PACKAGE AIR CONDITIONERS

FORM NO. EXA11-186

SSNM- HIGH EFFICIENCY – 50 Hz – EXPORT AIR CONDITIONER

NOMINAL SIZES 2, 3-6 TON [7, 10.6-21.1 kW]

R-410A Refrigerant

Accredited by the RvA

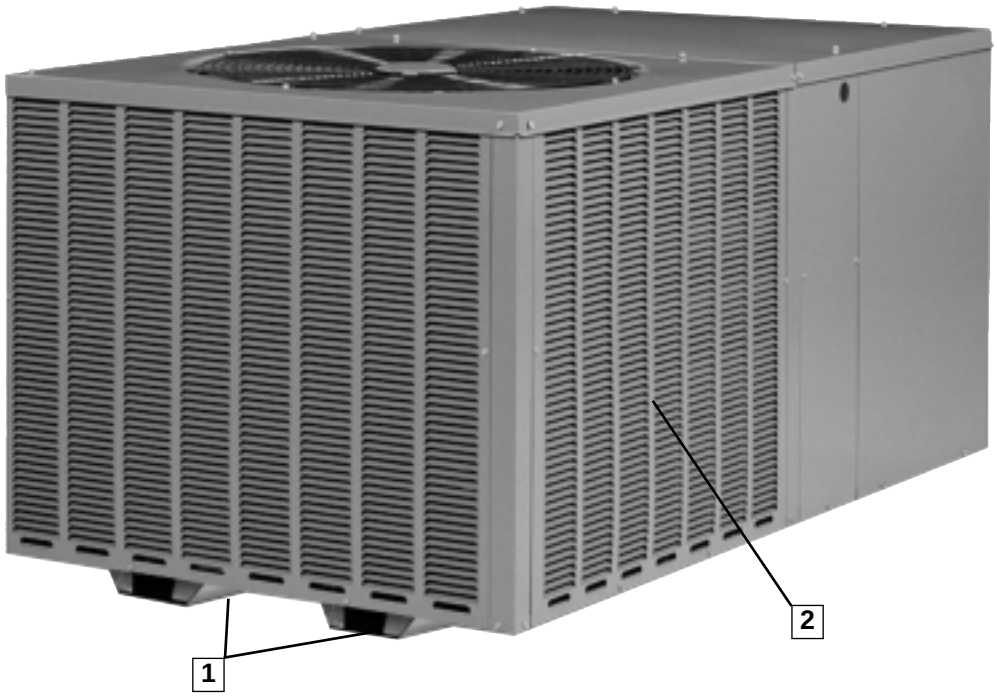
ABS Quality Evaluations, Inc. Management System Certification

ANAB ACCREDITED

ISO 9001:2008

Certificate Number: 30164

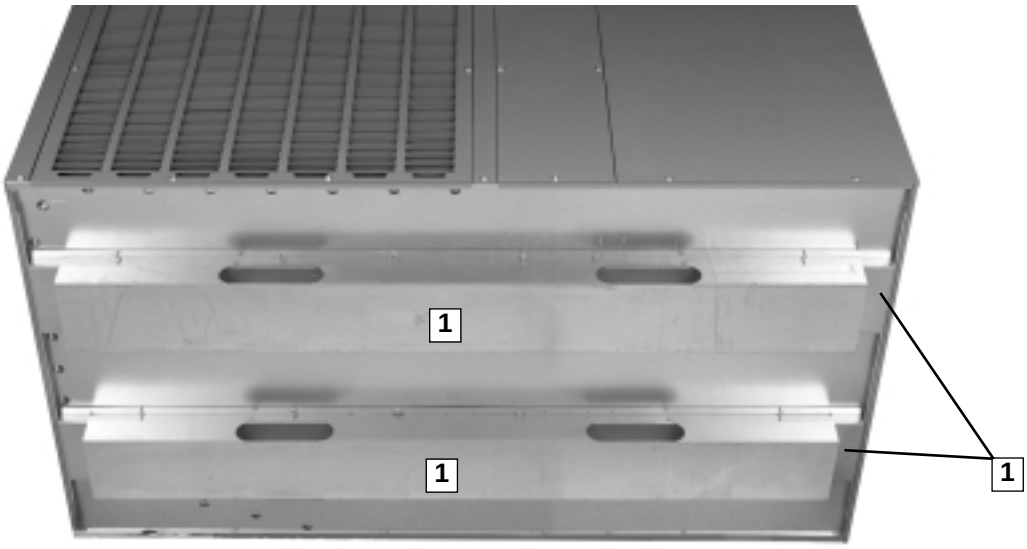
TABLE OF CONTENTS



The SSNM series of Package Air Conditioners is designed to be the most efficient, quickest to install, easiest to service, and most reliable units in the industry - while still maintaining an affordable price. This platform provides you with a full line of nominal capacities from 2 through 6 tons. SSNM Models are 13 SEER.

As with all units offered by Rheem, we started our design process with input from the customer. From fan grille to the base rails, Rheem has combined 30 years worth of package unit design experience with input from Dealers to meet the latest application requirements.

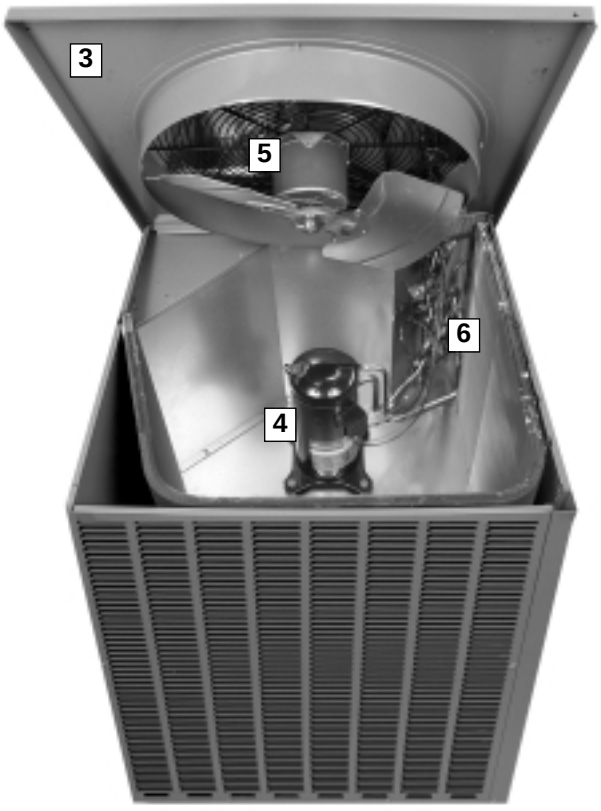
Starting at the bottom, the base rails **(1)** allow for separation between the unit base and the ground level, protecting the base from ground moisture and providing air circulation around the unit. Constructed from sturdy 14-gauge G-90 sheet metal, the base rails also allow for easier maneuverability during installation.

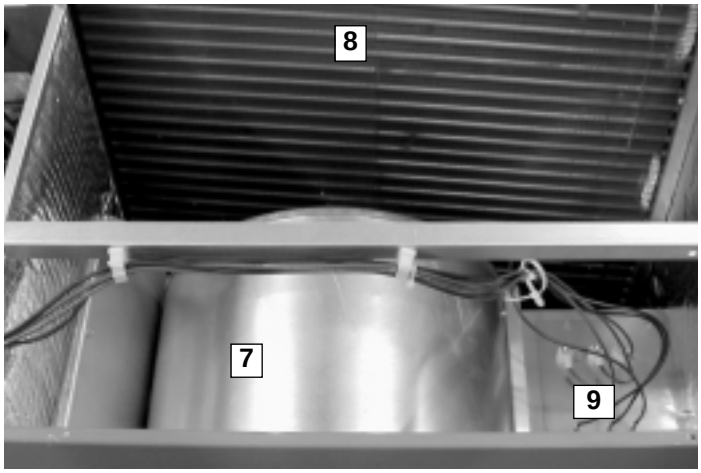


While other manufacturers have chosen to use pre-painted steel in their equipment, which exposes raw edges and invites rust and sharp edges, Rheem package equipment uses a powder-coat paint system, rated at 1000 hour salt spray per ASTM B117. The powder-coat process also greatly diminishes and dulls sharp edges, reducing the occurrence of cuts and torn clothes.

To provide flexibility in space-limited installations, the unit can be installed flush to the structure without blocking airflow over the outdoor coil or making any screws inaccessible for maintenance. Furthermore, the cabinet is a slim 33" wide. Full-louver coil protection **(2)** makes Rheem unique in the industry and also totally protects the outdoor coil from vandalism and weather extremes.

Keeping service technicians in mind, Rheem takes pride providing easy access to internal components. The outdoor-section top cover **(3)** is easily removed to allow access to the the scroll compressor **(4)**, outdoor fan motor **(5)**, and refrigerant tubing **(6)**.

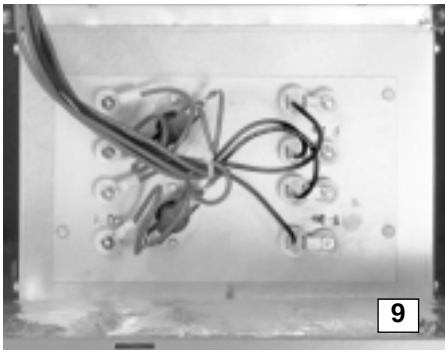




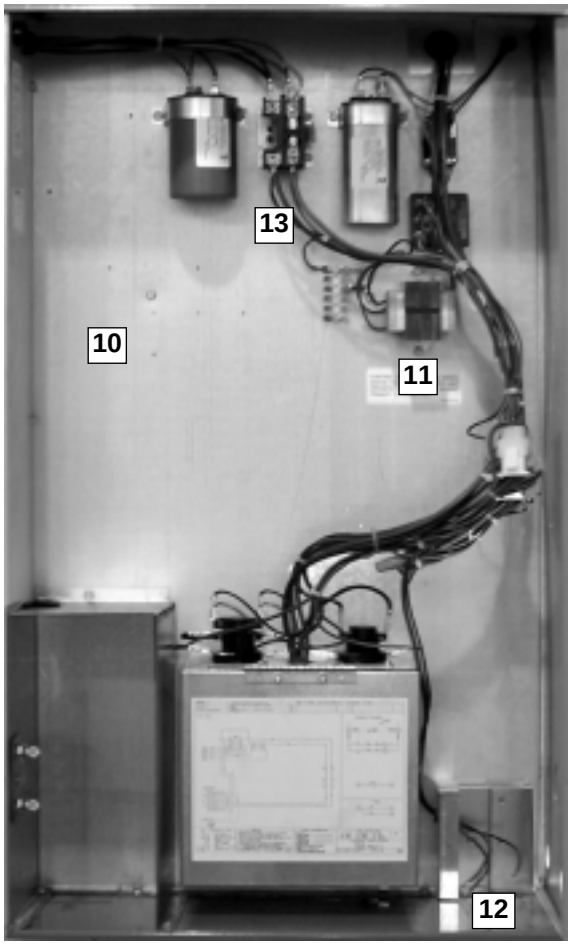
The indoor-section top cover also easily opens to access the removable blower housing and motor **(**7**)**. This also gains total access to the indoor coil for cleaning and service **(**8**)**.

