 [681] RPM 681 Watts 208	1396 [659] 731 223	1347 [636] 780 237	1306 [616] 827 253	1265 [597] 873 268	1225 [578] 920 281	1185 [559] 966 293	1108 [523] 1038 317		
			Med. (Tap 3)	CFM 1643 [775] RPM 768 Watts 304	1605 [757] 805 319	1567 [740] 842 333	1523 [719] 887 350	1479 [698] 932 366	1441 [680] 971 381	1403 [662] 1009 395	1365 [644] 1048 410					
			High (Tap 4)	CFM 1875 [885] RPM 842 Watts 435	1837 [867] 880 452	1799 [849] 918 468	1755 [828] 955 487	1711 [808] 991 505	1673 [790] 1025 519	1635 [772] 1058 532	1597 [754] 1092 546					
RKPL-A048 4.0 [14.07]	Med. (Tap 2)			1400/1800	10 x 10 3/4 HP [559] 4 Speed (X-13 Motor)	Low (Tap 1)	CFM 1457 [688] RPM 710 Watts 229	1410 [665] 763 241	1363 [643] 816 252	1322 [624] 858 267	1280 [604] 900 282	1235 [583] 951 299	1190 [562] 1002 315	1106 [522] 1061 330		
						Med. (Tap 2)	CFM 1717 [810] RPM 817 Watts 360	1676 [791] 854 374	1635 [772] 890 387	1596 [753] 931 402	1556 [734] 971 417	1514 [715] 1012 433	1471 [694] 1052 449	1425 [673] 1092 461		
						Med. (Tap 3)	CFM 1717 [810] RPM 817 Watts 360	1676 [791] 854 374	1635 [772] 890 387	1596 [753] 931 402	1556 [734] 971 417	1514 [715] 1012 433	1471 [694] 1052 449	1425 [673] 1092 461		
	High (Tap 4)					High (Tap 4)	CFM 1875 [885] RPM 877 Watts 458	1837 [867] 911 473	1799 [849] 944 488	1757 [829] 979 503	1714 [809] 1014 517	1674 [790] 1053 534	1633 [771] 1091 550	1548 [731] 1113 535		
			Low (Tap 1)	CFM 1575 [743] RPM 741 Watts 297	1536 [725] 783 314	1496 [706] 824 330	1457 [688] 866 347	1417 [669] 907 364	1377 [650] 949 381	1338 [631] 990 397	1298 [613] 1032 414					
			Med. (Tap 2)	CFM 1985 [937] RPM 902 Watts 535	1954 [922] 942 553	1919 [906] 979 574	1876 [885] 1013 593	1824 [861] 1040 606	1759 [830] 1071 609	1679 [792] 1096 599	1581 [746] 1119 572					
RKPL-A060 5.0 [17.59]	High (Tap 3)			1750/2250	10 x 10 1 HP [745] 3 Speed (X-13 Motor)	High (Tap 3)	CFM 2431 [1147] RPM 1076 Watts 970	2372 [1119] 1089 981	2306 [1088] 1102 964	2228 [1051] 1114 926	2138 [1009] 1125 872	2032 [959] 1133 806	1907 [900] 1142 736	1762 [832] 1151 665		

[] Designates Metric Conversions

DIRECT-DRIVE 230/460 AIRFLOW PERFORMANCE

CFM [L/s] Air Delivery/RPM/Watts—230/460 Volts Side Discharge—Dry Coil																
Unit Model Cooling Capacity Tons [kW]		Motor Speed from Factory		Heating Input BTU/hr [kW]	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] # of Speeds	Motor Speed	External Static Pressure—Inches W.C. [kPa]								
								0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	
RKPL-A036 3.0 [10.55]	Low (Tap 2)				1050/1350	10 x 10 1/2 HP [373] 3 Speed (X-13 Motor)	Low (Tap 2)	CFM	1381 [652]	1339 [632]	1291 [609]	1236 [583]	1193 [563]	1144 [540]	1079 [509]	1004 [474]
							RPM	675	717	766	808	855	903	961	1016	
							Watts	200	214	225	233	248	262	275	289	
	Med. (Tap 3)		80,000 [23.45]	Med. (Tap 3)			CFM	1479 [698]	1432 [676]	1385 [654]	1346 [635]	1304 [615]	1256 [593]	1201 [567]	1137 [537]	
							RPM	706	751	795	835	874	919	970	1024	
							Watts	242	254	266	282	291	306	319	336	
RKPL-A042 3.5 [12.31]	High (Tap 4)		120,000 [35.17]		1225/1575	10 x 10 3/4 HP [559] 4 Speed (X-13 Motor)	High (Tap 4)	CFM	1669 [788]	1626 [767]	1585 [748]	1544 [729]	1500 [708]	1460 [689]	1418 [669]	1376 [649]
							RPM	788	827	868	908	941	978	1015	1052	
							Watts	356	370	385	401	411	426	438	442	
	Low (Tap 1)		80,000 [23.45]	Low (Tap 1)			CFM	1444 [681]	1396 [659]	1347 [636]	1306 [616]	1265 [597]	1225 [578]	1185 [559]	1108 [523]	
							RPM	681	731	780	827	873	920	966	1038	
							Watts	208	223	237	253	268	281	293	317	
RKPL-A048 4.0 [14.07]	Med. (Tap 2)				1400/1800	10 x 10 3/4 HP [559] 4 Speed (X-13 Motor)	Med. (Tap 2)	CFM	1643 [775]	1605 [757]	1567 [740]	1523 [719]	1479 [698]	1441 [680]	1403 [662]	1365 [644]
							RPM	768	805	842	887	932	971	1009	1048	
							Watts	304	319	333	350	366	381	395	410	
	High (Tap 4)		120,000 [35.17]	Med. (Tap 3)			CFM	1875 [885]	1837 [867]	1799 [849]	1755 [828]	1711 [808]	1673 [790]	1635 [772]	1597 [754]	
							RPM	842	880	918	955	991	1025	1058	1092	
							Watts	435	452	468	487	505	519	532	546	
RKPL-A060 5.0 [17.59]	Low (Tap 1)		80,000 [23.45]		1750/2250	10 x 10 1 HP [745] 3 Speed (X-13 Motor)	Low (Tap 1)	CFM	1457 [688]	1410 [665]	1363 [643]	1322 [624]	1280 [604]	1235 [583]	1190 [562]	1106 [522]
							RPM	710	763	816	858	900	951	1002	1061	
							Watts	229	241	252	267	282	299	315	330	
	Med. (Tap 2)			Med. (Tap 2)			CFM	1717 [810]	1676 [791]	1635 [772]	1596 [753]	1556 [734]	1514 [715]	1471 [694]	1425 [673]	
							RPM	817	854	890	931	971	1012	1052	1092	
							Watts	360	374	387	402	417	433	449	461	
RKPL-A060 5.0 [17.59]	Med. (Tap 2)		100,000 [29.31]		1750/2250	10 x 10 1 HP [745] 3 Speed (X-13 Motor)	Med. (Tap 3)	CFM	1717 [810]	1676 [791]	1635 [772]	1596 [753]	1556 [734]	1514 [715]	1471 [694]	1425 [673]
							RPM	817	854	890	931	971	1012	1052	1092	
							Watts	360	374	387	402	417	433	449	461	
	High (Tap 4)		135,000 [39.56]	High (Tap 4)			CFM	1875 [885]	1837 [867]	1799 [849]	1757 [829]	1714 [809]	1674 [790]	1633 [771]	1548 [731]	
							RPM	877	911	944	979	1014	1053	1091	1113	
							Watts	458	473	488	503	517	534	550	535	
RKPL-A060 5.0 [17.59]	Low (Tap 1)		100,000 [29.31]		1750/2250	10 x 10 1 HP [745] 3 Speed (X-13 Motor)	Low (Tap 1)	CFM	1575 [743]	1536 [725]	1496 [706]	1457 [688]	1417 [669]	1377 [650]	1338 [631]	1298 [613]
							RPM	741	783	824	866	907	949	790	1032	
							Watts	297	314	330	347	364	381	397	414	
	Med. (Tap 2)			Med. (Tap 2)			CFM	1985 [937]	1954 [922]	1919 [906]	1876 [885]	1824 [861]	1759 [830]	1679 [792]	1581 [746]	
							RPM	902	942	979	1013	1040	1071	1096	1119	
							Watts	535	553	574	593	606	609	599	572	
RKPL-A060 5.0 [17.59]	High (Tap 3)		135,000 [39.56]		1750/2250	10 x 10 1 HP [745] 3 Speed (X-13 Motor)	High (Tap 3)	CFM	2431 [1147]	2372 [1119]	2306 [1088]	2228 [1051]	2138 [1009]	2032 [959]	1907 [900]	1762 [832]
							RPM	1076	1089	1102	1114	1125	1133	1142	1151	
							Watts	970	981	964	926	872	806	736	665	

[] Designates Metric Conversions

Capacity 3 Ton [10.55 kW]—13 & 14 SEER

External Static Pressure—Inches of Water [kPa]

	L				M					
Drive Package	1/2 [373]				1/2 [373]					
Motor H.P. [W]	6.9" Pitch Diameter				6.4" Pitch Diameter					
Blower Sheave	2.4"-3.4" Pitch Diameter				3.4"-4.4" Pitch Diameter					
Motor Sheave	0	1	2	3	4	0	1	2	3	4
Turns Open	920	855	800	750	705	665	605	1230	1180	1130
RPM						1090				
						1045				
						1000				
						940				

COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]									
	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]	2200 [1038]	2400 [1133]	2600 [1227]	2800 [1321]
	Resistance—Inches Water [kPa]									
Wet Coil	.035	.040	.060	.070	.085	.100	.110	.120	.125	.130
Downflow	.055	.060	.066	.072	.080	.086	.093	.100	.107	.115
R.S.I. Economizer R.A. Damper	.05	.06	.07	.08	.09	.10	.11	.12	.13	.15

1. Performance shown with dry coil & standard 1" [25.4 mm] filters
2. Standard CFM @ .075 lbs./cu. ft.
3. Motor efficiency = 80% on 208/230, 460, 575 V. 3-Phase
Motor efficiency = 50% on 208/230 V. 1-Phase
4. BHP = Watts x Motor Eff.

746

5. Add component resistance to duct static to determine total E.S.P.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—3.5 TON [12.31 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 3.5 Ton [12.31 kW]—13 & 14 SEER																			
	Voltage 208/230-460—3 Phase																			
	External Static Pressure—Inches of Water [kPa]																			
	0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	1.1 [.27]	1.2 [.30]	1.3 [.32]	1.4 [.35]	1.5 [.37]					
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1000 [425]	—	—	—	—	—	325	305	790	325	850	360	895	380	945	400	995	420	1060	455	1105
1100 [519]	—	—	—	—	—	350	320	810	355	870	380	915	400	965	415	1010	450	1075	500	1120
1200 [566]	—	—	—	—	—	375	345	870	380	935	410	935	440	985	450	1030	500	1090	540	1130
1300 [614]	—	—	—	—	—	400	360	800	395	860	415	905	445	955	465	1005	510	1050	550	1140
1400 [661]	—	—	—	—	—	425	375	765	395	830	420	880	460	925	490	985	510	1015	560	1150
1500 [708]	—	—	—	—	—	450	410	795	440	855	460	905	495	950	540	1000	590	1030	610	1090
1600 [755]	725	410	765	445	820	470	875	510	925	540	975	570	1015	640	1055	660	1105	700	1145	745
1700 [802]	740	460	795	495	850	520	900	550	945	600	1000	650	1020	690	1075	740	1125	760	1165	810
1800 [850]	770	500	825	535	875	570	925	605	980	650	1010	710	1045	750	1100	790	1145	835	1185	900

NOTE: Bold lines separate L, M and N drives respectively.

Drive Package	L										M									
	1/2 [373]										1/2 [373]									
	6.9" Pitch Diameter										6.4" Pitch Diameter									
Blower Sheave																				
Motor Sheave																				
Turns Open																				
RPM	0	1	2	3	4	5	6	725	770	820	865	905	958	1000	1045	1090	1135	1185	1225	1270

NOTE: Factory sheave settings are shown in bold print.

AIRFLOW PERFORMANCE—4 TON [14.07 kW] BELT DRIVE

Air Flow CFM [L/s]	Capacity 4 Ton [14.07 kW]—13 & 14 SEER																			
	Voltage 208/230-460—3 Phase																			
	External Static Pressure—Inches of Water [kPa]																			
	0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]	1.1 [.27]	1.2 [.30]	1.3 [.32]	1.4 [.35]	1.5 [.37]					
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1200 [566]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1300 [614]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1400 [661]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1500 [708]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1600 [755]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1700 [802]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1800 [850]	775	425	815	465	870	495	530	560	1005	605	1025	655	1075	715	1120	735	1165	770	1215	810
1900 [897]	775	425	815	465	870	495	530	560	1005	605	1025	655	1075	715	1120	735	1165	770	1215	810
2000 [944]	830	595	885	640	940	670	710	1020	790	1065	840	1115	860	1160	900	1200	950	1240	1010	1295

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

Drive Package	L										M									
	1/2 [373]										3/4 [559]									
	6.4" Pitch Diameter										5.7" Pitch Diameter									
Blower Sheave																				
Motor Sheave																				
Turns Open																				
RPM	0	1	2	3	4	5	6	770	825	865	910	955	1000	1045	1090	1135	1180	1225	1270	1315

NOTE: Factory sheave settings are shown in bold print.

