



PACKAGE HEAT PUMP UNITS

FORM NO. EXP11-773

Featuring Industry Standard R-410A Refrigerant

R-410A

SJNL- HIGH EFFICIENCY SERIES
NOMINAL SIZES 5-6 TONS [17.6-21.1 kW]



***Unit shown with
optional louver
panels installed.**





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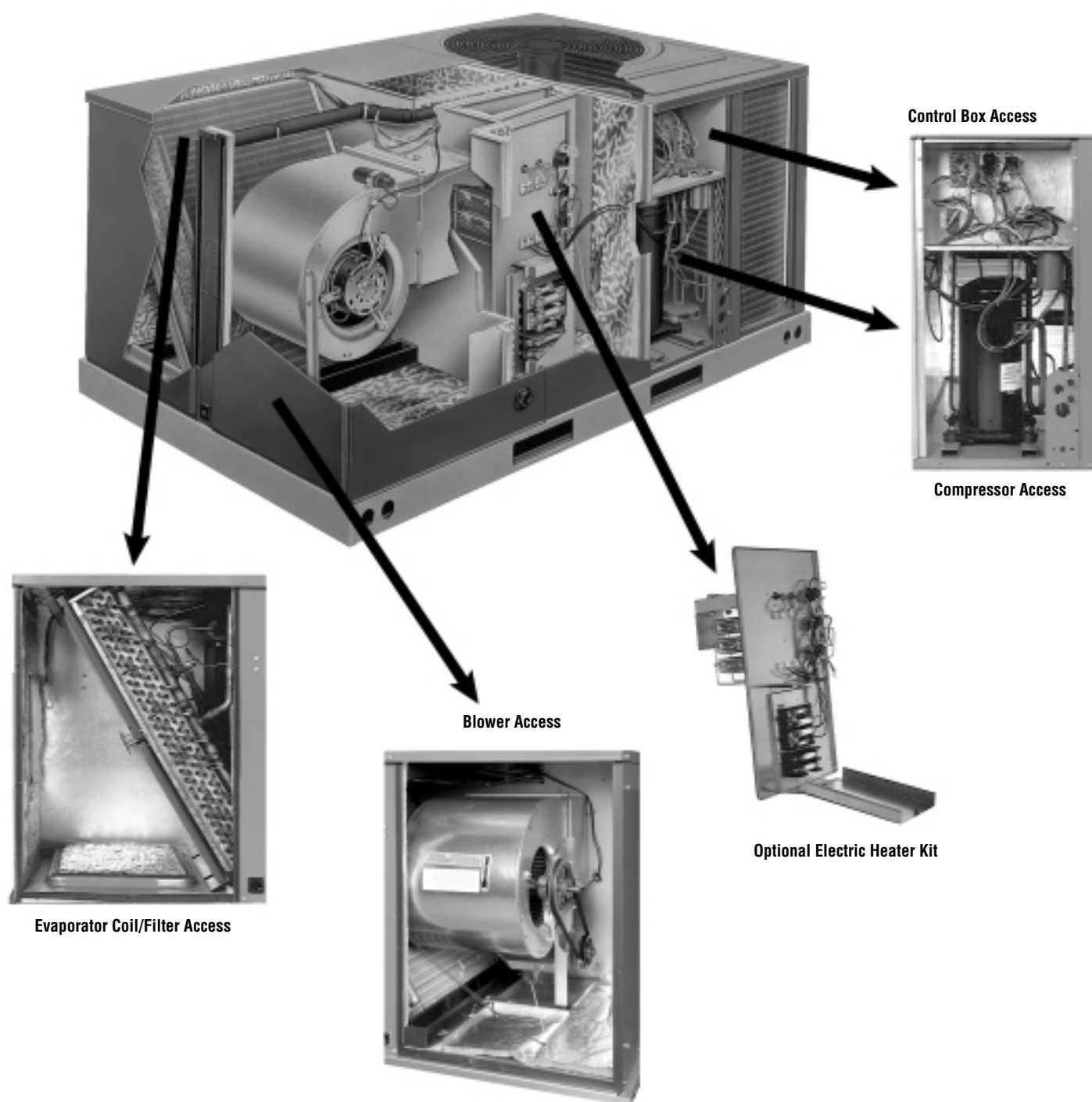
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These quality features are included in the Rheem Outdoor Package Heat Pumps



These quality features are included in the Rheem Package Heat Pump Unit



SJNL - A060, A072

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.
- High Pressure protection standard on all models. Low Pressure/Loss of charge protection standard on all models.
- Solid Core liquid line filter drier on each circuit.
- Single slab evaporator coil facilitate easy cleaning for maintained high efficiencies.
- Cooling operation up to 125 degree F ambient.
- Easy access to filter, blower, electric heat, and compressor/control compartments permits prompt service.
- Powder Paint Finish meets ASTM B117 steel coated on each side for maximum protection.
- 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 with barometric relief.
- Forkable base rails for easy handling and lifting.
- Single point electrical connection.
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system.
- Permanently lubricated evaporator and condenser motors.
- Condenser motors are internally protected, totally enclosed with shaft down design.
- 1 inch filter standard with slide out design.
- Colored and labeled wiring.
- Copper tube/Aluminum Fin coils.
- Molded compressor plug.
- Supplemental electric heat provides 100% efficient heating.



MODEL IDENTIFICATION—SJNL- SERIES



S	J	N	L	—	A	060	N	L	000	X	X	X
Tradebrand	Product Classification	Efficiency Designation	Design Series	Future Technical Variations	Nominal Cooling Capacity (BTUH) [kW]	Electrical Designation	Drive Package	Electric Heat	Factory Installed Options	Economizer Option		
S = Rheem Export	J = Package Heat Pump— Light Commercial	N = High Efficiency	(R-410A)		060 = 60,000 [17.58] 072 = 72,000 [21.10]	N = 380-415 V, 3 PH, 50 Hz P = 200-220 V, 3 PH, 50 Hz	L = Belt Drive M = Belt Drive	000 = No Resistance Heat 015 = 15 kW Resistance Heat 020 = 20 kW Resistance Heat 024 = 24 kW Resistance Heat	(See Next Page)	(See Next Page)		

[] Designates Metric Conversions

FACTORY INSTALLED OPTION CODES FOR SJNL- (5-6 Ton) [17.6-21.1 kW]

Option Code	Hail Guard	Non-Powered Convenience Outlet	Low Ambient/ Freeze Stat
AD	x		
AG		x	
AP			x
BY	x		x
BJ	x	x	
CX	x	x	x
JC		x	x

Example: SJNL-A060JK000XXX (where XX is factory installed option)

Example: No Options

SJNL-A060JK000

Example: No Options with Factory Installed Economizer

SJNL-A060JK000AAB

Example: Options with Hailguard with no Factory Installed Economizer

SJNL-A060JK000ADA

Example: Options same as above with Factory Installed Economizer

SJNL-A060JK000ADB

ECONOMIZER SELECTION FOR SJNL- (5-6 Ton) [17.6-21.1 kW]

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

“x” indicates factory installed option.

[] Designates Metric Conversions

**NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]**

Model SJNL- Series	A060NL	A060PL	A072NL
Cooling Performance¹			
Gross Cooling Capacity Btu [kW]	52,500 [15.38]	52,500 [15.38]	60,000 [17.58]
EER/SEER ²	11.8/14.05	11.8/14.05	11.2/NA
Rated CFM [L/s]	1600 [755]	1600 [755]	1650 [779]
Net Cooling Capacity Btu [kW]	50,500 [14.8]	50,500 [14.8]	58,000 [16.99]
Net Sensible Capacity Btu [kW]	37,650 [11.03]	37,650 [11.03]	40,600 [11.9]
Net Latent Capacity Btu [kW]	12,850 [3.77]	12,850 [3.77]	17,400 [5.1]
Net System Power kW	4.29	4.29	5.18
Heating Performance (Heat Pumps)			
High Temp. Btuh [kW] Rating	52,000 [15.24]	52,000 [15.24]	57,500 [16.85]
System Power KW/COP	4.1/3.72	4.1/3.72	4.79/3.52
Low Temp. Btuh [kW] Rating	30,800 [9.02]	30,800 [9.02]	36,200 [10.61]
System Power KW/COP	3.67/2.46	3.67/2.46	4.28/2.48
HSPF (Btu/Watts-hr)	7.70	7.70	7.70
Compressor			
No./Type	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³			
	83	83	83
Outdoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	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]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.16 [0.48]	5.16 [0.48]	6.5 [0.6]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type			
Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM [L/s]	3330 [1571]	3330 [1571]	3335 [1574]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	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]	1/11x11 [279x279]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Belt/Variable
No. Motors	1	1	1
Motor HP	1	1	1 1/2
Motor RPM	1437	1437	1725
Motor Frame Size	56	56	56
Filter—Type			
Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes
(No.) Size Recommended in. [mmxmmxmm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(4)1x16x16 [25x406x406]
Refrigerant Charge Oz. [g]			
	195 [5528]	195 [5528]	221 [6265]
Weights			
Net Weight lbs. [kg]	570 [259]	570 [259]	620 [281]
Ship Weight lbs. [kg]	585 [265]	585 [265]	635 [288]

See Page 8 for Notes.

[] Designates Metric Conversions



NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. Net capacity includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are tested 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 tested at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.



SYSTEMS PERFORMANCE—SJNL- SERIES

COOLING PERFORMANCE DATA—SJNL-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]			1920 [908]	1600 [755]	1280 [604]	1920 [908]	1600 [755]	1280 [604]	1920 [908]	1600 [755]	1280 [604]
DR ①			.02	.07	.15	.02	.07	.15	.02	.07	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	65.0 [19.0]	62.8 [18.4]	60.5 [17.7]	60.8 [17.8]	58.6 [17.2]	56.5 [16.6]	56.4 [16.5]	54.4 [15.9]	52.5 [15.4]
		Sens BTUH [kW]	42.5 [12.5]	36.7 [10.8]	31.2 [10.8]	48.7 [14.3]	42.3 [12.4]	36.4 [12.4]	53.0 [15.5]	46.5 [13.6]	40.4 [13.6]
		Power	3.1	3.1	3.0	3.1	3.0	3.0	3.1	3.0	3.0
	80 [26.7]	Total BTUH [kW]	63.7 [18.7]	61.5 [18.0]	59.2 [17.3]	59.4 [17.4]	57.3 [16.8]	55.2 [16.2]	55.1 [16.1]	53.1 [15.6]	51.2 [15.0]
		Sens BTUH [kW]	42.0 [12.3]	36.2 [10.6]	30.7 [10.6]	48.0 [14.1]	41.8 [12.2]	36.0 [12.2]	52.5 [15.4]	46.0 [13.5]	40.0 [13.5]
		Power	3.3	3.2	3.2	3.3	3.2	3.1	3.2	3.2	3.1
	85 [29.4]	Total BTUH [kW]	62.2 [18.2]	60.0 [17.6]	57.8 [16.9]	57.9 [17.0]	55.8 [16.3]	53.8 [15.8]	53.5 [15.7]	51.6 [15.1]	49.8 [14.6]
		Sens BTUH [kW]	41.2 [12.1]	35.5 [10.4]	30.2 [10.4]	47.3 [13.9]	41.2 [12.1]	35.5 [12.1]	51.6 [15.1]	45.3 [13.3]	39.4 [13.3]
		Power	3.5	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3
	90 [32.2]	Total BTUH [kW]	60.4 [17.7]	58.3 [17.1]	56.2 [16.5]	56.1 [16.4]	54.1 [15.9]	52.2 [15.3]	51.8 [15.2]	50.0 [14.6]	48.1 [14.1]
		Sens BTUH [kW]	40.2 [11.8]	34.7 [10.2]	29.6 [10.2]	46.2 [13.5]	40.3 [11.8]	34.8 [11.8]	50.7 [14.9]	44.6 [13.1]	38.7 [13.1]
		Power	3.7	3.6	3.5	3.6	3.6	3.5	3.6	3.6	3.5
95 [35]	Total BTUH [kW]	58.4 [17.1]	56.4 [16.5]	54.3 [15.9]	54.2 [15.9]	52.3 [15.3]	50.4 [14.8]	49.8 [14.6]	48.1 [14.1]	46.3 [13.6]	
	Sens BTUH [kW]	39.0 [11.4]	33.7 [9.9]	28.7 [9.9]	45.3 [13.3]	39.5 [11.6]	34.1 [11.6]	49.5 [14.5]	43.6 [12.8]	37.9 [12.8]	
	Power	3.9	3.8	3.7	3.8	3.8	3.7	3.8	3.8	3.7	
100 [37.8]	Total BTUH [kW]	56.3 [16.5]	54.3 [15.9]	52.3 [15.3]	52.0 [15.2]	50.2 [14.7]	48.3 [14.2]	47.6 [13.9]	46.0 [13.5]	44.3 [13.0]	
	Sens BTUH [kW]	37.8 [11.1]	32.6 [9.6]	27.7 [9.6]	43.8 [12.8]	38.3 [11.2]	33.0 [11.2]	47.6 [13.9]	42.5 [12.5]	37.0 [12.5]	
	Power	4.1	4.0	3.9	4.1	4.0	3.9	4.0	4.0	3.9	
105 [40.6]	Total BTUH [kW]	53.9 [15.8]	52.0 [15.2]	50.1 [14.7]	49.6 [14.5]	47.9 [14.0]	46.1 [13.5]	45.3 [13.3]	43.7 [12.8]	42.1 [12.3]	
	Sens BTUH [kW]	36.3 [10.6]	31.3 [9.2]	26.7 [9.2]	42.3 [12.4]	37.0 [10.8]	31.9 [10.8]	45.3 [13.3]	41.2 [12.1]	35.9 [12.1]	
	Power	4.3	4.2	4.2	4.3	4.2	4.1	4.3	4.2	4.1	
110 [43.3]	Total BTUH [kW]	51.3 [15.0]	49.5 [14.5]	47.7 [14.0]	47.0 [13.8]	45.4 [13.3]	43.7 [12.8]	42.7 [12.5]	41.2 [12.1]	39.7 [11.6]	
	Sens BTUH [kW]	34.5 [10.1]	29.8 [8.7]	25.4 [8.7]	40.7 [11.9]	35.6 [10.4]	30.7 [10.4]	42.7 [12.5]	39.7 [11.6]	34.6 [11.6]	
	Power	4.6	4.5	4.4	4.5	4.5	4.4	4.5	4.4	4.4	
115 [46.1]	Total BTUH [kW]	48.5 [14.2]	46.8 [13.7]	45.1 [13.2]	44.3 [13.0]	42.7 [12.5]	41.2 [12.1]	39.9 [11.7]	38.5 [11.3]	37.1 [10.9]	
	Sens BTUH [kW]	32.7 [9.6]	28.2 [8.3]	24.0 [8.3]	38.9 [11.4]	34.0 [10.0]	29.5 [10.0]	39.9 [11.7]	38.1 [11.2]	33.3 [10.9]	
	Power	4.8	4.7	4.7	4.8	4.7	4.6	4.8	4.7	4.6	
120 [48.9]	Total BTUH [kW]	45.6 [13.4]	44.0 [12.9]	42.4 [12.4]	41.3 [12.1]	39.8 [11.7]	38.4 [11.3]	36.9 [10.8]	35.6 [10.4]	34.3 [10.0]	
	Sens BTUH [kW]	30.8 [9.0]	26.6 [7.8]	22.7 [7.8]	36.8 [10.8]	32.2 [9.4]	27.9 [9.4]	36.9 [10.8]	35.6 [10.4]	31.8 [10.0]	
	Power	5.1	5.0	4.9	5.1	5.0	4.9	5.0	5.0	4.9	