The indoor motor and blower system will achieve nominal 400 CFM per ton up to a minimum of .8 inches of static pressure, which helps to eliminate customer dissatisfaction over poor airflow brought about by high-static duct designs.

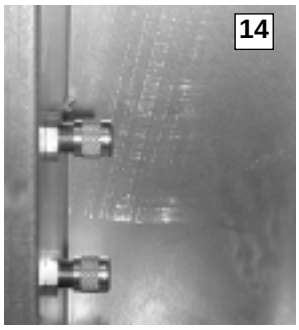
Optional electric heat **(**9**)** can be specified as factory installed, or can be easily installed in the field, with either dual- or single-point power connections.



The controls are located in a large, easy-to-access control box **(**10**)**, which provides plenty of space in which to troubleshoot. The transformer **(**11**)** is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short. The low-voltage **(**12**)** and high-voltage **(**13**)** wiring connections are easily accessed and have ample room around which to maneuver. Troubleshooting is further aided with number- and color-coded wiring, which corresponds with the large, easy-to-read wiring diagram located on the inside of the control box access panel.



High and low refrigerant pressure can easily and accurately be measured using the two gauge ports **(14)** located inside the control box.

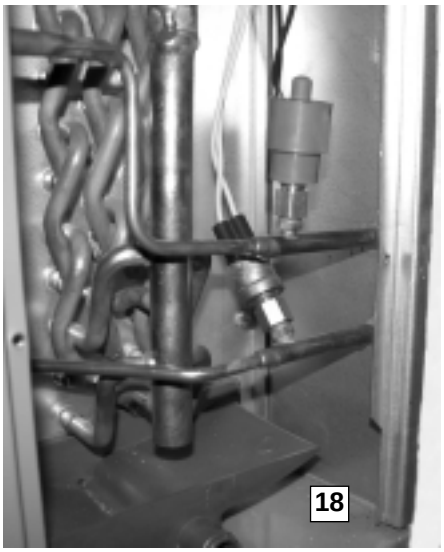


A small side panel grants access to a removable, sloped drain pan **(15)**, which helps to ensure indoor air quality (IAQ) throughout the life of the unit. A 3/4" drain trap **(16)** assembly is provided for convenience.

Foil-faced insulation is securely glued and captured to the cabinet. On the base of the unit, closed-cell insulation is used to prevent moisture from being absorbed and help reduce mold content to provide better indoor air quality.

For reliability and long-lasting operation, Rheem uses 100% scroll compressor technology **(17)** on all package platforms. With over 18 years of history, the scroll compressor has proven to be reliable, efficient, and quiet during operation.

High and low pressure controls are provided from factory **(18).**



S S N M — A 036 T K 010

- **010** — Heating Capacity (Factory Installed)
  - 000 = No Resistance Heat
  - 005 = 05 KW Resistance Heat
  - 007 = 07 KW Resistance Heat
  - 010 = 10 KW Resistance Heat
  - 015 = 15 KW Resistance Heat
  - 020 = 20 KW Resistance Heat
- **K** — Drive Package
  - K = Direct Drive
- **T** — Electrical Designation
  - T = 220-240V—1PH—50 Hz
  - N = 380-415V—3PH—50 Hz
- **036** — Nominal Cooling Capacity (BTUH) [kW]
  - 024 = 20,000 [5.36]
  - 036 = 30,000 [8.79]
  - 042 = 35,000 [10.26]
  - 048 = 40,000 [11.72]
  - 060 = 50,000 [14.65]
  - 072 = 60,000 [17.58]
- **A** — Future Technical Variations
- **M** — Design Series
  - M = Horizontal Discharge, R-410A
- **N** — Efficiency Designation
  - N = 13 SEER Super High Efficiency
- **S** — Product Classification
  - S = Package Air Conditioner
- **S** — Tradebrand
  - S = Rheem Export

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TON [7-17.6 kW]

Model SSNM- Series	A024TK	A036TK	A042NK	A048NK
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	22,000 [6.45]	32,400 [9.49]	37,600 [11.02]	42,000 [12.31]
EER/SEER	11.3/13	11.3/13	11.1/13	11.3/13
Nominal CFM/ARI Rated CFM [L/s]	665 [314]	1000 [472]	1165 [550]	1290 [609]
ARI Net Cooling Capacity Btu [kW]	21,000 [6.15]	31,000 [9.08]	36,000 [10.55]	40,000 [11.72]
Net Sensible Capacity Btu [kW]	16,200 [4.75]	23,800 [6.97]	27,400 [8.03]	30,900 [9.05]
Net Latent Capacity Btu [kW]	4,800 [1.41]	7,200 [2.11]	8,600 [2.52]	9,100 [2.67]
Net System Power kW	1.86	2.74	3.24	3.54
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	76	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]	10.44 [0.97]	12.65 [1.18]	12.65 [1.18]	16.54 [1.54]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	4.33 [0.4]	4.33 [0.4]	5.78 [0.54]	5.78 [0.54]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm][2]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2835 [1338]	2835 [1338]	2835 [1338]	3500 [1652]
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	729	729	729	895
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	1/4	1/2	1/2	3/4
Motor RPM (Nominal)	895	895	895	1075
Motor Frame Size	48	48	48	48
Filter—Type	Permanent	Permanent	Permanent	Permanent
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(1)1x25x23 [25x635x584]	(1)1x25x23 [25x635x584]	(1)1x25x23 [25x635x584]	(2)1x25x16 [25x635x406]
Refrigerant Charge Oz. [g]	70 [1984]	78 [2211]	86 [2438]	114 [3232]
Weights				
Net Weight lbs. [kg]	327 [148]	350 [159]	365 [166]	411 [186]
Ship Weight lbs. [kg]	351 [159]	374 [170]	389 [176]	437 [198]

See Page 10 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7-17.6 kW]

Model SSNM- Series	A048TK	A060NK	A072NK
Cooling Performance[1]			
Gross Cooling Capacity Btu [kW]	42,000 [12.31]	55,000 [16.11]	66,000 [19.34]
EER/SEER	11.3/13	11.3/13	10.65/12
Nominal CFM/ARI Rated CFM [L/s]	1290 [609]	1585 [748]	2200 [1038]
ARI Net Cooling Capacity Btu [kW]	40,000 [11.72]	52,000 [15.24]	63,500 [18.61]
Net Sensible Capacity Btu [kW]	30,900 [9.05]	39,000 [11.43]	46,500 [13.62]
Net Latent Capacity Btu [kW]	9,100 [2.67]	13,000 [3.81]	17,000 [4.98]
Net System Power kW	3.54	4.6	5.96
Compressor			
No./Type	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered
Tube Type	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]	16.54 [1.54]	16.54 [1.54]	16.54 [1.54]
Rows / FPI [FPcm]	1 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Indoor Coil—Fin 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]	5.78 [0.54]	5.78 [0.54]	5.78 [0.54]
Rows / FPI [FPcm]	3 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm][2]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	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]	3500 [1652]	3330 [1571]	3350 [1581]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	895	895	875
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x9 [279x229]	1/11x9 [279x229]	1/11x9 [279x229]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1
Motor HP	3/4	3/4	3/4
Motor RPM (Nominal)	895	895	895
Motor Frame Size	48	48	48
Filter—Type	Permanent	Permanent	Permanent
Furnished	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
Refrigerant Charge Oz. [g]	114 [3232]	178 [5046]	184 [5216]
Weights			
Net Weight lbs. [kg]	411 [186]	468 [212]	370 [168]
Ship Weight lbs. [kg]	437 [198]	494 [224]	504 [229]

See Page 10 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.
2. Standard 3/4" PVC P-Trap provided.
3. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—SSNM-A024

