PACKAGE GAS / ELECTRIC ROOFTOP UNITS

FORM NO. EXR11-845 REV. 4
Supersedes Form No. EXR11-845 Rev. 3

SKKL- STANDARD EFFICIENCY SERIES

NOMINAL SIZES 6 TON [21.1 kW]
(50 Hz, 3 PHASE ONLY)

Accredited by the RvA
ABS Quality Evaluations, Inc. Management System Certification
ANAB ACCREDITED
ISO 9001:2008
Certificate Number: 30164

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

SKKL - B072

STANDARD FEATURES INCLUDE:

- R-410A HFC refrigerant.
- Complete factory charged, wired and run tested.
- Scroll compressor with internal line break overload and high-pressure protection.
- Single stage compressor on all models.
- Convertible airflow.
- TXV refrigerant metering system.
- High Pressure and Low Pressure/Loss of charge protection standard on all models.
- Solid Core liquid line filter drier.
- Single slab 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 ASTMB117 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.
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system.
- Permanently lubricated evaporator, condenser and gas heat inducer motors.
- Condenser motor is internally protected, totally enclosed with shaft down design.
- 1 inch filter standard with slide out design.
- 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.

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

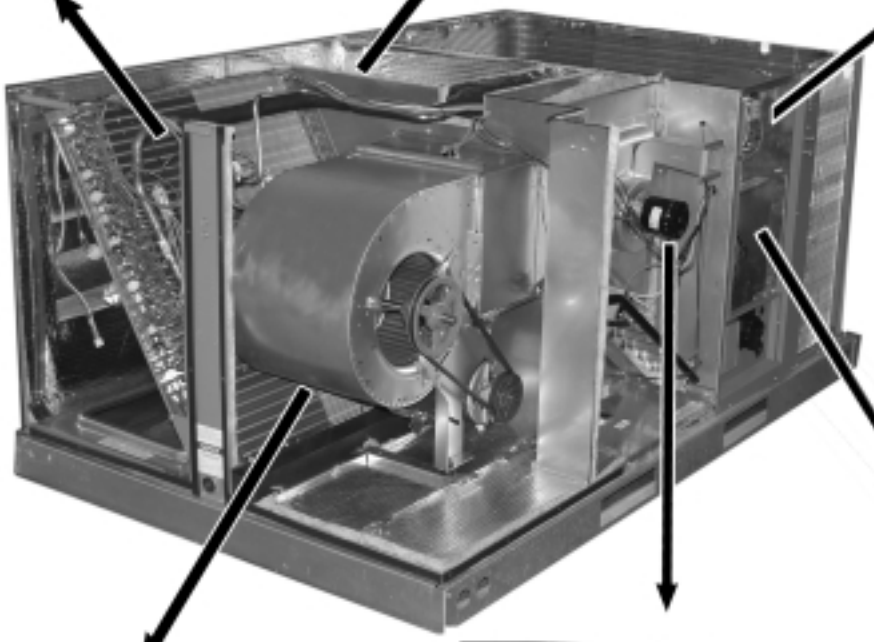
Evaporator Coil/Filter Access

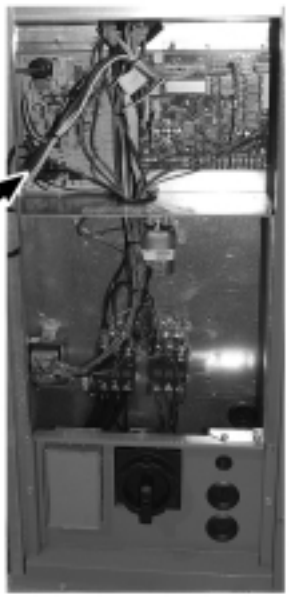
- Return air filters, normally provided, are removed in this photo.

Tubular Heat Exchanger

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

- Non-corrosive plastic condensate pan





Control Box Access

Compressor Access

Heating Compartment Access

Blower Access

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

1. **Determine cooling and heating requirements at design conditions.**
   Example:
   - Power Supply .....200/220, 3 PH, 50 Hz
   - Total cooling capacity .....59,000 BTUH [17.29 kW]
   - Sensible cooling capacity .....40,000 BTUH [11.72 kW]
   - Heating capacity .....96,000 BTUH [28.13 kW]
   - Condenser entering air .....95°F [35°C]
   - Evaporator entering air .....67°F [19.4°C] wb/76°F [24°C] db
   - Indoor air flow .....1700 CFM [802 L/s]
   - External static pressure.....0.5 in wg
   - Required efficiency .....11.2 EER

2. **Select unit to meet cooling requirements.**
   Since total cooling is within the range of 6 ton [21.10 kW] unit and requires 11.2 EER efficiency level, enter cooling performance from the SKKL-B072 at 95°F [35°C] outdoor temperature, 67°F [19.4°C] wb entering indoor air, and 1700 CFM [802 L/s]:
   - Total capacity.....61,600 BTUH [18.05 kW]
   - Sensible capacity .....43,300 BTUH [12.69 kW]
   - Power input .....4.7 kW

   And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the table:
   - Sensible capacity .....36,568 BTUH [10.72 kW]

3. **Select heating capacity of the unit.**
   In the general data tables, note that the heating capacity of the 6 ton [21.10 kW] model with the 120,000 input heater can deliver 96,000 BTUH [28.13 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 0.5 in wg, the belt model must be selected. Enter the belt drive blower performance data at 1700 CFM [802 L/s] and 0.5 in wg ESP:
   - RPM 913
   - Watts.....668
   - Drive L

5. **Calculate indoor blower BTUH heat effect.**
   BTUH = Watts x 3.413 = 2280

6. **Calculate net cooling capacities.**
   Net total cooling = 61,600 – 2280 = 59,320 BTUH [17.38 kW]
   Net sensible cooling = 43,300 – 2280 = 41,020 BTUH [12.02 kW]

7. **Select model**
   SKKL-B072CM11E

[ ] Designates Metric Conversions

MODEL IDENTIFICATION—SKKL- SERIES

S K K L — B 072 C L 11 E X X X

- Economizer Option (See Next Page)
- Factory Installed Options (See Next Page)
- Ignition System
  E = Electric Ignition, 1 Stage Gas Valve
  X = Electric Ignition, 1 Stage Gas Valve, NO_x
- Heating Capacity (MBH)
  11 = 120,000 [35.2]
- Drive Package
  L = Belt Drive
- Electrical Designation
  P = 200-220 V, 3 PH, 50 Hz
  N = 380-415 V, 3 PH, 50 Hz
- Cooling Capacity (BTUH) [kW]
  072 = 72,000 [21.10]
- Future Technical Variations
- Design Series
  (R-410A)
- Efficiency Designation
  K = 11.2 EER
- Product Classification
  K = Rooftop—Commercial
- Tradebrand
  S = Rheem Export Package Gas Electric

[ ] Designates Metric Conversions

FACTORY INSTALLED OPTION CODES FOR SKKL (6 TON) [21.1 kW] (B072)

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: SKKL-B072CL11E***XX***X *(where **XX** is factory installed option)*

Example: No Options
SKKL-B072CL11E

Example: No option with factory installed economizer
SKKL-B072CL11EAAB

Example: Options with stainless steel heat exchanger and no factory installed economizer
SKKL-B072CL11EAJA

Example: Options same as above with factory installed economizer
SKKL-B072CL11EAJB

ECONOMIZER SELECTION FOR SKKL (6 TON) [21.1 kW]

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

"x" indicates factory installed option.