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

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

NOTES:

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

HEATING PERFORMANCE DATA—SJNL-A060

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1920 [908]	1600 [755]	1280 [604]	1920 [908]	1600 [755]	1280 [604]	1920 [908]	1600 [755]	1280 [604]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	19.1 [5.6]	18.9 [5.5]	18.6 [5.4]	17.8 [5.2]	17.6 [5.2]	17.3 [5.1]	16.5 [4.8]	16.3 [4.8]	16.0 [4.7]
		Power	2.5	2.6	2.7	2.9	3.0	3.0	3.3	3.4	3.5
	5 [26.7]	Total BTUH [kW]	22.7 [6.7]	22.3 [6.5]	22.0 [6.4]	21.3 [6.2]	21.0 [6.2]	20.7 [6.1]	20.0 [5.9]	19.8 [5.8]	19.5 [5.7]
		Power	2.6	2.7	2.7	2.9	3.0	3.1	3.4	3.5	3.5
	10 [-12.2]	Total BTUH [kW]	26.2 [7.7]	25.8 [7.6]	25.5 [7.5]	24.9 [7.3]	24.5 [7.2]	24.2 [7.1]	23.6 [6.9]	23.2 [6.8]	22.9 [6.7]
		Power	2.7	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.6
	15 [32.2]	Total BTUH [kW]	29.7 [8.7]	29.3 [8.6]	28.9 [8.5]	28.4 [8.3]	28.0 [8.2]	27.6 [8.1]	27.1 [7.9]	26.7 [7.8]	26.3 [7.7]
		Power	2.7	2.8	2.9	3.1	3.2	3.2	3.5	3.6	3.7
	20 [-6.6]	Total BTUH [kW]	33.2 [9.7]	32.8 [9.6]	32.3 [9.5]	31.9 [9.3]	31.5 [9.2]	31.0 [9.1]	30.6 [9.0]	30.2 [8.8]	29.7 [8.7]
		Power	2.8	2.9	2.9	3.1	3.2	3.3	3.6	3.7	3.7
	25 [37.8]	Total BTUH [kW]	36.8 [10.8]	36.2 [10.6]	35.7 [10.5]	35.5 [10.4]	35.0 [10.3]	34.5 [10.1]	34.1 [10.0]	33.7 [9.9]	33.2 [9.7]
		Power	2.9	2.9	3.0	3.2	3.3	3.4	3.6	3.7	3.8
30 [-1.1]	Total BTUH [kW]	40.3 [11.8]	39.7 [11.6]	39.2 [11.5]	39.0 [11.4]	38.4 [11.3]	37.9 [11.1]	37.7 [11.0]	37.1 [10.9]	36.6 [10.7]	
	Power	2.9	3.0	3.1	3.3	3.4	3.4	3.7	3.8	3.9	
35 [43.3]	Total BTUH [kW]	43.8 [12.8]	43.2 [12.7]	42.6 [12.5]	42.5 [12.5]	41.9 [12.3]	41.3 [12.1]	41.2 [12.1]	40.6 [11.9]	40.0 [11.7]	
	Power	3.0	3.1	3.2	3.3	3.4	3.5	3.8	3.9	4.0	
40 [4.4]	Total BTUH [kW]	47.3 [13.9]	46.7 [13.7]	46.0 [13.5]	46.0 [13.5]	45.4 [13.3]	44.7 [13.1]	44.7 [13.1]	44.1 [12.9]	43.5 [12.7]	
	Power	3.1	3.1	3.2	3.4	3.5	3.6	3.8	3.9	4.0	
45 [46.1]	Total BTUH [kW]	50.9 [14.9]	50.2 [14.7]	49.4 [14.5]	49.6 [14.5]	48.9 [14.3]	48.2 [14.1]	48.2 [14.1]	47.6 [13.9]	46.9 [13.7]	
	Power	3.1	3.2	3.3	3.5	3.6	3.6	3.9	4.0	4.1	
50 [10]	Total BTUH [kW]	54.4 [15.9]	53.6 [15.7]	52.9 [15.5]	53.1 [15.6]	52.3 [15.3]	51.6 [15.1]	51.8 [15.2]	51.0 [14.9]	50.3 [14.7]	
	Power	3.2	3.3	3.4	3.5	3.6	3.7	4.0	4.1	4.2	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—SJNL-A072

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			1980 [935]	1650 [779]	1320 [623]	1980 [935]	1650 [779]	1320 [623]	1980 [935]	1650 [779]	1320 [623]
DR ①			.02	.07	.15	.02	.07	.15	.02	.07	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	74.4 [21.8]	71.8 [21.0]	69.1 [20.2]	68.9 [20.2]	66.5 [19.5]	64.1 [18.8]	66.2 [19.4]	63.8 [18.7]	61.5 [18.0]
		Sens BTUH [kW]	45.6 [13.4]	39.1 [11.5]	33.0 [11.5]	52.5 [15.4]	45.6 [13.4]	39.2 [13.4]	61.1 [17.9]	53.5 [15.7]	46.4 [15.7]
		Power	3.9	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7
	80 [26.7]	Total BTUH [kW]	72.5 [21.2]	69.9 [20.5]	67.4 [19.7]	67.0 [19.6]	64.7 [19.0]	62.3 [18.3]	64.3 [18.8]	62.0 [18.2]	59.8 [17.5]
		Sens BTUH [kW]	44.5 [13.0]	38.1 [11.2]	32.3 [11.2]	51.4 [15.1]	44.7 [13.1]	38.4 [13.1]	60.1 [17.6]	52.7 [15.4]	45.8 [15.4]
		Power	4.1	4.0	3.9	4.0	4.0	3.9	4.0	3.9	3.9
	85 [29.4]	Total BTUH [kW]	70.7 [20.7]	68.2 [20.0]	65.8 [19.3]	65.3 [19.1]	63.0 [18.5]	60.7 [17.8]	62.5 [18.3]	60.3 [17.7]	58.1 [17.0]
		Sens BTUH [kW]	43.5 [12.7]	37.3 [10.9]	31.6 [10.9]	50.5 [14.8]	43.9 [12.9]	37.7 [12.9]	59.1 [17.3]	51.9 [15.2]	45.1 [15.2]
		Power	4.3	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1
	90 [32.2]	Total BTUH [kW]	69.1 [20.2]	66.7 [19.5]	64.3 [18.8]	63.7 [18.7]	61.5 [18.0]	59.2 [17.3]	60.9 [17.8]	58.8 [17.2]	56.6 [16.6]
Sens BTUH [kW]		42.7 [12.5]	36.7 [10.8]	31.1 [10.8]	49.7 [14.6]	43.3 [12.7]	37.2 [12.7]	58.3 [17.1]	51.2 [15.0]	44.4 [15.0]	
Power		4.5	4.4	4.3	4.4	4.4	4.3	4.4	4.3	4.3	
95 [35]	Total BTUH [kW]	67.7 [19.8]	65.3 [19.1]	62.9 [18.4]	62.2 [18.2]	60.1 [17.6]	57.9 [17.0]	59.5 [17.4]	57.4 [16.8]	55.3 [16.2]	
	Sens BTUH [kW]	42.1 [12.3]	36.1 [10.6]	30.6 [10.6]	49.0 [14.4]	42.7 [12.5]	36.7 [12.5]	57.7 [16.9]	50.7 [14.9]	44.1 [14.9]	
	Power	4.7	4.6	4.5	4.7	4.6	4.5	4.6	4.5	4.5	
100 [37.8]	Total BTUH [kW]	66.3 [19.4]	64.0 [18.8]	61.7 [18.1]	60.9 [17.8]	58.8 [17.2]	56.6 [16.6]	58.1 [17.0]	56.1 [16.4]	54.1 [15.9]	
	Sens BTUH [kW]	41.4 [12.1]	35.6 [10.4]	30.2 [10.4]	48.4 [14.2]	42.2 [12.4]	36.3 [12.4]	57.0 [16.7]	50.1 [14.7]	43.6 [14.7]	
	Power	4.9	4.8	4.7	4.9	4.8	4.7	4.8	4.8	4.7	
105 [40.6]	Total BTUH [kW]	65.2 [19.1]	62.9 [18.4]	60.6 [17.8]	59.7 [17.5]	57.7 [16.9]	55.6 [16.3]	57.0 [16.7]	55.0 [16.1]	53.0 [15.5]	
	Sens BTUH [kW]	41.1 [12.0]	35.3 [10.3]	29.9 [10.3]	47.9 [14.0]	41.8 [12.2]	36.0 [12.2]	56.6 [16.6]	49.8 [14.6]	43.3 [14.6]	
	Power	5.1	5.1	5.0	5.1	5.0	4.9	5.1	5.0	4.9	
110 [43.3]	Total BTUH [kW]	64.1 [18.8]	61.9 [18.1]	59.6 [17.5]	58.7 [17.2]	56.7 [16.6]	54.6 [16.0]	55.9 [16.4]	54.0 [15.8]	52.0 [15.2]	
	Sens BTUH [kW]	40.7 [11.9]	35.0 [10.3]	29.6 [10.3]	47.6 [13.9]	41.5 [12.2]	35.7 [12.2]	55.9 [16.4]	49.5 [14.5]	43.1 [14.5]	
	Power	5.4	5.3	5.2	5.3	5.2	5.2	5.3	5.2	5.1	
115 [46.1]	Total BTUH [kW]	63.3 [18.5]	61.0 [17.9]	58.8 [17.2]	57.8 [16.9]	55.8 [16.3]	53.8 [15.8]	55.1 [16.1]	53.1 [15.6]	51.2 [15.0]	
	Sens BTUH [kW]	40.6 [11.9]	34.8 [10.2]	29.6 [10.2]	47.3 [13.9]	41.3 [12.1]	35.6 [12.1]	55.1 [16.1]	49.3 [14.4]	43.0 [14.4]	
	Power	5.6	5.5	5.4	5.6	5.5	5.4	5.5	5.4	5.4	
120 [48.9]	Total BTUH [kW]	62.5 [18.3]	60.3 [17.7]	58.1 [17.0]	57.1 [16.7]	55.1 [16.1]	53.1 [15.6]	54.3 [15.9]	52.4 [15.4]	50.5 [14.8]	
	Sens BTUH [kW]	40.3 [11.8]	34.7 [10.2]	29.5 [10.2]	47.3 [13.9]	41.3 [12.1]	35.6 [12.1]	54.3 [15.9]	49.2 [14.4]	42.9 [14.4]	
	Power	5.9	5.8	5.7	5.8	5.7	5.6	5.8	5.7	5.6	