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]			800 [378]	665 [314]	530 [250]	800 [378]	665 [314]	530 [250]	800 [378]	665 [314]	530 [250]	
DR ①			.0	.0	0.02	.0	.0	0.02	.0	.0	0.02	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	27.6 [8.1]	26.7 [7.8]	25.7 [7.5]	25.6 [7.5]	24.7 [7.2]	23.8 [7.0]	24.0 [7.0]	23.2 [6.8]	22.3 [6.5]	
		Sens BTUH [kW]	16.5 [4.8]	14.2 [4.2]	11.9 [4.2]	20.5 [6.0]	17.8 [5.2]	15.3 [5.2]	23.0 [6.7]	20.2 [5.9]	17.5 [5.9]	
		Power	1.3	1.3	1.2	1.3	1.3	1.2	1.3	1.3	1.2	
	80 [26.7]	Total BTUH [kW]	27.0 [7.9]	26.0 [7.6]	25.1 [7.4]	25.0 [7.3]	24.1 [7.1]	23.2 [6.8]	23.4 [6.9]	22.6 [6.6]	21.7 [6.4]	
		Sens BTUH [kW]	16.5 [4.8]	14.1 [4.1]	11.9 [4.1]	20.5 [6.0]	17.8 [5.2]	15.3 [5.2]	23.0 [6.7]	20.2 [5.9]	17.5 [5.9]	
		Power	1.4	1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.3	
	85 [29.4]	Total BTUH [kW]	26.3 [7.7]	25.4 [7.4]	24.4 [7.1]	24.3 [7.1]	23.4 [6.9]	22.6 [6.6]	22.7 [6.7]	21.9 [6.4]	21.1 [6.2]	
		Sens BTUH [kW]	16.3 [4.8]	14.0 [4.1]	11.8 [4.1]	20.3 [5.9]	17.6 [5.2]	15.2 [5.2]	22.7 [6.7]	20.1 [5.9]	17.5 [5.9]	
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
	90 [32.2]	Total BTUH [kW]	25.6 [7.5]	24.6 [7.2]	23.7 [6.9]	23.5 [6.9]	22.7 [6.7]	21.9 [6.4]	22.0 [6.4]	21.2 [6.2]	20.4 [6.0]	
		Sens BTUH [kW]	16.1 [4.7]	13.7 [4.0]	11.6 [4.0]	19.9 [5.8]	17.4 [5.1]	15.0 [5.1]	22.0 [6.4]	19.9 [5.8]	17.3 [5.8]	
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	95 [35]	Total BTUH [kW]	24.7 [7.2]	23.9 [7.0]	23.0 [6.7]	22.7 [6.7]	21.9 [6.4]	21.1 [6.2]	21.1 [6.2]	20.4 [6.0]	19.6 [5.7]	
		Sens BTUH [kW]	15.7 [4.6]	13.5 [4.0]	11.4 [4.0]	19.6 [5.7]	17.1 [5.0]	14.8 [5.0]	21.1 [6.2]	19.5 [5.7]	16.9 [5.7]	
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	100 [37.8]	Total BTUH [kW]	23.9 [7.0]	23.0 [6.7]	22.2 [6.5]	21.8 [6.4]	21.1 [6.2]	20.3 [5.9]	20.3 [5.9]	19.5 [5.7]	18.8 [5.5]	
		Sens BTUH [kW]	15.2 [4.5]	13.0 [3.8]	11.0 [3.8]	19.0 [5.6]	16.7 [4.9]	14.4 [4.9]	20.3 [5.9]	19.0 [5.6]	16.6 [5.5]	
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	105 [40.6]	Total BTUH [kW]	22.9 [6.7]	22.1 [6.5]	21.3 [6.2]	20.9 [6.1]	20.2 [5.9]	19.4 [5.7]	19.3 [5.7]	18.6 [5.4]	17.9 [5.2]	
		Sens BTUH [kW]	14.6 [4.3]	12.5 [3.7]	10.6 [3.7]	18.5 [5.4]	16.2 [4.7]	13.9 [4.7]	19.3 [5.7]	18.5 [5.4]	16.1 [5.2]	
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	110 [43.3]	Total BTUH [kW]	21.9 [6.4]	21.1 [6.2]	20.3 [5.9]	19.9 [5.8]	19.2 [5.6]	18.5 [5.4]	18.3 [5.4]	17.7 [5.2]	17.0 [5.0]	
		Sens BTUH [kW]	13.8 [4.0]	11.8 [3.5]	10.0 [3.5]	17.7 [5.2]	15.5 [4.5]	13.4 [4.5]	18.3 [5.4]	17.7 [5.2]	15.6 [5.0]	
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	115 [46.1]	Total BTUH [kW]	20.8 [6.1]	20.1 [5.9]	19.4 [5.7]	18.8 [5.5]	18.2 [5.3]	17.5 [5.1]	17.2 [5.0]	16.6 [4.9]	16.0 [4.7]	
		Sens BTUH [kW]	12.9 [3.8]	11.1 [3.3]	?9.4 [3.3]	16.9 [5.0]	14.8 [4.3]	12.8 [4.3]	17.2 [5.0]	16.6 [4.9]	14.9 [4.7]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	120 [48.9]	Total BTUH [kW]	19.7 [5.8]	19.0 [5.6]	18.3 [5.4]	17.7 [5.2]	17.1 [5.0]	16.4 [4.8]	16.1 [4.7]	15.5 [4.5]	15.0 [4.4]	
		Sens BTUH [kW]	12.0 [3.5]	10.3 [3.0]	?8.7 [3.0]	16.0 [4.7]	14.0 [4.1]	12.0 [4.1]	16.1 [4.7]	15.5 [4.5]	14.3 [4.4]	
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—SSNM-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]			1200 [566]	1000 [472]	800 [378]	1200 [566]	1000 [472]	800 [378]	1200 [566]	1000 [472]	800 [378]	
DR ①			0	.01	.05	0	.01	.05	0	.01	.05	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	40.6 [11.9]	39.2 [11.5]	37.8 [11.1]	38.0 [11.1]	36.7 [10.8]	35.3 [10.3]	35.2 [10.3]	34.0 [10.0]	32.8 [9.6]	
		Sens BTUH [kW]	24.5 [7.2]	21.0 [6.2]	17.8 [6.2]	30.6 [9.0]	26.7 [7.8]	22.9 [7.8]	34.0 [10.0]	29.9 [8.8]	26.0 [8.8]	
		Power	1.9	1.9	1.8	1.9	1.9	1.8	1.9	1.8	1.8	
	80 [26.7]	Total BTUH [kW]	39.6 [11.6]	38.2 [11.2]	36.8 [10.8]	37.0 [10.8]	35.7 [10.5]	34.4 [10.1]	34.2 [10.0]	33.0 [9.7]	31.8 [9.3]	
		Sens BTUH [kW]	24.3 [7.1]	20.8 [6.1]	17.6 [6.1]	30.4 [8.9]	26.5 [7.8]	22.8 [7.8]	33.7 [9.9]	29.6 [8.7]	25.7 [8.7]	
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	1.9	1.9	
	85 [29.4]	Total BTUH [kW]	38.5 [11.3]	37.1 [10.9]	35.8 [10.5]	35.9 [10.5]	34.6 [10.1]	33.4 [9.8]	33.1 [9.7]	31.9 [9.3]	30.8 [9.0]	
		Sens BTUH [kW]	23.8 [7.0]	20.4 [6.0]	17.3 [6.0]	30.0 [8.8]	26.1 [7.6]	22.6 [7.6]	33.1 [9.7]	29.2 [8.6]	25.5 [8.6]	
		Power	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.0	
	90 [32.2]	Total BTUH [kW]	37.3 [10.9]	36.0 [10.5]	34.7 [10.2]	34.7 [10.2]	33.5 [9.8]	32.3 [9.5]	32.0 [9.4]	30.8 [9.0]	29.7 [8.7]	
		Sens BTUH [kW]	23.3 [6.8]	20.0 [5.9]	17.0 [5.9]	29.4 [8.6]	25.7 [7.5]	22.2 [7.5]	32.0 [9.4]	28.8 [8.4]	25.1 [8.4]	
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	95 [35]	Total BTUH [kW]	36.2 [10.6]	34.9 [10.2]	33.6 [9.8]	33.5 [9.8]	32.4 [9.5]	31.2 [9.1]	30.8 [9.0]	29.7 [8.7]	28.6 [8.4]	
		Sens BTUH [kW]	22.7 [6.7]	19.5 [5.7]	16.5 [5.7]	28.8 [8.4]	25.2 [7.4]	21.8 [7.4]	30.8 [9.0]	28.3 [8.3]	24.7 [8.3]	
		Power	2.4	2.4	2.3	2.4	2.3	2.3	2.4	2.3	2.3	
	100 [37.8]	Total BTUH [kW]	34.9 [10.2]	33.7 [9.9]	32.5 [9.5]	32.3 [9.5]	31.2 [9.1]	30.0 [8.8]	29.5 [8.6]	28.5 [8.4]	27.5 [8.1]	
		Sens BTUH [kW]	22.0 [6.4]	18.9 [5.5]	16.0 [5.5]	28.1 [8.2]	24.6 [7.2]	21.2 [7.2]	29.5 [8.6]	27.7 [8.1]	24.2 [8.1]	
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	
	105 [40.6]	Total BTUH [kW]	33.6 [9.8]	32.5 [9.5]	31.3 [9.2]	31.0 [9.1]	29.9 [8.8]	28.8 [8.4]	28.2 [8.3]	27.2 [8.0]	26.3 [7.7]	
		Sens BTUH [kW]	21.2 [6.2]	18.3 [5.4]	15.5 [5.4]	27.3 [8.0]	23.9 [7.0]	20.7 [7.0]	28.2 [8.3]	27.0 [7.9]	23.7 [7.7]	
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.7	2.6	2.6	
	110 [43.3]	Total BTUH [kW]	32.3 [9.5]	31.2 [9.1]	30.0 [8.8]	29.7 [8.7]	28.6 [8.4]	27.6 [8.1]	26.9 [7.9]	26.0 [7.6]	25.0 [7.3]	
		Sens BTUH [kW]	20.3 [5.9]	17.5 [5.1]	14.8 [5.1]	26.5 [7.8]	23.1 [6.8]	20.0 [6.8]	26.9 [7.9]	26.0 [7.6]	22.9 [7.3]	
		Power	2.9	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7	
	115 [46.1]	Total BTUH [kW]	30.9 [9.1]	29.8 [8.7]	28.8 [8.4]	28.3 [8.3]	27.3 [8.0]	26.3 [7.7]	25.5 [7.5]	24.6 [7.2]	23.7 [6.9]	
		Sens BTUH [kW]	19.4 [5.7]	16.6 [4.9]	14.1 [4.9]	25.5 [7.5]	22.3 [6.5]	19.3 [6.5]	25.5 [7.5]	24.6 [7.2]	22.2 [6.9]	
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	2.9	2.9	
	120 [48.9]	Total BTUH [kW]	29.5 [8.6]	28.5 [8.4]	27.4 [8.0]	26.9 [7.9]	25.9 [7.6]	25.0 [7.3]	24.1 [7.1]	23.3 [6.8]	22.4 [6.6]	
		Sens BTUH [kW]	18.3 [5.4]	15.7 [4.6]	13.2 [4.6]	24.4 [7.1]	21.3 [6.2]	18.5 [6.2]	24.1 [7.1]	23.3 [6.8]	21.5 [6.6]	
		Power	3.2	3.1	3.1	3.2	3.1	3.1	3.2	3.1	3.1	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—SSNM-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]			1400 [661]	1165 [550]	930 [439]	1400 [661]	1165 [550]	930 [439]	1400 [661]	1165 [550]	930 [439]	
DR ①			0	.03	.07	0	.03	.07	0	.03	.07	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	47.1 [13.8]	45.4 [13.3]	43.8 [12.8]	44.4 [13.0]	42.8 [12.5]	41.3 [12.1]	40.8 [12.0]	39.4 [11.5]	37.9 [11.1]	
		Sens BTUH [kW]	28.2 [8.3]	24.1 [7.1]	20.4 [7.1]	35.5 [10.4]	30.8 [9.0]	26.5 [9.0]	39.0 [11.4]	34.2 [10.0]	29.6 [10.0]	
		Power	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	
	80 [26.7]	Total BTUH [kW]	45.7 [13.4]	44.1 [12.9]	42.5 [12.5]	43.0 [12.6]	41.5 [12.2]	40.0 [11.7]	39.4 [11.5]	38.0 [11.1]	36.6 [10.7]	
		Sens BTUH [kW]	27.8 [8.1]	23.8 [7.0]	20.1 [7.0]	35.0 [10.3]	30.5 [8.9]	26.3 [8.9]	38.5 [11.3]	33.8 [9.9]	29.3 [9.9]	
		Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.2	
	85 [29.4]	Total BTUH [kW]	44.4 [13.0]	42.8 [12.5]	41.2 [12.1]	41.7 [12.2]	40.2 [11.8]	38.7 [11.3]	38.1 [11.2]	36.7 [10.8]	35.4 [10.4]	
		Sens BTUH [kW]	27.4 [8.0]	23.4 [6.9]	19.7 [6.9]	34.6 [10.1]	30.1 [8.8]	25.9 [8.8]	38.1 [11.2]	33.4 [9.8]	29.1 [9.8]	
		Power	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	
	90 [32.2]	Total BTUH [kW]	43.0 [12.6]	41.5 [12.2]	40.0 [11.7]	40.3 [11.8]	38.9 [11.4]	37.5 [11.0]	36.7 [10.8]	35.4 [10.4]	34.1 [10.0]	
		Sens BTUH [kW]	26.7 [7.8]	22.9 [6.7]	19.4 [6.7]	33.9 [9.9]	29.6 [8.7]	25.5 [8.7]	36.7 [10.8]	32.9 [9.6]	28.6 [9.6]	
		Power	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.5	
	95 [35]	Total BTUH [kW]	41.7 [12.2]	40.2 [11.8]	38.8 [11.4]	39.0 [11.4]	37.6 [11.0]	36.3 [10.6]	35.4 [10.4]	34.2 [10.0]	32.9 [9.6]	
		Sens BTUH [kW]	26.0 [7.6]	22.3 [6.5]	18.9 [6.5]	33.3 [9.8]	29.0 [8.5]	25.1 [8.5]	35.4 [10.4]	32.4 [9.5]	28.2 [9.5]	
		Power	2.8	2.8	2.7	2.8	2.8	2.7	2.8	2.7	2.7	
	100 [37.8]	Total BTUH [kW]	40.4 [11.8]	39.0 [11.4]	37.5 [11.0]	37.7 [11.0]	36.4 [10.7]	35.0 [10.3]	34.1 [10.0]	32.9 [9.6]	31.7 [9.3]	
		Sens BTUH [kW]	25.3 [7.4]	21.7 [6.4]	18.3 [6.4]	32.5 [9.5]	28.4 [8.3]	24.5 [8.3]	34.1 [10.0]	31.8 [9.3]	27.7 [9.3]	
		Power	3.0	3.0	2.9	3.0	2.9	2.9	3.0	2.9	2.9	
	105 [40.6]	Total BTUH [kW]	39.1 [11.5]	37.7 [11.0]	36.3 [10.6]	36.4 [10.7]	35.1 [10.3]	33.8 [9.9]	32.8 [9.6]	31.7 [9.3]	30.5 [8.9]	
		Sens BTUH [kW]	24.4 [7.1]	20.9 [6.1]	17.7 [6.1]	31.6 [9.3]	27.6 [8.1]	23.8 [8.1]	32.8 [9.6]	31.1 [9.1]	27.1 [8.9]	
		Power	3.2	3.2	3.1	3.2	3.1	3.1	3.2	3.1	3.1	
	110 [43.3]	Total BTUH [kW]	37.8 [11.1]	36.5 [10.7]	35.2 [10.3]	35.1 [10.3]	33.9 [9.9]	32.7 [9.6]	31.5 [9.2]	30.4 [8.9]	29.3 [8.6]	
		Sens BTUH [kW]	23.4 [6.9]	20.1 [5.9]	17.0 [5.9]	30.6 [9.0]	26.8 [7.9]	23.2 [7.9]	31.5 [9.2]	30.2 [8.8]	26.4 [8.6]	
		Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.3	
	115 [46.1]	Total BTUH [kW]	36.6 [10.7]	35.3 [10.3]	34.0 [10.0]	33.9 [9.9]	32.7 [9.6]	31.5 [9.2]	30.3 [8.9]	29.2 [8.6]	28.1 [8.2]	
		Sens BTUH [kW]	22.4 [6.6]	19.2 [5.6]	16.2 [5.6]	29.8 [8.7]	26.0 [7.6]	22.5 [7.6]	30.3 [8.9]	29.2 [8.6]	25.5 [8.2]	
		Power	3.6	3.6	3.5	3.6	3.6	3.5	3.6	3.5	3.5	
	120 [48.9]	Total BTUH [kW]	35.3 [10.3]	34.1 [10.0]	32.8 [9.6]	32.6 [9.6]	31.5 [9.2]	30.3 [8.9]	29.0 [8.5]	28.0 [8.2]	27.0 [7.9]	
		Sens BTUH [kW]	21.3 [6.2]	18.3 [5.4]	15.4 [5.4]	28.6 [8.4]	25.0 [7.3]	21.6 [7.3]	29.0 [8.5]	28.0 [8.2]	24.7 [7.9]	
		Power	3.9	3.8	3.7	3.9	3.8	3.7	3.8	3.8	3.7	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—SSNM-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]			1550 [831]	1290 [609]	1030 [486]	1550 [831]	1290 [609]	1030 [486]	1550 [831]	1290 [609]	1030 [486]
DR ①			.0	.0	.03	.25	.18	.19	.25	.18	.19
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	54.2 [15.9]	52.3 [15.3]	50.4 [14.8]	50.1 [14.7]	48.4 [14.2]	46.6 [13.7]	47.0 [13.8]	45.3 [13.3]	43.6 [12.8]
		Sens BTUH [kW]	32.4 [9.5]	27.7 [8.1]	23.4 [8.1]	40.3 [11.8]	35.1 [10.3]	30.2 [10.3]	45.6 [13.4]	40.0 [11.7]	34.7 [11.7]
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.4	2.3	2.3
	80 [26.7]	Total BTUH [kW]	52.5 [15.4]	50.6 [14.8]	48.8 [14.3]	48.4 [14.2]	46.7 [13.7]	45.0 [13.2]	45.2 [13.2]	43.6 [12.8]	42.0 [12.3]
		Sens BTUH [kW]	31.8 [9.3]	27.2 [8.0]	23.0 [8.0]	39.7 [11.6]	34.6 [10.1]	29.8 [10.1]	45.0 [13.2]	39.5 [11.6]	34.3 [11.6]
		Power	2.5	2.5	2.4	2.5	2.5	2.4	2.5	2.5	2.4
	85 [29.4]	Total BTUH [kW]	50.8 [14.9]	49.0 [14.4]	47.2 [13.8]	46.7 [13.7]	45.1 [13.2]	43.4 [12.7]	43.6 [12.8]	42.0 [12.3]	40.5 [11.9]
		Sens BTUH [kW]	31.2 [9.1]	26.7 [7.8]	22.6 [7.8]	39.1 [11.5]	34.1 [10.0]	29.4 [10.0]	43.6 [12.8]	39.0 [11.4]	34.0 [11.4]
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.7	2.6	2.6
	90 [32.2]	Total BTUH [kW]	49.2 [14.4]	47.4 [13.9]	45.7 [13.4]	45.1 [13.2]	43.5 [12.7]	41.9 [12.3]	41.9 [12.3]	40.4 [11.8]	39.0 [11.4]
		Sens BTUH [kW]	30.5 [8.9]	26.1 [7.6]	22.1 [7.6]	38.4 [11.3]	33.5 [9.8]	28.9 [9.8]	41.9 [12.3]	38.4 [11.3]	33.5 [11.3]
		Power	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7
	95 [35]	Total BTUH [kW]	47.6 [13.9]	45.9 [13.4]	44.2 [13.0]	43.5 [12.7]	41.9 [12.3]	40.4 [11.8]	40.3 [11.8]	38.9 [11.4]	37.5 [11.0]
		Sens BTUH [kW]	29.8 [8.7]	25.5 [7.5]	21.6 [7.5]	37.6 [11.0]	32.8 [9.6]	28.4 [9.6]	40.3 [11.8]	37.8 [11.1]	33.0 [11.0]
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	3.0	2.9
	100 [37.8]	Total BTUH [kW]	46.0 [13.5]	44.3 [13.0]	42.7 [12.5]	41.9 [12.3]	40.4 [11.8]	38.9 [11.4]	38.7 [11.3]	37.4 [11.0]	36.0 [10.5]
		Sens BTUH [kW]	28.9 [8.5]	24.7 [7.2]	20.9 [7.2]	36.8 [10.8]	32.1 [9.4]	27.7 [9.4]	38.7 [11.3]	37.0 [10.8]	32.3 [10.5]
		Power	3.2	3.2	3.1	3.2	3.1	3.1	3.2	3.1	3.1
	105 [40.6]	Total BTUH [kW]	44.4 [13.0]	42.8 [12.5]	41.3 [12.1]	40.3 [11.8]	38.9 [11.4]	37.5 [11.0]	37.2 [10.9]	35.9 [10.5]	34.5 [10.1]
		Sens BTUH [kW]	27.9 [8.2]	23.9 [7.0]	20.3 [7.0]	35.8 [10.5]	31.3 [9.2]	27.1 [9.2]	37.2 [10.9]	35.9 [10.5]	31.5 [10.1]
		Power	3.4	3.3	3.3	3.4	3.3	3.3	3.4	3.3	3.3
	110 [43.3]	Total BTUH [kW]	42.9 [12.6]	41.4 [12.1]	39.9 [11.7]	38.8 [11.4]	37.4 [11.0]	36.1 [10.6]	35.6 [10.4]	34.4 [10.1]	33.1 [9.7]
		Sens BTUH [kW]	26.8 [7.9]	23.0 [6.7]	19.5 [6.7]	34.7 [10.2]	30.3 [8.9]	26.3 [8.9]	35.6 [10.4]	34.4 [10.1]	30.8 [9.7]
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.5
	115 [46.1]	Total BTUH [kW]	41.4 [12.1]	39.9 [11.7]	38.5 [11.3]	37.3 [10.9]	36.0 [10.5]	34.7 [10.2]	34.1 [10.0]	32.9 [9.6]	31.7 [9.3]
		Sens BTUH [kW]	25.7 [7.5]	22.0 [6.4]	18.7 [6.4]	33.6 [9.8]	29.4 [8.6]	25.5 [8.6]	34.1 [10.0]	32.9 [9.6]	30.0 [9.3]
		Power	3.8	3.7	3.7	3.8	3.7	3.7	3.8	3.7	3.7
	120 [48.9]	Total BTUH [kW]	39.9 [11.7]	38.5 [11.3]	37.1 [10.9]	35.9 [10.5]	34.6 [10.1]	33.3 [9.8]	32.7 [9.6]	31.5 [9.2]	30.4 [8.9]
		Sens BTUH [kW]	24.5 [7.2]	21.0 [6.2]	17.8 [6.2]	32.5 [9.5]	28.4 [8.3]	24.6 [8.3]	32.7 [9.6]	31.5 [9.2]	29.1 [8.9]
		Power	4.0	4.0	3.9	4.0	4.0	3.9	4.0	4.0	3.9

