



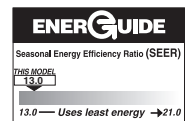
# PACKAGE HEAT PUMP UNITS

FORM NO. P11-763 REV. 2  
Supersedes Form No. P11-763 Rev. 1

## RJNA- HIGH EFFICIENCY SERIES NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]



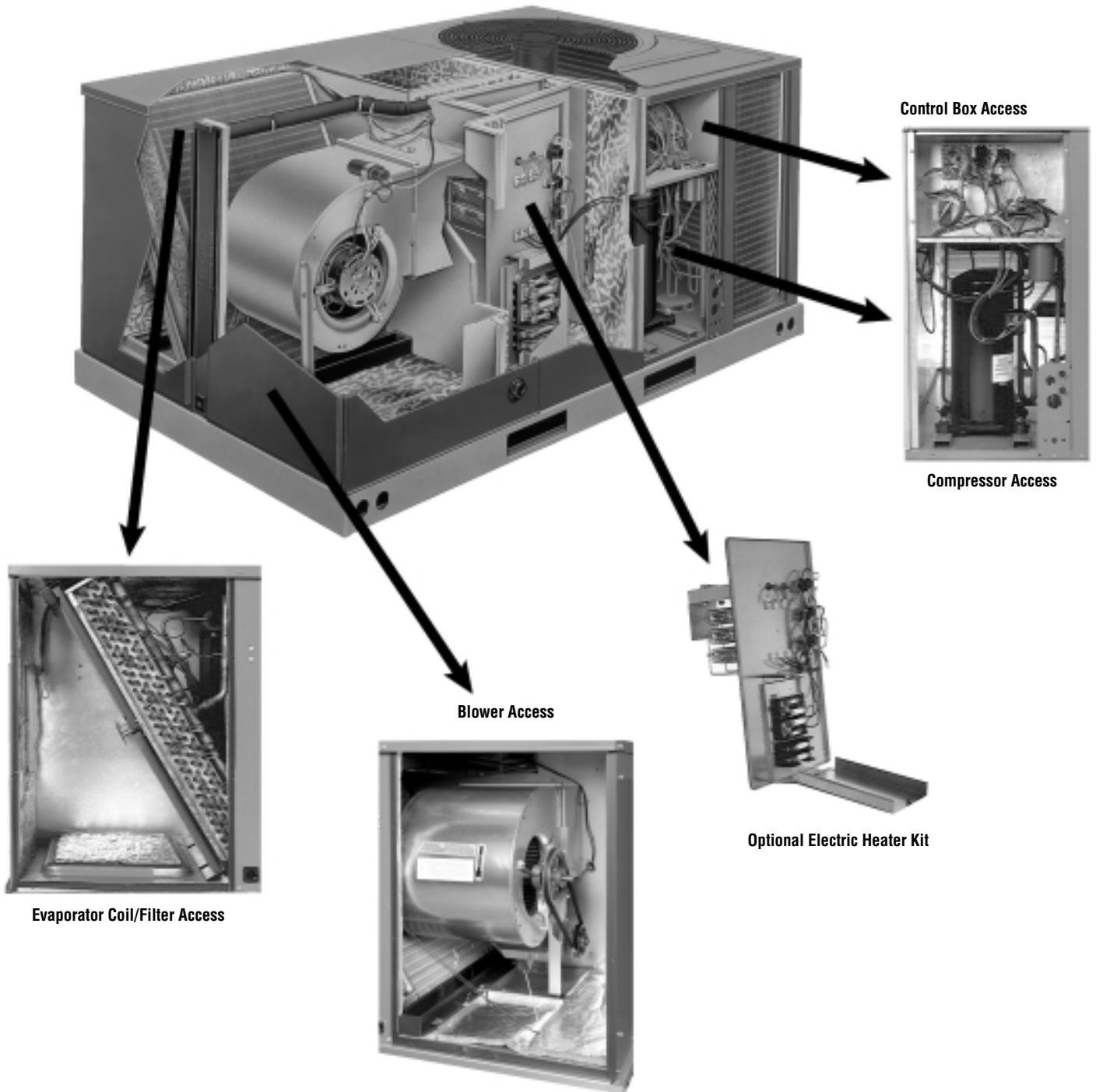
\*Unit shown with optional louver panels installed.





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



## ENGINEERING FEATURES

### RJNA- Series Package Heat Pumps

1. All models feature Scroll® compressors offering maximum reliability, efficiency, and quiet operation.
2. One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" [25.4 mm] raised flanges for supply/return air connections provides superior water management.
3. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements.
4. Standard full perimeter forkable baserail with lifting holes for easier maneuvering and installations.
5. Factory installed one-inch [25.4 mm] throw away filter with provisions for two-inch [50.8 mm] filter.
6. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches [37 kPa] of external static pressure.
7. Easily removable filter, blower, electric heat, and compressor/control access panels permits prompt service.
8. Number and color coded wiring helps facilitate service and maintenance.
9. Common cabinet and components allows for installation flexibility and fewer parts to inventory.
10. Standard high pressure control on all models.
11. Externally mounted refrigerant gauge ports for easy service diagnostics.
12. Side and base electric power entry helps minimize roof penetrations.
13. Quick assembly common roof curbs helps save field labor and maximize size flexibility.
14. Factory or field installed electric heat kits available up to 24 KW.
15. Easy to install plug-in, slip-in economizers; 100% fully modulating, single enthalpy.
16. Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test.

[ ] Designates Metric Conversions





# MODEL IDENTIFICATION—RJNA- SERIES



**R J N A — A 036 J K 000**

Electric Heat  
000 = No Resistance Heat  
010 = 10 kW Resistance Heat  
015 = 15 kW Resistance Heat  
020 = 20 kW Resistance Heat

Drive Package  
K = Direct Drive  
L = Belt Drive  
M = Belt Drive—High Static

Electrical Designation  
J = 208-230 V, 1 PH, 60 Hz  
C = 208-230 V, 3 PH, 60 Hz  
D = 460 V, 3 PH, 60 Hz

Nominal Cooling Capacity  
(BTUH) [kW]  
036 = 36,000 [10.55]  
042 = 42,000 [12.31]  
048 = 48,000 [14.07]  
060 = 60,000 [17.58]

Future Technical Variations

Design Series  
A = 1st Design

Efficiency Designation  
N = 13 SEER

Product Classification  
J = Package Heat Pump—  
Light Commercial

Tradebrand  
R = Rheem

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## FACTORY INSTALLED OPTION CODES FOR RJNA (3-5 Ton) [10.6-17.6 kW] (A036, A042, A048, A060)

Option Code	Hail Guard	Low Ambient	Side Flow	Reduced Height Baseraills
		Time Delay		
		Freeze Stat		
AA				No Options
AD	x			
AF		x		
AK			x	
AL				x
BD	x	x		
BS	x		x	
BX	x			x
CK	x	x	x	

Example: RJNA-A060CK000**XX** (where **XX** is factory installed option)

Example: No Options

RJNA-A060CK000

Example: No Options with Factory Installed Economizer

RJNA-A060CK000AAB

Example: Options with Hail Guard, Low Ambient, Time Delay and Freeze Stat with No Factory Installed Economizer

RJNA-A060CK000BDA

Example: Options same as above with Factory Installed Economizer

RJNA-A060CK000BDB

## ECONOMIZER SELECTION FOR RJNA-

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

"x" indicates factory installed option.

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

Model RJNA- Series	A036CK	A036CL	A036CM	A036DK
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	37,600 [11]
EER/SEER <sup>2</sup>	11.6/13	11.6/13	11.6/13	11.6/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
Net Sensible Capacity Btu [kW]	26,823 [7.9]	26,823 [7.9]	26,823 [7.9]	26,823 [7.9]
Net Latent Capacity Btu [kW]	9177 [2.7]	9177 [2.7]	9177 [2.7]	9177 [2.7]
Net System Power kW	3.1	3.1	3.1	3.1
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	35,600 [10.4]	35,600 [10.4]	35,600 [10.4]	35,600 [10.4]
System Power KW/COP	3.2/3.3	3.2/3.3	3.2/3.3	3.2/3.3
Low Temp. Btuh [kW] Rating	21,200 [6.2]	21,200 [6.2]	21,200 [6.2]	21,200 [6.2]
System Power KW/COP	3/2.08	3/2.08	3/2.08	3/2.08
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	83	83	83	83
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Belt/Variable	Belt/Variable	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	1/2	3/4	1/2
Motor RPM	1075	1725	1725	1075
Motor Frame Size	48	56	56	48
<b>Filter—Type</b>	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>	182 [5160]	182 [5160]	182 [5160]	182 [5160]
<b>Weights</b>				
Net Weight lbs. [kg]	517 [235]	517 [235]	517 [235]	517 [235]
Ship Weight lbs. [kg]	532 [241]	532 [241]	532 [241]	532 [241]

See Page 14 for Notes.