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

HEATING PERFORMANCE DATA—SJNL-A072

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1980 [935]	1650 [779]	1320 [623]	1980 [935]	1650 [779]	1320 [623]	1980 [935]	1650 [779]	1320 [623]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	23.7 [6.9] 2.9	23.3 [6.8] 3.0	23.0 [6.7] 3.0	22.1 [6.5] 3.3	21.8 [6.4] 3.4	21.5 [6.3] 3.5	20.6 [6.0] 3.7	20.3 [5.9] 3.8	20.0 [5.9] 3.9
	5 [26.7]	Total BTUH [kW] Power	27.3 [8.0] 3.0	26.9 [7.9] 3.1	26.5 [7.8] 3.1	25.7 [7.5] 3.4	25.4 [7.4] 3.5	25.0 [7.3] 3.6	24.2 [7.1] 3.8	23.9 [7.0] 3.9	23.5 [6.9] 4.0
	10 [12.2]	Total BTUH [kW] Power	30.9 [9.1] 3.1	30.5 [8.9] 3.1	30.0 [8.8] 3.2	29.4 [8.6] 3.5	29.0 [8.5] 3.6	28.6 [8.4] 3.6	27.8 [8.1] 3.9	27.5 [8.1] 4.0	27.1 [7.9] 4.1
	15 [32.2]	Total BTUH [kW] Power	34.5 [10.1] 3.1	34.1 [10.0] 3.2	33.6 [9.8] 3.3	33.0 [9.7] 3.5	32.5 [9.5] 3.6	32.1 [9.4] 3.7	31.5 [9.2] 4.0	31.0 [9.1] 4.1	30.6 [9.0] 4.2
	20 [6.6]	Total BTUH [kW] Power	38.2 [11.2] 3.2	37.6 [11.0] 3.3	37.1 [10.9] 3.4	36.6 [10.7] 3.6	36.1 [10.6] 3.7	35.6 [10.4] 3.8	35.1 [10.3] 4.1	34.6 [10.1] 4.2	34.1 [10.0] 4.3
	25 [37.8]	Total BTUH [kW] Power	41.8 [12.2] 3.3	41.2 [12.1] 3.4	40.6 [11.9] 3.5	40.3 [11.8] 3.7	39.7 [11.6] 3.8	39.1 [11.5] 3.9	38.7 [11.3] 4.2	38.2 [11.2] 4.3	37.6 [11.0] 4.4
	30 [-1.1]	Total BTUH [kW] Power	45.4 [13.3] 3.4	44.8 [13.1] 3.5	44.2 [13.0] 3.6	43.9 [12.9] 3.8	43.3 [12.7] 3.9	42.7 [12.5] 4.0	42.4 [12.4] 4.2	41.8 [12.2] 4.4	41.2 [12.1] 4.5
	35 [43.3]	Total BTUH [kW] Power	49.1 [14.4] 3.5	48.4 [14.2] 3.6	47.7 [14.0] 3.7	47.5 [13.9] 3.9	46.9 [13.7] 4.0	46.2 [13.5] 4.1	46.0 [13.5] 4.3	45.3 [13.3] 4.4	44.7 [13.1] 4.5
	40 [4.4]	Total BTUH [kW] Power	52.7 [15.4] 3.6	51.9 [15.2] 3.7	51.2 [15.0] 3.7	51.2 [15.0] 4.0	50.4 [14.8] 4.1	49.7 [14.6] 4.2	49.6 [14.5] 4.4	48.9 [14.3] 4.5	48.2 [14.1] 4.6
	45 [46.1]	Total BTUH [kW] Power	56.3 [16.5] 3.7	55.5 [16.3] 3.7	54.7 [16.0] 3.8	54.8 [16.1] 4.0	54.0 [15.8] 4.2	53.2 [15.6] 4.3	53.3 [15.6] 4.5	52.5 [15.4] 4.6	51.8 [15.2] 4.7
	50 [10]	Total BTUH [kW] Power	59.9 [17.6] 3.7	59.1 [17.3] 3.8	58.3 [17.1] 3.9	58.4 [17.1] 4.1	57.6 [16.9] 4.2	56.8 [16.6] 4.3	56.9 [16.7] 4.6	56.1 [16.4] 4.7	55.3 [16.2] 4.8

IDB—Indoor air dry bulb

[] Designates Metric Conversions



AIRFLOW PERFORMANCE — 5 TON [17.6 kW]

Air Flow CFM [L/s]	Model SJNL-A060													
	Voltage 200-220, 380-415, 50Hz—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]			
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W
1400 [661]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1500 [708]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1600 [755]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1700 [802]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1800 [849]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1900 [897]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2000 [944]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2100 [991]	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Drive Package		L	
Motor H.P. [W]	1.5 [118.5]		
Blower Sheave	AK66		
Motor Sheave	1VP-50		
Turns Open	0	1	2
RPM	1170	1133	1087
		1041	995
		954	912

- NOTES: 1. Factory sheave settings are shown in bold type.
 2. Do not set motor sheave below minimum turns open shown.
 3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure
 4. Drive data shown is for horizontal airflow with dry coil. Add component resistance (below) to duct resistance to determine total External Static Pressure.

COMPONENT AIR RESISTANCE — 5 TON [17.6 kW]

CFM [L/s]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [849]	1900 [897]	2000 [944]	2100 [991]
	Resistance—Inches Water [kPa]							
Wet Coil	0.060 [0.015]	0.065 [0.016]	0.070 [0.017]	0.078 [0.019]	0.085 [0.021]	0.093 [0.023]	0.100 [0.025]	0.107 [0.027]
Downflow	0.066 [0.016]	0.069 [0.017]	0.072 [0.018]	0.076 [0.019]	0.080 [0.020]	0.083 [0.021]	0.086 [0.021]	0.089 [0.022]
Downflow Economizer RA Damper Open	0.066 [0.016]	0.069 [0.017]	0.072 [0.018]	0.076 [0.019]	0.080 [0.020]	0.083 [0.021]	0.086 [0.021]	0.092 [0.023]
Horizontal Economizer RA Damper Open	0.066 [0.016]	0.069 [0.017]	0.072 [0.018]	0.076 [0.019]	0.080 [0.020]	0.083 [0.021]	0.086 [0.021]	0.092 [0.023]
Concentric Grill RXRN-FA65 or RXRN-FA75 & Transition RXMC-CC04	0.02 [0.005]	0.03 [0.007]	0.04 [0.010]	0.05 [0.012]	0.06 [0.015]	0.07 [0.017]	0.08 [0.020]	0.09 [0.022]

AIRFLOW CORRECTION FACTORS — 5 TON [17.6 kW]

CFM [L/s]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [849]	1900 [897]	2000 [944]	2100 [991]
TOTAL MBH	0.97	0.98	0.98	0.99	1.00	1.00	1.00	1.10
SENSIBLE MBH	0.90	0.92	0.94	0.97	0.99	1.02	1.02	1.03
POWER kW	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.01

NOTE: Multiply correction factor times gross performance data — resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions



BELT-DRIVE AIRFLOW PERFORMANCE — 6 TON [21.1 kW]

Air Flow CFM [L/s]		External Static Pressure—Inches of Water [kPa]																											
		Models SJNL-A072																											
		Voltage 380/415, 50 Hz—3 Phase																											
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		
1300 [613]	—	—	—	—	—	—	738	359	787	381	836	406	883	435	930	466	977	500	1023	538	1068	578	1113	621	1157	668	—	—	
1400 [661]	—	—	—	—	—	708	355	757	377	804	403	851	431	897	463	943	498	988	535	1033	576	1077	619	1120	666	1163	716	—	
1500 [708]	—	—	—	—	—	730	378	776	404	822	433	888	465	913	499	957	537	1001	578	1044	622	1087	669	1129	719	1170	772	—	
1600 [755]	—	—	—	—	—	706	383	752	409	798	438	842	471	886	506	930	544	973	585	1015	630	1057	677	1098	727	1139	780	—	
1700 [802]	—	—	—	—	—	732	419	776	449	820	481	864	517	906	555	949	597	990	641	1031	689	1071	740	1111	793	1150	850	—	
1800 [849]	715	434	759	464	802	497	845	533	887	571	928	613	969	658	1009	706	1048	757	1087	810	1126	867	1163	927	—	—	—	—	
1900 [897]	745	484	787	517	829	553	870	592	911	634	951	679	990	727	1029	778	1067	833	1105	890	1142	950	—	—	—	—	—	—	
2000 [944]	777	541	818	578	858	617	898	659	937	705	975	753	1013	805	1051	859	1087	917	1124	977	1159	1040	—	—	—	—	—	—	

NOTE: L – drive left of bold line, M – drive right of bold line.

Drive Package	L		M	
	Motor H.P. [W]	AK66	1.5 [1118.5]	AK59
Blower Sheave	—	—	—	—
Motor Sheave	—	1VP-44	—	1VP-50
Turns Open	0	1	2	3
RPM	919	877	834	792
			749	707
			1151	1104
			1059	1014
			969	924

- NOTES: 1. Factory sheave settings are shown in bold type.
 2. Do not set motor sheave below minimum or maximum turns open shown.
 3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure
 4. Drive data shown is for horizontal airflow with dry coil. Add component resistance (below) to duct resistance to determine total External Static Pressure.

COMPONENT AIR RESISTANCE — 6 TON [21.1 kW]

CFM [L/s]	Resistance—Inches Water [kPa]									
	1300 [613]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [849]	1900 [897]	2000 [944]		
Wet Coil	0.03 [.01]	0.03 [.01]	0.03 [.01]	0.04 [.01]	0.04 [.01]	0.05 [.01]	0.05 [.01]	0.06 [.01]		
Downflow	0.02 [.00]	0.03 [.01]	0.03 [.01]	0.03 [.01]	0.04 [.01]	0.04 [.01]	0.04 [.01]	0.04 [.01]		
Downflow Economizer RA Damper Open	0.05 [.01]	0.06 [.01]	0.06 [.01]	0.06 [.01]	0.07 [.02]	0.07 [.02]	0.08 [.02]	0.08 [.02]		
Horizontal Economizer RA Damper Open	0.05 [.01]	0.06 [.01]	0.06 [.01]	0.06 [.01]	0.07 [.02]	0.07 [.02]	0.08 [.02]	0.08 [.02]		
Concentric Grill RXRN-FA65 or RXRN-FA75 & Transition RXMC-CC04	0.01 [.00]	0.01 [.00]	0.02 [.00]	0.02 [.00]	0.03 [.01]	0.04 [.01]	0.07 [.02]	0.08 [.02]		

AIRFLOW CORRECTION FACTORS — 6 TON [21.1 kW]

CFM [L/s]	1300 [613]	1400 [661]	1500 [708]	1600 [755]	1700 [802]	1800 [849]	1900 [897]	2000 [944]
TOTAL MBH	0.97	0.97	0.98	0.98	0.99	1.00	1.00	1.00
SENSIBLE MBH	0.87	0.90	0.92	0.94	0.97	0.99	1.02	1.02
POWER KW	0.98	0.98	0.99	0.99	0.99	1.00	1.00	1.00

NOTE: Multiply correction factor times gross performance data — resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions



ELECTRICAL DATA – SJNL SERIES				
		A060NL	A060PL	A072NL
Unit Information	Unit Operating Voltage Range	342-457	180-242	342-457
	Volts	380/415	200/220	380/415
	Minimum Circuit Ampacity	14/14	26/26	16/16
	Minimum Overcurrent Protection Device Size	20/20	30/30	20/20
	Maximum Overcurrent Protection Device Size	20/20	40/40	25/25
Compressor Motor	No.	1	1	1
	Volts	380/415	200/220	380/415
	Phase	3	3	3
	RPM	2874	2874	2874
	HP, Compressor 1	5	5	7 1/2
	Amps (RLA), Comp. 1	7.8/7.8	16/16	9.7/9.7
	Amps (LRA), Comp. 1	52/52	110/110	64/64
Condenser Motor	No.	1	1	1
	Volts	380/415	200/220	380/415
	Phase	1	1	1
	HP	1/3	1/3	1/3
	Amps (FLA, each)	1/1	2.2/2.2	1/1
	Amps (LRA, each)	2.4/2.4	4.7/4.7	2.2/2.2
Evaporator Fan	No.	1	1	1
	Volts	380/415	200/220	380/415
	Phase	3	3	3
	HP	1	1	1 1/2
	Amps (FLA, each)	1.9/1.9	3.8/3.8	2.8/2.8
	Amps (LRA, each)	12/12	24/24	17/17

1. Horsepower Per Compressor.

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

200-220 VOLT, THREE PHASE, 50 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit			
Model No. SJNL-	RXJJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 200-220 V	Heater KBTU/Hr @ 200-220 V	Heater Amp. @ 200-220 V	Unit Min. Ckt. Ampacity @ 200-220 V	Over Current Protective Device Size		Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity 200-220 V	Heat Pump Over Current Protective Device Size	
							Min./Max. @ 200 V	Min./Max. @ 220 V				Min./Max. @ 200 V	Min./Max. @ 220 V
A060PL	No Heat	—	—	—	—	26/26	30/40	30/40	—	—	26/26	30/40	30/40
	A06C	1	3.9/4.7	13.3/16.09	11.2/12.4	41/42	45/50	45/50	15/16	15/20	—	—	—
	A10C	1	6.7/8.1	22.73/27.53	19.2/21.2	51/53	60/60	60/60	25/27	25/30	—	—	—
	A12C	1	7.8/9.4	26.59/32.17	22.5/24.8	55/57	60/60	60/60	29/31	30/35	—	—	—
	A15C	1	10/12.1	34.2/41.35	28.9/31.8	63/66	70/70	70/70	37/40	40/40	—	—	—
	A20C	1	13.3/16.2	45.45/55.17	38.5/42.4	75/80	80/80	90/90	49/54	50/60	—	—	—

+ Field Installed Only

* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.