[ ] Designates Metric Conversions

NOM. SIZES 6 TON [21.1 kW]

Model SKKL- Series	B072NL11	B072PL11
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	61,500 [18.02]	61,500 [18.02]
EER/SEER[2]	11.3/NA	11.3/NA
Rated CFM [L/s]	1700 [802]	1700 [802]
Net Cooling Capacity Btu [kW]	59,500 [17.43]	59,500 [17.43]
Net Sensible Capacity Btu [kW]	41,200 [12.07]	41,200 [12.07]
Net Latent Capacity Btu [kW]	18,300 [5.36]	18,300 [5.36]
Net System Power kW	5.27	5.27
Heating Performance (Gas)[3]		
Heating Input Btu [kW]	120,000 [35.16]	120,000 [35.16]
Heating Output Btu [kW]	96,000 [28.13]	96,000 [28.13]
Temperature Rise Range ˚F [˚C]	30-60 [16.7/33.3]	30-60 [16.7/33.3]
AFUE %	80	80
Steady State Efficiency (%)	81	81
No. Burners	6	6
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[4]	83	83
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin Type	Corrugated	Corrugated
Tube Type	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	6.5 [0.6]	6.5 [0.6]
Rows / FPI [FPcm]	4 / 12 [5]	4 / 12 [5]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	895	895
Indoor Fan—Type	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x10 [279x254]	1/11x10 [279x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable
No. Motors	1	1
Motor HP	1 1/2	1 1/2
Motor RPM	1465	1465
Motor Frame Size	564	564
Filter—Type	Disposable	Disposable
Furnished	Yes	Yes
(No.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]	191 [5415]	191 [5415]
Weights		
Net Weight lbs. [kg]	705 [320]	705 [320]
Ship Weight lbs. [kg]	712 [323]	712 [323]

See Page 9 for Notes.

[ ] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±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 is 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—SKKL-B072

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]			2460 [1161]	1700 [802]	1660 [784]	2460 [1161]	1700 [802]	1660 [784]	2460 [1161]	1700 [802]	1660 [784]	
DR ①			0	.10	.11	0	.10	.11	0	.10	.11	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	77.5 [22.7]	71.7 [21.0]	71.4 [20.9]	74.2 [21.7]	68.6 [20.1]	68.3 [20.0]	70.6 [20.7]	65.3 [19.1]	65.0 [19.0]	
		Sens BTUH [kW]	54.6 [16.0]	39.4 [11.5]	38.7 [11.5]	63.3 [18.5]	46.8 [13.7]	46.0 [13.7]	70.6 [20.7]	53.8 [15.8]	52.9 [15.8]	
		Power	4.0	3.9	3.8	4.0	3.8	3.8	3.9	3.8	3.8	
	80 [26.7]	Total BTUH [kW]	75.8 [22.2]	70.1 [20.5]	69.8 [20.5]	72.5 [21.2]	67.0 [19.6]	66.7 [19.5]	68.8 [20.2]	63.7 [18.7]	63.4 [18.6]	
		Sens BTUH [kW]	53.5 [15.7]	38.6 [11.3]	37.9 [11.3]	62.2 [18.2]	46.0 [13.5]	45.2 [13.5]	68.8 [20.2]	53.0 [15.5]	52.1 [15.5]	
		Power	4.2	4.0	4.0	4.2	4.0	4.0	4.1	4.0	3.9	
	85 [29.4]	Total BTUH [kW]	73.9 [21.7]	68.3 [20.0]	68.1 [20.0]	70.6 [20.7]	65.3 [19.1]	65.0 [19.0]	67.0 [19.6]	62.0 [18.2]	61.7 [18.1]	
		Sens BTUH [kW]	52.3 [15.3]	37.7 [11.0]	37.1 [11.0]	60.9 [17.8]	45.1 [13.2]	44.3 [13.2]	67.0 [19.6]	52.1 [15.3]	51.2 [15.3]	
		Power	4.4	4.3	4.2	4.4	4.2	4.2	4.3	4.2	4.2	
	90 [32.2]	Total BTUH [kW]	71.9 [21.1]	66.5 [19.5]	66.3 [19.4]	68.7 [20.1]	63.5 [18.6]	63.2 [18.5]	65.0 [19.0]	60.1 [17.6]	59.9 [17.6]	
		Sens BTUH [kW]	51.0 [14.9]	36.8 [10.8]	36.2 [10.8]	59.7 [17.5]	44.2 [13.0]	43.4 [13.0]	65.0 [19.0]	51.2 [15.0]	50.4 [15.0]	
		Power	4.6	4.5	4.5	4.6	4.4	4.4	4.6	4.4	4.4	
	95 [35]	Total BTUH [kW]	69.9 [20.5]	64.6 [18.9]	64.4 [18.9]	66.6 [19.5]	61.6 [18.0]	61.3 [18.0]	63.0 [18.5]	58.2 [17.1]	58.0 [17.0]	
		Sens BTUH [kW]	49.7 [14.6]	35.8 [10.5]	35.2 [10.5]	58.4 [17.1]	43.3 [12.7]	42.5 [12.7]	63.0 [18.5]	50.2 [14.7]	49.5 [14.7]	
		Power	4.9	4.7	4.7	4.8	4.7	4.6	4.8	4.6	4.6	
	100 [37.8]	Total BTUH [kW]	67.7 [19.8]	62.6 [18.3]	62.4 [18.3]	64.4 [18.9]	59.6 [17.5]	59.3 [17.4]	60.8 [17.8]	56.2 [16.5]	56.0 [16.4]	
		Sens BTUH [kW]	48.3 [14.2]	34.9 [10.2]	34.3 [10.2]	56.9 [16.7]	42.3 [12.4]	41.5 [12.4]	60.8 [17.8]	49.3 [14.4]	48.6 [14.4]	
		Power	5.1	4.9	4.9	5.1	4.9	4.9	5.0	4.9	4.8	
	105 [40.6]	Total BTUH [kW]	65.5 [19.2]	60.6 [17.8]	60.3 [17.7]	62.2 [18.2]	57.5 [16.8]	57.3 [16.8]	58.6 [17.2]	54.2 [15.9]	53.9 [15.8]	
		Sens BTUH [kW]	47.0 [13.8]	34.0 [10.0]	33.3 [10.0]	55.6 [16.3]	41.3 [12.1]	40.6 [12.1]	58.6 [17.2]	48.4 [14.2]	47.6 [14.2]	
		Power	5.4	5.2	5.2	5.4	5.2	5.1	5.3	5.1	5.1	
	110 [43.3]	Total BTUH [kW]	63.1 [18.5]	58.4 [17.1]	58.1 [17.0]	59.8 [17.5]	55.3 [16.2]	55.1 [16.1]	56.2 [16.5]	52.0 [15.2]	51.8 [15.2]	
		Sens BTUH [kW]	45.6 [13.4]	33.0 [9.7]	32.3 [9.7]	54.1 [15.9]	40.3 [11.8]	39.7 [11.8]	56.2 [16.5]	47.3 [13.9]	46.6 [13.9]	
		Power	5.7	5.5	5.5	5.6	5.4	5.4	5.6	5.4	5.4	
	115 [46.1]	Total BTUH [kW]	60.7 [17.8]	56.1 [16.4]	55.9 [16.4]	57.4 [16.8]	53.0 [15.5]	52.8 [15.5]	53.7 [15.7]	49.7 [14.6]	49.5 [14.5]	
		Sens BTUH [kW]	44.1 [12.9]	31.9 [9.3]	31.4 [9.3]	52.8 [15.5]	39.3 [11.5]	38.7 [11.5]	53.7 [15.7]	46.3 [13.6]	45.6 [13.6]	
		Power	6.0	5.8	5.7	5.9	5.7	5.7	5.9	5.7	5.6	
	120 [48.9]	Total BTUH [kW]	58.1 [17.0]	53.7 [15.7]	53.5 [15.7]	54.8 [16.1]	50.7 [14.9]	50.5 [14.8]	51.2 [15.0]	47.3 [13.9]	47.1 [13.8]	
		Sens BTUH [kW]	42.5 [12.5]	30.8 [9.0]	30.3 [9.0]	51.2 [15.0]	38.3 [11.2]	37.7 [11.2]	51.2 [15.0]	45.2 [13.2]	44.5 [13.2]	
		Power	6.3	6.0	6.0	6.2	6.0	6.0	6.2	6.0	5.9	