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—SSNM-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]			1900 [897]	1585 [748]	1270 [599]	1900 [897]	1585 [748]	1270 [599]	1900 [897]	1585 [748]	1270 [599]	
DR ①			.0	.0	.03	.0	.0	.03	.0	.0	.03	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	68.8 [20.2]	66.4 [19.5]	64.0 [18.8]	65.5 [19.2]	63.2 [18.5]	60.9 [17.8]	62.9 [18.4]	60.7 [17.8]	58.5 [17.1]	
		Sens BTUH [kW]	43.3 [12.7]	37.2 [10.9]	31.6 [10.9]	52.2 [15.3]	45.5 [13.3]	39.2 [13.3]	59.2 [17.3]	52.0 [15.2]	45.2 [15.2]	
		Power	3.0	2.9	2.9	2.9	2.9	2.8	2.9	2.8	2.8	
	80 [26.7]	Total BTUH [kW]	66.6 [19.5]	64.3 [18.8]	61.9 [18.1]	63.3 [18.5]	61.1 [17.9]	58.9 [17.3]	60.7 [17.8]	58.6 [17.2]	56.5 [16.6]	
		Sens BTUH [kW]	42.3 [12.4]	36.4 [10.7]	30.8 [10.7]	51.3 [15.0]	44.7 [13.1]	38.6 [13.1]	58.1 [17.0]	51.1 [15.0]	44.5 [15.0]	
		Power	3.2	3.1	3.1	3.1	3.1	3.0	3.1	3.0	3.0	
	85 [29.4]	Total BTUH [kW]	64.4 [18.9]	62.2 [18.2]	59.9 [17.6]	61.2 [17.9]	59.0 [17.3]	56.9 [16.7]	58.5 [17.1]	56.5 [16.6]	54.4 [15.9]	
		Sens BTUH [kW]	41.2 [12.1]	35.5 [10.4]	30.1 [10.4]	50.3 [14.7]	43.8 [12.8]	37.8 [12.8]	57.0 [16.7]	50.2 [14.7]	43.6 [14.7]	
		Power	3.4	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.2	
	90 [32.2]	Total BTUH [kW]	62.3 [18.3]	60.1 [17.6]	57.9 [17.0]	59.0 [17.3]	56.9 [16.7]	54.9 [16.1]	56.4 [16.5]	54.4 [15.9]	52.5 [15.4]	
		Sens BTUH [kW]	40.1 [11.7]	34.5 [10.1]	29.3 [10.1]	49.2 [14.4]	42.9 [12.6]	37.1 [12.6]	56.1 [16.4]	49.3 [14.4]	43.0 [14.4]	
		Power	3.6	3.5	3.5	3.6	3.5	3.5	3.5	3.5	3.4	
	95 [35]	Total BTUH [kW]	60.1 [17.6]	58.0 [17.0]	55.9 [16.4]	56.9 [16.7]	54.9 [16.1]	52.9 [15.5]	54.3 [15.9]	52.4 [15.4]	50.5 [14.8]	
		Sens BTUH [kW]	38.8 [11.4]	33.4 [9.8]	28.4 [9.8]	48.0 [14.1]	41.9 [12.3]	36.2 [12.3]	54.3 [15.9]	48.3 [14.2]	42.1 [14.2]	
		Power	3.9	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7	
	100 [37.8]	Total BTUH [kW]	58.0 [17.0]	56.0 [16.4]	54.0 [15.8]	54.8 [16.1]	52.9 [15.5]	51.0 [14.9]	52.2 [15.3]	50.3 [14.7]	48.5 [14.2]	
		Sens BTUH [kW]	37.6 [11.0]	32.4 [9.5]	27.6 [9.5]	46.8 [13.7]	40.9 [12.0]	35.4 [12.0]	52.2 [15.3]	47.2 [13.8]	41.2 [13.8]	
		Power	4.1	4.0	4.0	4.1	4.0	3.9	4.0	4.0	3.9	
	105 [40.6]	Total BTUH [kW]	56.0 [16.4]	54.0 [15.8]	52.1 [15.3]	52.7 [15.4]	50.9 [14.9]	49.0 [14.4]	50.1 [14.7]	48.3 [14.2]	46.6 [13.7]	
		Sens BTUH [kW]	36.4 [10.7]	31.3 [9.2]	26.7 [9.2]	45.5 [13.3]	39.8 [11.7]	34.4 [11.7]	50.1 [14.7]	46.1 [13.5]	40.3 [13.5]	
		Power	4.4	4.3	4.2	4.3	4.3	4.2	4.3	4.2	4.2	
	110 [43.3]	Total BTUH [kW]	53.9 [15.8]	52.0 [15.2]	50.2 [14.7]	50.7 [14.9]	48.9 [14.3]	47.1 [13.8]	48.0 [14.1]	46.4 [13.6]	44.7 [13.1]	
		Sens BTUH [kW]	35.0 [10.3]	30.1 [8.8]	25.7 [8.8]	44.1 [12.9]	38.6 [11.3]	33.4 [11.3]	48.0 [14.1]	45.0 [13.2]	39.3 [13.1]	
		Power	4.7	4.6	4.5	4.6	4.5	4.5	4.6	4.5	4.4	
	115 [46.1]	Total BTUH [kW]	51.9 [15.2]	50.1 [14.7]	48.3 [14.2]	48.6 [14.2]	46.9 [13.7]	45.2 [13.2]	46.0 [13.5]	44.4 [13.0]	42.8 [12.5]	
		Sens BTUH [kW]	33.5 [9.8]	28.9 [8.5]	24.6 [8.5]	42.6 [12.5]	37.3 [10.9]	32.3 [10.9]	46.0 [13.5]	43.7 [12.8]	38.2 [12.5]	
		Power	4.9	4.9	4.8	4.9	4.8	4.7	4.9	4.8	4.7	
	120 [48.9]	Total BTUH [kW]	49.9 [14.6]	48.2 [14.1]	46.4 [13.6]	46.6 [13.7]	45.0 [13.2]	43.4 [12.7]	44.0 [12.9]	42.5 [12.5]	40.9 [12.0]	
		Sens BTUH [kW]	32.1 [9.4]	27.7 [8.1]	23.5 [8.1]	41.1 [12.0]	36.0 [10.5]	31.2 [10.5]	44.0 [12.9]	42.5 [12.5]	37.1 [12.0]	
		Power	5.3	5.2	5.1	5.2	5.1	5.0	5.2	5.1	5.0	