[] Designates Metric Conversions

N Drive (Field Supplied)
Blower Sheave—6.4 Pitch Diameter
Motor Sheave—4.0-5.0 Pitch Diameter
RPM Range—1090-1365
Motor—1/2 H.P. [373 W]—1750 RPM

AIRFLOW PERFORMANCE—5 TON [17.6 kW] THREE PHASE BELT DRIVE

Air Flow CFM [L/s]	Capacity 5 Ton [17.6 kW]—13 SEER		Voltage 208/230-460—3 Phase		External Static Pressure—Inches of Water [kPa]																							
	0.1 [.02]		0.2 [.05]		0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1400 [661]	—	—	—	—	780	370	815	385	875	425	930	460	970	490	1030	540	1065	570	1105	595	1150	615	1195	645	1235	660	1300	705
1500 [708]	—	—	—	—	795	405	840	415	895	440	945	500	995	540	1045	595	1080	615	1135	650	1165	675	1215	700	1255	735	1320	775
1600 [755]	—	—	780	390	805	425	870	470	915	510	965	560	1015	600	1060	640	1105	680	1145	705	1180	730	1225	750	1275	790	1340	840
1700 [802]	—	—	795	450	840	490	895	530	940	570	990	605	1035	640	1075	680	1120	725	1160	755	1200	790	1245	815	1300	855	1365	905
1800 [850]	780	455	815	470	870	540	915	560	965	615	1010	660	1055	710	1100	760	1140	785	1175	810	1225	850	1260	880	1320	930	1365	985
1900 [897]	800	485	850	530	895	590	945	640	995	675	1035	720	1070	775	1120	810	1160	850	1200	890	1245	915	1290	960	1335	1000	1375	1050
2000 [944]	830	550	880	605	930	655	970	700	1015	730	1055	790	1105	830	1145	875	1180	910	1225	950	1260	980	1320	1035	1350	1075	1385	1120
2100 [991]	860	615	915	655	955	705	1005	760	1040	820	1080	870	1130	910	1170	950	1210	995	1250	1020	1290	1060	1335	1100	1370	1150	1400	1200
2200 [1038]	895	680	945	735	995	780	1030	830	1060	880	1120	940	1155	980	1195	1020	1240	1055	1275	1100	1320	1140	1360	1180	1385	1225	—	—
2300 [1085]	940	755	975	795	1015	830	1065	910	1100	965	1150	105	1180	1050	1225	1085	1265	1125	1310	1175	1350	1230	1375	1260	1405	1320	—	—
2400 [1133]	970	825	1015	880	1040	925	1095	1005	1145	1055	1175	1085	1225	1140	1260	1175	1300	1210	1340	1255	1370	1315	1400	1375	—	—	—	—
2500 [1179]	1015	910	1040	935	1095	1040	1145	1100	1170	1140	1200	1175	1260	1215	1305	1270	1360	1350	1400	1395	—	—	—	—	—	—	—	—

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

L										M									
Drive Package																			
Motor H.P. [W]										1 [746]									
Blower Sheave										6.4" Pitch Diameter									
Motor Sheave										3.4"-4.4" Pitch Diameter—Adj.									
Turns Open																			
RPM																			

AIRFLOW PERFORMANCE—5 TON [17.6 kW] THREE PHASE BELT DRIVE

Air Flow CFM [L/s]	Capacity 5 Ton [17.6 kW]—14 SEER		Voltage 208/230-460—3 Phase		External Static Pressure—Inches of Water [kPa]																							
	0.1 [.02]		0.2 [.05]		0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]	
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1400 [661]	—	—	—	—	—	—	794	395	835	433	877	467	918	499	962	528	1011	556	1085	610	1118	668	1152	723	1187	776	1220	827
1500 [708]	—	—	—	—	—	—	810	440	851	478	892	512	934	544	978	573	1026	601	1087	666	1120	724	1154	779	1189	832	1222	883
1600 [755]	—	—	—	—	—	—	830	489	871	527	913	562	954	593	998	623	1059	668	1090	729	1123	786	1158	842	1193	894	1226	945
1700 [802]	—	—	—	—	—	—	854	544	896	582	937	616	979	648	1023	677	1065	736	1096	797	1129	855	1164	910	1199	963	1232	1014
1800 [850]	—	—	—	—	—	—	882	604	923	642	964	676	1006	708	1044	747	1074	811	1105	872	1139	930	1173	985	1208	1038	1241	1089
1900 [897]	788	507	828	574	869	625	910	668	952	706	993	741	1035	772	1057	828	1087	892	1118	953	1151	1011	1186	1066	1221	1119	1254	1170
2000 [944]	817	578	857	644	898	695	939	739	981	777	1022	811	1044	848	1073	916	1103	980	1134	1041	1168	1099	1202	1154	1237	1207	1270	1258
2100 [991]	845	653	885	720	927	771	968	814	1009	852	1035	869	1064	943	1093	1011	1123	1075	1154	1136	1187	1194	1222	1249	1256	1302	1290	1353
2200 [1038]	873	734	913	801	955	852	996	896	1037	934	1057	971	1086	1044	1115	1113	1145	1177	1176	1238	1210	1295	1244	1350	1279	1403	—	—
2300 [1085]	902	821	942	888	983	939	1024	983	1049	1000	1081	1080	1111	1153	1140	1222	1169	1286	1201	1347	1234	1404	1269	1459	—	—	—	—
2400 [1133]	933	914	973	981	1014	1032	1036	1028	1075	1116	1107	1196	1137	1270	1165	1338	1195	1402	1227	1463	—	—	—	—	—	—	—	—
2500 [1179]	970	1013	1010	1080	1035	1062	1062	1152	1101	1240	1133	1320	1163	1393	1191	1462	—	—	—	—	—	—	—	—	—	—	—	—

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

Drive Package			L			M		
Motor H.P. [W]			3/4 [559]			1 [746]		
Blower Sheave			6.9" Pitch Diameter			6.9" Pitch Diameter		
Motor Sheave			2.8"-3.8" Pitch Diameter—Adj.			4.0"-5.0" Pitch Diameter—Adj.		
Turns Open			0	1	2	3	4	5
RPM			1007	963	922	880	833	785
						1272	1242	1210
						1172	1130	1089

NOTE: Factory sheave settings are shown in bold print.

[] Designates Metric Conversions

ELECTRICAL DATA – RKNL SERIES										
		-A036CK08E	-A036CK12E	-A036CL08E	-A036CL12E	-A036CM08E	-A036CM12E	-A036DK08E	-A036DK12E	-A036DL08E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	414-506	414-506	414-506
	Minimum Circuit Ampacity	19/19	19/19	18/18	18/18	18/18	18/18	11	11	10
	Minimum Overcurrent Protection Device Size	25/25	25/25	20/20	20/20	20/20	20/20	15	15	15
	Maximum Overcurrent Protection Device Size	25/25	25/25	25/25	25/25	25/25	25/25	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	3	3	3	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	5.8	5.8	5.8
	Amps (LRA)	88/88	88/88	88/88	88/88	88/88	88/88	38	38	38
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1
	Amps (LRA)	3	3	3	3	3	3	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	1	1	3	3	3	3	1	1	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA)	4	4	2.8	2.8	2.8	2.8	2	2	1.4
	Amps (LRA)	6.7	6.7	11.3	11.3	11.3	11.3	3.6	3.6	6.2

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

ELECTRICAL DATA – RKNL SERIES										
		-A036DL12E	-A036DM08E	-A036DM12E	-A036JK08E	-A036JK08X	-A036JK12E	-A036JK12X	-A036YL08E	-A036YL12E
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	187-253	187-253	187-253	187-253	517-633	517-633
	Minimum Circuit Ampacity	10	10	10	27/27	27/27	27/27	27/27	7	7
	Minimum Overcurrent Protection Device Size	15	15	15	35/35	35/35	35/35	35/35	15	15
	Maximum Overcurrent Protection Device Size	15	15	15	40/40	40/40	40/40	40/40	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	575	575
	Phase	3	3	3	1	1	1	1	3	3
	HP	3	3	3	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	5.8	5.8	5.8	16.7/16.7	16.7/16.7	16.7/16.7	16.7/16.7	3.8	3.8
	Amps (LRA)	38	38	38	79/79	79/79	79/79	79/79	36.5	36.5
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	575	575
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1.5	1.5	1.5	1.5	0.8	0.8
	Amps (LRA)	1.9	1.9	1.9	3	3	3	3	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	575	575
	Phase	3	3	3	1	1	1	1	3	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4
	Amps (FLA)	1.4	1.4	1.4	4	4	4	4	1.3	1.3
	Amps (LRA)	6.2	6.2	6.2	6.7	6.7	6.7	6.7	6	6

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKNL SERIES										
		-A042CL08E	-A042CL12E	-A042CM08E	-A042CM12E	-A042DK08E	-A042DK12E	-A042DL08E	-A042DL12E	-A042DM08E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	414-506	414-506	414-506	414-506	414-506
	Minimum Circuit Ampacity	22/22	22/22	22/22	22/22	11	11	10	10	10
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	25/25	15	15	15	15	15
	Maximum Overcurrent Protection Device Size	30/30	30/30	30/30	30/30	15	15	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	13.5/13.5	13.5/13.5	13.5/13.5	13.5/13.5	6	6	6	6	6
	Amps (LRA)	88/88	88/88	88/88	88/88	44	44	44	44	44
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1	1	1	1	1
	Amps (LRA)	3	3	3	3	1.9	1.9	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	3	3	3	3	1	1	3	3	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA)	2.8	2.8	2.8	2.8	2	2	1.4	1.4	1.4
	Amps (LRA)	11.3	11.3	11.3	11.3	3.6	3.6	6.2	6.2	6.2

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

ELECTRICAL DATA – RKNL SERIES										
		-A042DK12E	-A042DL08E	-A042DL12E	-A042DM08E	-A042DM12E	-A042JK08E	-A042JK08X	-A042JK12E	-A042JK12X
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	414-506	414-506	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	11	10	10	10	10	28/28	28/28	28/28	28/28
	Minimum Overcurrent Protection Device Size	15	15	15	15	15	35/35	35/35	35/35	35/35
	Maximum Overcurrent Protection Device Size	15	15	15	15	15	45/45	45/45	45/45	45/45
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	3	3	3	3	3	1	1	1	1
	HP	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/3
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	6	6	6	6	6	17.9/17.9	17.9/17.9	17.9/17.9	17.9/17.9
	Amps (LRA)	44	44	44	44	44	112/112	112/112	112/112	112/112
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1	1	1.5	1.5	1.5	1.5
	Amps (LRA)	1.9	1.9	1.9	1.9	1.9	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	1	3	3	3	3	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA)	2	1.4	1.4	1.4	1.4	4	4	4	4
	Amps (LRA)	3.6	6.2	6.2	6.2	6.2	6.7	6.7	6.7	6.7

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKNL SERIES										
		-A048CK08E	-A048CK10E	-A048CK13E	-A048CL08E	-A048CL10E	-A048CL13E	-A048CM08E	-A048CM10E	-A048CM13E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	23/23	23/23	23/23	22/22	22/22	22/22	23/23	23/23	23/23
	Minimum Overcurrent Protection Device Size	30/30	30/30	30/30	25/25	25/25	25/25	30/30	30/30	30/30
	Maximum Overcurrent Protection Device Size	35/35	35/35	35/35	35/35	35/35	35/35	35/35	35/35	35/35
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	3	3	3	3	3	3	3	3
	HP	4	4	4	4	4	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7
	Amps (LRA)	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA)	3	3	3	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	3	3	3	3	3	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
	Amps (FLA)	4	4	4	2.8	2.8	2.8	3.4	3.4	3.4
	Amps (LRA)	6.7	6.7	6.7	11.3	11.3	11.3	16.8	16.8	16.8

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

ELECTRICAL DATA – RKNL SERIES										
		-A048DK08E	-A048DK10E	-A048DK13E	-A048DL08E	-A048DL10E	-A048DL13E	-A048DM08E	-A048DM10E	-A048DM13E
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	414-506	414-506	414-506	414-506	414-506	414-506
	Minimum Circuit Ampacity	11	11	11	11	11	11	11	11	11
	Minimum Overcurrent Protection Device Size	15	15	15	15	15	15	15	15	15
	Maximum Overcurrent Protection Device Size	15	15	15	15	15	15	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	460	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	4	4	4	4	4	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Amps (LRA)	41	41	41	41	41	41	41	41	41
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	460	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1	1	1	1	1	1
	Amps (LRA)	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	460	460	460	460
	Phase	1	1	1	3	3	3	3	3	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
	Amps (FLA)	2	2	2	1.4	1.4	1.4	1.6	1.6	1.6
	Amps (LRA)	3.6	3.6	3.6	6.2	6.2	6.2	8.4	8.4	8.4