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

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

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

[ ] Designates Metric Conversions

ELECTRICAL DATA – SKKL SERIES			
		B072NL	**B072PL**
Unit Information	Unit Operating Voltage Range	342-456	180-242
	Volts	380/415	200/220
	Minimum Circuit Ampacity	17/17	33/33
	Minimum Overcurrent Protection Device Size	20/20	40/40
	Maximum Overcurrent Protection Device Size	20/20	50/50
Compressor Motor	No.	1	1
	Volts	380/415	200/220
	Phase	3	3
	RPM	2875	2875
	HP, Compressor 1	5	5
	Amps (RLA), Comp. 1	9.8/0	19.1/0
	Amps (LRA), Comp. 1	62/0	123/0
Condenser Motor	No.	1	1
	Volts	380/415	200/220
	Phase	1	1
	HP	1/3	1/3
	Amps (FLA, each)	1.25/1.25	2.6/2.6
	Amps (LRA, each)	2.4/2.4	4.7/4.7
Evaporator Fan	No.	1	1
	Volts	380/415	200/220
	Phase	3	3
	HP	1 1/2	1 1/2
	Amps (FLA, each)	2.8/2.8	5.8/5.8
	Amps (LRA, each)	17/17	34/34

AIRFLOW PERFORMANCE—6 TON [21.1 kW] (SKKL-B072)

6 Ton [21.10 kW] 50 Hz Models												
Drive	CFM [L/s]	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]	
		RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS
L	1600 [755]	—	—	—	—	800	530	845	570	890	620	965	650
	1800 [850]	—	—	—	—	835	615	885	665	935	715	985	805
	2000 [944]	—	—	835	660	885	720	930	770	985	845	1020	920
	2100 [991]	805	645	860	720	905	775	960	840	1005	930	1040	965
	2200 [1038]	835	675	895	780	970	900	985	930	1040	1000	—	—
	2400 [1133]	900	840	960	935	1005	1020	—	—	—	—	—	—
	2600 [1227]	1020	1120	1040	1160	—	—	—	—	—	—	—	—

Drive Package	L						
Motor H.P. [W]	1½ H.P. [1118.5 W]						
Blower Sheave	6.4 Pitch Diameter						
Motor Sheave	3.4-4.4 Pitch Diameter						
Turns Open	0	1	2	3	4	5	6
RPM	805	845	885	925	965	1000	1040