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

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

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

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—SSNM-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]			2420 [1142]	2200 [1038]	1870 [883]	2420 [1142]	2200 [1038]	1870 [883]	2420 [1142]	2200 [1038]	1870 [883]	
DR ①			.13	.15	.18	.13	.15	.18	.13	.15	.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	75.5 [22.1]	74.2 [21.7]	72.1 [21.1]	73.7 [21.6]	72.3 [21.2]	70.4 [20.6]	69.1 [20.2]	67.9 [19.9]	66.1 [19.4]	
		Sens BTUH [kW]	44.7 [13.1]	41.4 [12.1]	36.5 [12.1]	55.5 [16.3]	51.6 [15.1]	46.2 [15.1]	60.3 [17.7]	56.4 [16.5]	50.8 [16.5]	
		Power	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	
	80 [26.7]	Total BTUH [kW]	74.4 [21.8]	73.1 [21.4]	71.1 [20.8]	72.5 [21.2]	71.2 [20.9]	69.3 [20.3]	68.0 [19.9]	66.8 [19.6]	65.0 [19.0]	
		Sens BTUH [kW]	44.5 [13.0]	41.2 [12.1]	36.5 [12.1]	55.1 [16.1]	51.3 [15.0]	45.9 [15.0]	60.1 [17.6]	56.2 [16.5]	50.6 [16.5]	
		Power	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	
	85 [29.4]	Total BTUH [kW]	73.0 [21.4]	71.7 [21.0]	69.8 [20.5]	71.2 [20.9]	69.9 [20.5]	68.0 [19.9]	66.7 [19.5]	65.5 [19.2]	63.7 [18.7]	
		Sens BTUH [kW]	44.0 [12.9]	40.7 [11.9]	36.1 [11.9]	54.6 [16.0]	50.9 [14.9]	45.6 [14.9]	59.7 [17.5]	55.8 [16.3]	50.2 [16.3]	
		Power	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.4	
	90 [32.2]	Total BTUH [kW]	71.4 [20.9]	70.1 [20.5]	68.2 [20.0]	69.5 [20.4]	68.3 [20.0]	66.4 [19.5]	65.0 [19.0]	63.8 [18.7]	62.1 [18.2]	
		Sens BTUH [kW]	43.2 [12.7]	40.0 [11.7]	35.4 [11.7]	53.9 [15.8]	50.3 [14.7]	45.0 [14.7]	58.8 [17.2]	55.0 [16.1]	49.6 [16.1]	
		Power	5.0	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	
	95 [35]	Total BTUH [kW]	69.4 [20.3]	68.2 [20.0]	66.3 [19.4]	67.6 [19.8]	66.4 [19.5]	64.6 [18.9]	63.1 [18.5]	61.9 [18.1]	60.3 [17.7]	
		Sens BTUH [kW]	42.3 [12.4]	39.2 [11.5]	34.7 [11.5]	53.0 [15.5]	49.4 [14.5]	44.3 [14.5]	58.0 [17.0]	54.2 [15.9]	48.9 [15.9]	
		Power	5.3	5.2	5.1	5.2	5.1	5.1	5.1	5.0	5.0	
	100 [37.8]	Total BTUH [kW]	67.2 [19.7]	66.0 [19.3]	64.2 [18.8]	65.4 [19.2]	64.2 [18.8]	62.5 [18.3]	60.9 [17.8]	59.8 [17.5]	58.2 [17.1]	
		Sens BTUH [kW]	41.0 [12.0]	38.0 [11.1]	33.7 [11.1]	51.8 [15.2]	48.3 [14.2]	43.3 [14.2]	56.7 [16.6]	53.1 [15.6]	47.9 [15.6]	
		Power	5.5	5.5	5.4	5.4	5.4	5.3	5.4	5.3	5.2	
	105 [40.6]	Total BTUH [kW]	64.8 [19.0]	63.6 [18.6]	61.9 [18.1]	62.9 [18.4]	61.8 [18.1]	60.1 [17.6]	58.4 [17.1]	57.4 [16.8]	55.8 [16.3]	
		Sens BTUH [kW]	39.8 [11.7]	36.8 [10.8]	32.6 [10.8]	50.3 [14.7]	47.0 [13.8]	42.1 [13.8]	55.4 [16.2]	51.9 [15.2]	46.8 [15.2]	
		Power	5.8	5.8	5.7	5.8	5.7	5.6	5.7	5.6	5.5	
	110 [43.3]	Total BTUH [kW]	62.0 [18.2]	60.9 [17.8]	59.3 [17.4]	60.2 [17.6]	59.1 [17.3]	57.5 [16.8]	55.7 [16.3]	54.7 [16.0]	53.2 [15.6]	
		Sens BTUH [kW]	38.1 [11.2]	35.3 [10.3]	31.3 [10.3]	48.8 [14.3]	45.5 [13.3]	40.8 [13.3]	53.8 [15.8]	50.4 [14.8]	45.5 [14.8]	
		Power	6.2	6.1	6.0	6.1	6.0	5.9	6.0	5.9	5.8	
	115 [46.1]	Total BTUH [kW]	59.0 [17.3]	58.0 [17.0]	56.4 [16.5]	57.2 [16.8]	56.1 [16.4]	54.6 [16.0]	52.7 [15.4]	51.7 [15.1]	50.3?[14.7]	
		Sens BTUH [kW]	36.2 [10.6]	33.6? [9.8]	29.8? [9.8]	47.0 [13.8]	43.8 [12.8]	39.3 [12.8]	51.9 [15.2]	48.6 [14.2]	43.9?[14.2]	
		Power	6.5	6.4	6.3	6.4	6.3	6.3	6.3	6.2	6.2	
	120 [48.9]	Total BTUH [kW]	55.8 [16.3]	54.8 [16.1]	53.3 [15.6]	53.9 [15.8]	52.9 [15.5]	51.5 [15.1]	49.4 [14.5]	48.5 [14.2]	47.2 [13.8]	
		Sens BTUH [kW]	34.2 [10.0]	31.7 [9.3]	28.1 [9.3]	44.9 [13.2]	41.9 [12.3]	37.7 [12.3]	49.4 [14.5]	46.7 [13.7]	42.2 [13.7]	
		Power	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.5	