[ ] Designates Metric Conversions



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

Model RJNA- Series	A036DL	A036DM	A036JK	A042CK
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	37,600 [11]	37,600 [11]	37,600 [11]	42,500 [12.5]
EER/SEER <sup>2</sup>	11.6/13	11.6/13	11.6/13	11.8/13
Nominal CFM/ARI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	26,823 [7.9]	26,823 [7.9]	26,823 [7.9]	30,124 [8.8]
Net Latent Capacity Btu [kW]	9177 [2.7]	9177 [2.7]	9177 [2.7]	10,376 [3]
Net System Power kW	3.1	3.1	3.1	3.4
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	35,600 [10.4]	35,600 [10.4]	35,600 [10.4]	40,000 [11.7]
System Power KW/COP	3.2/3.3	3.2/3.3	3.2/3.3	3.6/3.28
Low Temp. Btuh [kW] Rating	21,200 [6.2]	21,200 [6.2]	21,200 [6.2]	23,200 [6.8]
System Power KW/COP	3/2.08	3/2.08	3/2.08	3.3/2.06
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	83	83	83	83
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/2	3/4	1/2	1/2
Motor RPM	1725	1725	1075	1075
Motor Frame Size	56	56	48	48
<b>Filter—Type</b>	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>	182 [5160]	182 [5160]	182 [5160]	177 [5018]
<b>Weights</b>				
Net Weight lbs. [kg]	517 [235]	517 [235]	517 [235]	521 [236]
Ship Weight lbs. [kg]	532 [241]	532 [241]	532 [241]	536 [243]

See Page 14 for Notes.

[ ] Designates Metric Conversions





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

Model RJNA- Series	A042CL	A042CM	A042DK	A042DL
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]	42,500 [12.5]
EER/SEER <sup>2</sup>	11.8/13	11.8/13	11.8/13	11.8/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]	1400/1400 [661/661]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]	40,500 [11.9]
Net Sensible Capacity Btu [kW]	30,124 [8.8]	30,124 [8.8]	30,124 [8.8]	30,124 [8.8]
Net Latent Capacity Btu [kW]	10,376 [3]	10,376 [3]	10,376 [3]	10,376 [3]
Net System Power kW	3.4	3.4	3.4	3.4
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	40,000 [11.7]	40,000 [11.7]	40,000 [11.7]	40,000 [11.7]
System Power KW/COP	3.6/3.28	3.6/3.28	3.6/3.28	3.6/3.28
Low Temp. Btuh [kW] Rating	23,200 [6.8]	23,200 [6.8]	23,200 [6.8]	23,200 [6.8]
System Power KW/COP	3.3/2.06	3.3/2.06	3.3/2.06	3.3/2.06
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	83	83	83	83
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]	3 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	3/4	1/2	1/2
Motor RPM	1725	1725	1075	1725
Motor Frame Size	56	56	48	56
<b>Filter—Type</b>	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>	177 [5018]	177 [5018]	177 [5018]	177 [5018]
<b>Weights</b>				
Net Weight lbs. [kg]	521 [236]	521 [236]	521 [236]	521 [236]
Ship Weight lbs. [kg]	536 [243]	536 [243]	536 [243]	536 [243]

See Page 14 for Notes.

[ ] Designates Metric Conversions



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

Model RJNA- Series	A042DM	A042JK	A048CK	A048CL
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	42,500 [12.5]	42,500 [12.5]	49,500 [14.5]	49,500 [14.5]
EER/SEER <sup>2</sup>	11.8/13	11.8/13	11.65/13	11.65/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	40,500 [11.9]	40,500 [11.9]	47,000 [13.8]	47,000 [13.8]
Net Sensible Capacity Btu [kW]	30,124 [8.8]	30,124 [8.8]	34,700 [10.2]	34,700 [10.2]
Net Latent Capacity Btu [kW]	10,376 [3]	10,376 [3]	12,300 [3.6]	12,300 [3.6]
Net System Power kW	3.4	3.4	4	4
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	40,000 [11.7]	40,000 [11.7]	46,500 [13.6]	46,500 [13.6]
System Power KW/COP	3.6/3.28	3.6/3.28	3.9/3.5	3.9/3.5
Low Temp. Btuh [kW] Rating	23,200 [6.8]	23,200 [6.8]	27,800 [8.1]	27,800 [8.1]
System Power KW/COP	3.3/2.06	3.3/2.06	3.7/2.22	3.7/2.22
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	83	83	83	83
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	3 / 13 [5]	3 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Direct/3	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	1/2
Motor RPM	1725	1075	1075	1725
Motor Frame Size	56	48	48	56
<b>Filter—Type</b>	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>	177 [5018]	177 [5018]	206 [5840]	206 [5840]
<b>Weights</b>				
Net Weight lbs. [kg]	521 [236]	521 [236]	535 [243]	535 [243]
Ship Weight lbs. [kg]	536 [243]	536 [243]	550 [249]	550 [249]

See Page 14 for Notes.

[ ] Designates Metric Conversions



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

Model RJNA- Series	A048CM	A048DK	A048DL	A048DM
<b>Cooling Performance<sup>1</sup></b>				<b>CONTINUED</b> →
Gross Cooling Capacity Btu [kW]	49,500 [14.5]	49,500 [14.5]	49,500 [14.5]	49,500 [14.5]
EER/SEER <sup>2</sup>	11.65/13	11.65/13	11.65/13	11.65/13
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.8]	47,000 [13.8]	47,000 [13.8]	47,000 [13.8]
Net Sensible Capacity Btu [kW]	34,700 [10.2]	34,700 [10.2]	34,700 [10.2]	34,700 [10.2]
Net Latent Capacity Btu [kW]	12,300 [3.6]	12,300 [3.6]	12,300 [3.6]	12,300 [3.6]
Net System Power kW	4	4	4	4
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	46,500 [13.6]	46,500 [13.6]	46,500 [13.6]	46,500 [13.6]
System Power KW/COP	3.9/3.5	3.9/3.5	3.9/3.5	3.9/3.5
Low Temp. Btuh [kW] Rating	27,800 [8.1]	27,800 [8.1]	27,800 [8.1]	27,800 [8.1]
System Power KW/COP	3.7/2.22	3.7/2.22	3.7/2.22	3.7/2.22
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>	83	83	83	83
<b>Outdoor Coil—Fin Type</b>	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>	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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Belt/Variable	Direct/3	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	3/4	1/2	1/2	3/4
Motor RPM	1725	1075	1725	1725
Motor Frame Size	56	48	56	56
<b>Filter—Type</b>	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>	206 [5840]	206 [5840]	206 [5840]	206 [5840]
<b>Weights</b>				
Net Weight lbs. [kg]	535 [243]	535 [243]	535 [243]	535 [243]
Ship Weight lbs. [kg]	550 [249]	550 [249]	550 [249]	550 [249]

See Page 14 for Notes.

[ ] Designates Metric Conversions



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

Model RJNA- Series	A048JK	A060CK	A060CL	A060CM
<b>Cooling Performance<sup>1</sup></b>				
Gross Cooling Capacity Btu [kW]	49,500 [14.5]	63,500 [18.6]	64,000 [18.8]	64,000 [18.8]
EER/SEER <sup>2</sup>	11.65/13	11.55/13	11.55/13	11.55/13
Nominal CFM/ARI Rated CFM [L/s]	1600/1600 [755/755]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	47,000 [13.8]	61,500 [18]	61,500 [18]	61,500 [18]
Net Sensible Capacity Btu [kW]	34,700 [10.2]	43,800 [12.8]	43,800 [12.8]	43,800 [12.8]
Net Latent Capacity Btu [kW]	12,300 [3.6]	17,700 [5.2]	17,700 [5.2]	17,700 [5.2]
Net System Power kW	4	5.3	5.3	5.3
<b>Heating Performance (Heat Pumps)</b>				
Heating Temp. Btuh [kW] Rating	46,500 [13.6]	60,500 [17.7]	60,500 [17.7]	60,500 [17.7]
System Power KW/COP	3.9/3.5	5/3.5	5/3.5	5/3.5
Low Temp. Btuh [kW] Rating	27,800 [8.1]	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
System Power KW/COP	3.7/2.22	4.4/2.3	4.4/2.3	4.4/2.3
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
<b>Compressor</b>				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>				
	83	83	83	83
<b>Outdoor Coil—Fin Type</b>				
Tube Type	Louvered	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]	16.56 [1.54]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
<b>Indoor Coil—Fin Type</b>				
Tube 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]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]	5.16 [0.48]
Rows / FPI [FPcm]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]	4 / 13 [5]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
<b>Outdoor Fan—Type</b>				
Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4000 [1888]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
<b>Indoor Fan—Type</b>				
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/11x9 [279.4x228.6]	1/10x10 [254x254]	1/10x10 [254x254]
Drive Type/No. Speeds	Direct/3	Direct/2	Belt/Variable	Belt/Variable
No. Motors	1	1	1	1
Motor HP	1/2	1	3/4	1
Motor RPM	1075	1100	1725	1725
Motor Frame Size	48	48	56	56
<b>Filter—Type</b>				
Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>				
	206 [5840]	184 [5216]	184 [5216]	184 [5216]
<b>Weights</b>				
Net Weight lbs. [kg]	535 [243]	565 [256]	565 [256]	565 [256]
Ship Weight lbs. [kg]	550 [249]	580 [263]	580 [263]	580 [263]

See Page 14 for Notes.