[ ] Designates Metric Conversions

UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

SKKL 6 TON [21.1 kW] MODELS

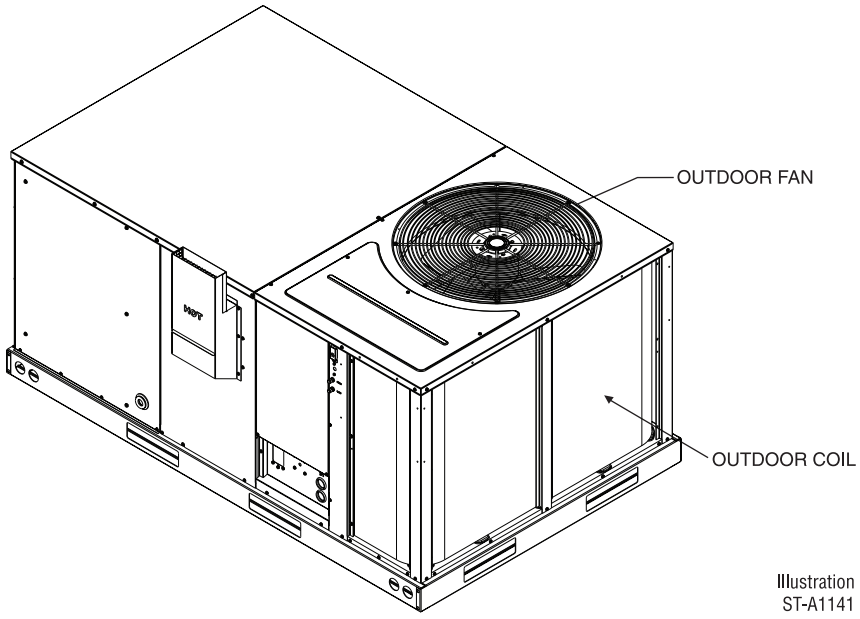


Illustration ST-A1141

BOTTOM VIEW

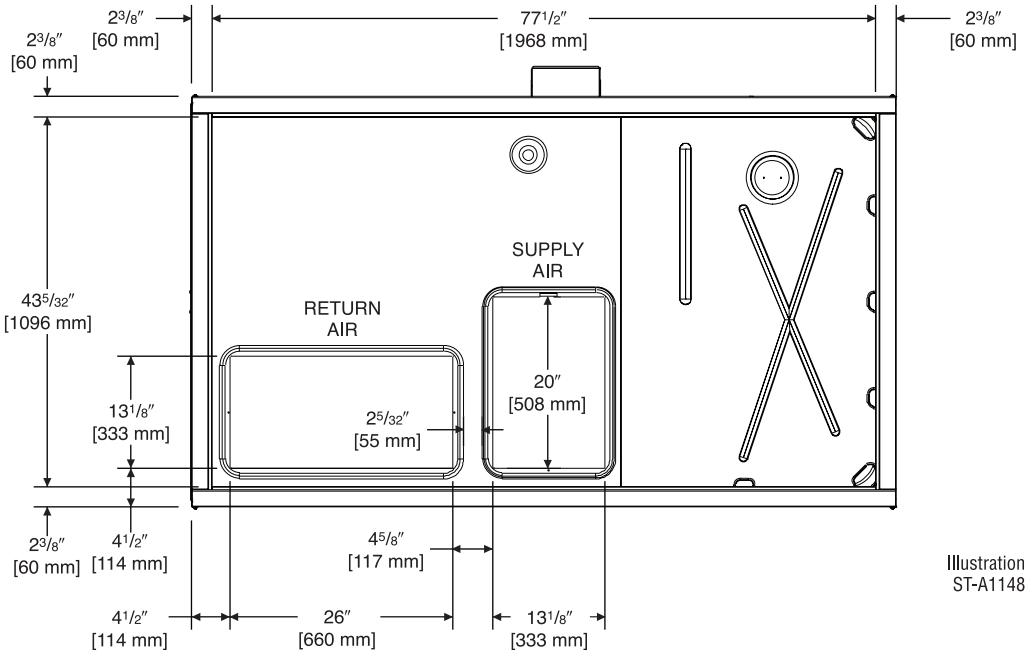


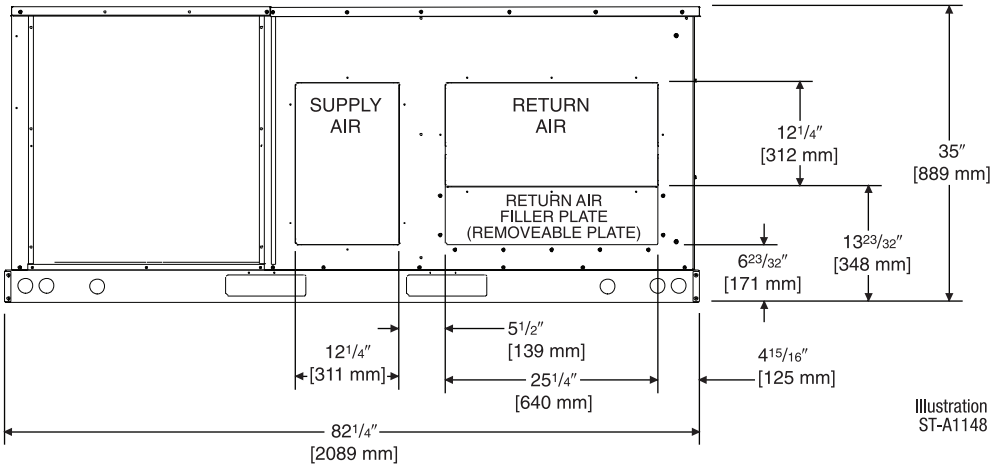
Illustration ST-A1148

[ ] Designates Metric Conversions

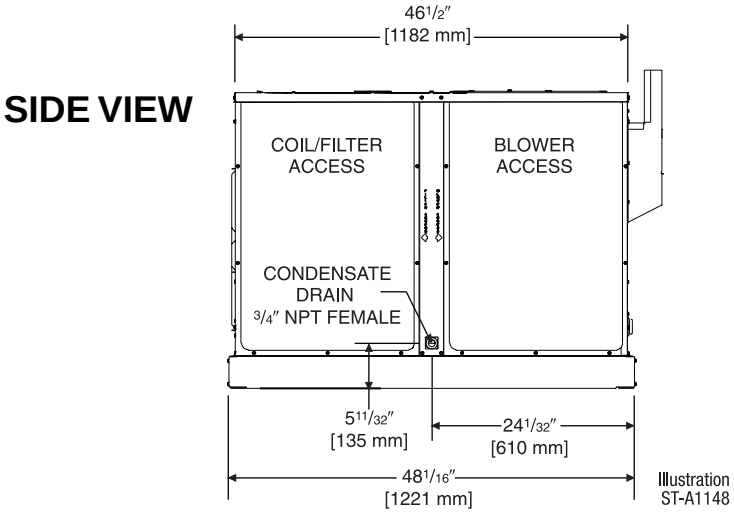
UNIT DIMENSIONS GAS HEAT / ELECTRIC COOLING PACKAGE

SKKL 6 TON [21.1 kW] MODELS

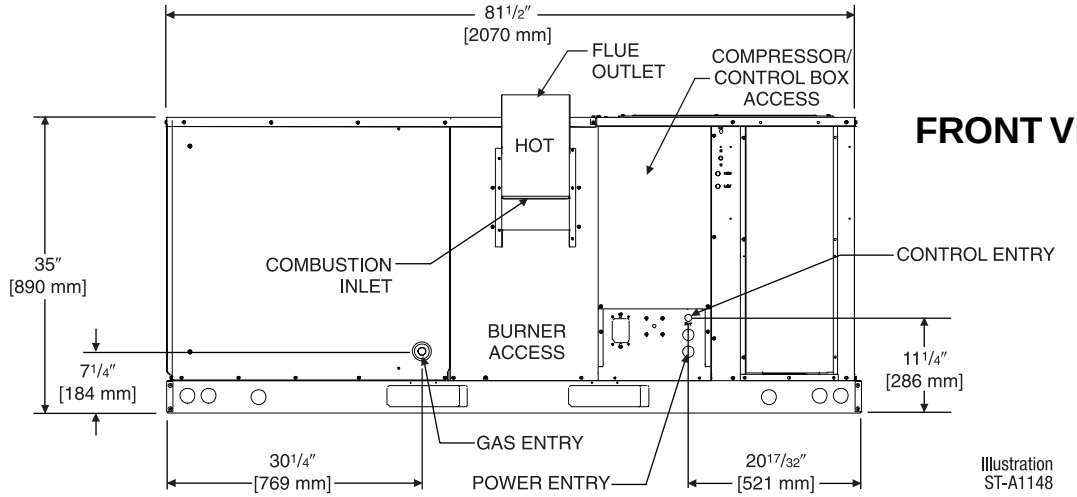
BACK VIEW



SIDE VIEW



FRONT VIEW



[ ] Designates Metric Conversions

WEIGHTS

Accessory	6 Ton [21.1 kW]	
	Shipping lbs [kg]	Operating lbs [kg]
Economizer with Single Enthalapy	70 [32]	60 [27]
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]
6 [21.1]	38 1/4 [972]	25 3/4 [654]

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

CLEARANCES
(6 Ton [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
*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.

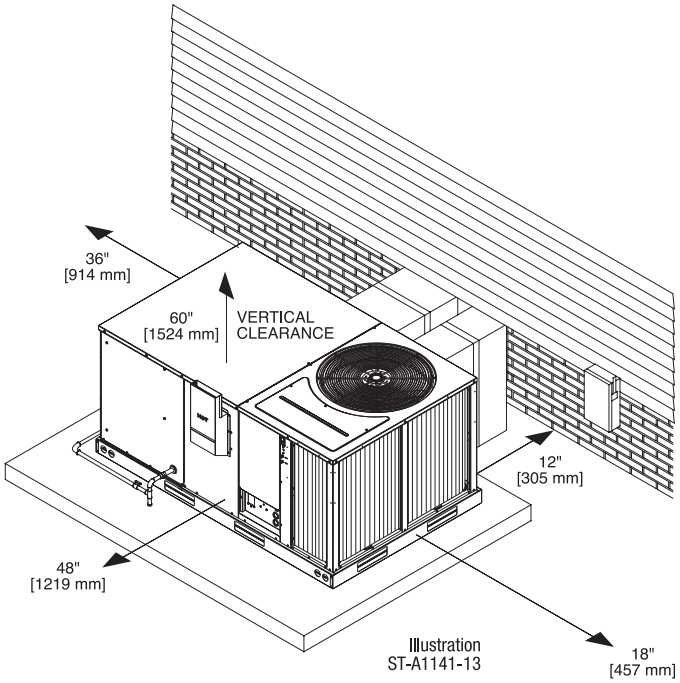
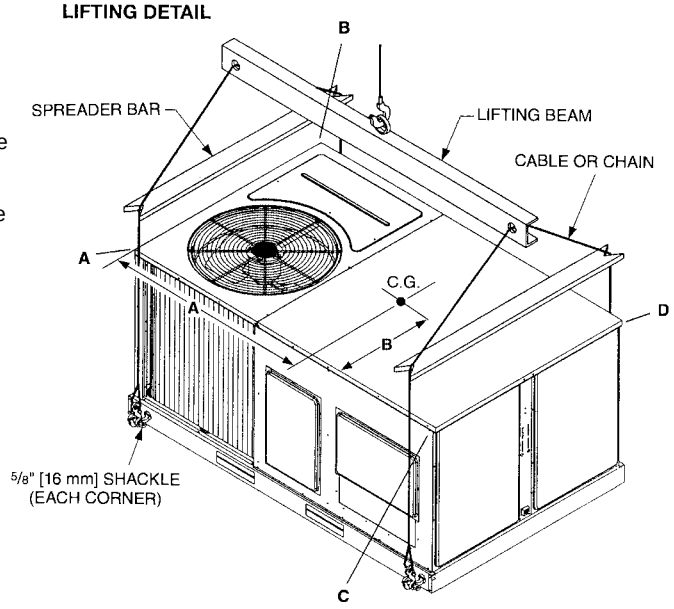