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

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

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	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 Volts									
						External Static Pressure—Inches W.C. [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]
2.0 [7.03]	Low	700/900 220-240 Volt	10x9 1/4 HP [186] 2 Speed Motor	Low	CFM	907 [428]	869 [410]	810 [382]	731 [345]	661 [312]	584 [276]	—	—	—	—
					RPM	564	641	711	773	815	845	—	—	—	—
					Watts	266	242	218	195	179	166	—	—	—	—
				High	CFM	1289 [608]	1216 [574]	1131 [534]	1036 [489]	916 [432]	781 [369]	642 [303]	—	—	—
					RPM	712	762	808	850	877	897	919	—	—	—
					Watts	405	369	333	297	276	258	233	—	—	—
3.0 [10.55]	Low	1050/1350 220-240 Volt	10x9 1/2 HP [373] 2 Speed Motor	Low	CFM	0	0	0	0	0	—	—	—	—	—
					RPM	721	765	801	829	867	—	—	—	—	—
					Watts	323	302	284	270	239	—	—	—	—	—
				High	CFM	0	0	0	0	0	0	0	—	—	—
					RPM	864	878	891	904	916	928	939	—	—	—
					Watts	570	543	516	489	474	463	446	—	—	—
3.5 [12.31]	Low	1225/1575 380-415 Volt	11x9 1/2 HP [373] 2 Speed Motor	Low	CFM	1161 [548]	1118 [528]	1060 [500]	989 [467]	—	—	—	—	—	—
					RPM	626	673	715	751	—	—	—	—	—	—
					Watts	394	370	345	319	—	—	—	—	—	—
				High	CFM	1471 [694]	1466 [692]	1398 [660]	1315 [621]	1200 [566]	1101 [520]	—	—	—	—
					RPM	738	763	793	827	844	860	—	—	—	—
					Watts	540	510	474	431	408	386	—	—	—	—
4.0 [14.07]	Low	1400/1800 220-240 Volt 380-415 Volt	11x9 3/4 HP [559] 2 Speed Motor	Low	CFM	1448 [683]	1434 [677]	1388 [655]	1311 [619]	1246 [588]	1161 [548]	1022 [482]	—	—	—
					RPM	695	724	754	785	809	833	861	—	—	—
					Watts	447	440	430	417	393	365	338	—	—	—
				High	CFM	1751 [826]	1701 [803]	1636 [772]	1556 [734]	1471 [694]	1374 [648]	1257 [593]	1131 [534]	—	—
					RPM	783	803	822	840	857	873	888	902	—	—
					Watts	580	565	546	523	503	480	450	419	—	—
5.0 [17.6]	Low	1750/2250 380-415 Volt	11x9 3/4 HP [559] 2 Speed Motor	Low	CFM	1802 [850]	1793 [846]	1767 [834]	1725 [814]	1618 [764]	1483 [700]	—	—	—	—
					RPM	732	776	804	817	858	895	—	—	—	—
					Watts	628	618	599	570	543	510	—	—	—	—
				High	CFM	2313 [1092]	2143 [1011]	2037 [961]	1951 [921]	1778 [839]	1695 [800]	1537 [725]	—	—	—
					RPM	851	862	865	880	884	899	906	—	—	—
					Watts	915	896	871	841	812	776	738	—	—	—
6.0 [21.1]	High	1750/2250 380-415 Volt	11x9 3/4 HP [559] 2 Speed Motor	Low	CFM	1802 [850]	1793 [846]	1767 [834]	1725 [814]	—	—	—	—	—	—
					RPM	732	776	804	817	—	—	—	—	—	—
					Watts	628	618	599	570	—	—	—	—	—	—
				High	CFM	2313 [1092]	2143 [1011]	2037 [961]	1951 [921]	1778 [839]	—	—	—	—	—
					RPM	851	862	865	880	884	—	—	—	—	—
					Watts	915	896	871	841	812	—	—	—	—	—

[ ] Designates Metric Conversions

ELECTRICAL DATA – SSNM SERIES								
		A024TK	A036TK	A042NK	A048NK	A048TK	A060NK	A072NK
Unit Information	Unit Operating Voltage Range	180-242	180-242	342-456	342-456	180-242	187-253	342-456
	Volts	220/240	220/240	380/415	380/415	220/240	380/415	380/415
	Minimum Circuit Ampacity	15/15	22/22	11/11	11/11	28/28	14/14	63/18
	Minimum Overcurrent Protection Device Size	17/17	30/30	15/15	15/15	35/35	20/20	25/25
	Maximum Overcurrent Protection Device Size	23/23	35/35	15/15	15/15	45/45	20/20	25/25
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	220/240	220/240	380/415	380/415	220/240	380/415	380/420
	Phase	1	1	3	3	1	3	3
	RPM	2874	2874	2874	2874	2875	2875	2874
	HP, Compressor 1	2	3	3 1/2	4	4	4 1/2	6
	Amps (RLA), Comp.1	9/9	13.5/13.5	6/6	6.1/6.1	17.9/17.9	7.8/7.8	11.3/11.3
	Amps (LRA), Comp. 1	52/52	67/67	46/46	115/115	97/97	51.5/51.5	75/75
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	220/240	220/240	380/415	390/415	220/240	380/415	380/415
	Phase	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	1.5/1.5	1.5/1.5	0.8/0.8	1/1	1.9/1.9	1/1	1/1
	Amps (LRA)	3/3	3/3	3/3	2.2/2.2	4/4	2.2/2.2	2.2/2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	220/240	220/240	380/415	208/230	200/240	380/415	380/415
	Phase	1	1	1	1	1	1	1
	HP	1/4	1/2	1/2	3/4	3/4	3/4	3/4
	Amps (FLA)	1.5/1.5	2.5/2.5	1.2/1.2	1.6/1.6	3.2/3.2	2.5/2.5	2.5/2.5
	Amps (LRA)	2.5/2.5	4.9/4.9	2.4/2.4	2.9/2.9	4.1/4.1	5/5	5/5

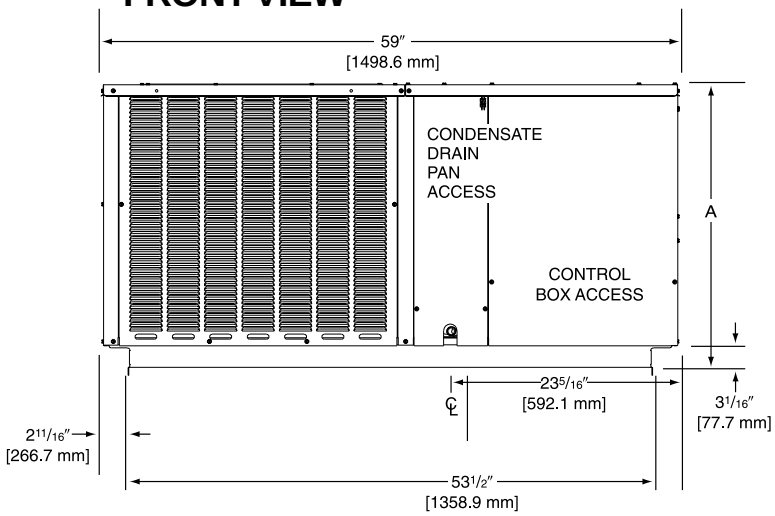
Unit Model Number SSNM-	Heater Kit Model No. RXQJ-	Heater Kw @ 380/415	Heater Kit FLA	Unit Min. Ckt. Ampacity	Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must Be HACR Type for USA)	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA)	Air Cond. Min. Ckt. Ampacity	Air Cond. Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA)
A042NK	NONE	—	—	11/11	15/15	—	—	11/11	15/15
A048NK	NONE	—	—	11/11	15/15	—	—	11/11	15/15
A060NK	NONE	—	—	14/14	20/20	—	—	14/14	20/20
A072NK	NONE	—	—	63/18	25/25	—	—	63/18	25/25

Unit Model Number SSNM-	Heater Kit Model No. RXQJ-	Heater Kw @ 220/240	Heater Kit FLA	Unit Min. Ckt. Ampacity	Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must Be HACR Type for USA)	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA)	Air Cond. Min. Ckt. Ampacity	Air Cond. Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA)
A024TK	NONE	—	—	17/17	25/25	—	—	17/17	25/25
	C05J	4/4.8	18.3/20	25/27	25/30	23/25	25/25	17/17	25/25
	C07J	6.1/7.2	27.5/30	37/40	40/40	35/38	35/40	17/17	25/25
	C10J	8.1/9.6	36.7/40	48/52	50/60	46/50	50/50	17/17	25/25
A036TK	NONE	—	—	22/22	35/35	—	—	22/22	35/35
	C05J	4/4.8	18.3/20	26/29	35/35	23/25	25/25	22/22	35/35
	C07J	6.1/7.2	27.5/30	38/41	40/45	35/38	35/40	22/22	35/35
	C10J	8.1/9.6	36.7/40	50/54	50/60	46/50	50/50	22/22	35/35
	C15J	12.1/14.4	55/60	72/79	80/80	69/75	70/80	22/22	35/35
A048TK	NONE	—	—	28/28	45/45	—	—	28/28	45/45
	C05J	4/4.8	18.3/20	28/29	45/45	23/25	25/25	28/28	45/45
	C07J	6.1/7.2	27.5/30	39/42	45/45	35/38	35/40	28/28	45/45
	C10J	8.1/9.6	36.7/40	50/54	50/60	46/50	50/50	28/28	45/45
	C15J	12.1/14.4	55/60	73/79	80/80	69/75	70/80	28/28	45/45
	C20J	16.1/19.2	73.3/80	96/104	100/110	92/100	100/100	28/28	45/45