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKNL SERIES										
		-A048JK08E	-A048JK08X	-A048JK10E	-A048JK10X	-A048JK13E	-A048JK13X	-A048YL10E	-A048YL13E	-A048YM10E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	517-633	517-633	517-633
	Minimum Circuit Ampacity	33/33	33/33	33/33	33/33	33/33	33/33	9	9	9
	Minimum Overcurrent Protection Device Size	40/40	40/40	40/40	40/40	40/40	40/40	15	15	15
	Maximum Overcurrent Protection Device Size	50/50	50/50	50/50	50/50	50/50	50/50	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	575	575	575
	Phase	1	1	1	1	1	1	3	3	3
	HP	4	4	4	4	4	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	21.8/21.8	21.8/21.8	21.8/21.8	21.8/21.8	21.8/21.8	21.8/21.8	4.8	4.8	4.8
	Amps (LRA)	117/117	117/117	117/117	117/117	117/117	117/117	33	33	33
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	575	575	575
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8
	Amps (LRA)	3	3	3	3	3	3	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	575	575	575
	Phase	1	1	1	1	1	1	3	3	3
	HP	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
	Amps (FLA)	4	4	4	4	4	4	1.3	1.3	1.3
	Amps (LRA)	6.7	6.7	6.7	6.7	6.7	6.7	6	6	6

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

ELECTRICAL DATA – RKNL SERIES										
		-A048YM13E	-A060CK10E	-A060CK13E	-A060CL10E	-A060CL13E	-A060CM10E	-A060CM13E	-A060DK10E	-A060DK13E
Unit Information	Unit Operating Voltage Range	517-633	187-253	187-253	187-253	187-253	187-253	187-253	414-506	414-506
	Minimum Circuit Ampacity	9	30/30	30/30	26/26	26/26	26/26	26/26	15	15
	Minimum Overcurrent Protection Device Size	15	35/35	35/35	30/30	30/30	30/30	30/30	20	20
	Maximum Overcurrent Protection Device Size	15	40/40	40/40	40/40	40/40	40/40	40/40	20	20
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	575	208/230	208/230	208/230	208/230	208/230	208/230	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	4	5	5	5	5	5	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	4.8	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	7.8	7.8
	Amps (LRA)	33	110/110	110/110	110/110	110/110	110/110	110/110	52	52
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	575	208/230	208/230	208/230	208/230	208/230	208/230	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	0.8	2.2	2.2	2.2	2.2	2.2	2.2	1	1
	Amps (LRA)	1.9	4.9	4.9	4.9	4.9	4.9	4.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	575	208/230	208/230	208/230	208/230	208/230	208/230	460	460
	Phase	3	1	1	3	3	3	3	1	1
	HP	3/4	1	1	3/4	3/4	1	1	1	1
	Amps (FLA)	1.3	7.6	7.6	3.4	3.4	3.8	3.8	4.0	4.0
	Amps (LRA)	6	0	0	16.8	16.8	24	24	0	0

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKNL SERIES										
		-A060DL10E	-A060DL13E	-A060DM10E	-A060DM13E	-A060JK10E	-A060JK10X	-A060JK13E	-A060JK13X	-A060YL10E
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	414-506	187-253	187-253	187-253	187-253	517-633
	Minimum Circuit Ampacity	13	13	13	13	43/43	43/43	43/43	43/43	10
	Minimum Overcurrent Protection Device Size	15	15	15	15	50/50	50/50	50/50	50/50	15
	Maximum Overcurrent Protection Device Size	20	20	20	20	60/60	60/60	60/60	60/60	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	208/230	208/230	208/230	208/230	575
	Phase	3	3	3	3	1	1	1	1	3
	HP	5	5	5	5	5	5	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	7.8	7.8	7.8	7.8	26.3/26.3	26.3/26.3	26.3/26.3	26.3/26.3	5.8
	Amps (LRA)	52	52	52	52	134/134	134/134	134/134	134/134	38.9
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	208/230	208/230	208/230	208/230	575
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1	2.2	2.2	2.2	2.2	0.8
	Amps (LRA)	1.9	1.9	1.9	1.9	4.9	4.9	4.9	4.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	208/230	208/230	208/230	208/230	575
	Phase	3	3	3	3	1	1	1	1	3
	HP	3/4	3/4	1	1	1	1	1	1	3/4
	Amps (FLA)	1.6	1.6	1.9	1.9	7.6	7.6	7.6	7.6	1.3
	Amps (LRA)	8.4	8.4	12	12	0	0	0	0	6

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

ELECTRICAL DATA – RKNL SERIES				
		-A060YL13E	-A060YM10E	-A060YM13E
Unit Information	Unit Operating Voltage Range	517-633	517-633	517-633
	Minimum Circuit Ampacity	10	10	10
	Minimum Overcurrent Protection Device Size	15	15	15
	Maximum Overcurrent Protection Device Size	15	15	15
Compressor Motor	No.	1	1	1
	Volts	575	575	575
	Phase	3	3	3
	HP	5	5	5
	RPM	3450	3450	3450
	Amps (RLA)	5.8	5.8	5.8
	Amps (LRA)	38.9	38.9	38.9
Condenser Motor	No.	1	1	1
	Volts	575	575	575
	Phase	1	1	1
	HP	1/3	1/3	1/3
	Amps (FLA)	0.8	0.8	0.8
	Amps (LRA)	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1
	Volts	575	575	575
	Phase	3	3	3
	HP	3/4	1	1
	Amps (FLA)	1.3	1.4	1.4
	Amps (LRA)	6	7.2	7.2

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES										
		-A036CK08E	-A036CK12E	-A036CL08E	-A036CL12E	-A036CM08E	-A036CM12E	-A036DL08E	-A036DK08E	-A036DK12E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	414-506	414-506	414-506
	Minimum Circuit Ampacity	19/19	19/19	18/18	18/18	18/18	18/18	10	11	11
	Minimum Overcurrent Protection Device Size	25/25	25/25	20/20	20/20	20/20	20/20	15	15	15
	Maximum Overcurrent Protection Device Size	25/25	25/25	25/25	25/25	25/25	25/25	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	3	3	3	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	10.4/10.4	5.8	5.8	5.8
	Amps (LRA)	88/88	88/88	88/88	88/88	88/88	88/88	38	38	38
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1
	Amps (LRA)	3	3	3	3	3	3	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	460	460	460
	Phase	1	1	3	3	3	3	3	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA)	4.1	4.1	2.8	2.8	2.8	2.8	1.4	2.1	2.1
	Amps (LRA)	0	0	11.3	11.3	11.3	11.3	6.2	0	0

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

ELECTRICAL DATA – RKPL SERIES										
		-A036DL12E	-A036DM08E	-A036DM12E	-A036JK08E	-A036JK08X	-A036JK13E	-A036JK12X	-A042CK08E	-A042CK12E
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	10	10	10	27/27	27/27	27/27	27/27	25/25	25/25
	Minimum Overcurrent Protection Device Size	15	15	15	35/35	35/35	35/35	35/35	30/30	30/30
	Maximum Overcurrent Protection Device Size	15	15	15	40/40	40/40	40/40	40/40	35/35	35/35
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	3	3	1	1	1	1	3	3
	HP	3	3	3	3	3	3	3	3 1/2	3 1/2
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	5.8	5.8	5.8	16.7/16.7	16.7/16.7	16.7/16.7	16.7/16.7	13.5/13.5	13.5/13.5
	Amps (LRA)	38	38	38	79/79	79/79	79/79	79/79	88/88	88/88
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA)	1.9	1.9	1.9	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	3	3	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4
	Amps (FLA)	1.4	1.4	1.4	4.1	4.1	4.1	4.1	6	6
	Amps (LRA)	6.2	6.2	6.2	0	0	0	0	0	0

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES										
		-A042CL08E	-A042CL12E	-A042CM08E	-A042CM12E	-A042DK08E	-A042DK12E	-A042DL08E	-A042DL12E	-A042DM08E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	414-506	414-506	414-506	414-506	414-506
	Minimum Circuit Ampacity	22/22	22/22	22/22	22/22	12	12	10	10	10
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	25/25	15	15	15	15	15
	Maximum Overcurrent Protection Device Size	30/30	30/30	30/30	30/30	15	15	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	13.5/13.5	13.5/13.5	13.5/13.5	13.5/13.5	6	6	6	6	6
	Amps (LRA)	88/88	88/88	88/88	88/88	44	44	44	44	44
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1	1	1	1	1
	Amps (LRA)	3	3	3	3	1.9	1.9	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	460	460	460	460	460
	Phase	3	3	3	3	1	1	3	3	3
	HP	1/2	1/2	1/2	1/2	3/4	3/4	1/2	1/2	1/2
	Amps (FLA)	2.8	2.8	2.8	2.8	3.2	3.2	1.4	1.4	1.4
	Amps (LRA)	11.3	11.3	11.3	11.3	0	0	6.2	6.2	6.2

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES										
		-A042DM12E	-A042JK08E	-A042JK08X	-A042JK12E	-A042JK12X	-A048CK08E	-A048CK10E	-A048CK13E	-A048CL08E
Unit Information	Unit Operating Voltage Range	414-506	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	10	30/30	30/30	30/30	30/30	25/25	25/25	25/25	22/22
	Minimum Overcurrent Protection Device Size	15	35/35	35/35	35/35	35/35	30/30	30/30	30/30	25/25
	Maximum Overcurrent Protection Device Size	15	45/45	45/45	45/45	45/45	35/35	35/35	35/35	35/35
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	1	1	1	1	3	3	3	3
	HP	3 1/2	3 1/2	3 1/2	3 1/2	3 1/3	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	6	17.9/17.9	17.9/17.9	17.9/17.9	17.9/17.9	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7
	Amps (LRA)	44	112/112	112/112	112/112	112/112	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA)	1.9	3	3	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	3	1	1	1	1	1	1	1	3
	HP	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1/2
	Amps (FLA)	1.4	6	6	6	6	6	6	6	2.8
	Amps (LRA)	6.2	0	0	0	0	0	0	0	11.3

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES

		-A048CL10E	-A048CL13E	-A048CM08E	-A048CM10E	-A048CM13E	-A048DK08E	-A048DK10E	-A048DK13E	-A048DL08E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	414-506	414-506	414-506	414-506
	Minimum Circuit Ampacity	22/22	22/22	23/23	23/23	23/23	12	12	12	11
	Minimum Overcurrent Protection Device Size	25/25	25/25	30/30	30/30	30/30	15	15	15	15
	Maximum Overcurrent Protection Device Size	35/35	35/35	35/35	35/35	35/35	15	15	15	15
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	460	460	460
	Phase	3	3	3	3	3	3	3	3	3
	HP	4	4	4	4	4	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	13.7/13.7	6.2	6.2	6.2	6.2
	Amps (LRA)	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	83.1/83.1	41	41	41	41
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	460	460	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	1.5	1.5	1.5	1	1	1	1
	Amps (LRA)	3	3	3	3	3	1.9	1.9	1.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	460	460	460	460
	Phase	3	3	3	3	3	1	1	1	3
	HP	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	1/2
	Amps (FLA)	2.8	2.8	3.4	3.4	3.4	3.2	3.2	3.2	1.4
	Amps (LRA)	11.3	11.3	16.8	16.8	16.8	0	0	0	6.2

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES										
		-A048DL10E	-A048DL13E	-A048DM08E	-A048DM10E	-A048DM13E	-A048JK08E	-A048JK08X	-A048JK10E	-A048JK10X
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	414-506	414-506	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	11	11	11	11	11	35/35	35/35	35/35	35/35
	Minimum Overcurrent Protection Device Size	15	15	15	15	15	45/45	45/45	45/45	45/45
	Maximum Overcurrent Protection Device Size	15	15	15	15	15	50/50	50/50	50/50	50/50
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	3	3	3	3	3	1	1	1	1
	HP	4	4	4	4	4	4	4	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	6.2	6.2	6.2	6.2	6.2	21.8/21.8	21.8/21.8	21.8/21.8	21.8/21.8
	Amps (LRA)	41	41	41	41	41	117/117	117/117	117/117	117/117
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1	1	1.5	1.5	1.5	1.5
	Amps (LRA)	1.9	1.9	1.9	1.9	1.9	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	3	3	3	3	3	1	1	1	1
	HP	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA)	1.4	1.4	1.6	1.6	1.6	6	6	6	6
	Amps (LRA)	6.2	6.2	8.4	8.4	8.4	0	0	0	0

1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES

		-A048JK13E	-A048JK13X	-A060CK10E	-A060CK13E	-A060CL10E	-A060CL13E	-A060CM10E	-A060CM13E	-A060DK10E
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	414-506
	Minimum Circuit Ampacity	35/35	35/35	30/30	30/30	26/26	26/26	26/26	26/26	15
	Minimum Overcurrent Protection Device Size	45/45	45/45	35/35	35/35	30/30	30/30	35/35	35/35	20
	Maximum Overcurrent Protection Device Size	50/50	50/50	45/45	45/45	40/40	40/40	40/40	40/40	20
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460
	Phase	1	1	3	3	3	3	3	3	3
	HP	4	4	5	5	5	5	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	21.8/21.8	21.8/21.8	16/16	16/16	16/16	16/16	16/16	16/16	7.8
	Amps (LRA)	117/117	117/117	110/110	110/110	110/110	110/110	110/110	110/110	52
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	1
	Amps (LRA)	3	3	4.9	4.9	4.9	4.9	4.9	4.9	1.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	460
	Phase	1	1	1	1	3	3	3	3	1
	HP	3/4	3/4	1	1	3/4	3/4	1	1	1
	Amps (FLA)	6	6	7.6	7.6	3.4	3.4	3.8	3.8	4.0
	Amps (LRA)	0	0	0	0	16.8	16.8	24	24	0