380-415 VOLT, THREE PHASE, 50 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit										Separate Power Supply For Both Unit and Heater Kit			
Model No. SJNL-	RXJJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 380-415 V	Heater KBTU/Hr @ 380-415 V	Heater Amp. @ 380-415 V	Unit Min. Ckt. Ampacity @ 380-415 V	Over Current Protective Device Size		Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity 380-415 V	Heat Pump Over Current Protective Device Size	
							Min./Max. @ 380 V	Min./Max. @ 415 V				Min./Max. @ 380 V	Min./Max. @ 415 V
A060NL	No Heat	—	—	—	—	14/14	20/20	20/20	—	—	14/14	20/20	20/20
	A06D	1	3.5/4.2	11.91/14.2	5.3/5.8	21/22	25/25	25/25	7/8	15/15	—	—	—
	A10D	1	6/7.2	20.62/24.59	9.2/10	26/27	30/30	30/30	12/13	15/15	—	—	—
	A12D	1	7/8.4	24/28.62	10.7/11.7	28/29	30/30	30/30	14/15	15/15	—	—	—
	A15D	1	9.1/10.8	30.93/36.89	13.8/15	32/33	35/35	35/35	18/19	20/20	—	—	—
	A20D	1	12.1/14.5	41.42/49.4	18.4/20.1	38/40	40/40	40/40	24/26	25/30	—	—	—
A072NL	No Heat	—	—	—	—	16/16	20/25	20/25	—	—	16/16	20/25	20/25
	A15D	1	9.1/10.8	30.93/36.89	13.8/15	34/35	35/35	40/40	18/19	20/20	—	—	—
	A20D	1	12.1/14.5	41.42/49.4	18.4/20.1	40/42	40/40	45/45	24/26	25/30	—	—	—
	A24D	1	15.1/18	51.37/61.27	22.9/25	45/48	50/50	50/50	29/32	30/35	—	—	—

+ Field Installed Only

* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.



SELECTION PROCEDURE

1. Determine cooling and heating requirements at design conditions.

Example:

Total cooling capacity56,600 BTUH [16.59 kW]
Sensible cooling capacity.....34,000 BTUH [9.96 kW]
Condenser entering air.....95°F [35°C]
Evaporator entering air.....67°F [19°C] wb/76°F [24°C] db
Indoor air flow1650 CFM [779 L/s]
External static pressure0.6 in wg

2. Select unit to meet cooling requirements.

Since total cooling is within the range of 6 ton [21.10 kW] unit, enter cooling performance table, at 95°F [35°C] outdoor temperature, 67°F [19°C] wb entering indoor air, and 1650 CFM [779 L/s]:

Total capacity60,100 BTUH [17.6 kW]
Power input.....4.6 kW

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

Sensible capacity35,948 BTUH [10.53 kW]

3. Determine blower speed and power to meet the system requirements.

At the given external static pressure of 0.6 in wg, the belt model must be selected. Enter the belt drive blower performance table at 1650 CFM [779 L/s] and 0.6 in wg ESP:

RPM896
Watts531
Drive.....L

4. Calculate indoor blower BTUH heat effect.

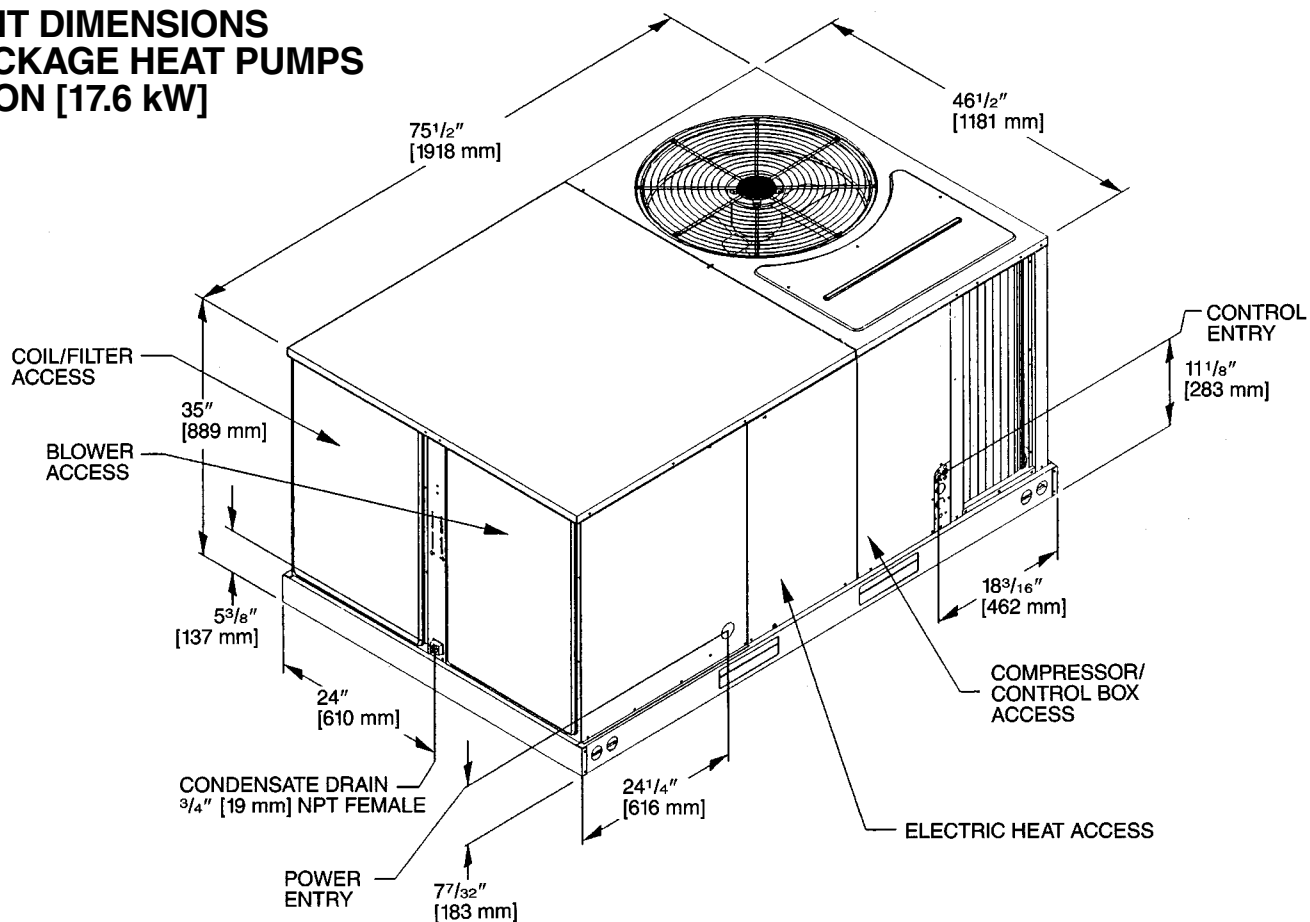
BTUH = Watts x 3.413 = 1812

5. Calculate net cooling capacities.

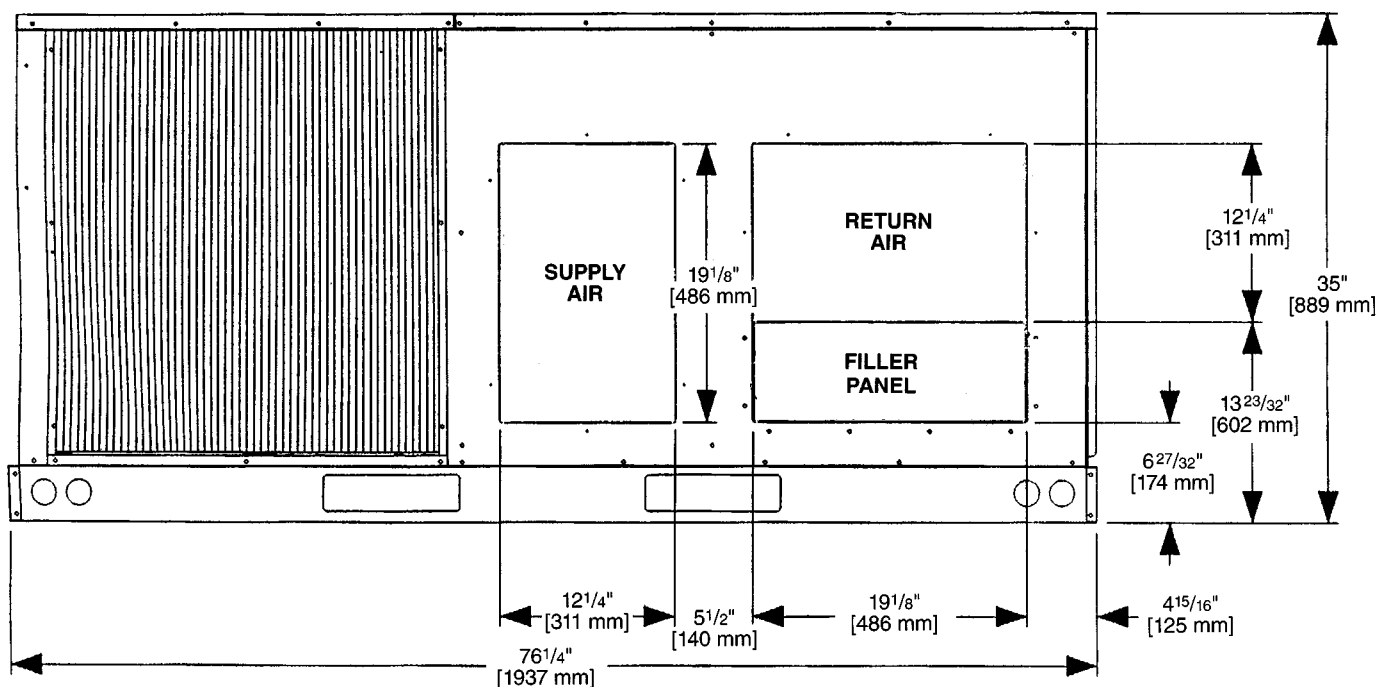
Net total cooling = 60,100 – 1812 = 58,288 BTUH [17.08 kW]
Net sensible cooling = 35,948 – 1812 = 34,136 BTUH [10.00 kW]

[] Designates Metric Conversions

UNIT DIMENSIONS PACKAGE HEAT PUMPS 5 TON [17.6 kW]



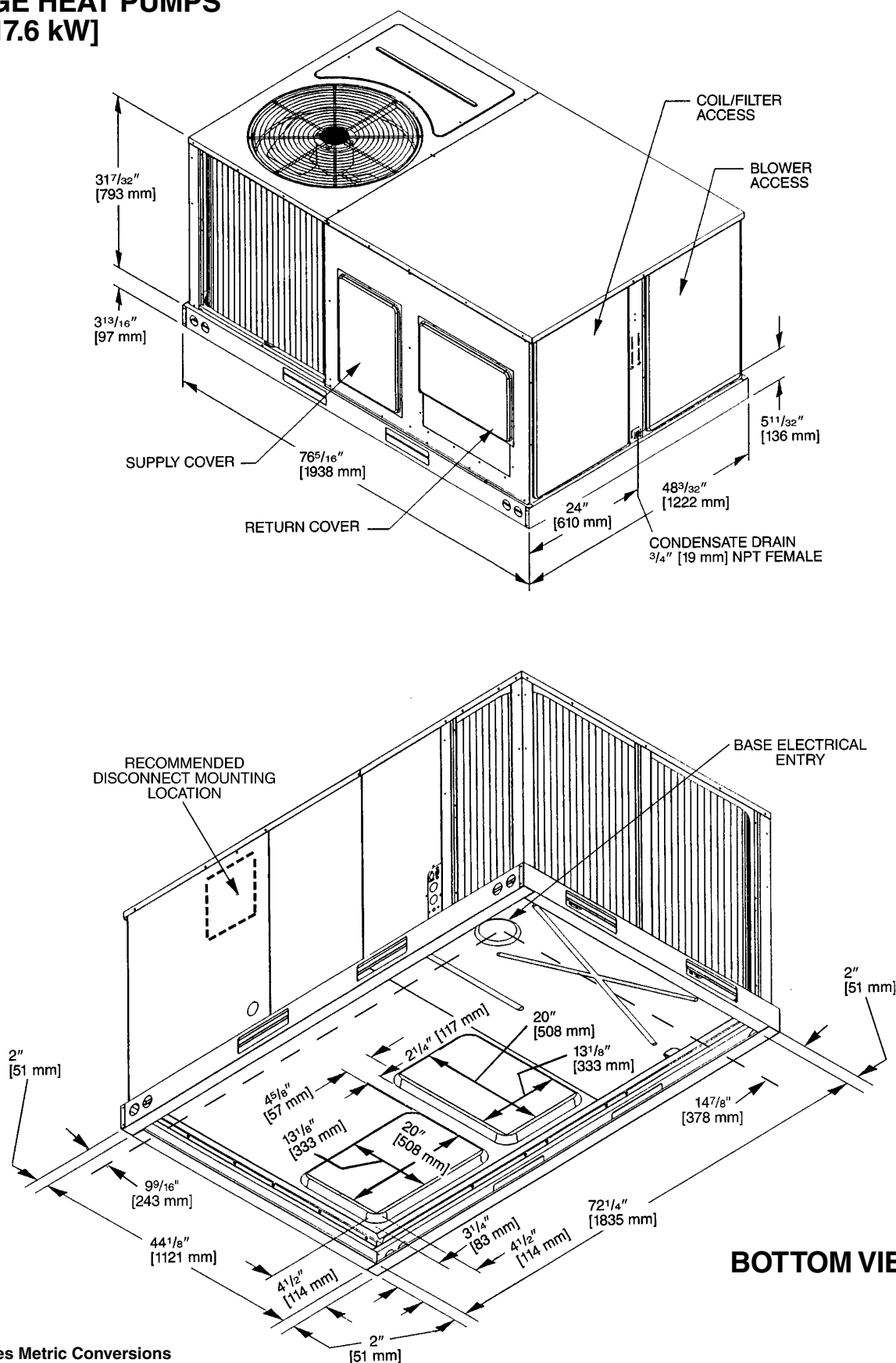
SUPPLY AND RETURN DIMENSIONS



[] Designates Metric Conversions



UNIT DIMENSIONS PACKAGE HEAT PUMPS 5 TON [17.6 kW]