Illustration
ST-A1141-13

LIFTING DETAIL



[ ] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.	Factory Installed
Thermostats	SKKL-B072	See Thermostat Specification Sheet (T11-001)	No
Roofcurb, 14"	SKKL-B072	RXKG-CAD14	No
Roofcurb, 24"	SKKL-B072	RXKG-CAD24	No
Roofcurb adapters	SKKL-B072	RXRX-CCCE50	No
Economizer, downflow/horizontal, single enthalpy	SKKL-B072	RXRD-TCCM3	Yes
Dual enthalpy kit for economizer	SKKL-B072	RXRX-AV02	No
CO_2 sensor	SKKL-B072	RXRX-AR02	No
Fresh air damper, manual	SKKL-B072	RXRF-FCA1	No
Fresh air damper, motorized	SKKL-B072	RXRF-FCB1	No
Rectangular-to-round 20" duct adapters for concentric diffuser	SKKL-B072	RXMC-CC04	No
Concentric diffuser 20", step type	SKKL-B072	RXRN-FA65	No
Concentric diffuser 20", flush type	SKKL-B072	RXRN-FA75	No
Louver kit, 3-sided	SKKL-B072	RXRX-AAD01B	Yes
Compressor time delay	SKKL-B072	RXMD-B04	No
Low ambient control	SKKL-B072	RXMD-A04	Yes
Convenience outlet (requires separate power supply)	SKKL-B072	RXRX-AN02	Yes
Service disconnect switch	SKKL-B072	RXRX-AP02	Yes
LP conversion kit for White Rodgers gas valve	SKKL-B072	RXGJ-EP84W	No
LP conversion kit for Honeywell gas valve	SKKL-B072	RXGJ-EP85H	No
Freeze Stat Control	SKKL-B072	RXRX-AM01	Yes

*Voltage P = 200-220 VAC-3PH-50HZ
N = 380-415 VAC-3PH-50HZ

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

COMMERCIAL PACKAGE UNIT
(6.5 & 7.5 TON [23-26 kW])
(-)RCF, (-)REF, (-)RGF131 & 201, RGF150

OLD CURB MODEL	ROOFCURB ADAPTER	NEW MODEL
RXRK-E50	RXRX-CCCE50	SKKL-B072

(1) SLOPE TYPE (2) FULL PERIMETER TYPE

[ ] Designates Metric Conversions

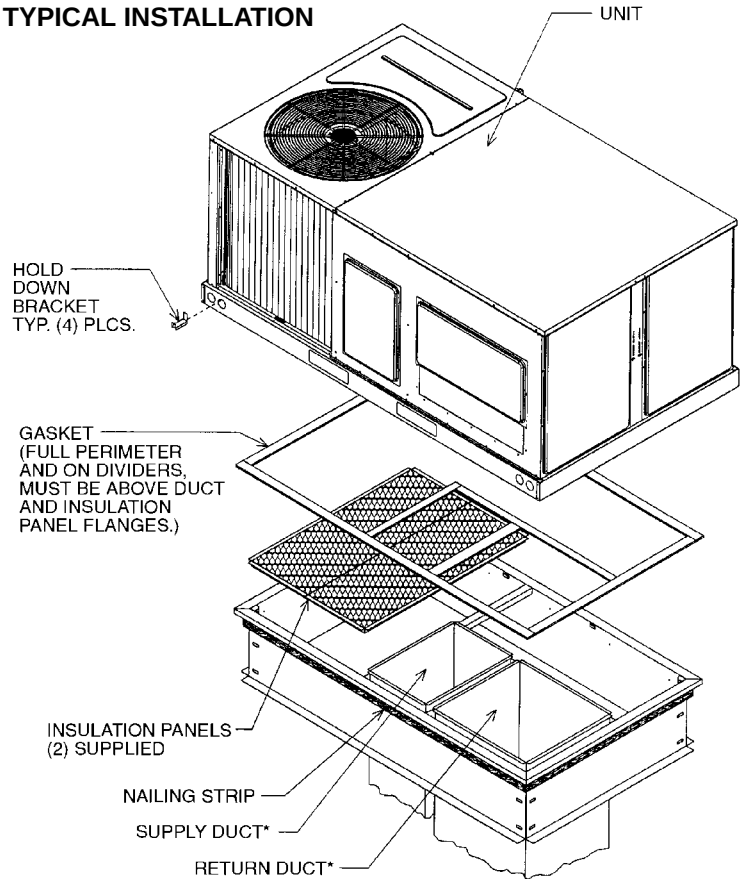
ROOFCURBS (Full Perimeter)

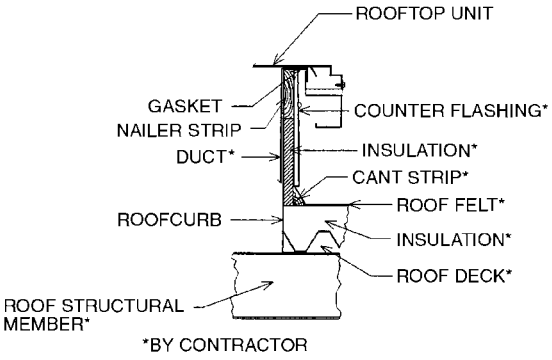
- Rheem's new roofcurb design can be utilized on 3 through 6 ton [10.6-21.1 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailer provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

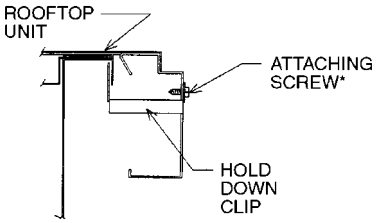
Roofcurb Model	Height of Curb
RXKG-CAD14	14" [356 mm]
RXKG-CAD24	24" [610 mm]