DIMENSIONS

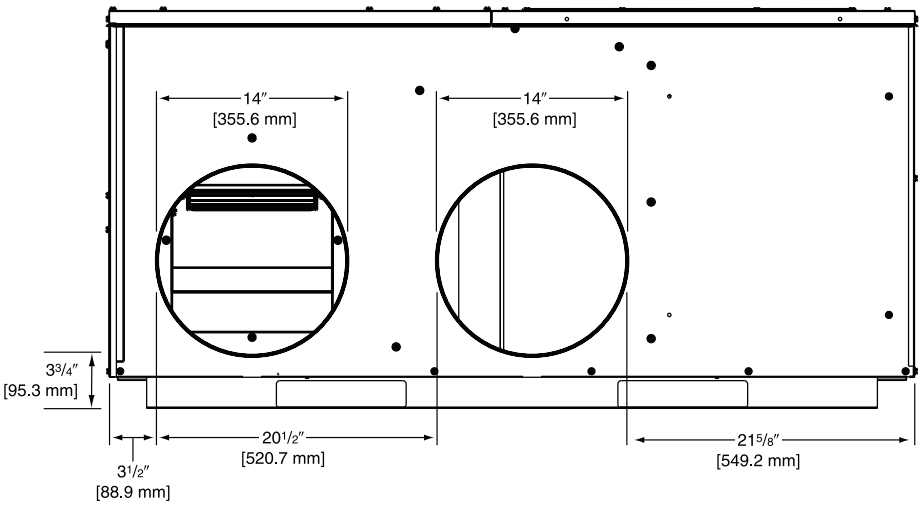
Model	Height "A"
024, 036, 042	29 1/8"
048, 060, 072	37 1/8"

FRONT VIEW

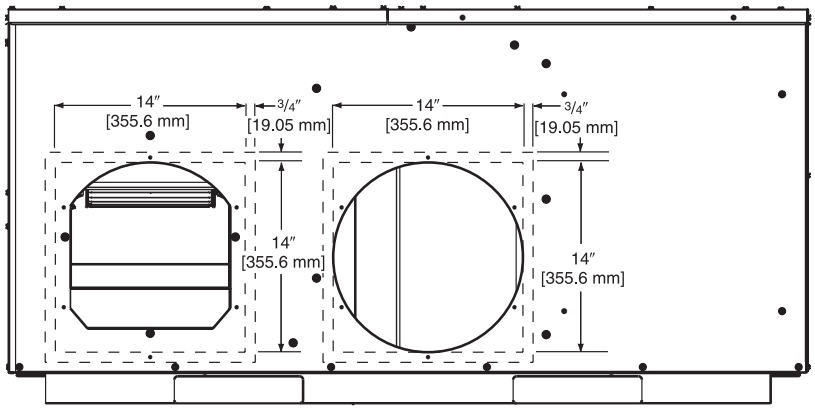


REAR VIEW

OPTION A



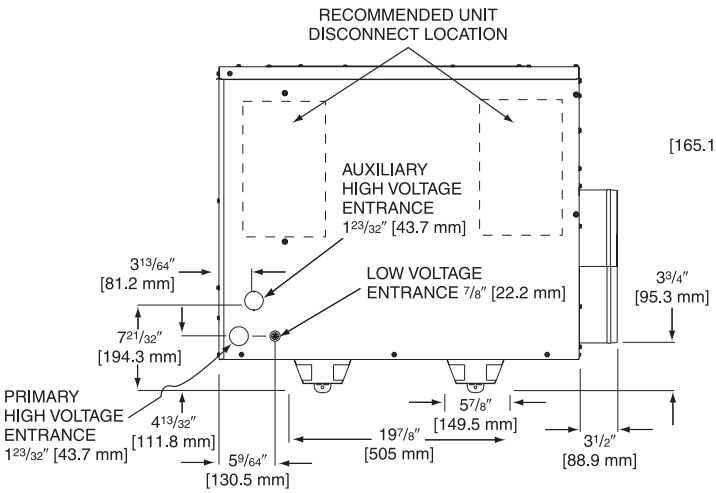
OPTION B



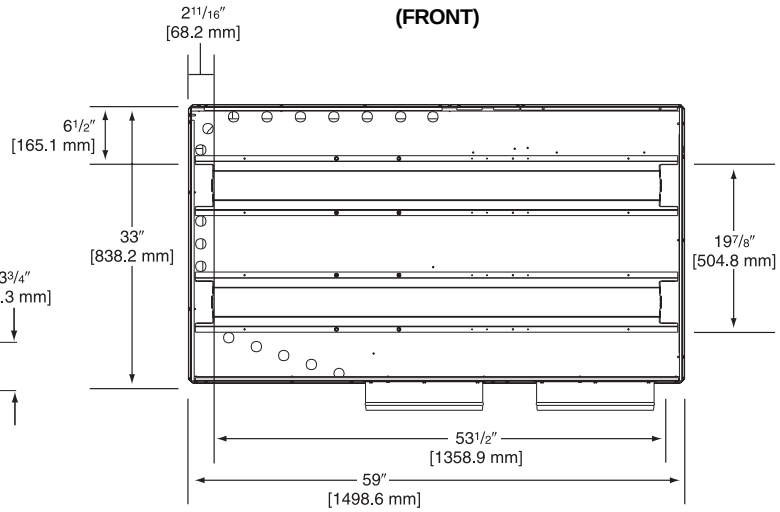
IMPORTANT: DO NOT SCREW OR DRILL OUTSIDE THE DESIGNATED AREAS.