[] Designates Metric Conversions

UNIT DIMENSIONS PACKAGE HEAT PUMPS 6 TON [21.1 kW]

FIGURE 1. UNIT DIMENSIONS

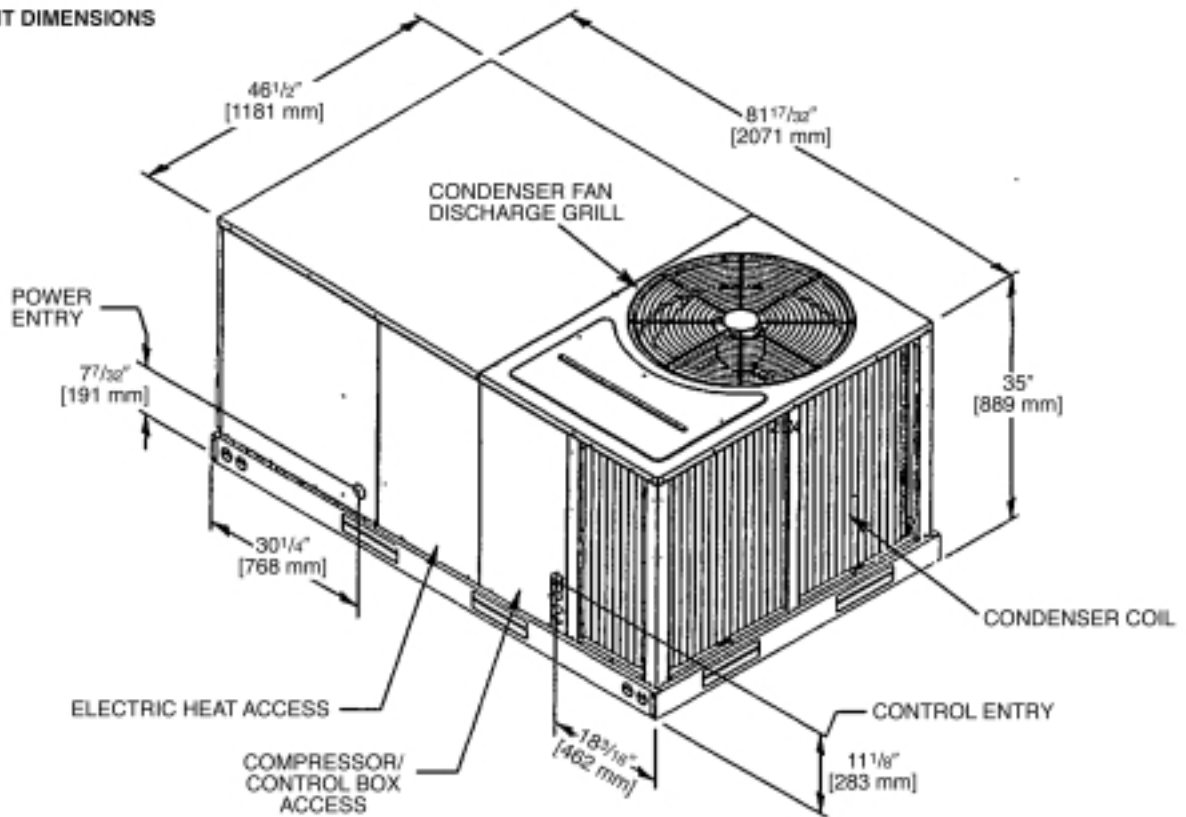
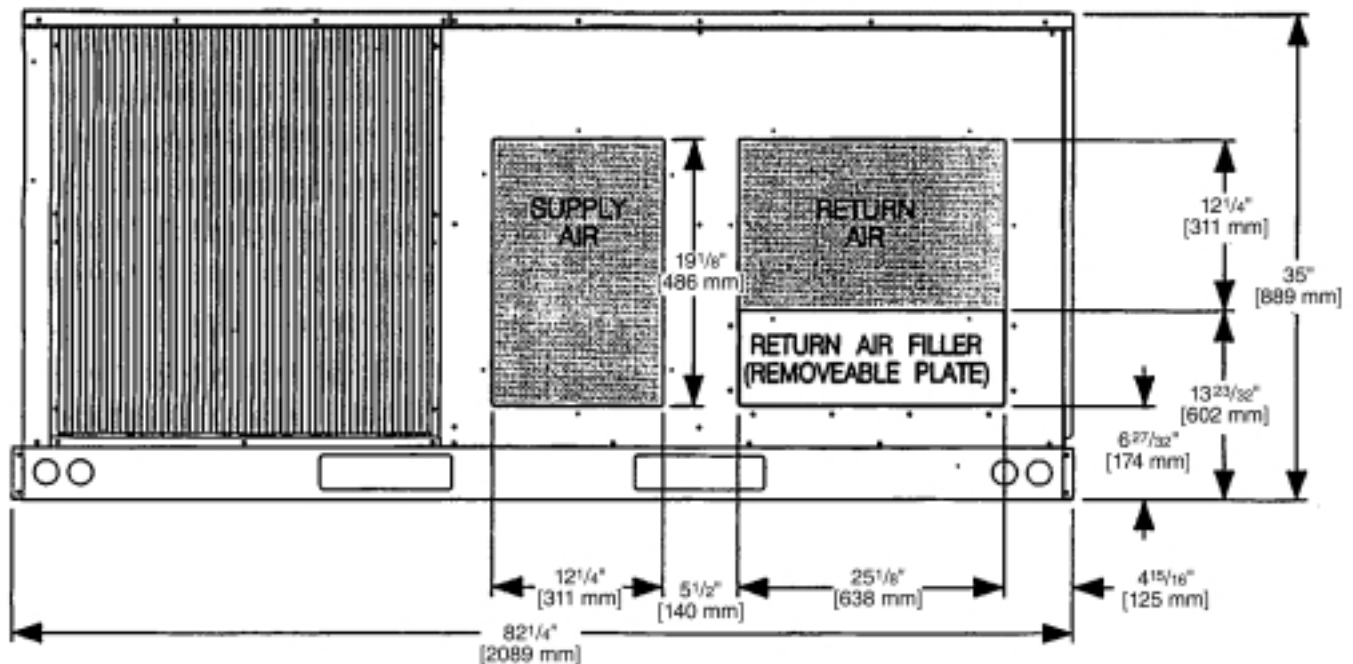


FIGURE 2. UNIT DIMENSIONS



[] Designates Metric Conversions

UNIT DIMENSIONS PACKAGE HEAT PUMPS 6 TON [21.1 kW]

FIGURE 3. UNIT DIMENSIONS

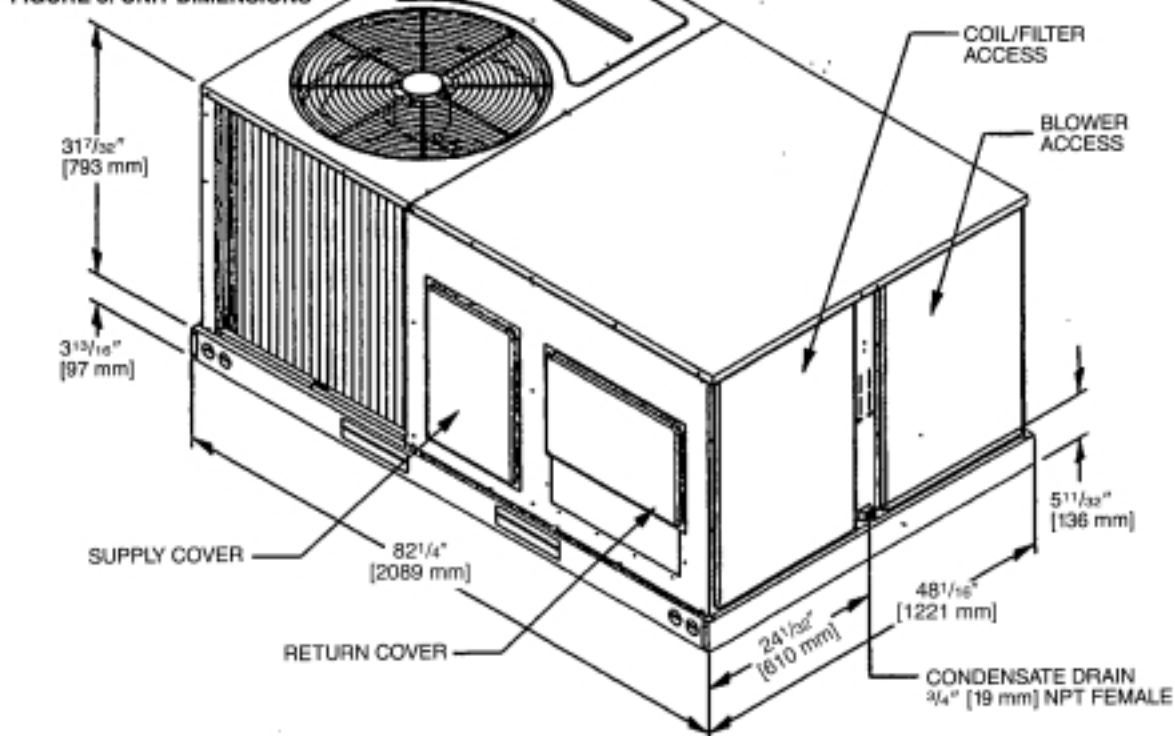
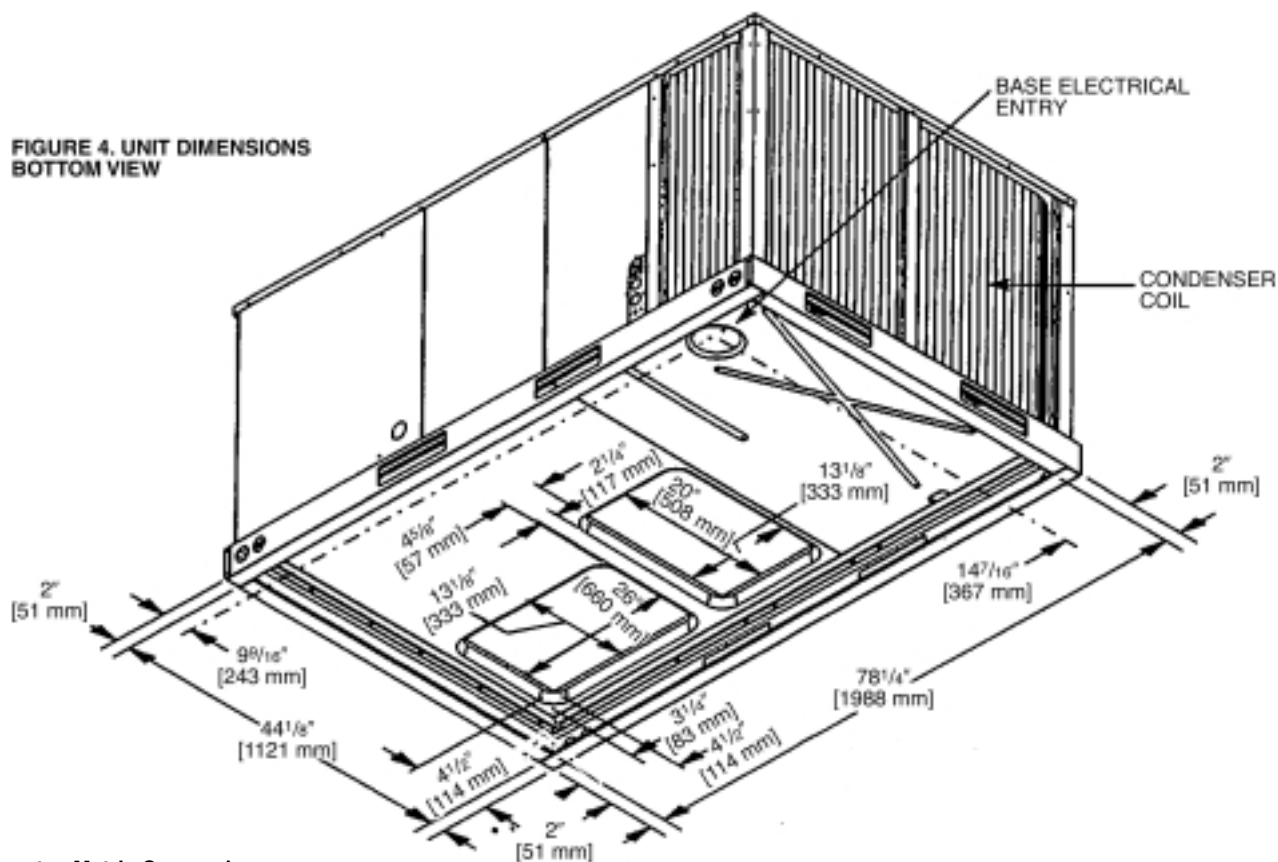


FIGURE 4. UNIT DIMENSIONS
BOTTOM VIEW



[] Designates Metric Conversions

WEIGHTS

Accessory	5 Ton [17.6 kW]		6 Ton [21.1 kW]	
	Shipping	Operating	Shipping	Operating
	lbs [kg]	lbs [kg]	lbs [kg]	lbs [kg]
Economizer with Single Enthalpy	70 [32]	60 [27]	80 [36]	70 [32]
Fresh Air Damper (Manual)	11 [5]	9 [4]	14 [6]	12 [5]
Fresh Air Damper (Motorized)	13 [6]	11 [5]	16 [7]	14 [6]
Roof Curb 14"	92 [42]	88 [40]	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]	—	—
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]	55 [25]	40 [18]

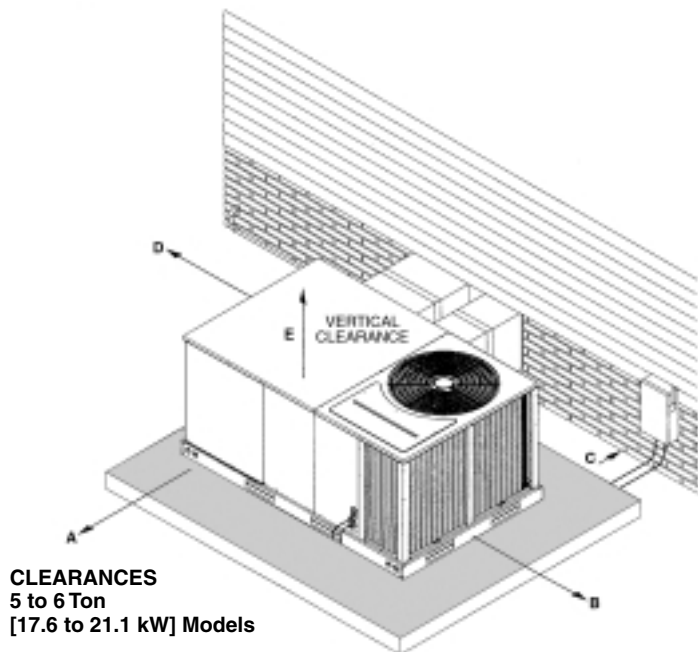
CLEARANCES

(5 to 6 Ton [17.6 to 21.1 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
*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.