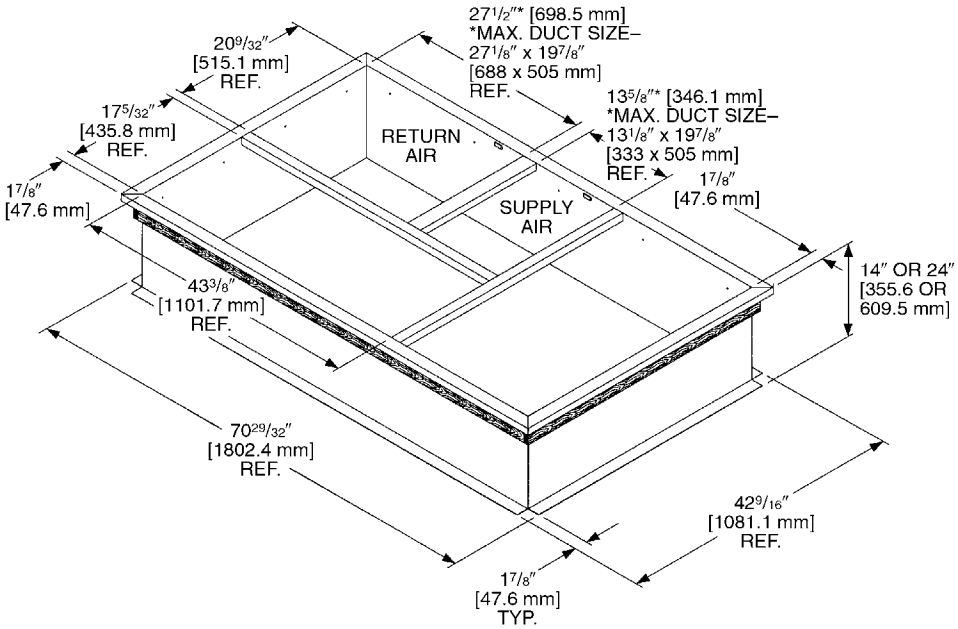
[ ] Designates Metric Conversions

TYPICAL INSTALLATION









ROOFCURB FOR SKKL 6 TON [21.1 kW] MODELS

ECONOMIZERS

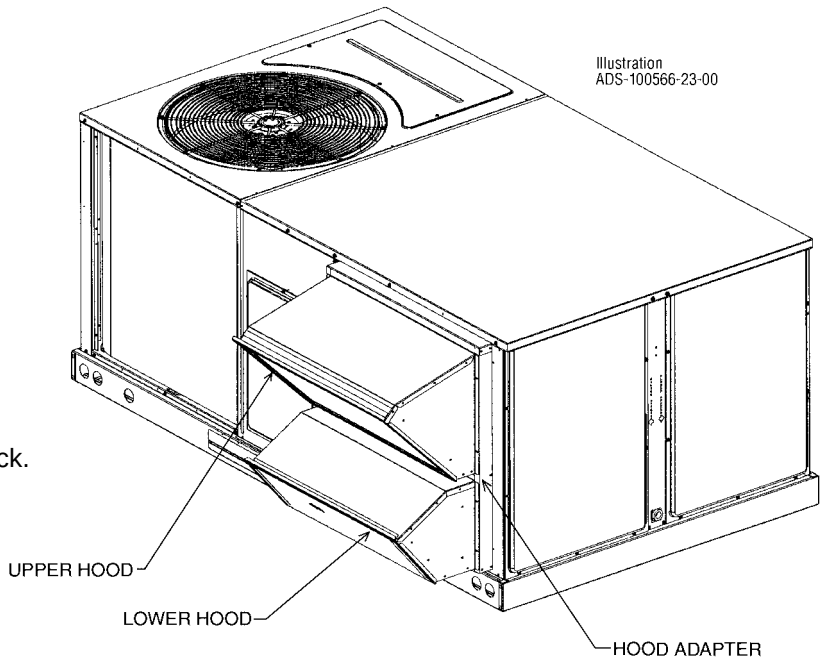
RXRD-TCCM3—SKKL 6 Ton [21.1 kW] Models **Single Enthalpy (with Barometric Relief)**

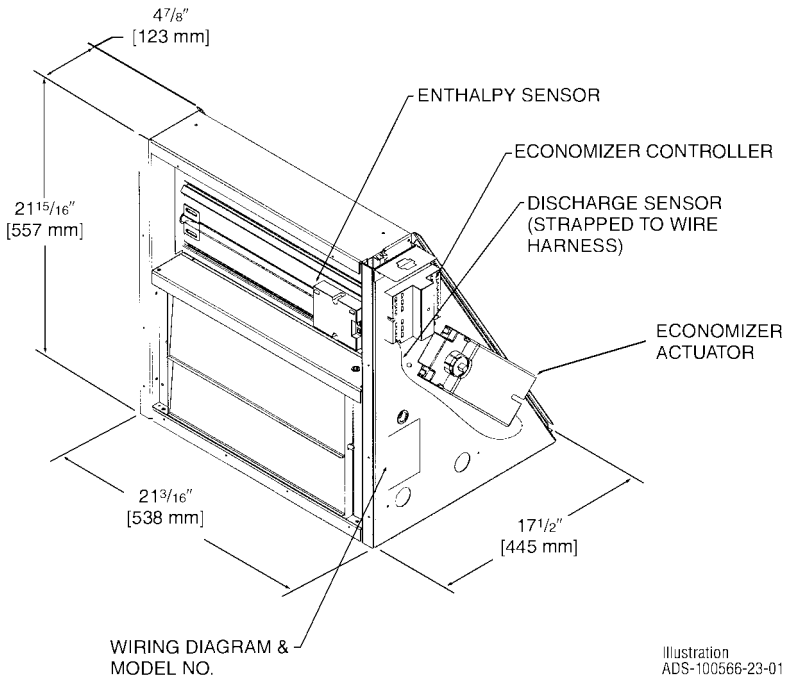
RXRX-AV02—6 Ton [21.1 kW] Models **Dual Enthalpy Kit**