[ ] Designates Metric Conversions



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

Model RJNA- Series	A060DL	A060DM	A060JK
<b>Cooling Performance<sup>1</sup></b>			
Gross Cooling Capacity Btu [kW]	64,000 [18.8]	64,000 [18.8]	63,500 [18.6]
EER/SEER <sup>2</sup>	11.55/13	11.55/13	11.55/13
Nominal CFM/ARI Rated CFM [L/s]	2000/2000 [944/944]	2000/2000 [944/944]	2000/2000 [944/944]
ARI Net Cooling Capacity Btu [kW]	61,500 [18]	61,500 [18]	61,500 [18]
Net Sensible Capacity Btu [kW]	43,800 [12.8]	43,800 [12.8]	43,800 [12.8]
Net Latent Capacity Btu [kW]	17,700 [5.2]	17,700 [5.2]	17,700 [5.2]
Net System Power kW	5.3	5.3	5.3
<b>Heating Performance (Heat Pumps)</b>			
Heating Temp. Btuh [kW] Rating	60,500 [17.7]	60,500 [17.7]	60,500 [17.7]
System Power KW/COP	5/3.5	5/3.5	5/3.5
Low Temp. Btuh [kW] Rating	36,000 [10.5]	36,000 [10.5]	36,000 [10.5]
System Power KW/COP	4.4/2.3	4.4/2.3	4.4/2.3
HSPF (Btu/Watts-hr)	7.7	7.7	7.7
<b>Compressor</b>			
No./Type	1/Scroll	1/Scroll	1/Scroll
<b>Outdoor Sound Rating (dB)<sup>3</sup></b>			
	83	83	83
<b>Outdoor Coil—Fin Type</b>			
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
<b>Indoor Coil—Fin Type</b>			
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]	5.16 [0.48]
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]
<b>Outdoor Fan—Type</b>			
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]	4000 [1888]	4000 [1888]	4000 [1888]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075
<b>Indoor Fan—Type</b>			
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x10 [254x254]	1/10x10 [254x254]	1/11x9 [279.4x228.6]
Drive Type/No. Speeds	Belt/Variable	Belt/Variable	Direct/2
No. Motors	1	1	1
Motor HP	3/4	1	1
Motor RPM	1725	1725	1100
Motor Frame Size	56	56	48
<b>Filter—Type</b>			
Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes
(No.) Size Recommended in. [mm]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]	(2)1x25x16 [25x635x406]
<b>Refrigerant Charge Oz. [g]</b>			
	184 [5216]	184 [5216]	184 [5216]
<b>Weights</b>			
Net Weight lbs. [kg]	565 [256]	565 [256]	565 [256]
Ship Weight lbs. [kg]	580 [263]	580 [263]	580 [263]

See Page 14 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. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to  $\pm 20\%$  of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.



# SYSTEMS PERFORMANCE—RJNA- SERIES

## COOLING PERFORMANCE DATA—RJNA-A036

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
wbE		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
CFM [L/s]		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
DR ①		.16	.13	.08	.16	.13	.08	.16	.13	.08	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	46.4 [13.60] 27.9 [8.18] 2.2	44.8 [13.13] 25.5 [7.47] 2.2	43.1 [12.63] 23.1 [6.77] 2.2	43.4 [12.72] 33.5 [9.82] 2.2	41.9 [12.28] 30.6 [8.97] 2.2	40.4 [11.84] 27.7 [8.12] 2.1	41.1 [12.05] 34.8 [10.20] 2.2	39.7 [11.63] 31.8 [9.32] 2.2	38.2 [11.20] 28.8 [8.44] 2.1
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	45.5 [13.33] 27.3 [8.00] 2.3	43.9 [12.87] 25.0 [7.33] 2.3	42.3 [12.40] 22.6 [6.62] 2.3	42.6 [12.48] 32.9 [9.64] 2.3	41.1 [12.05] 30.0 [8.79] 2.3	39.6 [11.61] 27.2 [7.97] 2.3	40.2 [11.78] 34.2 [10.02] 2.3	38.8 [11.37] 31.3 [9.17] 2.3	37.4 [10.96] 28.3 [8.29] 2.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	44.5 [13.04] 26.7 [7.83] 2.5	42.9 [12.57] 24.4 [7.15] 2.4	41.3 [12.10] 22.1 [6.48] 2.4	41.5 [12.16] 32.3 [9.47] 2.4	40.0 [11.72] 29.5 [8.65] 2.4	38.6 [11.31] 26.8 [7.85] 2.4	39.2 [11.49] 33.6 [9.85] 2.4	37.8 [11.08] 30.7 [9.00] 2.4	36.4 [10.67] 27.9 [8.18] 2.4
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	43.3 [12.69] 26.1 [7.65] 2.6	41.7 [12.22] 23.9 [7.00] 2.5	40.2 [11.78] 21.7 [6.36] 2.5	40.3 [11.81] 31.7 [9.29] 2.6	38.9 [11.40] 29.0 [8.50] 2.5	37.5 [10.99] 26.3 [7.71] 2.5	38.0 [11.14] 33.0 [9.67] 2.6	36.6 [10.73] 30.2 [8.85] 2.5	35.3 [10.35] 27.4 [8.03] 2.5
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	42.0 [12.31] 25.6 [7.50] 2.7	40.5 [11.87] 23.4 [6.86] 2.6	39.0 [11.43] 21.2 [6.21] 2.6	39.0 [11.43] 31.1 [9.11] 2.7	37.6 [11.02] 28.5 [8.35] 2.6	36.3 [10.64] 25.8 [7.56] 2.6	36.7 [10.76] 32.4 [9.50] 2.7	35.4 [10.37] 29.7 [8.70] 2.6	34.1 [9.99] 26.9 [7.88] 2.6
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	40.7 [11.93] 25.0 [7.33] 2.8	39.3 [11.52] 22.8 [6.68] 2.8	37.8 [11.08] 20.7 [6.07] 2.7	37.7 [11.05] 30.5 [8.94] 2.8	36.4 [10.67] 27.9 [8.18] 2.7	35.1 [10.29] 25.3 [7.41] 2.7	35.4 [10.37] 31.9 [9.35] 2.8	34.2 [10.02] 29.1 [8.53] 2.7	32.9 [9.64] 26.4 [7.74] 2.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	39.5 [11.58] 24.4 [7.15] 2.9	38.1 [11.17] 22.3 [6.54] 2.9	36.7 [10.76] 20.2 [5.92] 2.8	36.5 [10.70] 30.0 [8.79] 2.9	35.2 [10.32] 27.4 [8.03] 2.9	33.9 [9.94] 24.8 [7.27] 2.8	34.2 [10.02] 31.3 [9.17] 2.9	33.0 [9.67] 28.6 [8.38] 2.9	31.8 [9.32] 25.9 [7.59] 2.8
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	38.4 [11.25] 23.8 [6.98] 3.0	37.0 [10.84] 21.8 [6.39] 3.0	35.7 [10.46] 19.7 [5.77] 2.9	35.4 [10.37] 29.3 [8.59] 3.0	34.2 [10.02] 26.8 [7.85] 3.0	32.9 [9.64] 24.3 [7.12] 2.9	33.1 [9.70] 30.7 [9.00] 3.0	31.9 [9.35] 28.0 [8.21] 3.0	30.8 [9.03] 25.4 [7.44] 2.9
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	37.5 [10.99] 23.2 [6.80] 3.1	36.1 [10.58] 21.2 [6.21] 3.1	34.8 [10.20] 19.2 [5.63] 3.0	34.5 [10.11] 28.7 [8.41] 3.1	33.3 [9.76] 26.3 [7.71] 3.1	32.1 [9.41] 23.8 [6.98] 3.0	32.2 [9.44] 30.0 [8.79] 3.1	31.0 [9.09] 27.5 [8.06] 3.1	29.9 [8.76] 24.9 [7.30] 3.0

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)].