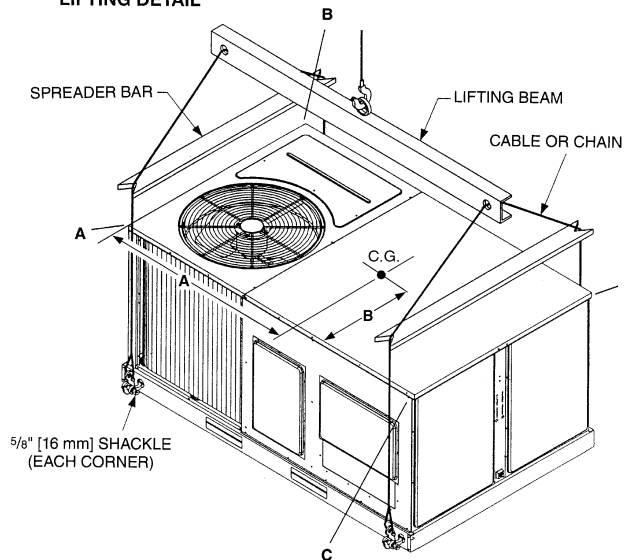
CLEARANCES
5 to 6 Ton
[17.6 to 21.1 kW] Models

CENTER OF GRAVITY (C.G.)

Capacity Tons [kW]	A in. [mm]	B in. [mm]
5 [17.6]	38 ¹ / ₄ [972]	25 ³ / ₄ [654]
6 [21.1]	39 [991]	26 ¹ / ₈ [664]

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
5 [17.6]	22%	27%	23%	28%
6 [21.1]	23%	29%	21%	27%

LIFTING DETAIL



[] Designates Metric Conversions



ACCESSORY EQUIPMENT

Description	Model Number		Factory Installed
	5 Ton [17.6 kW]	6 Ton [21.1 kW]	
Electric Heater Kits	RXJJ-A15* (C,D)	RXJJ-A15* (C,D) RXJJ-A20* (C,D) RXJJ-A24* (C,D)	See Heater Kit Electric Table
	RXJJ-A20* (C,D)		
	RXJJ-A24* (C,D)		
Roofcurb 14"	RXKG-CAD14	RXKG-CAD14	No
Roofcurb 24"	RXKG-CAD24	RXKG-CAD24	No
Roofcurb Adaptors	RXR-BCDB21	N/A	No
	RXR-BCDB22		
	RXR-BCDB23		
Economizer with Single Enthalpy	RXRD-MECM3	RXRD-TCCM3	Yes
Dual Enthalpy Kit	RXR-AV02	RXR-AV02	No
CO2 Sensor	RXR-AR02	RXR-AR02	No
Fresh Air Damper Manual	RXRF-FBA1	RXRF-FCA1	No
Fresh Air Damper Motorized	RXRF-FBB1	RXRF-FCB1	No
Rectangular to Round 18" Duct Adaptors for Concentric Diffuser	RXMC-CB03	N/A	No
Rectangular to Round 20" Duct Adaptors for Concentric Diffuser	RXMC-CB04	RXMC-CC04	No
Concentric Diffuser 18" Step (Side discharge)	RXRN-FA60	N/A	No
Concentric Diffuser 20" Step (Side discharge)	RXRN-FA65	RXRN-FA65	No
Concentric Diffuser 18" Flush	RXRN-FA70	N/A	No
Concentric Diffuser 20" Flush	RXRN-FA75	RXRN-FA75	No
Rectangular to Round 16" Side	RXMC-BB01	N/A	No
Louver Kit (3 Sides)	RXR-AAD01B	RXR-AAD01B	Yes
Time Delay	RXMS-B01	N/A	Yes
Low Ambient Control to 0°F [-18°C]	RXPZ-G01	RXPZ-G01	Yes
Thermostats	See Thermostat Spec Sheet (T11-001)		No

*Voltage

C = 208-230 VAC-3PH-60HZ, 200-220, 3PH-50HZ

D = 460 VAC-3PH-60HZ, 380-415-3PH-50HZ

NOTES: ① Economizer is designed for downflow or horizontal applications.

[] Designates Metric Conversions



THERMOSTATS



100-Series *
Non-Programmable



200-Series *
Programmable



300-Series *
Deluxe
Programmable



400-Series *
Special Applications/
Programmable

500-Series *
Communicating/
Programmable

Brand	Unique Model Number Prefix	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable 200=Programmable 300=Deluxe Programmable 400=Special Applications/ Programmable 500=Communicating/ Programmable	GE=Gas/Oil/Electric HP=Heat Pump MD=Modulating Furnace DF=Dual Fuel UN=Universal AC/HP/GE 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 T11-001.

Roofcurb Adapters

Old Models

MEDIUM CABINET (3 TON [11 kW])

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

LARGE CABINET

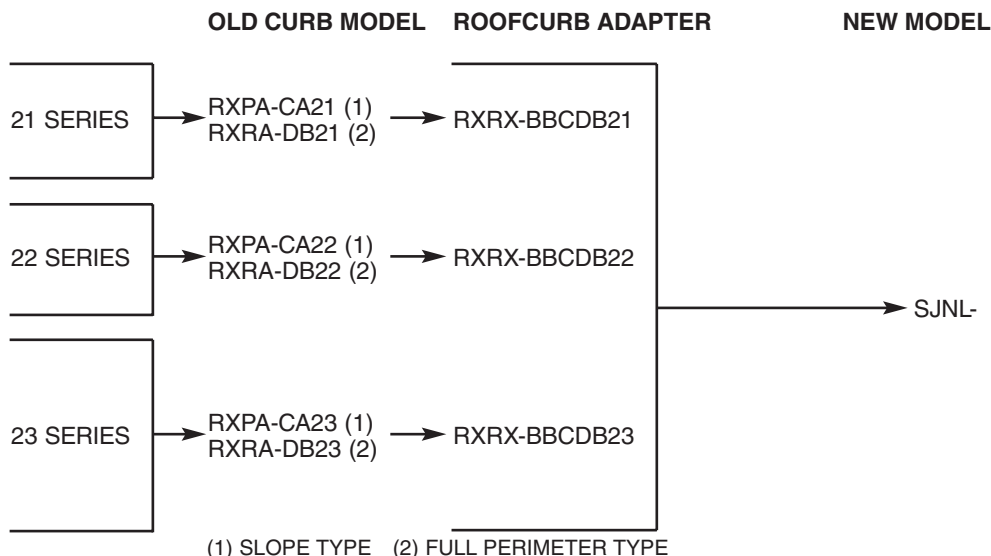
(3-3.5 TON [11-12 kW])

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

EXTRA LARGE CABINET

(3.5-5 TON [12-18 kW])

(-)SNC, (-)SND, (-)SNE
(-)RGE, (-)RGF,
(-)RGG (4-5 TON [14-18 kW])
(-)PNC, (-)PND, (-)RGH
(3.5, 4 TON [12-14 kW])

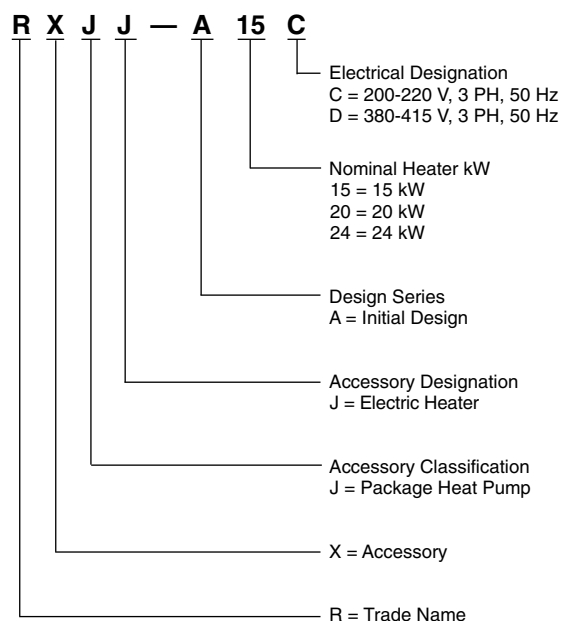


Field Installed Resistance Heater Kits

Electric Heater Kits are designed for field installation using either single-point power wiring or dual circuit wiring. Low voltage plugs are provided to allow for quick connection to the unit. Removing a block-off panel on the unit allows the heater elements to be inserted into the supply air down stream from the indoor coil and supply air blower.

[] Designates Metric Conversions

Model Number Identifier:

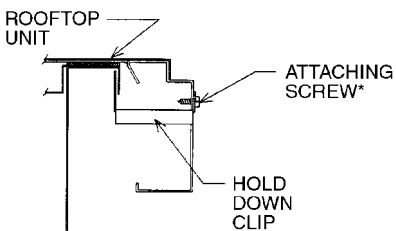
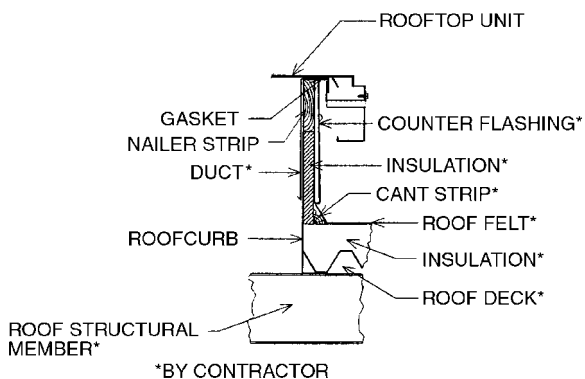


ROOFCURBS (Full Perimeter)

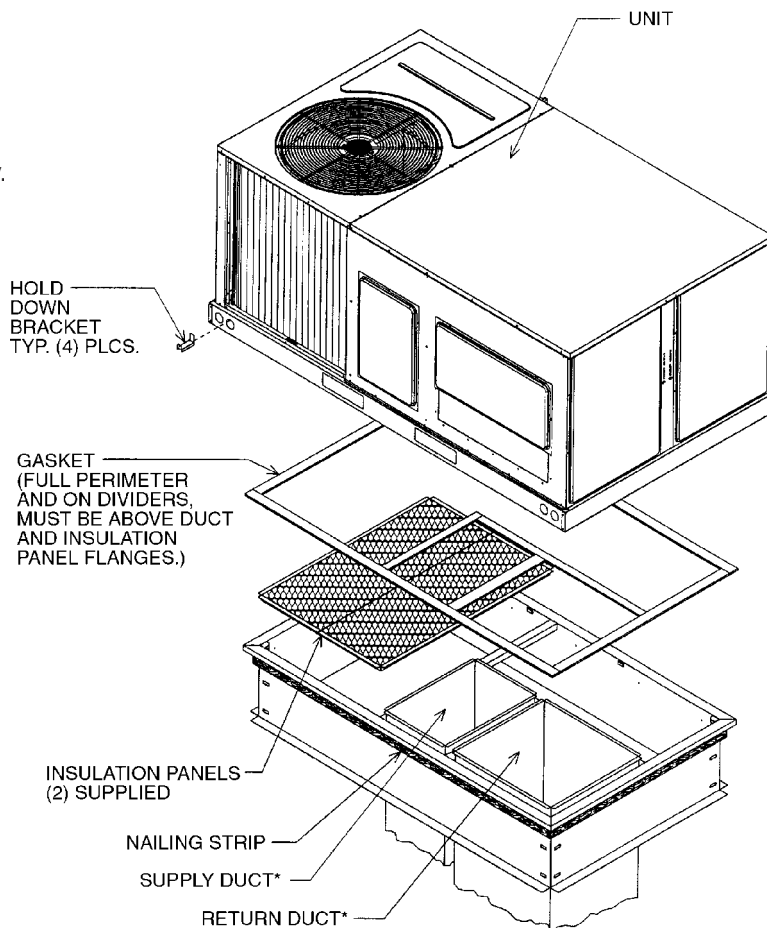
- Rheem's new roofcurb design can be utilized on 5 through 6 ton [17.6-21.1 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening 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]