RXRX-AR02—6 Ton [21.1 kW] Models **Optional CO_2 Sensor**

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

[ ] Designates Metric Conversions

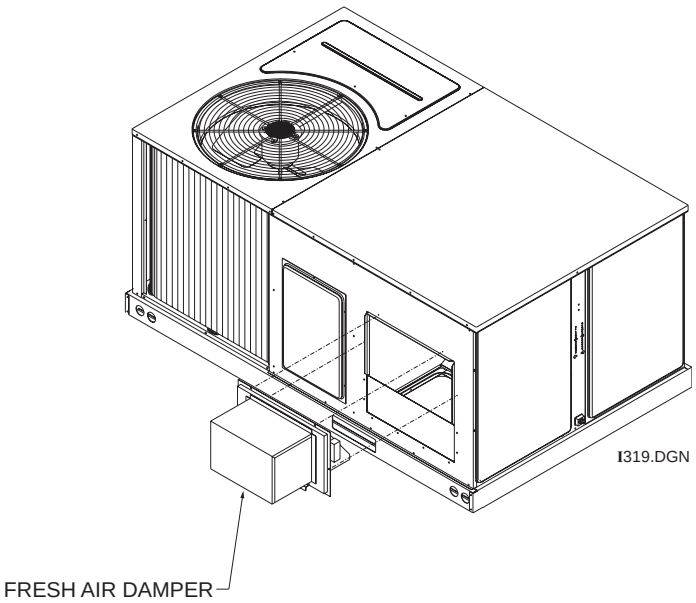




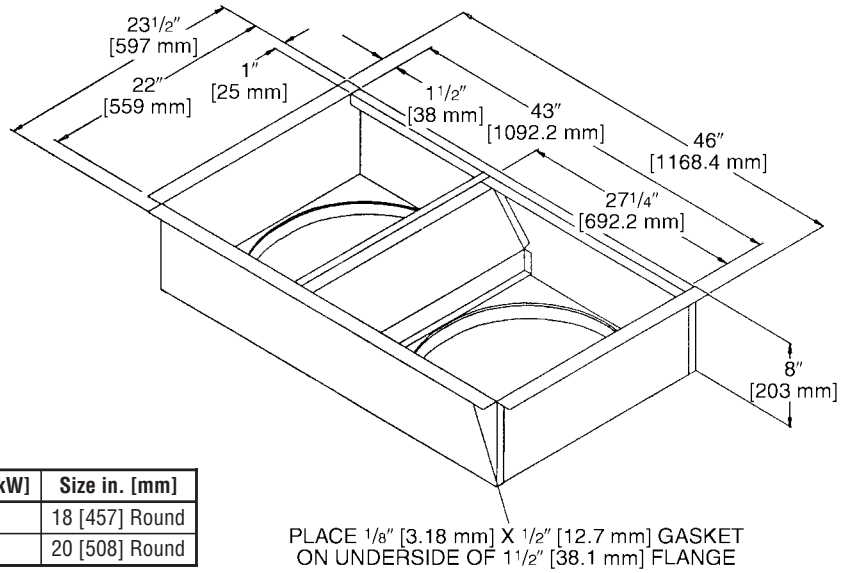
FRESH AIR DAMPER

SKKL 6 Ton [21.1 kW] Models
RXRF-FCA1 (Manual)
RXRF-FCB1 (Motorized)

[ ] Designates Metric Conversions



DUCT ADAPTERS (SKKL 6 Ton [21.1 kW] Models)
Rectangular to Round Transitions (Downflow)
RXMC-CC04 20" [508 mm] Round



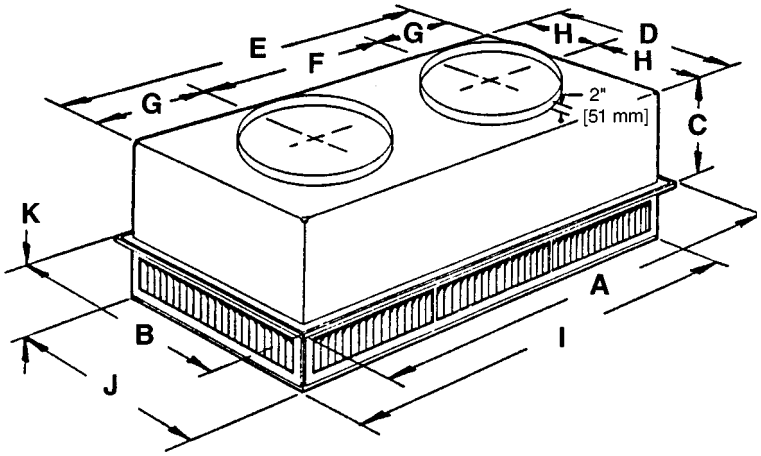
Accessory Model No.	Model Application Tons [kW]	Size in. [mm]
RXMC-CB03	3-5 [10.6-17.6]	18 [457] Round
RXMC-CC04	6 [21.1]	20 [508] Round

[ ] Designates Metric Conversions

SIDE DISCHARGE CONCENTRIC DIFFUSER

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-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

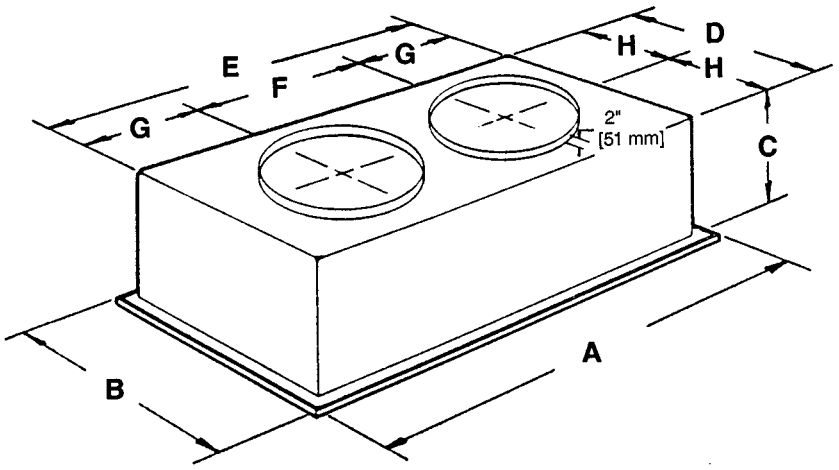
Model No.	CFM [L/s]	Static Pressure	Throw Feet	Neck Vel.	Jet Vel.	Noise Level
RXRN-FA65	2600 [1227]	.17	24-29	669	669	20
	2800 [1321]	.20	25-30	720	720	25
	3000 [1416]	.25	27-33	772	772	25
	3200 [1510]	.31	28-35	823	823	25
	3400 [1605]	.37	30-37	874	874	30

[ ] Designates Metric Conversions

FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA75 (6 Ton [21.1 kW] Model)

For Use With Duct Adapter (RXMC)



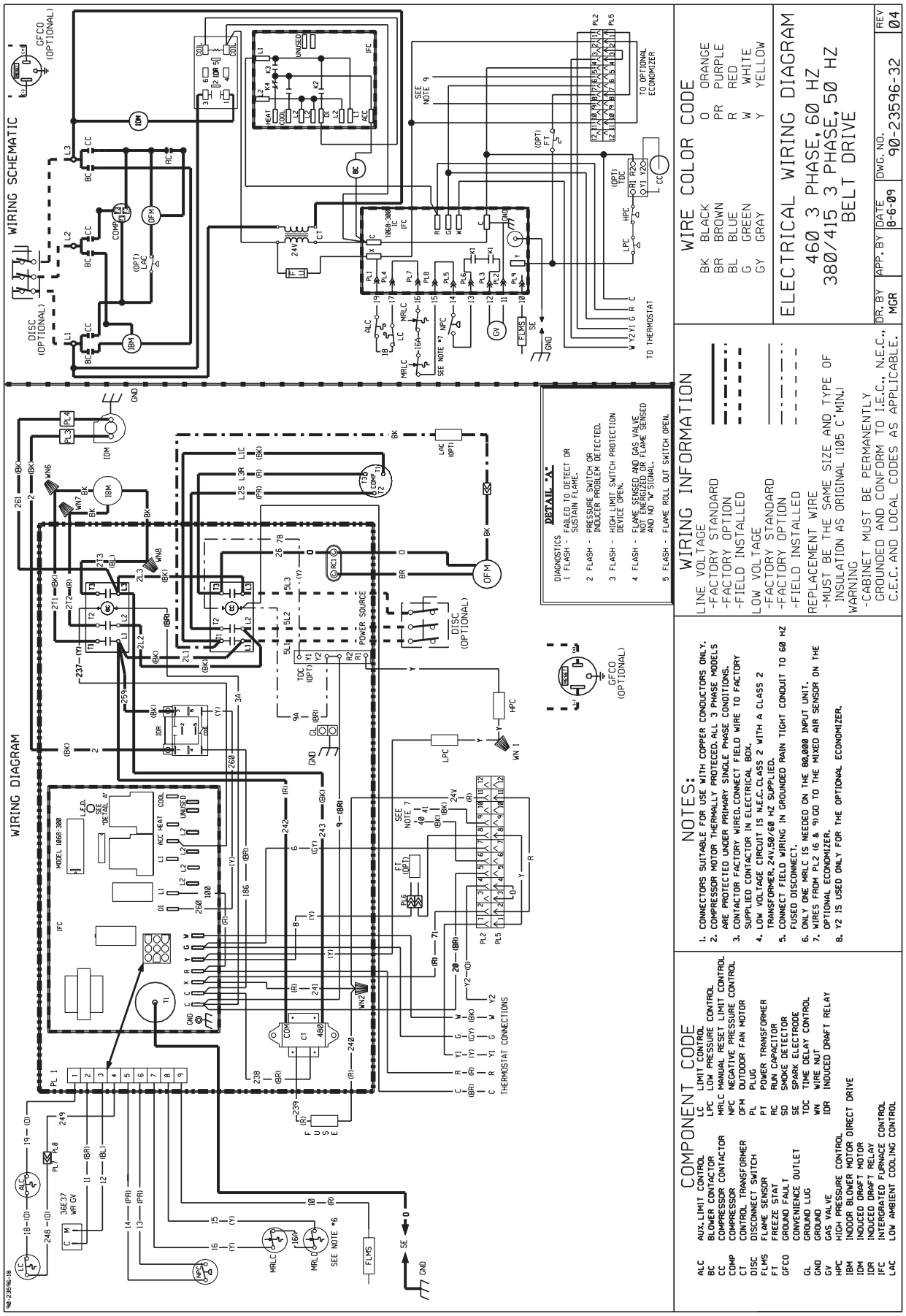
DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	Duct Size
RXRN-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-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