## HEATING PERFORMANCE DATA—RJNA-A036

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
CFM [L/s]		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	8.9 [2.61] 2.1	8.7 [2.55] 2.1	8.6 [2.52] 2.2	7.0 [2.05] 2.3	6.9 [2.02] 2.4	6.8 [1.99] 2.4	5.3 [1.55] 2.6	5.2 [1.52] 2.6	5.1 [1.49] 2.7
	5 [26.7]	Total BTUH [kW] Power	12.2 [3.58] 2.1	12.0 [3.52] 2.2	11.9 [3.49] 2.2	10.4 [3.05] 2.4	10.2 [2.99] 2.4	10.1 [2.96] 2.5	8.6 [2.52] 2.6	8.5 [2.49] 2.7	8.4 [2.46] 2.7
	10 [-12.2]	Total BTUH [kW] Power	15.5 [4.54] 2.2	15.3 [4.48] 2.2	15.1 [4.43] 2.3	13.6 [3.99] 2.4	13.5 [3.96] 2.5	13.3 [3.90] 2.5	11.9 [3.49] 2.6	11.8 [3.46] 2.7	11.6 [3.40] 2.8
	15 [32.2]	Total BTUH [kW] Power	18.7 [5.48] 2.2	18.5 [5.42] 2.3	18.2 [5.33] 2.3	16.9 [4.95] 2.4	16.6 [4.86] 2.5	16.4 [4.81] 2.6	15.1 [4.43] 2.7	14.9 [4.37] 2.8	14.7 [4.31] 2.8
	20 [-6.6]	Total BTUH [kW] Power	21.8 [6.39] 2.2	21.5 [6.30] 2.3	21.2 [6.21] 2.4	20.0 [5.86] 2.5	19.7 [5.77] 2.5	19.4 [5.69] 2.6	18.3 [5.36] 2.7	18.0 [5.28] 2.8	17.7 [5.19] 2.9
	25 [37.8]	Total BTUH [kW] Power	24.8 [7.27] 2.3	24.5 [7.18] 2.3	24.1 [7.06] 2.4	23.0 [6.74] 2.5	22.7 [6.65] 2.6	22.3 [6.54] 2.6	21.3 [6.24] 2.8	21.0 [6.15] 2.8	20.7 [6.07] 2.9
	30 [-1.1]	Total BTUH [kW] Power	27.7 [8.12] 2.3	27.3 [8.00] 2.4	26.9 [7.88] 2.4	25.9 [7.59] 2.5	25.5 [7.47] 2.6	25.1 [7.36] 2.7	24.1 [7.06] 2.8	23.8 [6.98] 2.9	23.5 [6.89] 2.9
	35 [43.3]	Total BTUH [kW] Power	30.5 [8.94] 2.4	30.0 [8.79] 2.4	29.6 [8.67] 2.5	28.6 [8.38] 2.6	28.2 [8.26] 2.6	27.8 [8.15] 2.7	26.9 [7.88] 2.8	26.5 [7.77] 2.9	26.1 [7.65] 3.0
	40 [4.4]	Total BTUH [kW] Power	33.0 [9.67] 2.4	32.6 [9.55] 2.5	32.1 [9.41] 2.5	31.2 [9.14] 2.6	30.7 [9.00] 2.7	30.3 [8.88] 2.7	29.5 [8.65] 2.9	29.0 [8.50] 2.9	28.6 [8.38] 3.0
	45 [46.1]	Total BTUH [kW] Power	35.4 [10.37] 2.4	34.9 [10.23] 2.5	34.4 [10.08] 2.6	33.6 [9.85] 2.7	33.1 [9.70] 2.7	32.6 [9.55] 2.8	31.9 [9.35] 2.9	31.4 [9.20] 3.0	31.0 [9.09] 3.1
50 [10]	Total BTUH [kW] Power	37.6 [11.02] 2.5	37.1 [10.87] 2.5	36.6 [10.73] 2.6	35.8 [10.49] 2.7	35.3 [10.35] 2.8	34.8 [10.20] 2.8	34.1 [9.99] 2.9	33.6 [9.85] 3.0	33.1 [9.70] 3.1	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions



## COOLING PERFORMANCE DATA—RJNA-A042

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	
		DR ①									
		.18 .15 .11 .18 .15 .11 .18 .15 .11									
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	50.3 [14.74]	48.5 [14.21]	46.8 [13.72]	47.6 [13.95]	46.0 [13.48]	44.3 [12.98]	45.0 [13.19]	43.4 [12.72]	41.9 [12.28]
		Sens BTUH [kW]	30.8 [9.03]	28.2 [8.26]	25.6 [7.50]	37.2 [10.90]	34.0 [9.96]	30.8 [9.03]	38.6 [11.31]	35.3 [10.35]	32.0 [9.38]
		Power	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2
	80 [26.7]	Total BTUH [kW]	50.3 [14.74]	48.5 [14.21]	46.8 [13.72]	47.7 [13.98]	46.0 [13.48]	44.3 [12.98]	45.1 [13.22]	43.5 [12.75]	41.9 [12.28]
		Sens BTUH [kW]	30.8 [9.03]	28.1 [8.24]	25.5 [7.47]	37.1 [10.87]	33.9 [9.94]	30.8 [9.03]	38.5 [11.28]	35.2 [10.32]	31.9 [9.35]
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	85 [29.4]	Total BTUH [kW]	49.6 [14.54]	47.8 [14.01]	46.1 [13.51]	46.9 [13.75]	45.3 [13.28]	43.6 [12.78]	44.3 [12.98]	42.8 [12.54]	41.2 [12.07]
		Sens BTUH [kW]	30.3 [8.88]	27.7 [8.12]	25.1 [7.36]	36.6 [10.73]	33.5 [9.82]	30.4 [8.91]	38.1 [11.17]	34.8 [10.20]	31.6 [9.26]
		Power	2.6	2.5	2.5	2.6	2.5	2.5	2.6	2.5	2.5
	90 [32.2]	Total BTUH [kW]	48.3 [14.16]	46.6 [13.66]	44.9 [13.16]	45.6 [13.36]	44.0 [12.90]	42.4 [12.43]	43.0 [12.60]	41.5 [12.16]	40.0 [11.72]
	Sens BTUH [kW]	29.6 [8.67]	27.1 [7.94]	24.5 [7.18]	35.9 [10.52]	32.9 [9.64]	29.8 [8.73]	37.4 [10.96]	34.2 [10.02]	31.0 [9.09]	
	Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.7	2.6	
95 [35]	Total BTUH [kW]	46.7 [13.69]	45.0 [13.19]	43.4 [12.72]	44.0 [12.90]	42.5 [12.46]	40.9 [11.99]	41.4 [12.13]	40.0 [11.72]	38.5 [11.28]	
	Sens BTUH [kW]	28.8 [8.44]	26.3 [7.71]	23.9 [7.00]	35.1 [10.29]	32.1 [9.41]	29.1 [8.53]	36.5 [10.70]	33.4 [9.79]	30.3 [8.88]	
	Power	2.9	2.8	2.8	2.9	2.8	2.8	2.9	2.8	2.8	
100 [37.8]	Total BTUH [kW]	45.0 [13.19]	43.4 [12.72]	41.8 [12.25]	42.4 [12.43]	40.9 [11.99]	39.4 [11.55]	39.8 [11.66]	38.4 [11.25]	37.0 [10.84]	
	Sens BTUH [kW]	27.9 [8.18]	25.5 [7.47]	23.1 [6.77]	34.3 [10.05]	31.3 [9.17]	28.4 [8.32]	35.7 [10.46]	32.6 [9.55]	29.6 [8.67]	
	Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	3.0	2.9	
105 [40.6]	Total BTUH [kW]	43.5 [12.75]	42.0 [12.31]	40.4 [11.84]	40.8 [11.96]	39.4 [11.55]	38.0 [11.14]	38.2 [11.20]	36.9 [10.81]	35.6 [10.43]	
	Sens BTUH [kW]	27.2 [7.97]	24.9 [7.30]	22.5 [6.59]	33.5 [9.82]	30.7 [9.00]	27.8 [8.15]	34.9 [10.23]	32.0 [9.38]	29.0 [8.50]	
	Power	3.1	3.1	3.0	3.1	3.1	3.0	3.1	3.1	3.0	
110 [43.3]	Total BTUH [kW]	42.4 [12.43]	40.9 [11.99]	39.4 [11.55]	39.7 [11.63]	38.3 [11.22]	36.9 [10.81]	37.1 [10.87]	35.8 [10.49]	34.5 [10.11]	
	Sens BTUH [kW]	26.7 [7.83]	24.4 [7.15]	22.1 [6.48]	33.0 [9.67]	30.2 [8.85]	27.4 [8.03]	34.4 [10.08]	31.5 [9.23]	28.6 [8.38]	
	Power	3.3	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.2	
115 [46.1]	Total BTUH [kW]	41.9 [12.28]	40.4 [11.84]	39.0 [11.43]	39.3 [11.52]	37.9 [11.11]	36.5 [10.70]	36.7 [10.76]	35.4 [10.37]	34.1 [9.99]	
	Sens BTUH [kW]	26.5 [7.77]	24.3 [7.12]	22.0 [6.45]	32.9 [9.64]	30.1 [8.82]	27.3 [8.00]	34.3 [10.05]	31.4 [9.20]	28.4 [8.32]	
	Power	3.4	3.4	3.3	3.4	3.4	3.3	3.4	3.4	3.3	