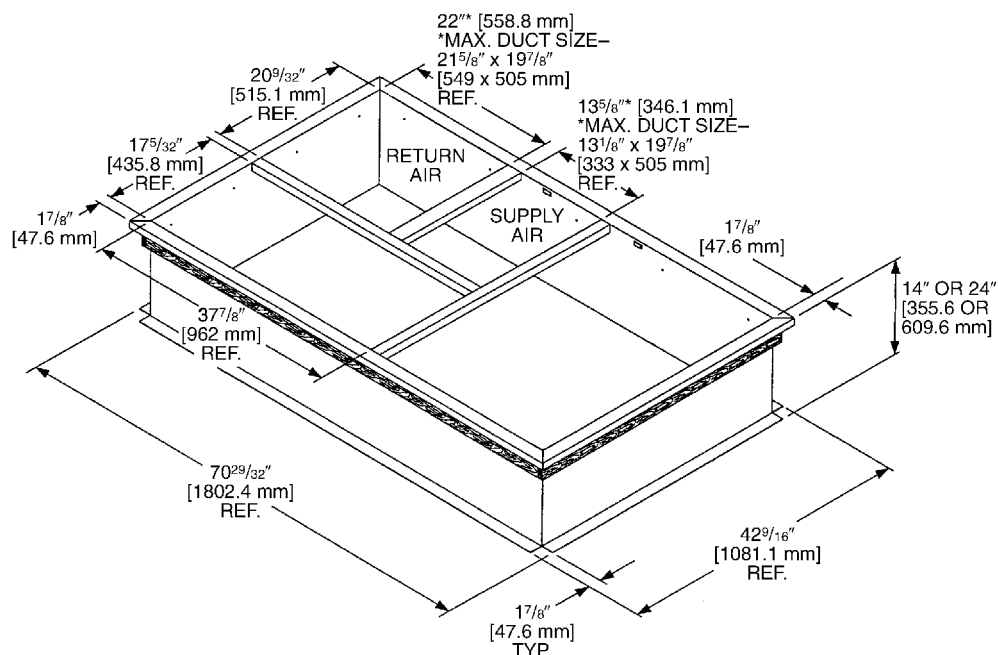
[] Designates Metric Conversions



TYPICAL INSTALLATION

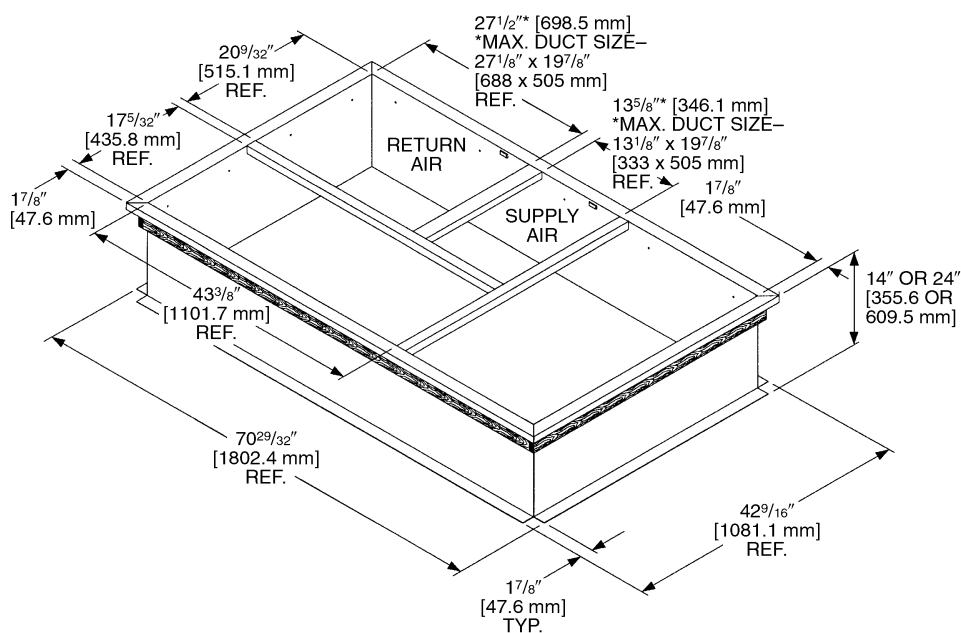


ROOFCURBS (Cont.)



**ROOFCURB CONFIGURATION FOR
SJNL 5 TON [17.6 kW] MODELS**

ROOFCURB CONFIGURATION FOR SJNL 6 TON [21.1 kW] MODELS



[] Designates Metric Conversions

Note: Roofcurb kits are the same for all models. (Figures above show locations for cross members that are model specific)

ECONOMIZERS

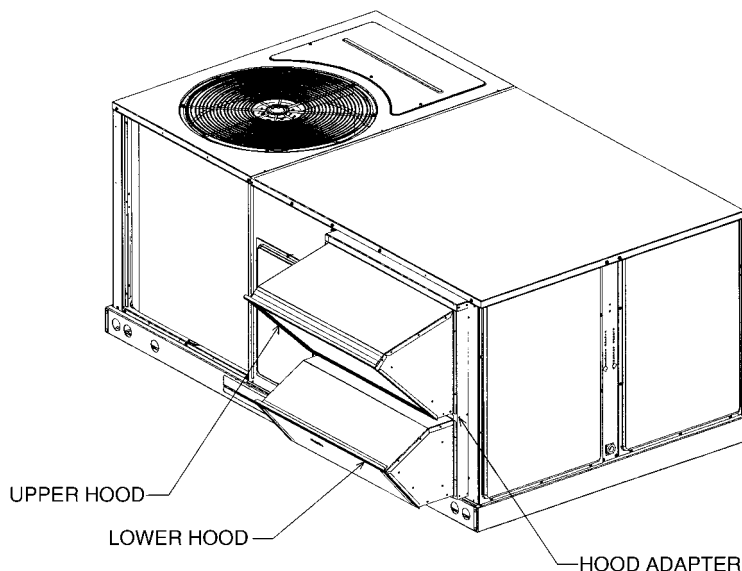
RXRD-MECM3—5 Ton [17.6 kW] Models Single Enthalpy with Barometric Relief

RXRD-TCCM3—6 Ton [21.1 kW] Models Single Enthalpy with Barometric Relief

RXRX-AV02—Dual Enthalpy Kit
5-6 Ton [17.6-21.1 kW] Models
Optional CO₂ Sensor

RXRX-AR02—5-6 Ton [17.6-21.1 kW] Models

- Features **Honeywell** 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 12-pin Electrical Connections
- Pre-configured—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 application
- Field Assembled Hood Ships with Economizer
- Optional Remote Minimum Position (Honeywell #S963B1128) is Available from ProStock



[] Designates Metric Conversions

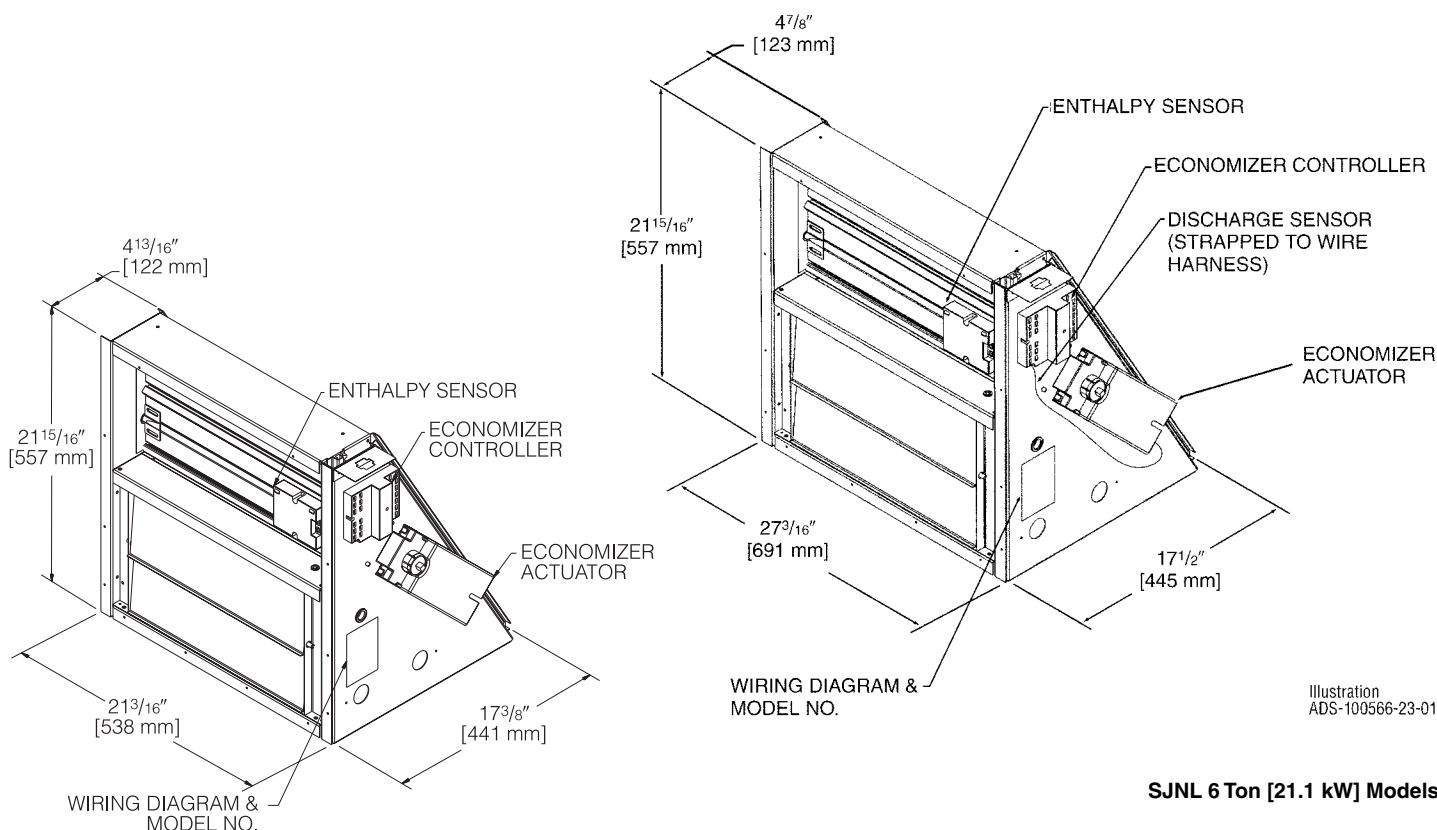


Illustration
 ADS-100566-23-01

SJNL 6 Ton [21.1 kW] Models

SJNL 5 Ton [17.6 kW] Models

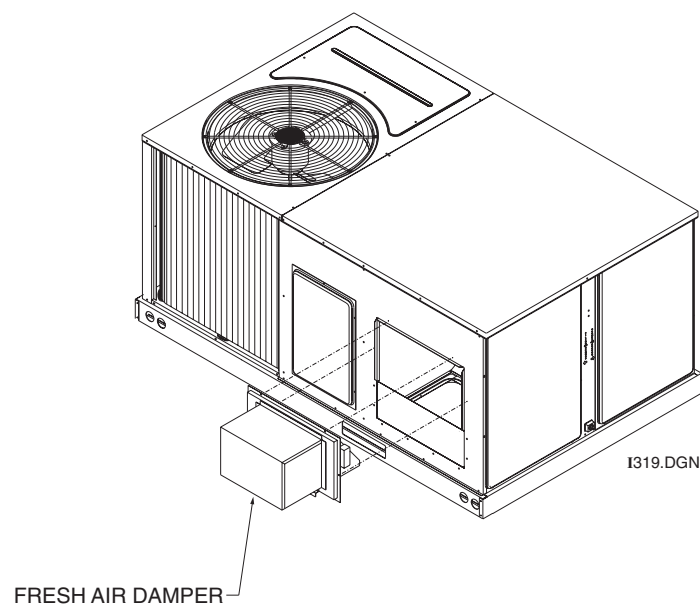
FRESH AIR DAMPER

SJNL 5-6 Ton [17.6-21.1 kW] Models

RXRF-FCA1 (Manual)

RXRF-FCB1 (Motorized)

[] Designates Metric Conversions

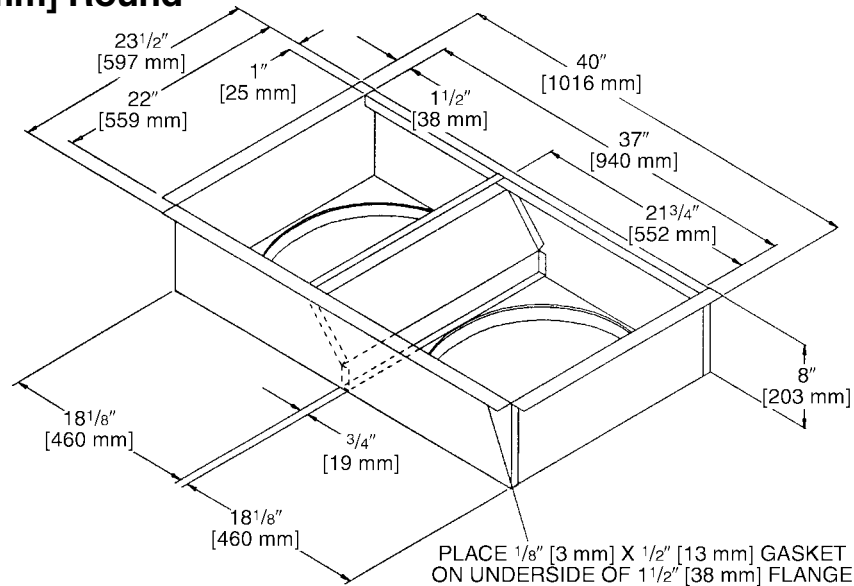


DUCT ADAPTERS (5 Ton [17.6 kW] Models)