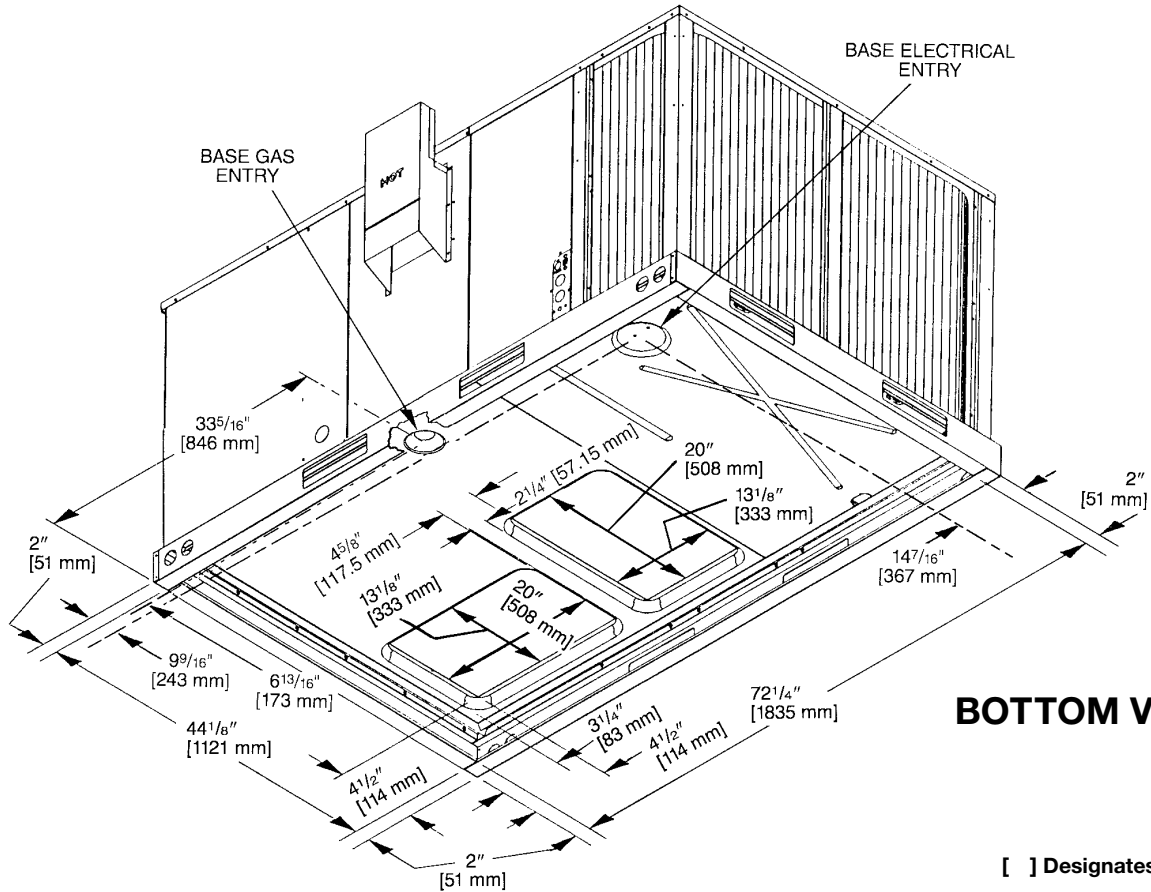
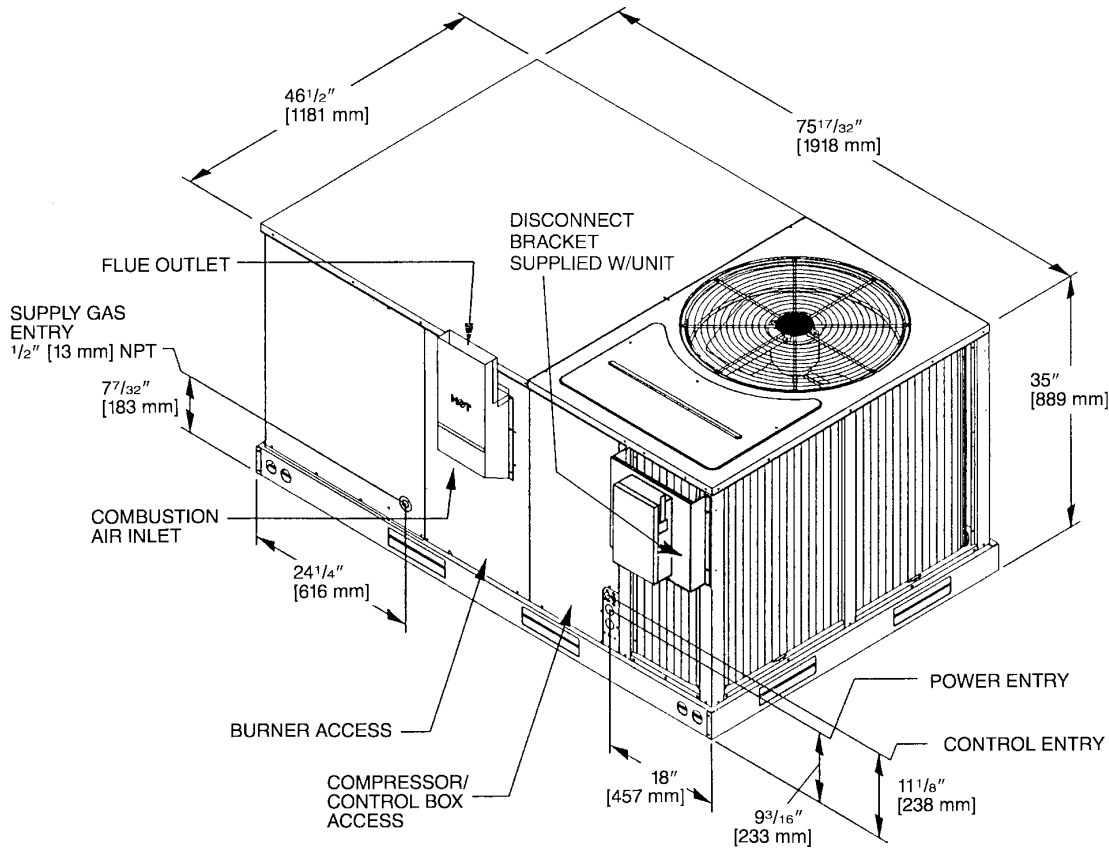
1. Horsepower Per Compressor.

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

ELECTRICAL DATA – RKPL SERIES										
		-A060DK13E	-A060DL10E	-A060DL13E	-A060DM10E	-A060DM13E	-A060JK10E	-A060JK10X	-A060JK13E	-A060JK13X
Unit Information	Unit Operating Voltage Range	414-506	414-506	414-506	414-506	414-506	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	15	13	13	13	13	43/43	43/43	43/43	43/43
	Minimum Overcurrent Protection Device Size	20	15	15	15	15	50/50	50/50	50/50	50/50
	Maximum Overcurrent Protection Device Size	20	20	20	20	20	60/60	60/60	60/60	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	3	3	3	3	3	1	1	1	1
	HP	5	5	5	5	5	5	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	7.8	7.8	7.8	7.8	7.8	26.4/26.4	26.4/26.4	26.4/26.4	26.4/26.4
	Amps (LRA)	52	52	52	52	52	134/134	134/134	134/134	134/134
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1	1	1	1	1	2.2	2.2	2.2	2.2
	Amps (LRA)	1.9	1.9	1.9	1.9	1.9	4.9	4.9	4.9	4.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	460	460	460	460	460	208/230	208/230	208/230	208/230
	Phase	1	3	3	3	3	1	1	1	1
	HP	1	3/4	3/4	1	1	1	1	1	1
	Amps (FLA)	4.0	1.6	1.6	1.9	1.9	7.6	7.6	7.6	7.6
	Amps (LRA)	0	8.4	8.4	12	12	0	0	0	0

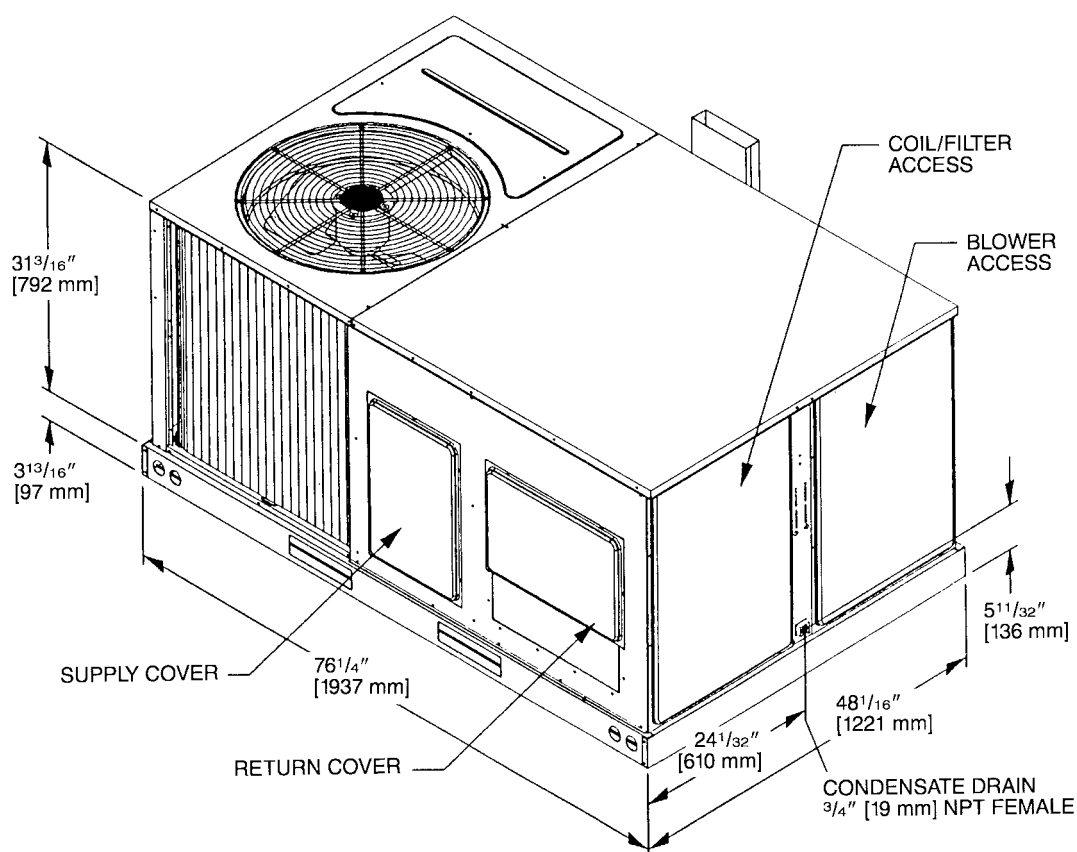
1. Horsepower Per Compressor.

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

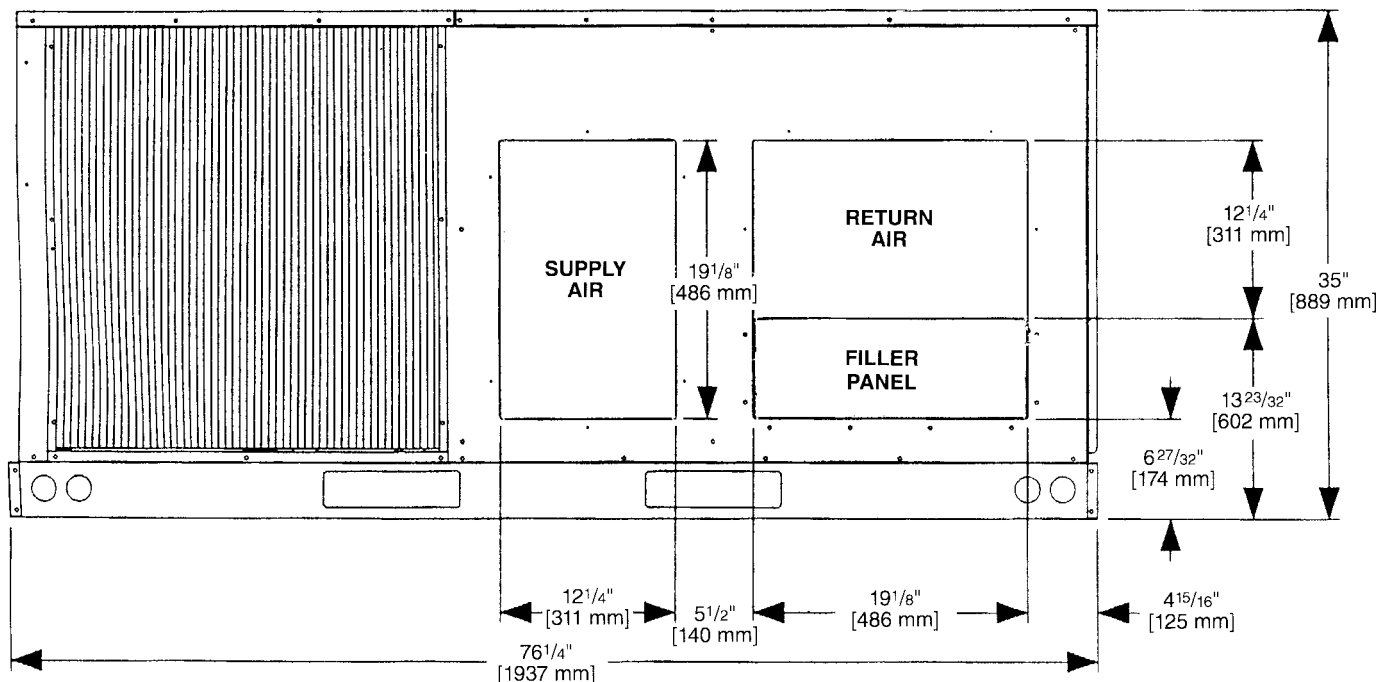


BOTTOM VIEW

[] Designates Metric Conversions



SUPPLY AND RETURN DIMENSIONS



[] Designates Metric Conversions

WEIGHTS

Accessory	3-5 Ton [10.6-17.6 kW]	
	Shipping	Operating
	lbs [kg]	lbs [kg]
Economizer with Single Enthalapy	70 [32]	60 [27]
Power Exhaust	70 [32]	67 [30]
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%