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

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

### NOTES:

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

## HEATING PERFORMANCE DATA—RJNA-A042

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
		1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	1680 [793]	1400 [661]	1120 [529]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	9.5 [2.78]	9.4 [2.75]	9.3 [2.73]	8.7 [2.55]	8.6 [2.52]	8.5 [2.49]	7.1 [2.08]	7.0 [2.05]	6.9 [2.02]
		Power	2.0	2.1	2.1	2.3	2.4	2.5	2.6	2.7	2.7
	5 [26.7]	Total BTUH [kW]	13.9 [4.07]	13.7 [4.02]	13.5 [3.96]	13.1 [3.84]	12.9 [3.78]	12.7 [3.72]	11.5 [3.37]	11.4 [3.34]	11.2 [3.28]
		Power	2.1	2.1	2.2	2.4	2.5	2.5	2.7	2.7	2.8
	10 [-12.2]	Total BTUH [kW]	17.1 [5.01]	16.9 [4.95]	16.7 [4.89]	16.3 [4.78]	16.1 [4.72]	15.9 [4.66]	14.8 [4.34]	14.6 [4.28]	14.3 [4.19]
		Power	2.2	2.2	2.3	2.5	2.5	2.6	2.7	2.8	2.9
	15 [32.2]	Total BTUH [kW]	19.5 [5.71]	19.3 [5.66]	19.0 [5.57]	18.7 [5.48]	18.4 [5.39]	18.2 [5.33]	17.2 [5.04]	16.9 [4.95]	16.7 [4.89]
		Power	2.2	2.3	2.3	2.5	2.6	2.7	2.8	2.9	2.9
	20 [-6.6]	Total BTUH [kW]	21.5 [6.30]	21.2 [6.21]	20.9 [6.13]	20.6 [6.04]	20.4 [5.98]	20.1 [5.89]	19.1 [5.60]	18.8 [5.51]	18.6 [5.45]
		Power	2.3	2.3	2.4	2.6	2.7	2.7	2.9	2.9	3.0
25 [37.8]	Total BTUH [kW]	23.3 [6.83]	23.0 [6.74]	22.7 [6.65]	22.5 [6.59]	22.2 [6.51]	21.8 [6.39]	20.9 [6.13]	20.6 [6.04]	20.3 [5.95]	
	Power	2.3	2.4	2.5	2.7	2.7	2.8	2.9	3.0	3.1	
30 [-1.1]	Total BTUH [kW]	25.4 [7.44]	25.1 [7.36]	24.7 [7.24]	24.6 [7.21]	24.2 [7.09]	23.9 [7.00]	23.0 [6.74]	22.7 [6.65]	22.4 [6.56]	
	Power	2.4	2.5	2.5	2.7	2.8	2.9	3.0	3.1	3.2	
35 [43.3]	Total BTUH [kW]	28.1 [8.24]	27.8 [8.15]	27.4 [8.03]	27.3 [8.00]	26.9 [7.88]	26.5 [7.77]	25.8 [7.56]	25.4 [7.44]	25.0 [7.33]	
	Power	2.5	2.5	2.6	2.8	2.9	2.9	3.1	3.1	3.2	
40 [4.4]	Total BTUH [kW]	31.9 [9.35]	31.4 [9.20]	31.0 [9.09]	31.0 [9.09]	30.6 [8.97]	30.2 [8.85]	29.5 [8.65]	29.1 [8.53]	28.7 [8.41]	
	Power	2.5	2.6	2.7	2.9	2.9	3.0	3.1	3.2	3.3	
45 [46.1]	Total BTUH [kW]	36.9 [10.81]	36.4 [10.67]	35.9 [10.52]	36.1 [10.58]	35.6 [10.43]	35.1 [10.29]	34.6 [10.14]	34.1 [9.99]	33.6 [9.85]	
	Power	2.6	2.7	2.7	2.9	3.0	3.1	3.2	3.3	3.4	
50 [10]	Total BTUH [kW]	43.7 [12.81]	43.1 [12.63]	42.5 [12.46]	42.9 [12.57]	42.3 [12.40]	41.7 [12.22]	41.3 [12.10]	40.8 [11.96]	40.2 [11.78]	
	Power	2.7	2.7	2.8	3.0	3.1	3.1	3.3	3.3	3.4	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions





# SYSTEMS PERFORMANCE—RJNA- SERIES

## COOLING PERFORMANCE DATA—RJNA-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]		1920 [906]	1600 [755]	1280 [604]	1920 [906]	1600 [755]	1280 [604]	1920 [906]	1600 [755]	1280 [604]	
DR ①		.18	.15	.11	.18	.15	.11	.18	.15	.11	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	59.9 [17.55] 35.6 [10.43] 2.7	57.8 [16.94] 32.6 [9.55] 2.6	55.7 [16.32] 29.5 [8.65] 2.6	56.2 [16.47] 43.0 [12.60] 2.7	54.3 [15.91] 39.3 [11.52] 2.7	52.3 [15.33] 35.6 [10.43] 2.6	53.5 [15.68] 46.0 [13.48] 2.7	51.7 [15.15] 42.0 [12.31] 2.6	49.8 [14.59] 38.1 [11.17] 2.6
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	58.7 [17.20] 35.1 [10.29] 2.9	56.6 [16.59] 32.1 [9.41] 2.8	54.5 [15.97] 29.1 [8.53] 2.8	55.0 [16.12] 42.5 [12.46] 2.9	53.1 [15.56] 38.8 [11.37] 2.8	51.2 [15.01] 35.2 [10.32] 2.8	52.3 [15.33] 45.5 [13.33] 2.9	50.5 [14.80] 41.6 [12.19] 2.8	48.7 [14.27] 37.7 [11.05] 2.8
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	57.4 [16.82] 34.6 [10.14] 3.0	55.4 [16.24] 31.6 [9.26] 3.0	53.4 [15.65] 28.7 [8.41] 3.0	53.8 [15.77] 41.9 [12.28] 3.1	51.9 [15.21] 38.3 [11.22] 3.0	50.0 [14.65] 34.7 [10.17] 3.0	51.1 [14.98] 44.9 [13.16] 3.0	49.3 [14.45] 41.1 [12.05] 3.0	47.5 [13.92] 37.2 [10.90] 2.9
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	56.1 [16.44] 33.9 [9.94] 3.2	54.1 [15.86] 31.0 [9.09] 3.2	52.1 [15.27] 28.1 [8.24] 3.1	52.5 [15.39] 41.2 [12.07] 3.2	50.6 [14.83] 37.7 [11.05] 3.2	48.8 [14.30] 34.2 [10.02] 3.1	49.8 [14.59] 44.2 [12.95] 3.2	48.0 [14.07] 40.4 [11.84] 3.2	46.3 [13.57] 36.7 [10.76] 3.1
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	54.7 [16.03] 33.1 [9.70] 3.4	52.8 [15.47] 30.3 [8.88] 3.4	50.9 [14.92] 27.5 [8.06] 3.3	51.1 [14.98] 40.4 [11.84] 3.4	49.3 [14.45] 37.0 [10.84] 3.4	47.5 [13.92] 33.5 [9.82] 3.3	48.4 [14.18] 43.5 [12.75] 3.4	46.7 [13.69] 39.7 [11.63] 3.3	45.0 [13.19] 36.0 [10.55] 3.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	53.3 [15.62] 32.3 [9.47] 3.6	51.4 [15.06] 29.6 [8.67] 3.5	49.5 [14.51] 26.8 [7.85] 3.5	49.6 [14.54] 39.6 [11.61] 3.6	47.9 [14.04] 36.3 [10.64] 3.5	46.2 [13.54] 32.9 [9.64] 3.5	46.9 [13.75] 42.7 [12.51] 3.6	45.3 [13.28] 39.0 [11.43] 3.5	43.6 [12.78] 35.4 [10.37] 3.5
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	51.7 [15.15] 31.5 [9.23] 3.8	49.9 [14.62] 28.8 [8.44] 3.7	48.1 [14.10] 26.1 [7.65] 3.6	48.1 [14.10] 38.8 [11.37] 3.8	46.4 [13.60] 35.5 [10.40] 3.7	44.7 [13.10] 32.2 [9.44] 3.7	45.4 [13.31] 41.9 [12.28] 3.7	43.8 [12.84] 38.3 [11.22] 3.7	42.2 [12.37] 34.7 [10.17] 3.6
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	50.2 [14.71] 30.7 [9.00] 3.9	48.4 [14.18] 28.1 [8.24] 3.9	46.6 [13.66] 25.5 [7.47] 3.8	46.5 [13.63] 38.0 [11.14] 4.0	44.9 [13.16] 34.8 [10.20] 3.9	43.3 [12.69] 31.5 [9.23] 3.8	43.8 [12.84] 41.0 [12.02] 3.9	42.3 [12.40] 37.5 [10.99] 3.9	40.8 [11.96] 34.0 [9.96] 3.8
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	48.5 [14.21] 29.9 [8.76] 4.1	46.8 [13.72] 27.4 [8.03] 4.0	45.1 [13.22] 24.8 [7.27] 4.0	44.9 [13.16] 37.2 [10.90] 4.1	43.3 [12.69] 34.1 [9.99] 4.1	41.7 [12.22] 30.9 [9.06] 4.0	42.2 [12.37] 40.3 [11.81] 4.1	40.7 [11.93] 36.8 [10.79] 4.0	39.2 [11.49] 33.4 [9.79] 4.0

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)].