COMPONENT CODE

ALC	AUX.LIMIT CONTROL	LC	LIMIT CONTROL
BC	BLOWER CONTACTOR	LPC	LOW PRESSURE CONTROL
CC	COMPRESSOR CONTACTOR	MRLC	MANUAL RESET LIMIT CONTROL
COMP	COMPRESSOR	NPC	NEGATIVE PRESSURE CONTROL
CT	CONTROL TRANSFORMER	OFM	OUTDOOR FAN MOTOR
DISC	DISCONNECT SWITCH	PL	PLUG
FLMS	FLAME SENSOR	PT	POWER TRANSFORMER
FT	FREEZE STAT	RC	RUN CAPACITOR
GFCO	GROUND FAULT CONVENIENCE OUTLET	SD	SMOKE DETECTOR
		SE	SPARK ELECTRODE
GL	GROUND LUG	TDC	TIME DELAY CONTROL
GND	GROUND	WN	WIRE NUT
GV	GAS VALVE	IDR	INDUCED DRAFT RELAY
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR DIRECT DRIVE		
IDM	INDUCED DRAFT MOTOR		
IDR	INDUCED DRAFT RELAY		
IFC	INTERGRATED FURNACE CONTROL		
LAC	LOW AMBIENT COOLING CONTROL		

NOTES:

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

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

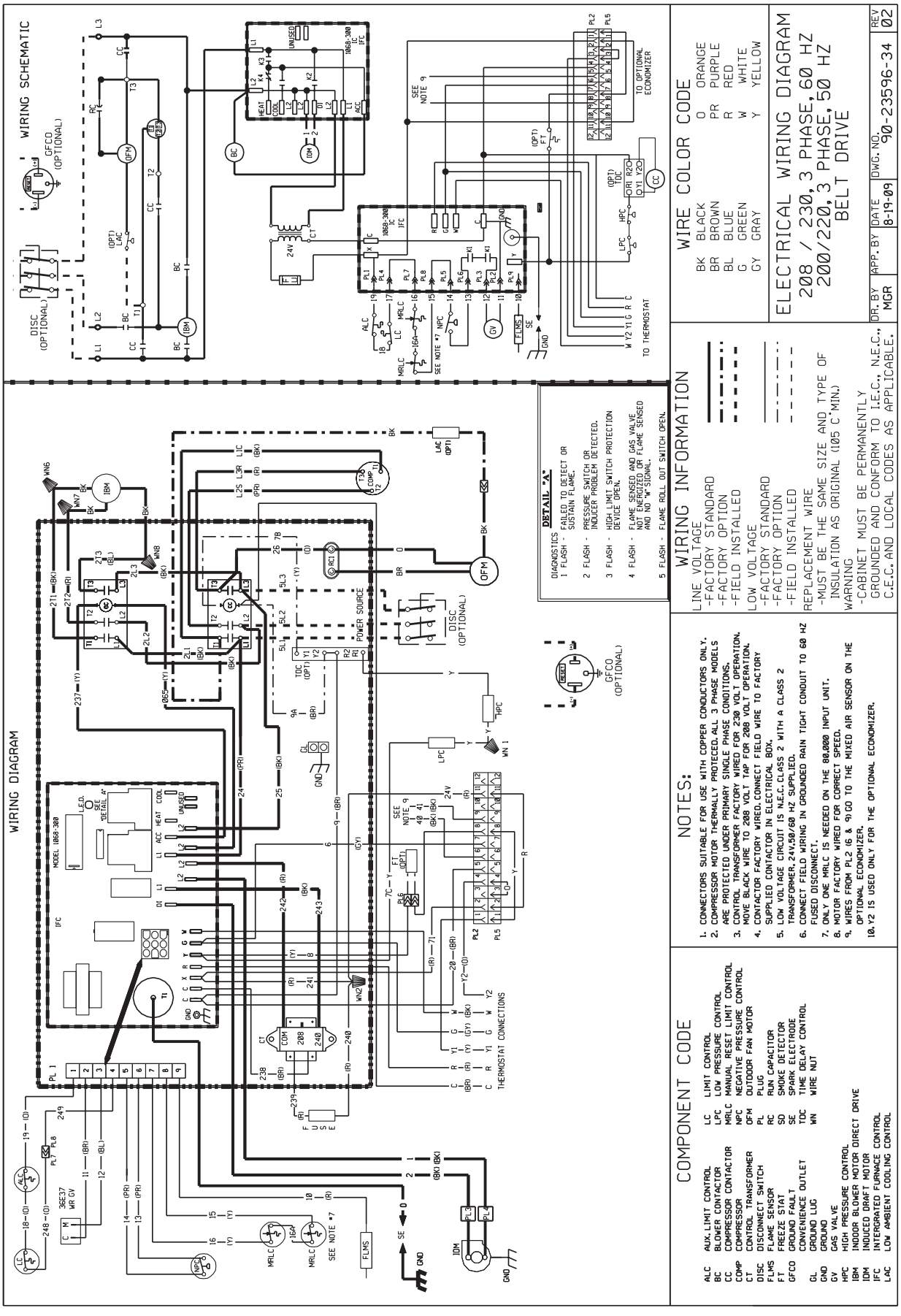
WIRE COLOR CODE

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

ELECTRICAL WIRING DIAGRAM

460 3 PHASE, 60 HZ
380/415 3 PHASE, 50 HZ
BELT DRIVE

DR. BY	APP. BY	DATE	DWG. NO.	REV
MGR		8-6-09	90-23596-32	04


WIRING SCHEMATIC
WIRING DIAGRAM
COMPONENT CODE
NOTES:
WIRING INFORMATION
WIRE COLOR CODE
ELECTRICAL WIRING DIAGRAM
208 / 230, 3 PHASE, 60 HZ
200/220, 3 PHASE, 50 HZ
BELT DRIVE
DR. BY MGR
APP. BY
DATE 8-19-09
DWG. NO. 90-23596-34
REV 02

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."

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FORM NO. EXR11-845 REV. 4

Supersedes Form No. EXR11-845 Rev. 3