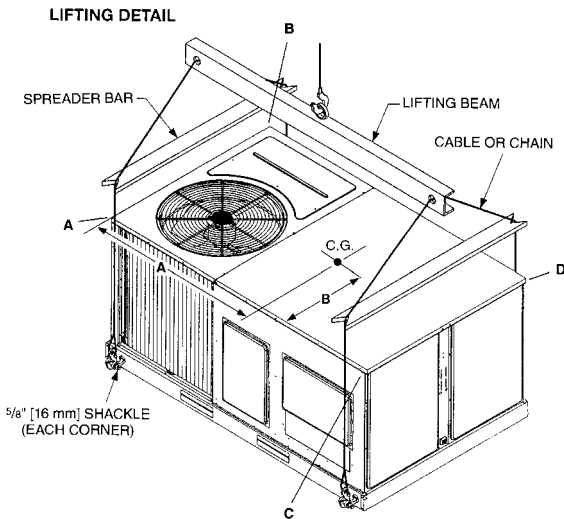
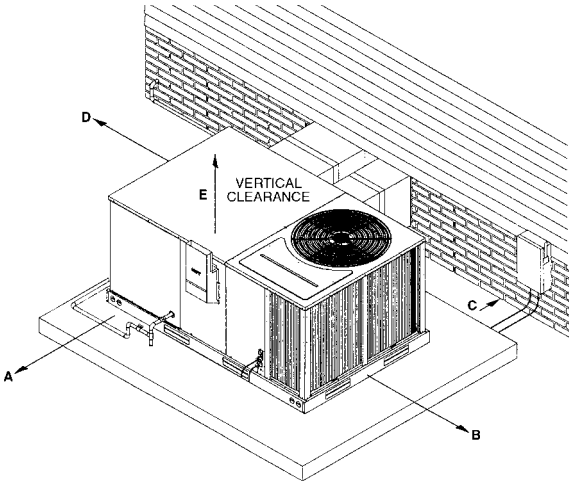
CLEARANCES
(3 to 5 Ton [10.6 to 17.6 kW] Models)

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.



[] Designates Metric Conversions

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]
Thermostats	RKNL/RKPL-	See Thermostat Specification Sheet (T22-001)	No
Roofcurb 14"	RKNL/RKPL-	RXKG-CAD14	No
Roofcurb 24"	RKNL/RKPL-	RXKG-CAD24	No
Roofcurb Adapters	RKNL/RKPL-	RXR-BCDB21 RXR-BCDB22 RXR-BCDB23	No
Economizer with Single Enthalpy ②	RKNL/RKPL-	AXRD-MECM3	Yes
Dual Enthalpy Kit	RKNL/RKPL-	RXR-AV02	No
CO ₂ Sensor Only	RKNL/RKPL-	RXR-AR02	No
Power Exhaust	RKNL/RKPL-	AXR-BGF04C, D, Y	No
Fresh Air Damper Manual	RKNL/RKPL-	AXRF-FBA1	No
Fresh Air Damper Motorized	RKNL/RKPL-	AXRF-FBB1	No
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	RKNL/RKPL-	RXMC-CB03	No
Rectangular to Round 20" Duct Adapters for Concentric Diffuser	RKNL/RKPL-	RXMC-CB04	No
Concentric Diffuser 18" Step	RKNL/RKPL-	RXRN-FA60, RXRN-FA65	No
Concentric Diffuser 18" Flush	RKNL/RKPL-	RXRN-FA70, RXRN-FA75	No
Rectangular to Round 16" Side	RKNL/RKPL-	RXMC-BB01	No
Louver Kit (3 Sides)	All RKNL/RKPL- Models	AXR-AAD01B	Yes
Time Delay	RKNL/RKPL-	RXMD-B01	Yes
Low Ambient Control to 0°F [-18°C]	RKNL/RKPL-	RXRZ-B01	Yes
LP Conversion Kits for use with White Rodgers Gas Valve ①	RKNL/RKPL-	RXGJ-EP84W	No
LP Conversion Kits for use with Honeywell Gas Valve ①	RKNL/RKPL-	RXGJ-EP85H	No
Canadian High Altitude Kit (for Natural Gas Only) ①	RKNL/RKPL-	RXR-AH01	No
Freeze Stat	RKNL/RKPL-	RXR-AM04	Yes

*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

THERMOSTATS



200-Series *
Programmable



300-Series *
Deluxe
Programmable



400-Series *
Special Applications/
Programmable



500-Series *
Communicating/
Programmable

Brand	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
UHC	- TST	213	UN	MS
UHC=Ruud	TST=Thermostat	200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Electric UN=Universal (AC/HP/GE) MD=Modulating Furnace DF=Dual Fuel CM=Communicating	SS=Single-Stage MS=Multi-Stage

* Photos are representative. Actual models may vary.

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

Roofcurb Adapters

Old Models

MEDIUM CABINET (3 TON [11 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF, (-)RGG
(-)PNC, (-)PND

LARGE CABINET
(3-3½ TON [11-12 kW])

(-)RGE, (-)RGF, (-)RGG,
(-)RGH (3 TON [11 kW])

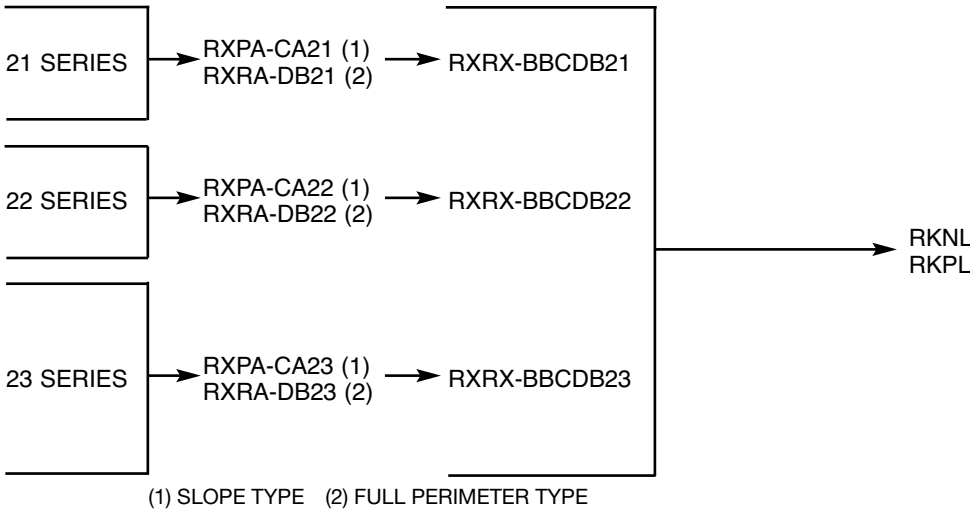
EXTRA LARGE CABINET
(3½-5 TON [12-18 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF,
(-)RGG (4-5 TON [14-18 kW])
(-)PNC, (-)PND, (-)RGH
(3½, 4 TON [12-14 kW])

OLD CURB MODEL

ROOFCURB ADAPTER

NEW MODE



ROOFCURBS (Full Perimeter)

- Ruud'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] Nailers provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

Roofcurb Model	Height of Curb
RXKG-CAD14	14" [356 mm]
RXKG-CAD24	24" [610 mm]

[] Designates Metric Conversions

TYPICAL INSTALLATION

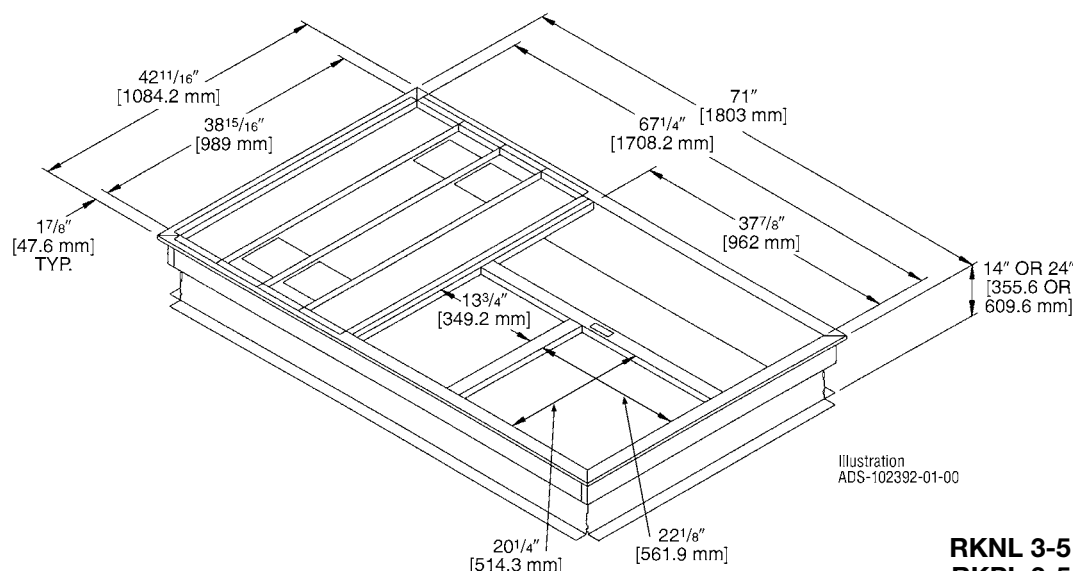
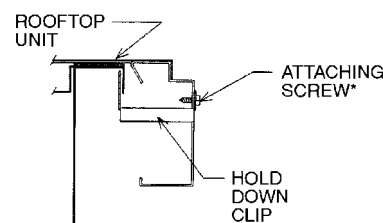
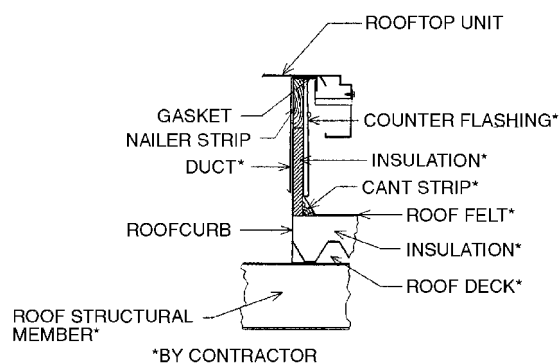
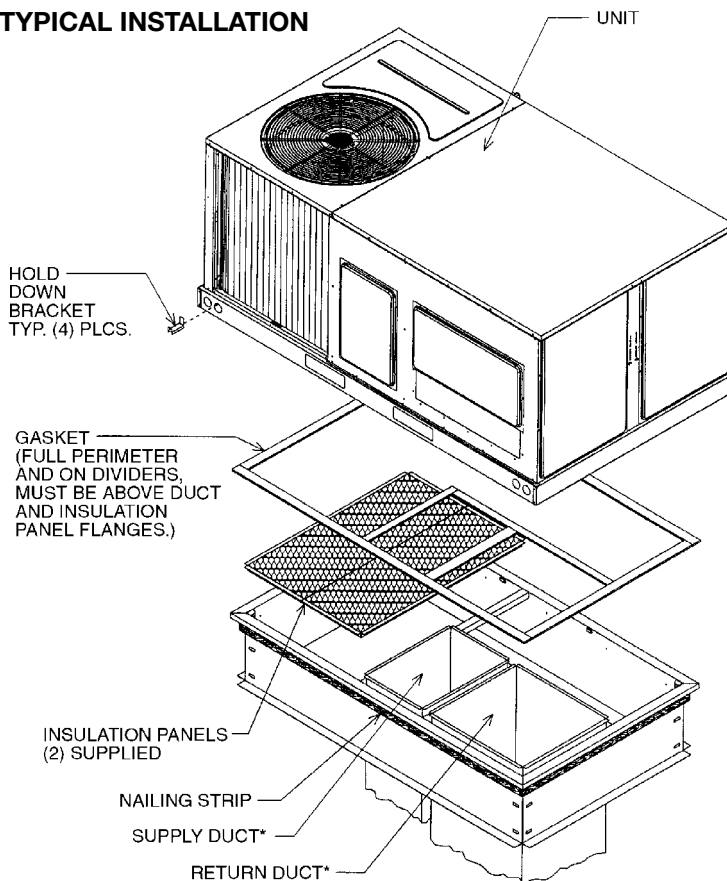