## HEATING PERFORMANCE DATA—RJNA-A048

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	1440 [680]	1200 [566]	960 [453]	
CFM [L/s]											
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	13.5 [3.96] 2.4	13.3 [3.90] 2.4	13.1 [3.84] 2.5	13.0 [3.81] 2.7	12.8 [3.75] 2.8	12.6 [3.69] 2.8	12.0 [3.52] 3.1	11.8 [3.46] 3.1	11.6 [3.40] 3.2
	5 [26.7]	Total BTUH [kW] Power	17.3 [5.07] 2.4	17.1 [5.01] 2.5	16.8 [4.92] 2.6	16.8 [4.92] 2.8	16.5 [4.84] 2.8	16.3 [4.78] 2.9	15.8 [4.63] 3.1	15.5 [4.54] 3.2	15.3 [4.48] 3.3
	10 [12.2]	Total BTUH [kW] Power	21.0 [6.15] 2.5	20.7 [6.07] 2.5	20.4 [5.98] 2.6	20.5 [6.01] 2.8	20.2 [5.92] 2.9	19.9 [5.83] 2.9	19.5 [5.71] 3.2	19.2 [5.63] 3.2	18.9 [5.54] 3.3
	15 [32.2]	Total BTUH [kW] Power	24.6 [7.21] 2.5	24.3 [7.12] 2.6	23.9 [7.00] 2.6	24.1 [7.06] 2.8	23.7 [6.95] 2.9	23.4 [6.86] 3.0	23.1 [6.77] 3.2	22.7 [6.65] 3.3	22.4 [6.56] 3.4
	20 [-6.6]	Total BTUH [kW] Power	28.1 [8.24] 2.6	27.7 [8.12] 2.6	27.3 [8.00] 2.7	27.6 [8.09] 2.9	27.2 [7.97] 3.0	26.8 [7.85] 3.0	26.6 [7.80] 3.3	26.2 [7.68] 3.3	25.8 [7.56] 3.4
	25 [37.8]	Total BTUH [kW] Power	31.5 [9.23] 2.6	31.1 [9.11] 2.7	30.6 [8.97] 2.7	31.0 [9.09] 2.9	30.6 [8.97] 3.0	30.1 [8.82] 3.1	30.0 [8.79] 3.3	29.6 [8.67] 3.4	29.1 [8.53] 3.5
	30 [-1.1]	Total BTUH [kW] Power	34.8 [10.20] 2.7	34.3 [10.05] 2.7	33.9 [9.94] 2.8	34.3 [10.05] 3.0	33.8 [9.91] 3.1	33.3 [9.76] 3.1	33.3 [9.76] 3.3	32.8 [9.61] 3.4	32.4 [9.50] 3.5
	35 [43.3]	Total BTUH [kW] Power	38.1 [11.17] 2.7	37.5 [10.99] 2.8	37.0 [10.84] 2.8	37.5 [10.99] 3.0	37.0 [10.84] 3.1	36.5 [10.70] 3.2	36.5 [10.70] 3.4	36.0 [10.55] 3.5	35.5 [10.40] 3.6
	40 [4.4]	Total BTUH [kW] Power	41.2 [12.07] 2.8	40.6 [11.90] 2.8	40.0 [11.72] 2.9	40.7 [11.93] 3.1	40.1 [11.75] 3.2	39.5 [11.58] 3.2	39.7 [11.63] 3.4	39.1 [11.46] 3.5	38.5 [11.28] 3.6
	45 [46.1]	Total BTUH [kW] Power	44.2 [12.95] 2.8	43.6 [12.78] 2.9	43.0 [12.60] 2.9	43.7 [12.81] 3.1	43.1 [12.63] 3.2	42.5 [12.46] 3.3	42.7 [12.51] 3.5	42.1 [12.34] 3.6	41.5 [12.16] 3.7
50 [10]	Total BTUH [kW] Power	47.2 [13.83] 2.8	46.5 [13.63] 2.9	45.8 [13.42] 3.0	46.6 [13.66] 3.2	46.0 [13.48] 3.3	45.3 [13.28] 3.3	45.6 [13.36] 3.5	45.0 [13.19] 3.6	44.3 [12.98] 3.7	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions



## COOLING PERFORMANCE DATA—RJNA-A060

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		2500 [1180]	2000 [944]	1500 [708]	2500 [1180]	2000 [944]	1500 [708]	2500 [1180]	2000 [944]	1500 [708]	
		CFM [L/s]									
		DR ①	.22	.19	.15	.22	.19	.15	.22	.19	.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	74.9 [21.95]	71.6 [20.98]	68.4 [20.05]	71.3 [20.90]	68.2 [19.99]	65.1 [19.08]	67.6 [19.81]	64.6 [18.93]	61.7 [18.08]
		Sens BTUH [kW]	44.2 [12.95]	39.6 [11.61]	35.0 [10.26]	53.4 [15.65]	47.8 [14.01]	42.3 [12.40]	57.5 [16.85]	51.5 [15.09]	45.5 [13.33]
		Power	4.0	3.9	3.8	3.9	3.9	3.8	3.9	3.8	3.8
	80 [26.7]	Total BTUH [kW]	74.4 [21.80]	71.2 [20.87]	67.9 [19.90]	70.8 [20.75]	67.7 [19.84]	64.6 [18.93]	67.1 [19.67]	64.2 [18.82]	61.2 [17.94]
		Sens BTUH [kW]	44.3 [12.98]	39.7 [11.63]	35.0 [10.26]	53.5 [15.68]	47.9 [14.04]	42.3 [12.40]	57.6 [16.88]	51.5 [15.09]	45.5 [13.33]
		Power	4.2	4.1	4.1	4.2	4.1	4.0	4.1	4.1	4.0
	85 [29.4]	Total BTUH [kW]	73.3 [21.48]	70.2 [20.57]	67.0 [19.64]	69.7 [20.43]	66.7 [19.55]	63.6 [18.64]	66.0 [19.34]	63.1 [18.49]	60.3 [17.67]
		Sens BTUH [kW]	43.8 [12.84]	39.2 [11.49]	34.7 [10.17]	53.0 [15.53]	47.5 [13.92]	41.9 [12.28]	57.1 [16.73]	51.1 [14.98]	45.2 [13.25]
		Power	4.5	4.4	4.3	4.4	4.3	4.2	4.4	4.3	4.2
	90 [32.2]	Total BTUH [kW]	71.8 [21.04]	68.7 [20.13]	65.6 [19.23]	68.2 [19.99]	65.2 [19.11]	62.3 [18.26]	64.5 [18.90]	61.7 [18.08]	58.9 [17.26]
	Sens BTUH [kW]	43.0 [12.60]	38.5 [11.28]	34.0 [9.96]	52.2 [15.30]	46.7 [13.69]	41.3 [12.10]	56.3 [16.50]	50.4 [14.77]	44.5 [13.04]	
	Power	4.7	4.6	4.5	4.6	4.5	4.4	4.6	4.5	4.4	
95 [35]	Total BTUH [kW]	70.0 [20.51]	67.0 [19.64]	63.9 [18.73]	66.4 [19.46]	63.5 [18.61]	60.6 [17.76]	62.7 [18.38]	60.0 [17.58]	57.2 [16.76]	
	Sens BTUH [kW]	41.9 [12.28]	37.5 [10.99]	33.2 [9.73]	51.1 [14.98]	45.8 [13.42]	40.4 [11.84]	55.2 [16.18]	49.4 [14.48]	43.7 [12.81]	
	Power	4.9	4.8	4.7	4.8	4.7	4.6	4.8	4.7	4.6	
100 [37.8]	Total BTUH [kW]	68.0 [19.93]	65.1 [19.08]	62.1 [18.20]	64.4 [18.87]	61.6 [18.05]	58.8 [17.23]	60.7 [17.79]	58.1 [17.03]	55.4 [16.24]	
	Sens BTUH [kW]	40.7 [11.93]	36.5 [10.70]	32.2 [9.44]	49.9 [14.62]	44.7 [13.10]	39.5 [11.58]	54.0 [15.83]	48.4 [14.18]	42.7 [12.51]	
	Power	5.1	5.0	4.9	5.1	5.0	4.9	5.0	4.9	4.8	
105 [40.6]	Total BTUH [kW]	66.0 [19.34]	63.1 [18.49]	60.3 [17.67]	62.4 [18.29]	59.7 [17.50]	56.9 [16.68]	58.7 [17.20]	56.1 [16.44]	53.6 [15.71]	
	Sens BTUH [kW]	39.6 [11.61]	35.4 [10.37]	31.3 [9.17]	48.8 [14.30]	43.7 [12.81]	38.6 [11.31]	52.8 [15.47]	47.3 [13.86]	41.8 [12.25]	
	Power	5.4	5.3	5.1	5.3	5.2	5.1	5.3	5.2	5.1	
110 [43.3]	Total BTUH [kW]	64.1 [18.79]	61.3 [17.97]	58.5 [17.14]	60.5 [17.73]	57.8 [16.94]	55.2 [16.18]	56.8 [16.65]	54.3 [15.91]	51.8 [15.18]	
	Sens BTUH [kW]	38.5 [11.28]	34.5 [10.11]	30.5 [8.94]	47.7 [13.98]	42.7 [12.51]	37.8 [11.08]	51.8 [15.18]	46.4 [13.60]	41.0 [12.02]	
	Power	5.6	5.5	5.4	5.5	5.4	5.3	5.5	5.4	5.3	
115 [46.1]	Total BTUH [kW]	62.4 [18.29]	59.7 [17.50]	57.0 [16.71]	58.8 [17.23]	56.2 [16.47]	53.7 [15.74]	55.1 [16.15]	52.7 [15.44]	50.3 [14.74]	
	Sens BTUH [kW]	37.8 [11.08]	33.8 [9.91]	29.9 [8.76]	47.0 [13.77]	42.1 [12.34]	37.2 [10.90]	51.1 [14.98]	45.7 [13.39]	40.4 [11.84]	
	Power	5.8	5.7	5.6	5.7	5.6	5.5	5.7	5.6	5.5	