[ ] Designates Metric Conversions

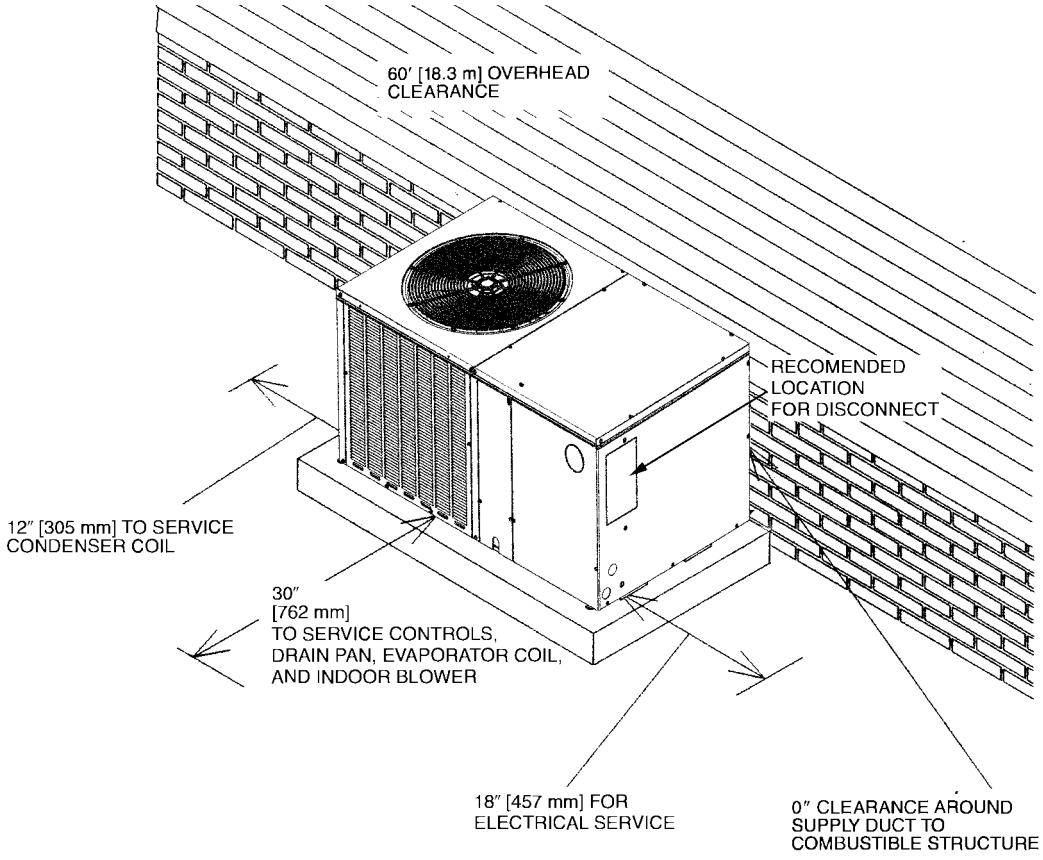
ELECTRICAL CONNECTIONS

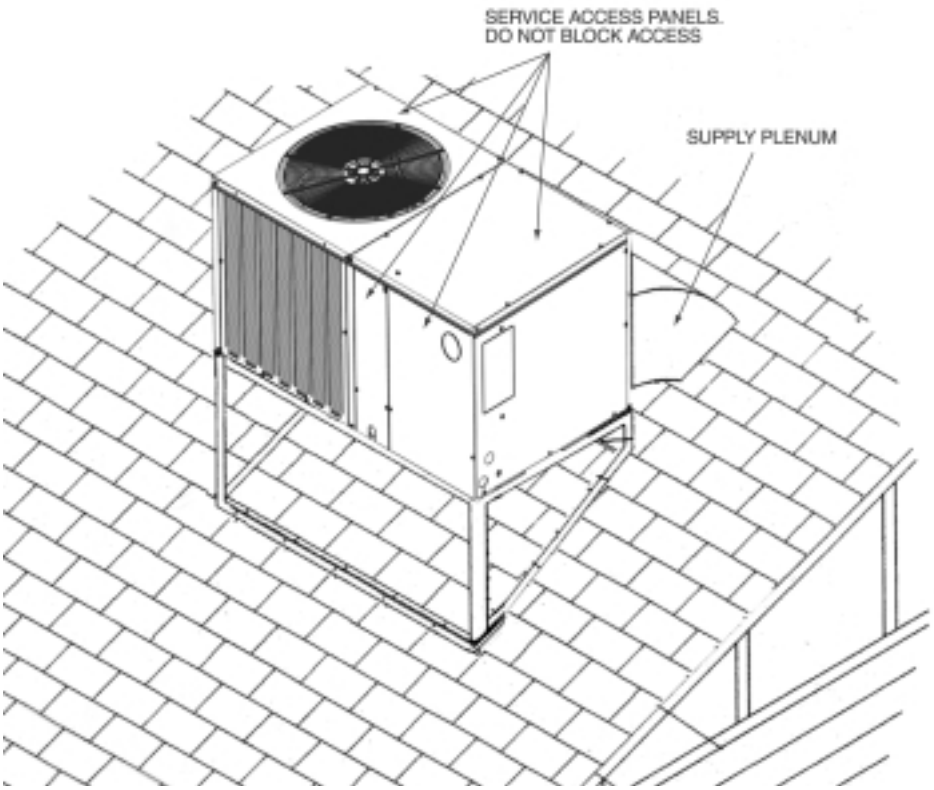


BOTTOM VIEW



[ ] Designates Metric Conversions

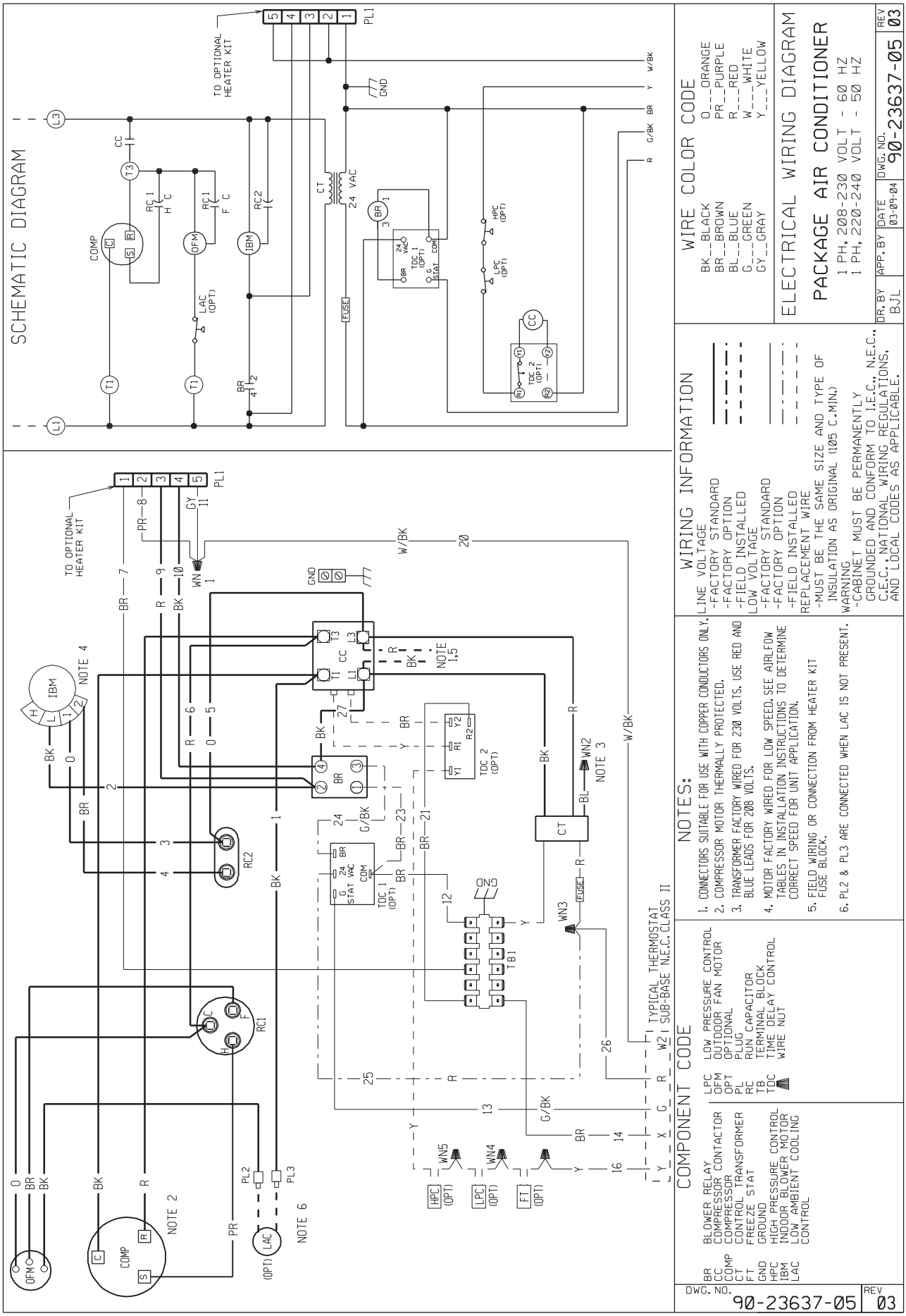


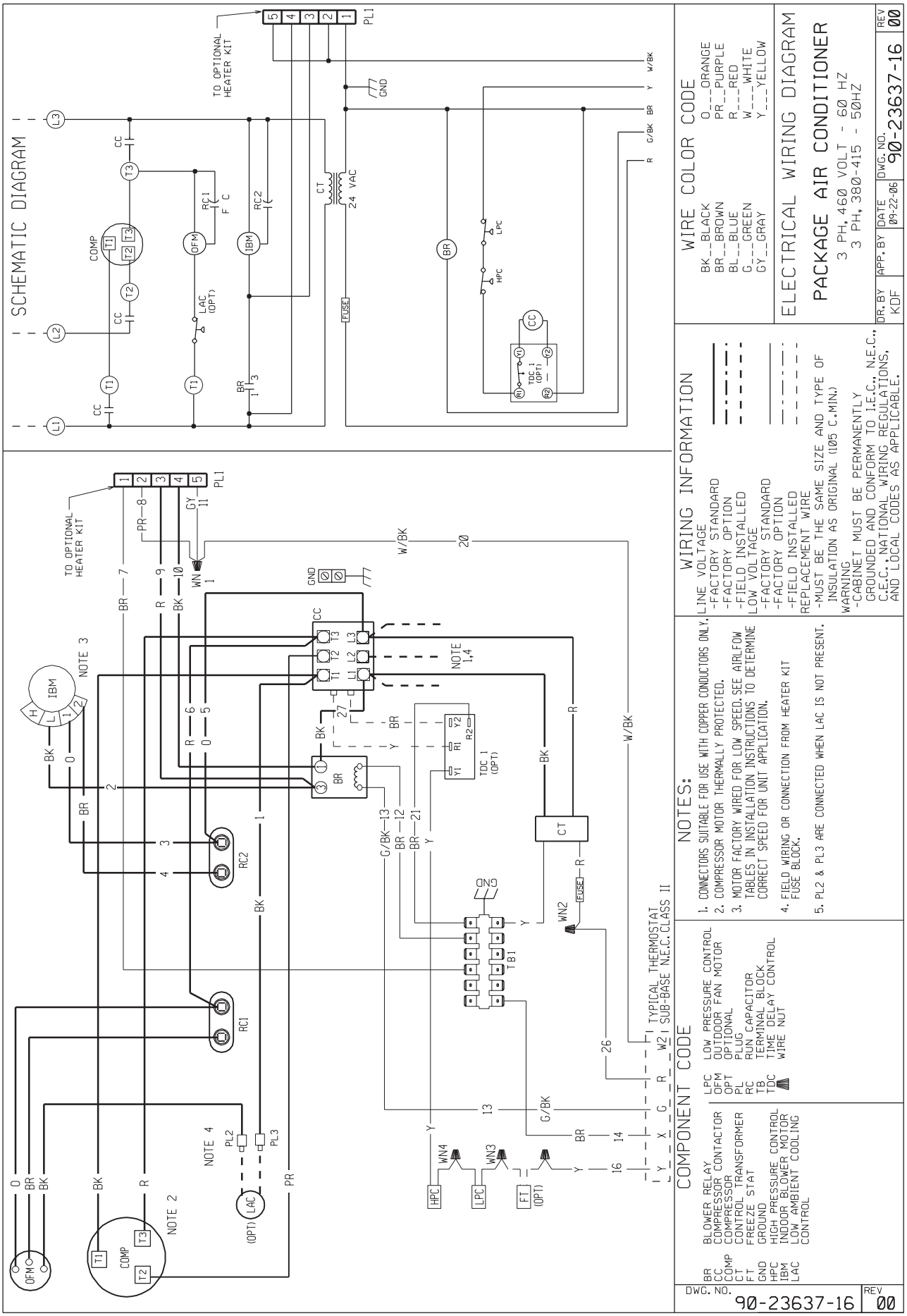


[ ] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Freeze Stat	—	RXRX-AM02
Low Ambient Control	—	RXRZ-A18


SCHEMATIC DIAGRAM
TO OPTIONAL HEATER KIT
PL1
GND
CC
RC1
RC2
CT
24 VAC
COMP
OFM
IBM
LAC (OPT)
FUSE
HPC (OPT)
LPC (OPT)
TDC 1 (OPT)
TDC 2 (OPT)
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
PACKAGE AIR CONDITIONER
1 PH, 208-230 VOLT - 60 HZ
1 PH, 220-240 VOLT - 50 HZ
DR. BY BJL
APP. BY
DATE 03-09-04
DWG. NO. 90-23637-05
REV 03
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.
3. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
4. MOTOR FACTORY WIRED FOR LOW SPEED. SEE AIRFLOW TABLES IN INSTALLATION INSTRUCTIONS TO DETERMINE CORRECT SPEED FOR UNIT APPLICATION.
5. FIELD WIRING OR CONNECTION FROM HEATER KIT FUSE BLOCK.
6. PL2 & PL3 ARE CONNECTED WHEN LAC IS NOT PRESENT.
TYPICAL THERMOSTAT SUB-BASE N.E.C. CLASS II
W2 G X Y
COMPONENT CODE
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FT FREEZE STAT
GND GROUND
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL
PL PLUG
RC RUN CAPACITOR
TB TERMINAL BLOCK
TDC TIME DELAY CONTROL
WIRE NUT
DWG. NO. 90-23637-05
REV 03


SCHEMATIC DIAGRAM
TO OPTIONAL HEATER KIT
PL1
GND
W/BK
Y
BR
G/BK
R
COMP
OFM
IBM
RC1
RC2
LAC (OPT)
CT
24 VAC
FUSE
LPC
HPC
TDC 1 (OPT1)
CC
WIRE COLOR CODE
BK__BLACK
BR__BROWN
BL__BLUE
G__GREEN
GY__GRAY
O__ORANGE
PR__PURPLE
R__RED
W__WHITE
Y__YELLOW
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.
ELECTRICAL WIRING DIAGRAM
PACKAGE AIR CONDITIONER
3 PH, 460 VOLT - 60 HZ
3 PH, 380-415 - 50HZ
DR. BY KDF
APP. BY
DATE 09-22-06
DWG. NO. 90-23637-16
REV 00
NOTES:
1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. MOTOR FACTORY WIRED FOR LOW SPEED. SEE AIRFLOW TABLES IN INSTALLATION INSTRUCTIONS TO DETERMINE CORRECT SPEED FOR UNIT APPLICATION.
4. FIELD WIRING OR CONNECTION FROM HEATER KIT FUSE BLOCK.
5. PL2 & PL3 ARE CONNECTED WHEN LAC IS NOT PRESENT.
COMPONENT CODE
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FT FREEZE STAT
GND GROUND
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
LAC LOW AMBIENT COOLING CONTROL
LPC LOW PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL
PL PLUG
RC RUN CAPACITOR
TB TERMINAL BLOCK
TDC TIME DELAY CONTROL
WIRE NUT
TYPICAL THERMOSTAT SUB-BASE N.E.C. CLASS II
Y X G R W2
TB1
WN1
WN2
WN3
WN4
NOTE 2
NOTE 3
NOTE 4
NOTE 1,4
DWG. NO. 90-23637-16
REV 00

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

Rheem Heating, Cooling and Water Heating

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

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

PRINTED IN U.S.A. 12-09 DC FORM NO. EXA11-186