Illustration
ADS-102392-01-00

**ROOFCURB FOR
RKNL 3-5 TON [10.6-17.6 kW] MODELS
RKPL 3-5 TON [10.6-17.6 kW] MODELS**

ECONOMIZERS

AXRD-MECM3—RKNL 3-5 Ton [10.6-17.6 kW] Models
RKPL 3-5 Ton [10.6-17.6 kW] Models

RXR-AR02—3-5 Ton [10.6-17.6 kW] Models

RXR-AR02—3-5 Ton [10.6-17.6 kW] Models

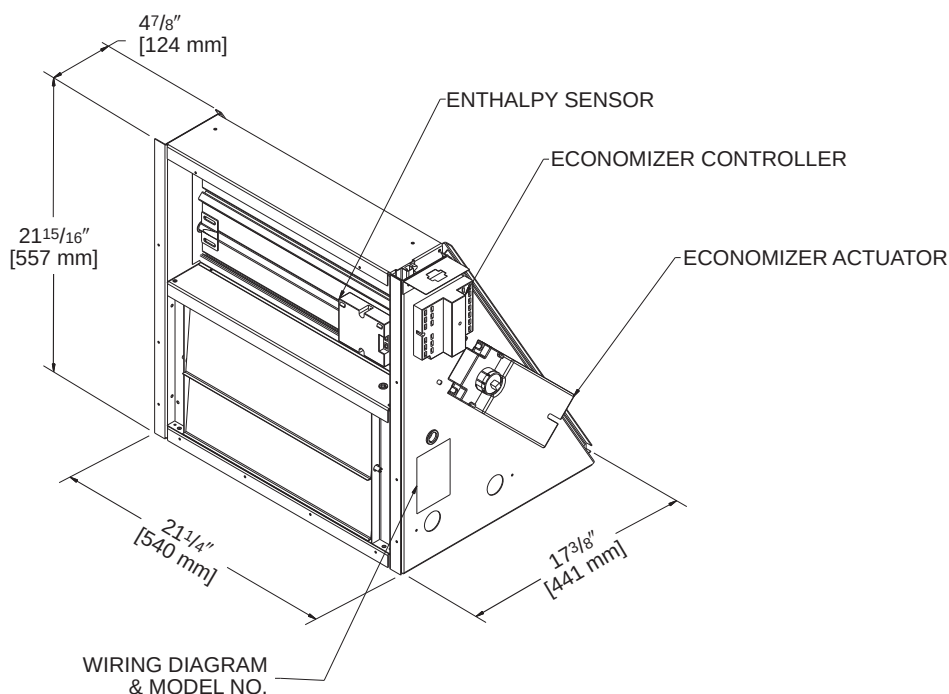
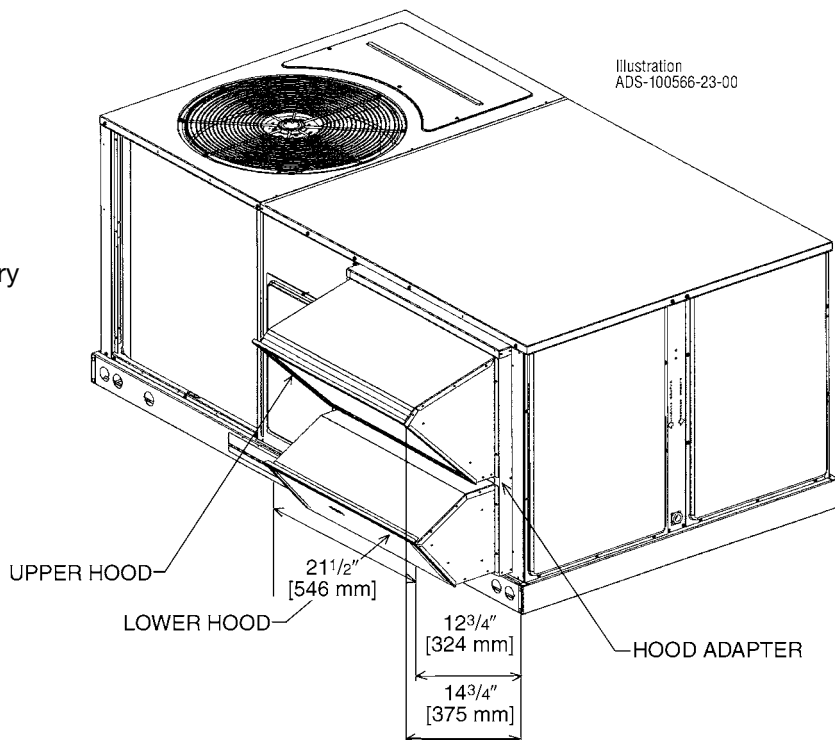
Single Enthalpy (with Barometric Relief)

Dual Enthalpy Kit

Optional CO₂ 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
- CO₂ 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



RKNL 3-5 Ton [10.6-17.6 kW] Models
RKPL 3-5 Ton [10.6-17.6 kW] Models

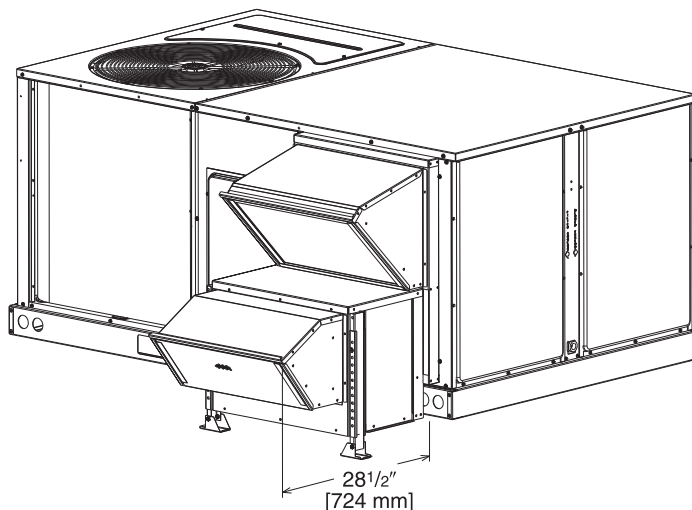
INTEGRAL POWER EXHAUST FOR ECONOMIZER (FIELD INSTALLED ONLY)

AXRX-BGF04C—RKNL-/RKPL- 3-5 Ton [10.6-17.6 kW] Models
208/230 V, 1PH and 3PH, 60 Hz

AXRX-BGF04D—RKNL 3-5 Ton [10.6-17.6 kW] Models & RKPL 3-5 Ton [10.6-17.6 kW] Models
460 V, 3PH, 60 Hz

AXRX-BGF04Y—RKNL 3-5 Ton [10.6-17.6 kW] Models & RKPL 3-5 Ton [10.6-17.6 kW] Models
575V, 3PH, 60 Hz

- For **Honeywell** economizer.
- Downflow or horizontal applications.
- Requires separate 208-230 volt – 1 PH power supply with disconnect or requires separate 460V - 1 PH power supply with disconnect.
- Adjustable switch on economizer, factory preset to energize power exhaust at 95% outside air position.
- Polarized plug connects power exhaust relay to economizer.



POWER EXHAUST KIT FOR RXRD-MECM(-) ECONOMIZERS

Model No.	No. of Fans	Volts	Phase	Watts (ea.)	High Speed		FLA (ea.)	LRA (ea.)
					CFM ①	RPM		
AXRX-BGF04C	1	208-230	1	1000	2500	1725	4.4	23.7
AXRX-BGF04D	1	460	1	800	2370	1620	1.8	4.1
AXRX-BGF04Y	1	575	1	800	2370	1620	1.5	3.3

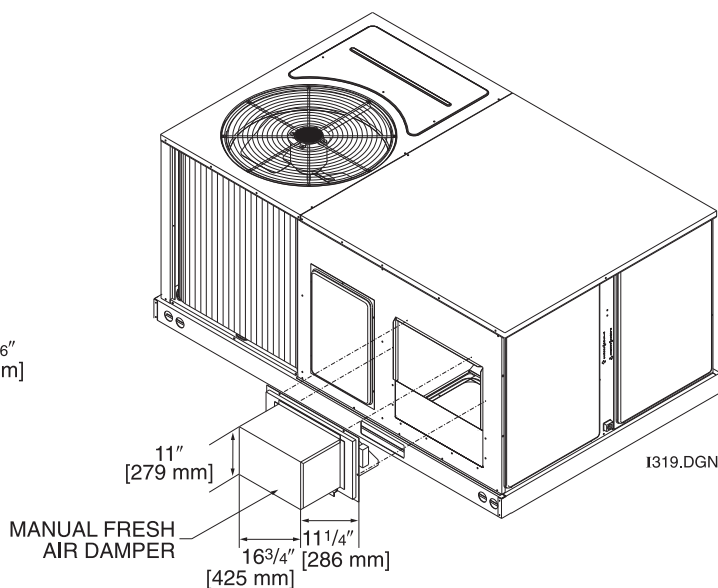
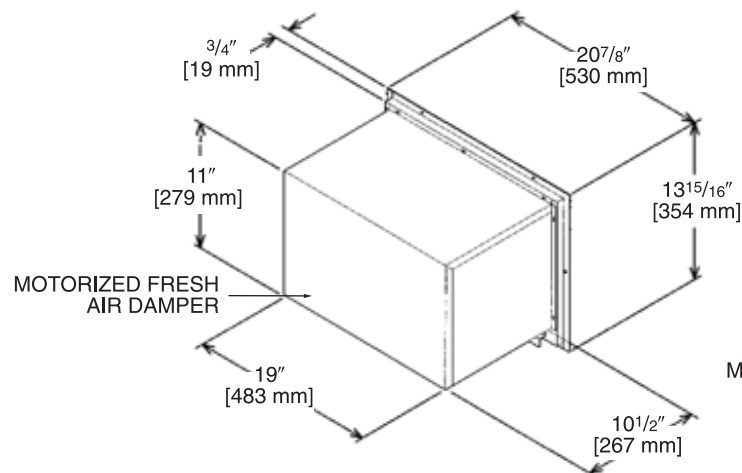
① CFM is at 0" W.C. external static pressure.

FRESH AIR DAMPER

RKNL 3-5 Ton [10.6-17.6 kW] Models
RKPL 3-5 Ton [10.6-17.6 kW] Models

AXRF-FBA1 (Manual)

AXRF-FBB1 (Motorized)



[] Designates Metric Conversions

DUCT ADAPTERS (RKNL 3-5 Ton [10.6-17.6 kW] Models) (RKPL 3-5 Ton [10.6-17.6 kW] Models) Rectangular to Round Transitions (Downflow)

RXMC-CB03 sizes available

18" [457 mm] fit all units.

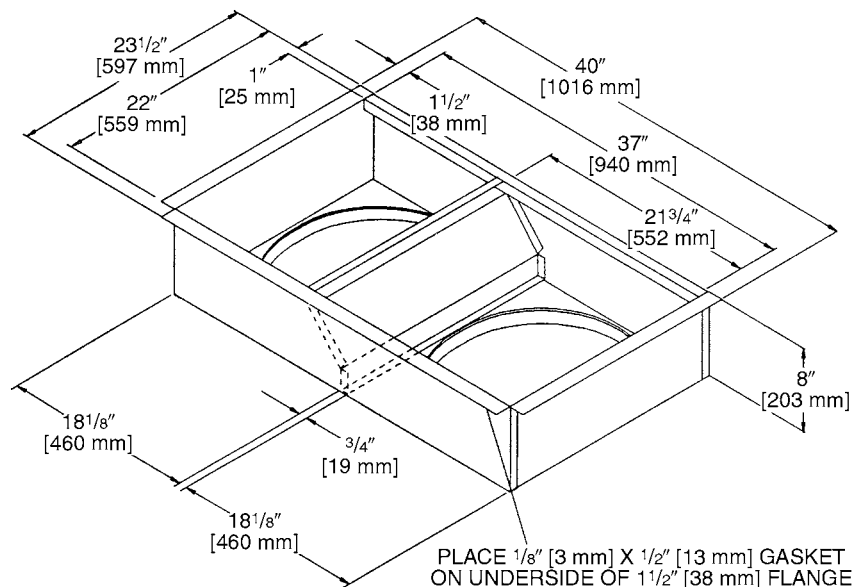
Drops into and secures to

RXKG- Series Roofcurbs.

For use with

Concentric Diffusers.