Rectangular to Round Transitions (Downflow)

RXMC-CB03 – 18" [457 mm] Round

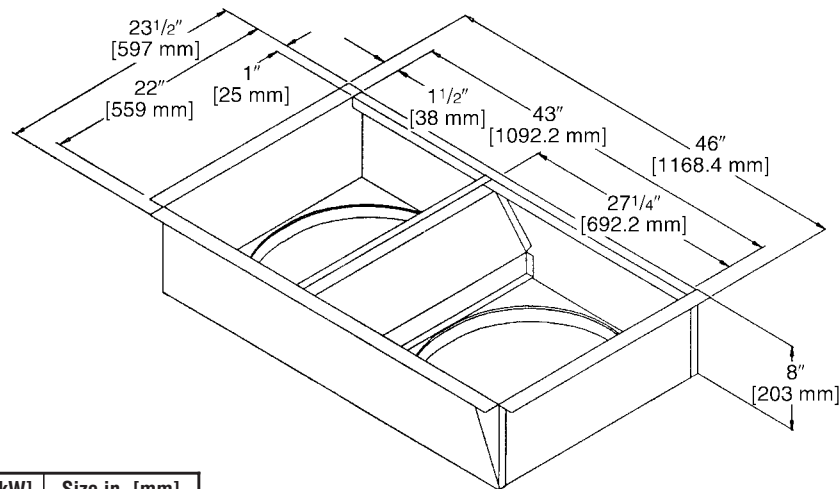
Available in 18 inch round to fit all units. Drops into and secures to RXKG- Series Roofcurbs. **For use with Concentric Diffusers.**



DUCT ADAPTERS (6 Ton [21.1 kW] Models)

Rectangular to Round Transitions (Downflow)

RXMC-CC04 20" [508 mm] Round



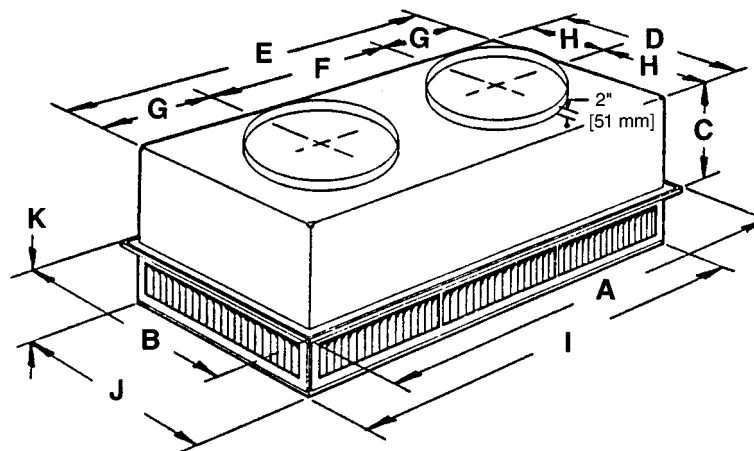
Accessory Model No.	Model Application Tons [kW]	Size in. [mm]
RXMC-CB03	5 [17.6]	18 [457] Round
RXMC-CC04	6 [21.1]	20 [508] Round

[] Designates Metric Conversions

SIDE DISCHARGE CONCENTRIC DIFFUSER

RXRN-FA60 (5 Ton [17.6 kW] Models)
RXRN-FA65 (6 Ton [21.1 kW] Model)

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

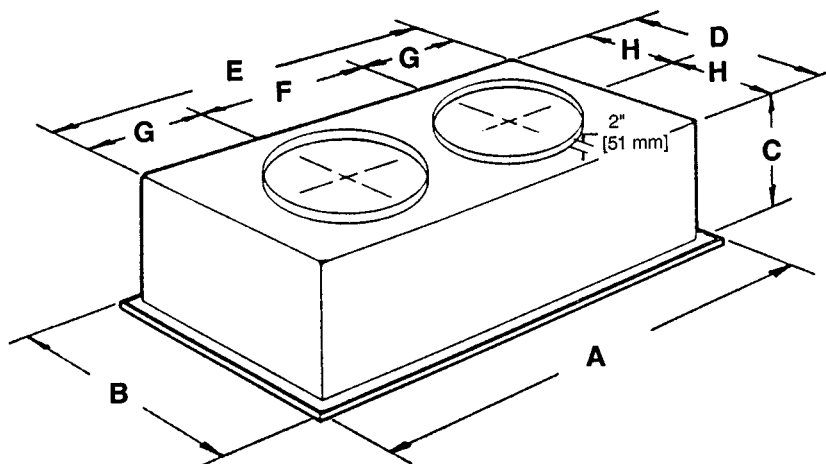
Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA60	1000 [472]	.14	10-17	351	351	20
	1200 [566]	.17	11-18	421	421	20
	1400 [661]	.20	12-19	491	491	20
	1600 [755]	.24	12-20	561	561	20
	1800 [850]	.30	13-21	632	632	20
	2000 [944]	.36	14-23	702	702	20
	2200 [1038]	.40	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	823	823	25
	3400 [1605]	.37	30-37	874	874	30

[] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (5 Ton [17.6 kW] Models)
RXRN-FA75 (6 Ton [21.1 kW] Model)

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 " [422 mm]	27" [686 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	816	1592	40
	3400 [1605]	.37	22-30	867	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.

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.

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.

Electric Heat Kits

Electric heat kits shall be available in a wide range of capacity with branch circuit fusing allowing single point wiring. Kits shall be UL/cUL approved. Each kit shall be offered as a field or factory installed option.

Pressure Controls

High and low pressure controls are standard for all models.

Low Ambient Control

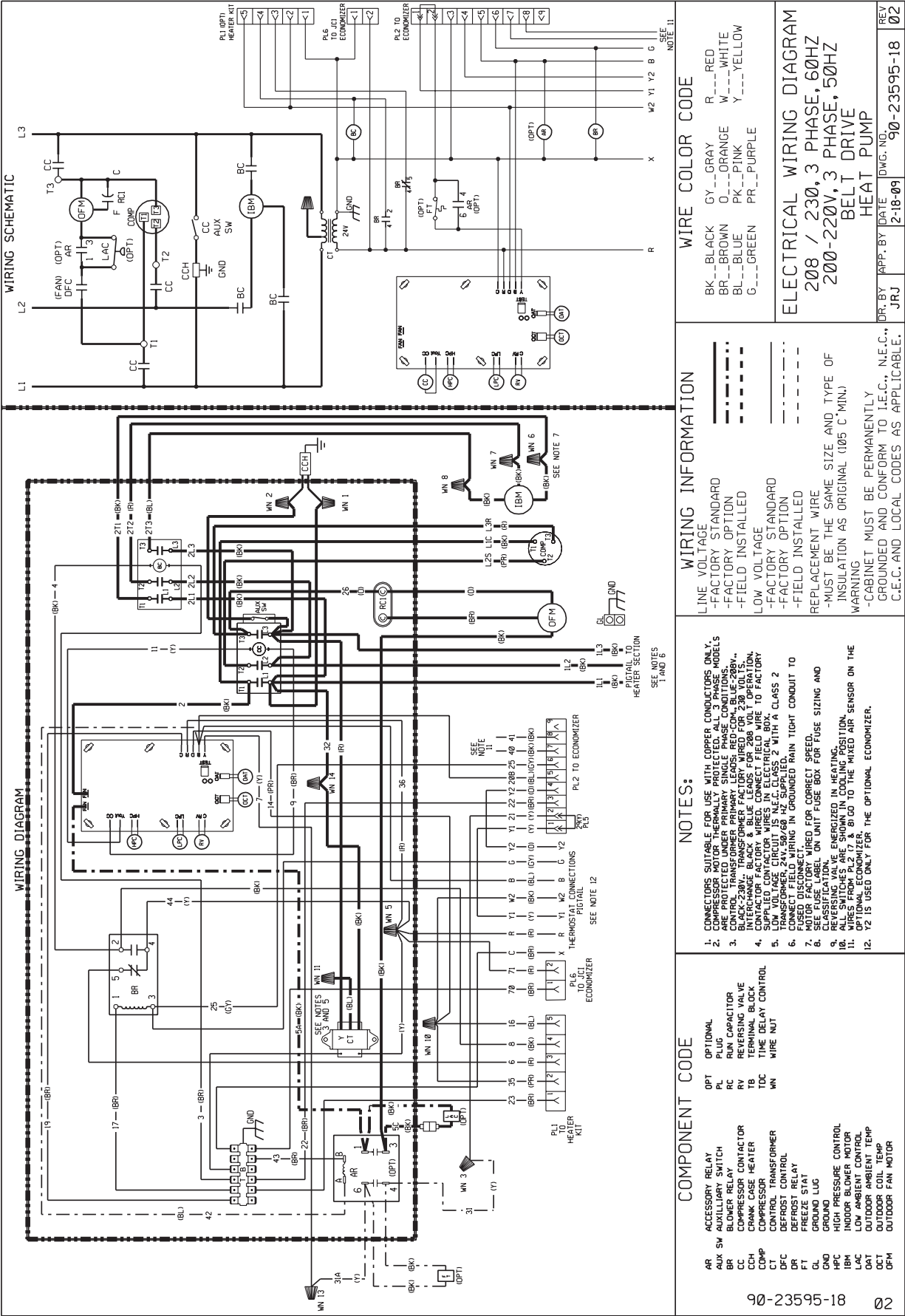
Low ambient control shall be provided to cycle the condenser fan in response to condensing pressure and allow operation to 0 degrees F. The option shall be field or factory installed.

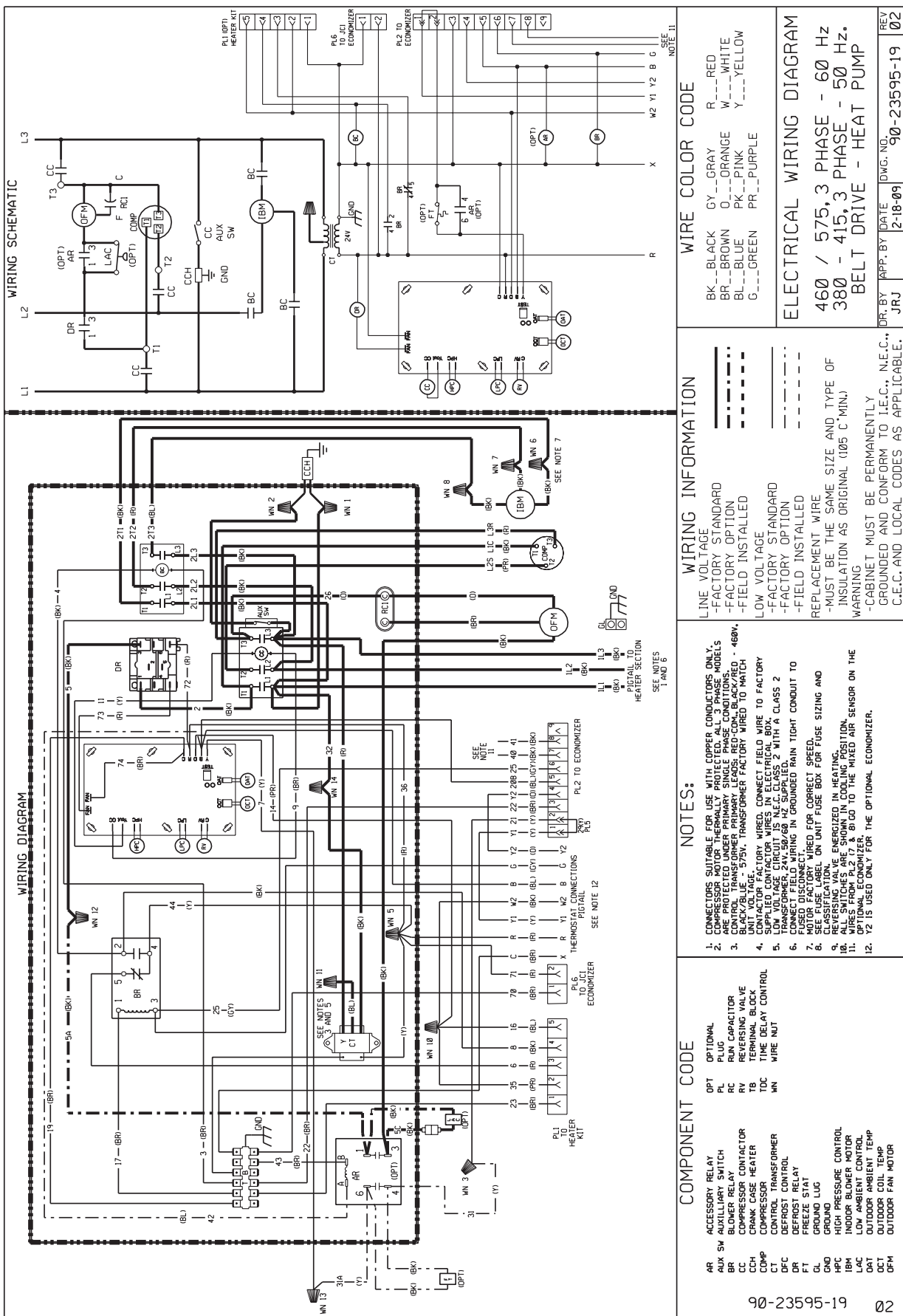
Time Delay Control

Time delay control shall be provided to prevent the compressor from restarting 5 minutes after shutdown.

Louver Panel Kits

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









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

**Rheem Heating,
Cooling and
Water Heating**

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



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