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

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

### NOTES:

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

## HEATING PERFORMANCE DATA—RJNA-A060

		IDB	60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
		CFM [L/s]	2500 [1180]	2000 [944]	1500 [708]	2500 [1180]	2000 [944]	1500 [708]	2500 [1180]	2000 [944]	1500 [708]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	16.6 [4.86]	16.3 [4.78]	16.0 [4.69]	15.0 [4.40]	14.7 [4.31]	14.4 [4.22]	14.9 [4.37]	14.6 [4.28]	14.4 [4.22]
		Power	3.0	3.1	3.2	3.4	3.5	3.7	3.9	4.1	4.2
	5 [26.7]	Total BTUH [kW]	22.7 [6.65]	22.3 [6.54]	21.9 [6.42]	21.1 [6.18]	20.7 [6.07]	20.3 [5.95]	21.0 [6.15]	20.6 [6.04]	20.3 [5.95]
		Power	3.1	3.2	3.3	3.5	3.6	3.7	4.0	4.2	4.3
	10 [-12.2]	Total BTUH [kW]	28.5 [8.35]	28.0 [8.21]	27.5 [8.06]	26.9 [7.88]	26.4 [7.74]	25.9 [7.59]	26.8 [7.85]	26.3 [7.71]	25.9 [7.59]
		Power	3.2	3.3	3.4	3.6	3.7	3.8	4.1	4.2	4.4
	15 [32.2]	Total BTUH [kW]	34.0 [9.96]	33.4 [9.79]	32.8 [9.61]	32.3 [9.47]	31.8 [9.32]	31.2 [9.14]	32.3 [9.47]	31.7 [9.29]	31.1 [9.11]
		Power	3.3	3.4	3.5	3.7	3.8	3.9	4.2	4.3	4.5
	20 [-6.6]	Total BTUH [kW]	39.1 [11.46]	38.4 [11.25]	37.7 [11.05]	37.5 [10.99]	36.8 [10.79]	36.2 [10.61]	37.4 [10.96]	36.8 [10.79]	36.1 [10.58]
		Power	3.4	3.5	3.6	3.8	3.9	4.0	4.3	4.4	4.6
25 [37.8]	Total BTUH [kW]	43.9 [12.87]	43.2 [12.66]	42.4 [12.43]	42.3 [12.40]	41.5 [12.16]	40.8 [11.96]	42.2 [12.37]	41.5 [12.16]	40.7 [11.93]	
	Power	3.5	3.6	3.7	3.9	4.0	4.1	4.4	4.5	4.7	
30 [-1.1]	Total BTUH [kW]	48.4 [14.18]	47.6 [13.95]	46.7 [13.69]	46.8 [13.72]	46.0 [13.48]	45.1 [13.22]	46.7 [13.69]	45.9 [13.45]	45.1 [13.22]	
	Power	3.5	3.7	3.8	4.0	4.1	4.2	4.5	4.6	4.8	
35 [43.3]	Total BTUH [kW]	52.6 [15.42]	51.7 [15.15]	50.7 [14.86]	50.9 [14.92]	50.1 [14.68]	49.2 [14.42]	50.9 [14.92]	50.0 [14.65]	49.1 [14.39]	
	Power	3.6	3.7	3.9	4.0	4.2	4.3	4.6	4.7	4.8	
40 [4.4]	Total BTUH [kW]	56.4 [16.53]	55.4 [16.24]	54.5 [15.97]	54.8 [16.06]	53.8 [15.77]	52.9 [15.50]	54.7 [16.03]	53.8 [15.77]	52.8 [15.47]	
	Power	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.8	4.9	
45 [46.1]	Total BTUH [kW]	59.9 [17.55]	58.9 [17.26]	57.8 [16.94]	58.3 [17.09]	57.3 [16.79]	56.3 [16.50]	58.2 [17.06]	57.2 [16.76]	56.2 [16.47]	
	Power	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	
50 [10]	Total BTUH [kW]	63.1 [18.49]	62.0 [18.17]	60.9 [17.85]	61.5 [18.02]	60.4 [17.70]	59.3 [17.38]	61.4 [17.99]	60.4 [17.70]	59.3 [17.38]	
	Power	3.9	4.0	4.1	4.3	4.5	4.6	4.8	5.0	5.1	

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions



**DIRECT-DRIVE BLOWER 208 AIRFLOW PERFORMANCE**

Nominal Cooling Capacity Tons [kW]	Factory Motor Speed	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil													
					External Static Pressure—Inches W.C. [kPa]													
					0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]				
3.0 [10.55]	Low	1050/1350	10x10 1/2 HP [373] 3 Speed Motor	CFM	1275 [602]	1235 [583]	1210 [571]	1181 [557]	1132 [534]	1045 [493]								
				Watts	493	481	468	452	431	402								
3.5 [12.30]	Med.	1225/1575	10x10 1/2 HP [373] 3 Speed Motor	CFM	1397 [659]	1344 [634]	1319 [622]	1297 [612]	1249 [589]	1147 [541]								
				Watts	561	537	522	508	488	454								
4.0 [14.07]	High	1400/1800	10x10 1/2 HP [373] 3 Speed Motor	CFM	1766 [833]	1719 [811]	1671 [789]	1617 [763]	1550 [732]	1465 [691]								
				Watts	735	719	697	671	639	603								
5.0 [17.6]	Low	1750/2250	11x9 1 HP [746] 2 Speed Motor	CFM	1974 [932]	1935 [913]	1897 [895]	1860 [878]	1823 [860]	1788 [844]	1753 [827]	1719 [811]	1686 [796]					
				Watts	490	505	510	545	555	575	600	605	625					
				High	CFM	2185 [1031]	2148 [1014]	2112 [997]	2076 [980]	2040 [963]	2005 [946]	1970 [930]	1935 [913]	1900 [897]				
					Watts	675	685	700	720	735	750	770	780	805				

**DIRECT-DRIVE BLOWER 230/460 AIRFLOW PERFORMANCE**

Nominal Cooling Capacity Tons [kW]	Factory Motor Speed	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [w] & # of Speeds	Motor Speed	CFM [L/s] Air Delivery/RPM/Watts—230/460 Volts Side Discharge—Wet Coil													
					External Static Pressure—Inches W.C. [kPa]													
					0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]				
3.0 [10.55]	Low	1050/1350	10x10 1/2 HP [373] 3 Speed Motor	CFM	1455 [687]	1423 [672]	1388 [655]	1345 [635]	1289 [608]	1214 [573]								
				Watts	578	565	549	528	502	472								
3.5 [12.30]	Med.	1225/1575	10x10 1/2 HP [373] 3 Speed Motor	CFM	1601 [756]	1561 [737]	1517 [716]	1466 [692]	1401 [661]	1317 [622]								
				Watts	659	636	613	589	562	529								
4.0 [14.07]	High	1400/1800	10x10 1/2 HP [373] 3 Speed Motor	CFM	1964 [927]	1902 [898]	1839 [868]	1771 [836]	1693 [799]	1602 [756]								
				Watts	847	811	780	751	721	688								
5.0* [17.6]	Low	1750/2250	11x9 1 HP [746] 2 Speed Motor	CFM	1974 [932]	1935 [913]	1897 [895]	1860 [878]	1823 [860]	1788 [844]	1753 [827]	1719 [811]	1686 [796]					
				Watts	490	505	510	545	555	575	600	605	625					
				High	CFM	2185 [1031]	2148 [1014]	2112 [997]	2076 [980]	2040 [963]	2005 [946]	1970 [930]	1935 [913]	1900 [897]				
					Watts	675	685	700	720	735	750	770	780	805				

\*There is not a 5-ton 460 Volt Direct Drive.

[ ] Designates Metric Conversions



## BELT-DRIVE AIRFLOW PERFORMANCE

Air Flow CFM [L/s]		External Static Pressure—Inches of Water [kPa]																													
		0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [0.10]		0.5 [0.12]		0.6 [0.15]		0.7 [0.17]		0.8 [0.20]		0.9 [0.22]		1.0 [0.25]		1.1 [0.27]		1.2 [0.30]		1.3 [0.32]		1.4 [0.35]		1.5 [0.37]	
Models	Voltage	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	RPM	W
RJNA-A036 [10.55 kW] & A042 [12.31 kW]—Heat Pump (13 SEER)		208/230-460—3 Phase																													
900 [425]	—	—	—	665	290	730	300	830	330	875	360	920	375	960	390	990	410	1040	445	1080	470	1140	510	1190	540	1235	590	1270	630	1325	760
1000 [472]	—	—	625	275	680	295	750	310	805	345	895	375	935	390	970	410	1015	1065	1100	1160	1200	1255	1290	1350	1400	1465	1530	1600	1675	1750	1825
1100 [519]	—	—	640	300	710	315	780	325	830	340	875	365	915	390	955	405	1040	450	1080	485	1115	1180	1250	1320	1390	1465	1540	1615	1690	1765	1840
1200 [566]	—	—	670	315	735	330	800	345	850	365	890	385	935	410	975	430	1010	1060	1100	1165	1200	1260	1320	1380	1445	1510	1575	1640	1705	1770	1835
1300 [614]	625	315	700	330	770	350	830	370	875	400	915	415	965	440	990	450	1040	1085	1125	1165	1205	1245	1285	1325	1365	1405	1445	1485	1525	1565	1605
1400 [661]	655	340	730	365	795	385	850	400	890	430	935	445	975	470	1010	500	1070	1115	1155	1195	1235	1275	1315	1355	1395	1435	1475	1515	1555	1595	1635
1500 [708]	685	380	755	390	825	415	870	435	915	455	955	480	990	505	1040	545	1090	1135	1175	1215	1255	1295	1335	1375	1415	1455	1495	1535	1575	1615	1655
1600 [755]	730	420	790	435	850	455	890	490	935	505	970	525	1005	550	1100	640	1160	1205	1245	1285	1325	1365	1405	1445	1485	1525	1565	1605	1645	1685	1725
1700 [802]	755	465	825	475	875	505	915	535	955	550	985	570	1040	630	1100	685	1185	1230	1270	1310	1350	1390	1430	1470	1510	1550	1590	1630	1670	1710	1750
1800 [850]	790	500	850	530	890	550	935	570	1020	600	1080	690	1125	740	1165	770	1210	1250	1290	1330	1370	1410	1450	1490	1530	1570	1610	1650	1690	1730	1770

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

Drive Package	L						M						N (Field-Supplied)							
	Motor H.P. [W]	1/2 [373] (3/4 [559] - 575V)					3/4 [559]					6.4 Pitch Diameter					3/4 [559]			
Blower Sheave	6.9 Pitch Diameter																			
Motor Sheave	Adjustable 3.4-4.4 Pitch Diameter																			
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6	Adjustable 4.0-5.0 Pitch Diameter					
RPM	935	875	830	780	730	680	625	1295	1230	1185	1135	1085	1000	955	RPM Range 1090-1365					

Factory sheave settings are shown in bold print.