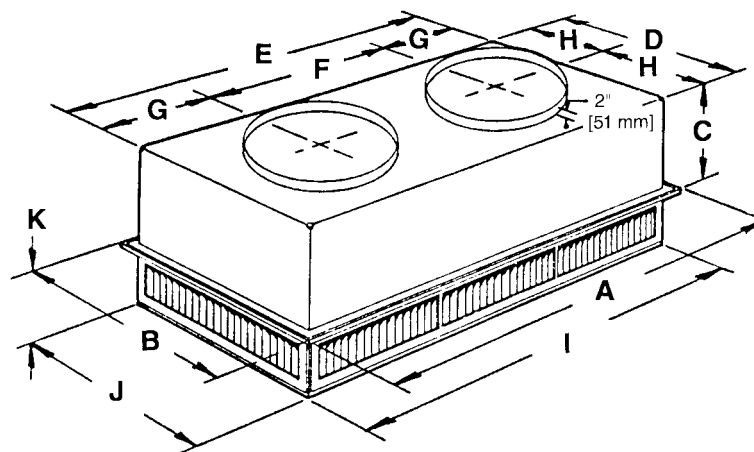
[] Designates Metric Conversions



SIDE DISCHARGE CONCENTRIC DIFFUSER

RXRN-FA60 (3 to 6 Ton [10.6 to 21.1 kW] Models)
RXRN-FA65 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	I	J	K	Duct Size
RXRN-FA60	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	11 ³ / ₈ " [289 mm]	21 ¹ / ₂ " [546 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	10 ³ / ₄ " [273 mm]	45 ¹ / ₂ " [1156 mm]	21 ¹ / ₂ " [546 mm]	7 ¹ / ₈ " [181 mm]	18RD
RXRN-FA65	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	14 ³ / ₈ " [365 mm]	27 ¹ / ₂ " [699 mm]	45 ¹ / ₂ " [1156 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₂ " [292 mm]	13 ³ / ₄ " [349 mm]	45 ¹ / ₂ " [1156 mm]	27 ¹ / ₂ " [699 mm]	8 ¹ / ₈ " [206 mm]	20RD

ENGINEERING DATA

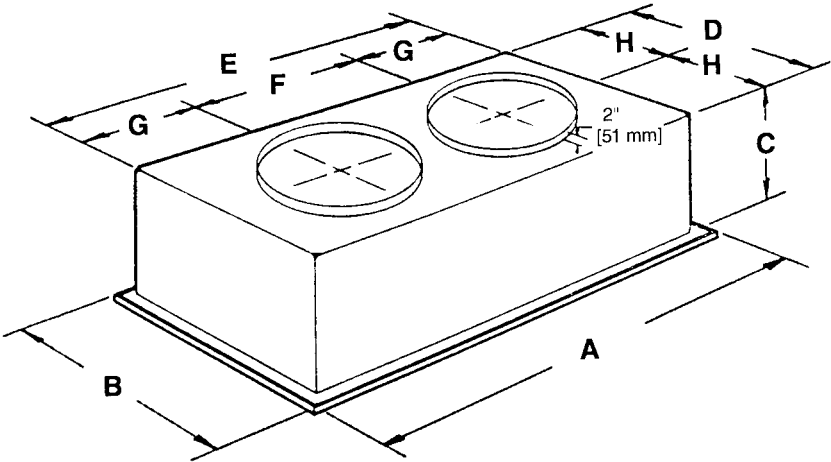
Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA60	1000 [472]	.14	10-17	351	351	20
	1200 [566]	.17	11-18	421	421	20
	1400 [661]	.20	12-19	491	491	20
	1600 [755]	.24	12-20	561	561	20
	1800 [850]	.30	13-21	632	632	20
	2000 [944]	.36	14-23	702	702	20
	2200 [1038]	.40	16-25	772	772	20
RXRN-FA65	2600 [1227]	.17	24-29	669	669	20
	2800 [1321]	.20	25-30	720	720	25
	3000 [1416]	.25	27-33	772	772	25
	3200 [1510]	.31	28-35	623	623	25
	3400 [1605]	.37	30-37	874	874	30

[] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (3 to 6 Ton [10.6 to 21.1 kW] Models)
RXRN-FA75 (3 to 7.5 Ton [10.6 to 26.4 kW] Models)

For Use With Duct Adapter (RXMC)



DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	Duct Size
RXRN-FA70	47 ⁵ / ₈ " [1210 mm]	23 ⁵ / ₈ " [600 mm]	13 ¹ / ₂ " [343 mm]	21" [533 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	10 ¹ / ₂ " [267 mm]	18RD
RXRN-FA75	47 ⁵ / ₈ " [1210 mm]	29 ⁵ / ₈ " [752 mm]	16 ⁵ / ₈ " [442 mm]	27" [666 mm]	45" [1143 mm]	22 ¹ / ₂ " [572 mm]	11 ¹ / ₄ " [286 mm]	13 ¹ / ₂ " [343 mm]	20RD

ENGINEERING DATA

Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA70	1000 [472]	.14	15-20	391	694	20
	1200 [566]	.17	16-22	469	833	25
	1400 [661]	.20	17-24	547	972	30
	1600 [755]	.24	18-25	625	1111	30
	1800 [850]	.30	20-28	703	1250	35
	2000 [944]	.36	21-29	781	1389	40
	2200 [1038]	.40	22-30	859	1528	40
RXRN-FA75	2600 [1227]	.17	19-24	663	1294	30
	2800 [1321]	.20	20-28	714	1393	35
	3000 [1416]	.25	21-29	765	1492	35
	3200 [1510]	.31	22-29	616	1592	40
	3400 [1605]	.37	22-30	667	1692	40

[] Designates Metric Conversions

SAMPLE SPECIFICATIONS

Unit shall be completely factory assembled and performance tested to provide the required cooling and heating functions suitable for outdoor installations. Unit shall be UL/cUL listed and rated in accordance to AHRI Standard 210.

CABINET

Unit casing, base pan and framework shall be manufactured of galvanized sheet metal primed and finished with powder paint capable of withstanding a 1000-hour salt spray test per ASTM B 117. Unit interior cabinet surfaces shall be insulated with a minimum 1/2-inch thick foil faced insulation. Access panels shall be easily removable providing access to the blower, filter, heating compartment, and compressor/control box. Unit base rails shall be provided with fork insertion slots and rigging holes. Condensate drain pan shall be of sloped design to conform to ASHRAE 62. Unit shall be supplied ready for vertical airflow and be easily convertible to horizontal airflow at or before installation.

COMPRESSOR(S)

Unit shall be provided with fully hermetic scroll compressor(s) with internally protected safety controls.

COILS

The evaporator and condenser coils shall be fabricated of copper tubes with mechanically bonded aluminum plate fins. They shall be pressure tested prior to assembly into the unit, and electronically leak tested after assembly.

CONDENSER FAN

A single direct drive propeller fan shall discharge air vertically upward. The fan motor shall be permanently lubricated and have built-in overload protection.

EVAPORATOR BLOWER

A single, double inlet, centrifugal wheel shall rotate in permanently lubricated ball bearings. The wheel shall be made from steel with corrosion resistant finish and shall be statically and dynamically balanced.

HEATING SECTION

Heat exchanger shall be of the tubular type made of aluminized steel. Burners shall be of the in-shot type. Unit shall be equipped with an integrated direct spark ignition control board with built-in diagnostics feature. Safeties to include limit, lock-out, and flame roll-out switches.

ACCESSORIES

ROOF CURB

Curb shall be full perimeter type, complying with the standards of the National Roofing Contractors Association. Design shall provide for drop-in of supply and return ducts prior to setting unit, and include an insulating panel for the rest of the curb area.

ECONOMIZER

Economizer shall be completely assembled for field installation. Unit shall include all controls and dampers including the barometric relief damper. Shall be offered for both vertical and horizontal applications.

MANUAL FRESH AIR DAMPER

Damper shall consist of damper and rainhood which is manually preset to admit up to 35% of outside air for field installation.

MOTORIZED FRESH AIR DAMPER

Damper shall consist of motor, damper, and rainhood which can admit up to 35% of outside air for field installation.

PRESSURE CONTROLS

High and low pressure controls shall be included for field or factory installation.

LOW AMBIENT CONTROL

Low ambient control shall be provided to cycle the condenser fan in response to condensing pressure and allow operation to 0 degrees F. The option shall be field or factory installed.

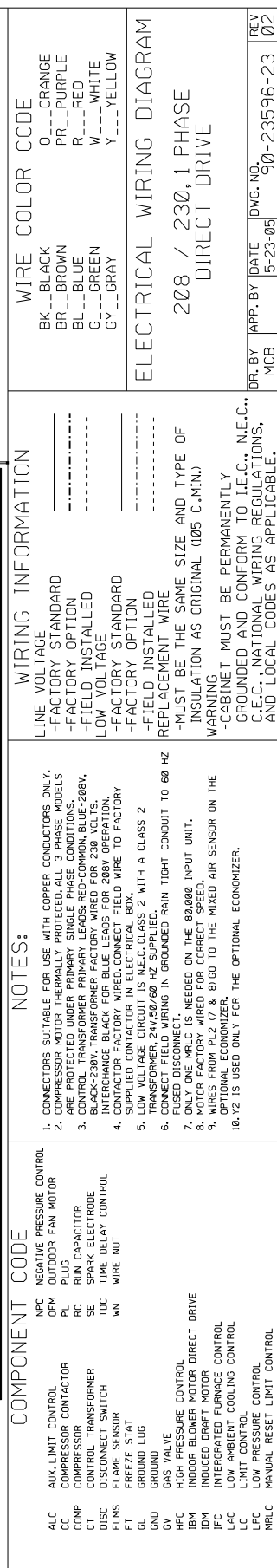
TIME DELAY CONTROL

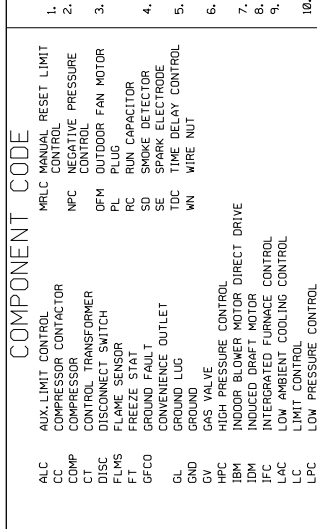
Time delay control shall be provided to prevent the compressor from restarting 5 minutes after shutdown. The control shall be field or factory installed.

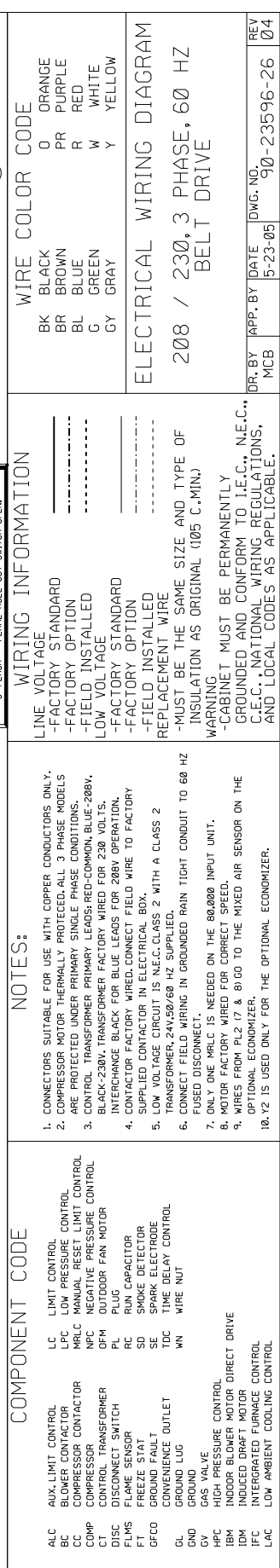
LOUVER PANEL KITS

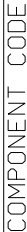
Field or factory installed louver kits shall be provided for condenser coil protection against hail or flying debris.

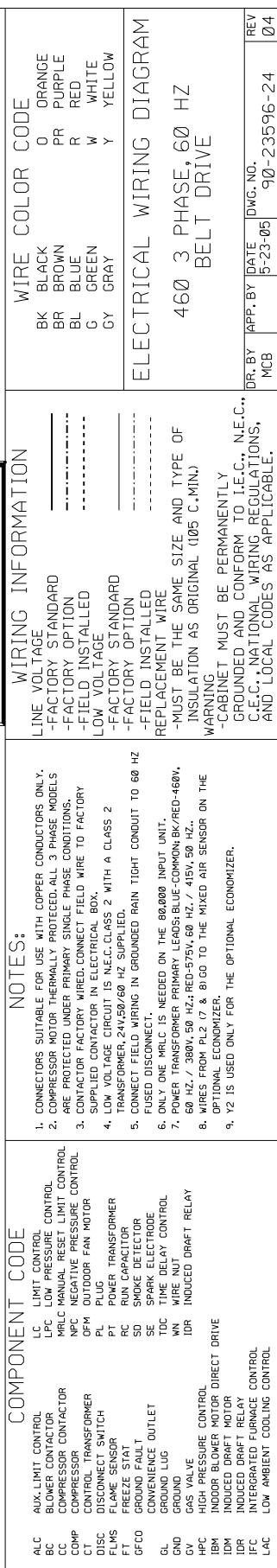












WIRE COLOR CODE	
BK	BLACK
BR	BROWN
BL	BLUE
G	GREEN
GY	GRAY
O	ORANGE
PR	PURPLE
R	RED
W	WHITE
Y	YELLOW

ELECTRICAL WIRING DIAGRAM	
4Ø 3 PHASE, 6Ø HZ BELT DRIVE	

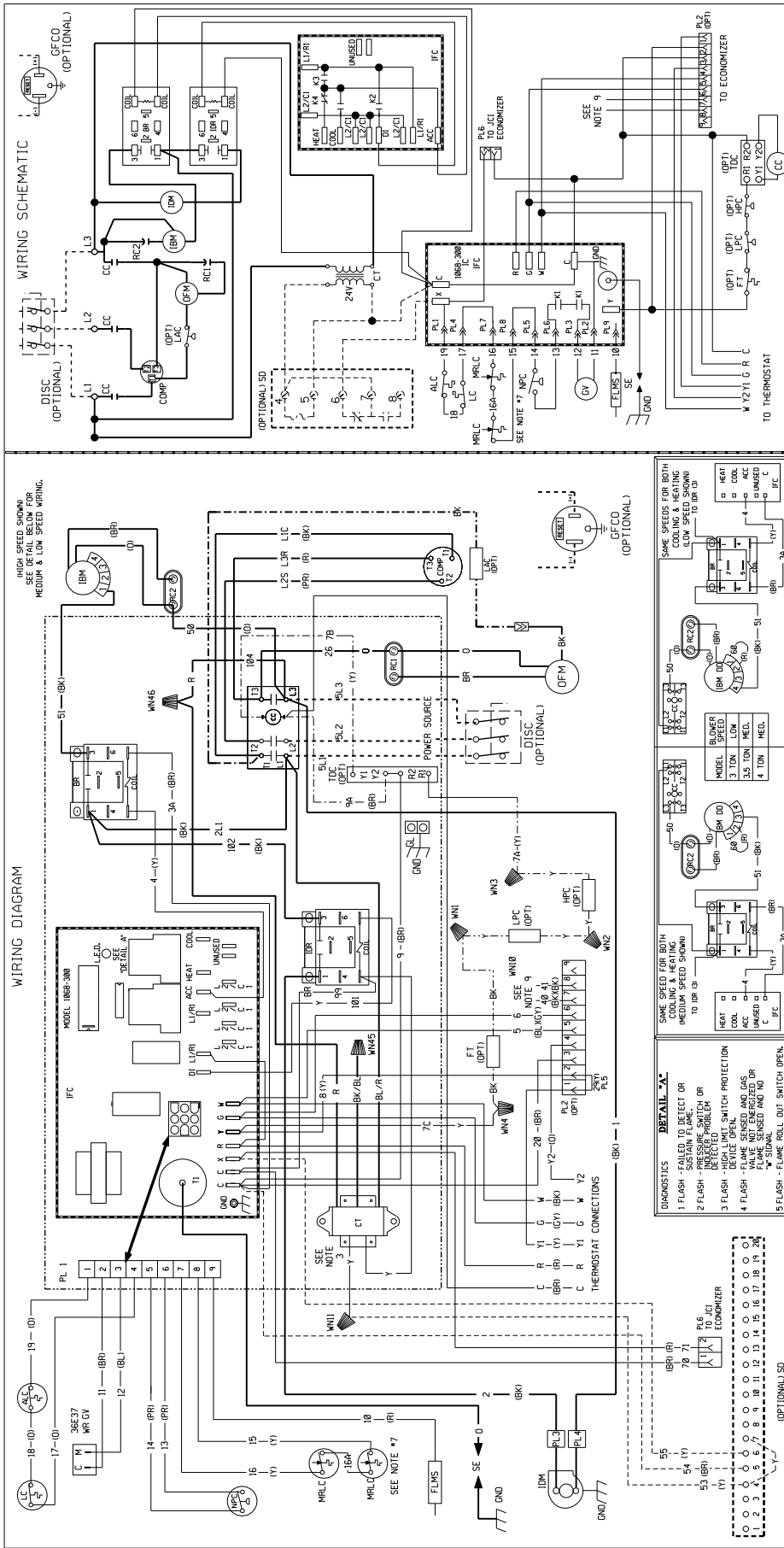
R. BY	APP. BY	DATE	DWG. NO.	REV
MCB		5-23-05	90-23596-24	Ø4

WIRING INFORMATION	
LINE VOLTAGE	_____
-FACTORY STANDARD	_____
-FACTORY OPTION	-----
-FIELD INSTALLED	-----
LOW VOLTAGE	_____
-FACTORY STANDARD	_____
-FACTORY OPTION	-----
-FIELD INSTALLED	-----
REPLACEMENT WIRE	_____
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.)	_____
WARNING	
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.	

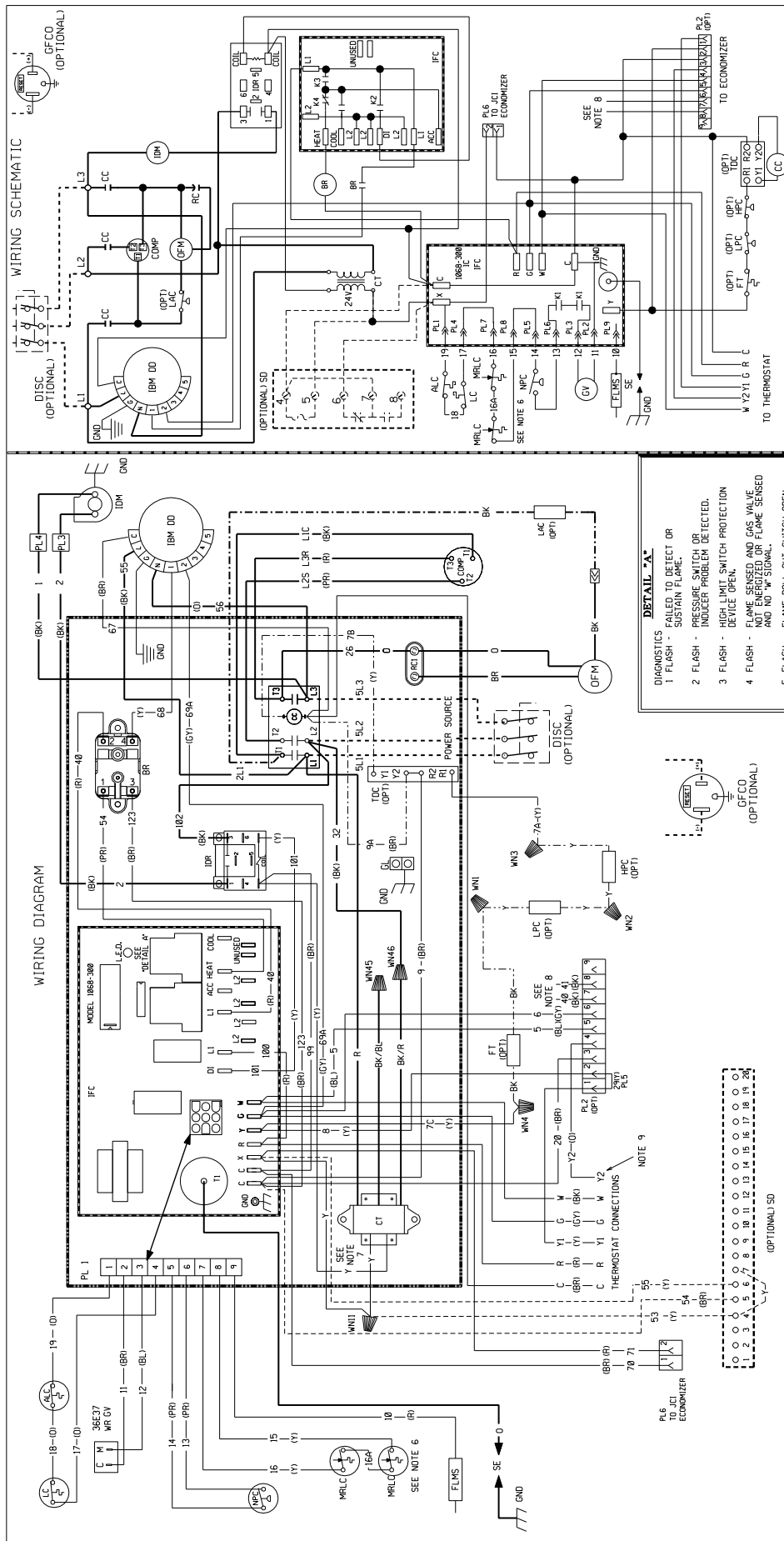
NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED, ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTACTOR FACTORY WIRED, CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
4. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V/500 W/ 60 HZ SUPPLIED.
5. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
6. ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
7. POWER TRANSFORMER PRIMARY LEADS: BLUE-COMMON BK/RED-60V, 50 HZ. / 380V, 50 HZ.; RED-575V, 60 HZ. / 415V, 50 HZ.
8. WIRES FROM PL2 (7 & 8) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
9. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

COMPONENT CODE	
ALC	AUX LIMIT CONTROL
BC	BLOWER CONTACTOR
CC	COMPRESSOR CONTACTOR
CCP	COMPRESSOR
CT	CONTROL TRANSFORMER
DISC	DISCONNECT SWITCH
FLMS	FLAME SENSOR
FT	FREEZE STAT
GC	GAS VALVE
GFCCO	CONVENIENCE OUTLET
GL	GROUND LUG
GND	GROUND
GV	GAS VALVE
HPC	HIGH PRESSURE CONTROL
IBM	INDOOR BLOWER MOTOR
IDM	INDUCED DRAFT MOTOR
IDR	INDUCED DRAFT RELAY
IFC	INDUCED FURNACE CONTROL
IAC	LOW AMBIENT COOLING CONTROL
LPC	LOW PRESSURE CONTROL
MRLC	MANUAL RESET LIMIT CONTROL
NPC	NEGATIVE PRESSURE CONTROL
OFM	OUTDOOR FAN MOTOR
PLUG	PLUG
PT	POWER TRANSFORMER
RD	RETRACTOR
SD	SMOKE DETECTOR
SE	SPARK ELECTRODE
TDC	TIME DELAY CONTROL
WIRE NUT	WIRE NUT
WDR	INDUCED DRAFT RELAY



WIRING INFORMATION LINE VOLTAGE -FACTORY STANDARD -FACTORY OPTION -FIELD INSTALLED LOW VOLTAGE -FACTORY STANDARD -FACTORY OPTION -FIELD INSTALLED REPLACEMENT WIRE -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.MIN.) WARNING -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.	WIRE COLOR CODE BK BLACK BR BROWN BL BLUE G GREEN GY GRAY O ORANGE PR PURPLE R RED W WHITE Y YELLOW	COMPONENT CODE AUX LIMIT CONTROL BLOWER CONTACTOR COMPRESSOR CT CONTROL TRANSFORMER DISC DISCONNECT SWITCH FLMS FLAME SENSOR FREEZE STAT GROUND FAULT GROUND LUG GROUND LUG HIGH PRESSURE CONTROL INDUCED DRAFT MOTOR INDUCED DRAFT RELAY INTERGRATED FURNACE CONTROL LAC LOW AMBIENT COOLING CONTROL	NOTES: 1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY. 2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS. 3. POWER TRANSFORMER PRIMARY LEADS BLUE-COMMON BK/RED-480V, 60 HZ / 380V, 50 HZ RED-575V, 60 HZ / 415V, 50 HZ. 4. SUPPLIED CONTACTOR IN ELECTRICAL BOX. 5. LOW VOLTAGE CIRCULATED 60 HZ SUPPLIED. 6. CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 HZ. 7. ONLY ONE MRLC IS NEEDED ON THE 98,000 INPUT UNIT. 8. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.	ELECTRICAL WIRING DIAGRAM 460, 3 PHASE, 60 HZ DIRECT DRIVE ROOFTOP
DR. BY MCB APP. BY DATE 5-23-05 DWG. NO. 90-23596-25 REV 04				



COMPONENT CODE		WIRE COLOR CODE	
ALC	AUX. LIMIT CONTROL	BK	BLACK
BC	BLOWER CONTACTOR	BR	BROWN
CC	COMPRESSOR	BL	BLUE
COMP	COMPRESSOR	G	GREEN
CT	CONTROL TRANSFORMER	GY	GRAY
DISC	DISCONNECT SWITCH	O	ORANGE
FLMS	FLAME SENSOR	PR	PURPLE
FT	FREEZE STAT	R	RED
GFCO	GROUND FAULT	W	WHITE
GL	GROUND LUG	Y	YELLOW
GRD	GROUND		
HPC	HIGH PRESSURE CONTROL		
IBM	INDUCER BLOWER MOTOR		
IDM	INDUCED DRAFT MOTOR		
IFC	INTERGRADED FURNACE CONTROL		
LAC	LOW AMBIENT COOLING CONTROL		

ELECTRICAL WIRING DIAGRAM			
460V X-DRIVE MOTOR DIRECT DRIVE BLOWER			
DR. BY	APP. BY	DATE	DWG. NO.
MGR		4-11-10	90-23596-37
REV			01

- NOTES:**
- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
 - COMPRESSOR MOTOR THERMALLY PROTECTED, ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
 - CONTACTOR FACTORY WIRED, CONNECT FIELD WIRE TO FACTORY SUPPLIED CONTACTOR IN ELECTRICAL BOX.
 - LOW VOLTAGE CIRCUIT IS NEC CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V/50/60 HZ SUPPLIED.
 - CONNECT FIELD WIRING IN GROUND RAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
 - ONLY ONE MRLC IS NEEDED ON THE 80,000 INPUT UNIT.
 - CONTROL TRANSFORMER PRIMARY LEADS BLUE-COMMON, BK-RED-460V, 50 HZ, 380V, 50 HZ, RED-575V, 60 HZ, / 415V, 50 HZ.
 - WIRES FROM PL 2 & 8 TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
 - Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.
- WIRING INFORMATION**
- LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C.M.N.)
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

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

GENERAL TERMS OF LIMITED WARRANTY*

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

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

Compressor	
3-Phase, Commercial Applications	Five (5) Years
Parts	
3-Phase, Commercial Applications	One (1) Year
Factory Standard Heat Exchanger	
3-Phase, Commercial Applications	Ten (10) Years
Stainless Steel Heat Exchanger	
3-Phase, Commercial Applications	Twenty (20) Years



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

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