## BELT-DRIVE AIRFLOW PERFORMANCE

Air Flow CFM [L/s]		External Static Pressure—Inches of Water [kPa]																													
		0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [0.10]		0.5 [0.12]		0.6 [0.15]		0.7 [0.17]		0.8 [0.20]		0.9 [0.22]		1.0 [0.25]		1.1 [0.27]		1.2 [0.30]		1.3 [0.32]		1.4 [0.35]		1.5 [0.37]	
Models	Voltage	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	RPM	W
RJNA-A048 [14.06 kW]—Heat Pump (13 SEER)		208/230-460—3 Phase																													
1200 [566]	—	—	—	695	330	770	365	835	395	880	415	920	435	975	455	1010	1060	1100	1160	1200	1260	1300	1360	1400	1460	1500	1560	1600	1660	1700	1760
1300 [614]	—	—	725	350	795	395	855	420	895	435	945	455	995	470	1030	500	1070	1115	1155	1195	1235	1275	1315	1355	1395	1435	1475	1515	1555	1595	1635
1400 [661]	—	—	750	390	820	425	875	450	920	465	970	480	1010	500	1055	560	1100	1140	1180	1220	1260	1300	1340	1380	1420	1460	1500	1540	1580	1620	1660
1500 [708]	690	360	780	430	850	460	895	480	945	500	990	530	1035	565	1075	590	1115	1155	1195	1235	1275	1315	1355	1395	1435	1475	1515	1555	1595	1635	1675
1600 [755]	720	390	800	460	895	480	945	500	990	530	1035	565	1075	590	1115	1155	1195	1235	1275	1315	1355	1395	1435	1475	1515	1555	1595	1635	1675	1715	1755
1700 [802]	750	430	810	465	870	485	920	500	970	530	1015	570	1055	600	1090	645	1140	1180	1220	1260	1300	1340	1380	1420	1460	1500	1540	1580	1620	1660	1700
1800 [850]	780	475	840	515	895	540	945	555	990	600	1035	625	1080	660	1115	710	1155	1200	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	1640	1680	1720
1900 [897]	820	520	870	560	925	580	970	600	1015	640	1060	690	1115	750	1145	790	1185	1225	1265	1305	1345	1385	1425	1465	1505	1545	1585	1625	1665	1705	1745
2000 [944]	850	565	900	610	950	630	1000	665	1045	715	1090	760	1130	810	1170	865	1205	1245	1285	1325	1365	1405	1445	1485	1525	1565	1605	1645	1685	1725	1765

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

Drive Package	L						M						N (Field-Supplied)							
	Motor H.P. [W]	1/2 [373] (3/4 [559] - 575V)					3/4 [559]					6.4 Pitch Diameter					3/4 [559]			
Blower Sheave	6.9 Pitch Diameter																			
Motor Sheave	Adjustable 2.8-3.8 Pitch Diameter																			
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6	Adjustable 4.0-5.0 Pitch Diameter					
RPM	990	945	895	850	800	750	695	1270	1225	1170	1115	1065	1015	965	RPM Range 1090-1365					

Factory sheave settings are shown in bold print.  
Note: See component air resistance table in this manual.

[ ] Designates Metric Conversions



## BELT-DRIVE AIRFLOW PERFORMANCE

Air Flow CFM [L/s]	Model RJNA-A060 [17.58 kW]—Heat Pump (13 SEER)																													
	External Static Pressure—Inches of Water [kPa]																													
	0.1 [.02]		0.2 [.05]		0.3 [.07]		0.4 [.10]		0.5 [.12]		0.6 [.15]		0.7 [.17]		0.8 [.20]		0.9 [.22]		1.0 [.25]		1.1 [.27]		1.2 [.30]		1.3 [.32]		1.4 [.35]		1.5 [.37]	
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	
1400 [661]	—	—	780	370	815	385	875	425	930	460	970	490	1030	540	1065	570	1105	595	1150	615	1195	645	1235	660	1300	705	1340	745		
1500 [708]	—	—	795	405	840	415	895	440	945	500	995	540	1045	595	1080	615	1135	650	1180	675	1215	700	1255	735	1320	775	1355	805		
1600 [755]	—	—	780	390	805	425	870	470	915	510	965	560	1015	600	1060	640	1105	680	1145	705	1180	730	1225	750	1340	840	1365	880		
1700 [802]	—	—	795	450	840	490	895	530	940	570	990	605	1035	640	1075	680	1120	725	1160	755	1200	790	1245	815	1300	855	1375	940		
1800 [850]	780	455	815	470	870	540	915	540	965	675	1010	660	1055	710	1100	760	1140	785	1175	810	1225	850	1260	880	1320	930	1365	985	1390	1020
1900 [897]	800	485	850	530	895	590	945	640	995	675	1035	720	1070	775	1120	810	1160	850	1200	890	1245	915	1290	960	1335	1000	1375	1050	1405	1100
2000 [944]	830	550	880	605	930	655	970	700	1015	730	1055	790	1105	830	1145	875	1180	910	1225	950	1260	1060	1320	1035	1350	1075	1385	1120	—	—
2100 [991]	860	615	915	655	955	705	1005	760	1040	820	1090	870	1130	910	1170	950	1210	995	1250	1020	1290	1060	1335	1100	1370	1150	1400	1200	—	—
2200 [1038]	895	680	945	735	995	780	1030	830	1060	880	1120	940	1155	980	1195	1020	1240	1055	1275	1100	1320	1140	1360	1180	1385	1225	—	—	—	—
2300 [1085]	940	755	975	795	1015	830	1065	910	1100	965	1150	1025	1180	1050	1225	1095	1265	1125	1310	1175	1350	1230	1375	1260	1405	1320	—	—	—	—
2400 [1133]	970	825	1015	880	1040	925	1100	1005	1145	1055	1175	1085	1225	1140	1260	1175	1300	1210	1340	1255	1370	1315	1400	1375	—	—	—	—	—	—

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

Drive Package	L						M							
	0	1	2	3	4	5	0	1	2	3	4	5		
Motor H.P. [w]	3/4 [559]						1 [746]							
Blower Sheave	6.4 Pitch Diameter						6.4 Pitch Diameter							
Motor Sheave	Adjustable 2.8-3.8 Pitch Diameter						Adjustable 3.4-4.4 Pitch Diameter							
Turns Open	0	1	2	3	4	5	6	0	1	2	3	4	5	6
RPM	1095	1040	995	940	890	835	780	1405	1360	1305	1250	1195	1145	1095

Factory sheave settings are shown in bold print.

## COMPONENT AIR RESISTANCE

Component	Standard Indoor Airflow—CFM [L/s]						Resistance—Inches Water [kPa]									
	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]	2200 [1038]	2400 [1133]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]	2200 [1038]	2400 [1133]
Wet Coil	.035	.040	.060	.070	.085	.100	.110	.070	.085	.100	.110	.120	.130	.140	.150	.160
Downflow	.055	.060	.066	.072	.080	.086	.093	.086	.093	.100	.107	.114	.121	.128	.135	.142
Economizer R.A. Damper	.05	.06	.07	.08	.09	.10	.11	.10	.11	.12	.13	.14	.15	.16	.17	.18

### NOTES:

- Performance shown with dry coil, standard 1" [25.4 mm] filters & side discharge. Add component resistance to determine total E.S.P.
- Standard CFM @ .075 lbs./cu. ft.
- Motor efficiency = 80%
- BHP =  $\frac{\text{Watts} \times \text{Motor Eff.}}{746}$

[ ] Designates Metric Conversions



ELECTRICAL DATA – RJNA SERIES															
		-A036CK	-A036CL	-A036CM	-A036DK	-A036DL	-A036DM	-A036JK	-A042CK	-A042CL	-A042CM	-A042DK	-A042DL	-A042DM	-A042JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506	414-506	187-253	187-253	187-253	187-253	414-506	414-506	414-506	187-253
	Minimum Circuit Ampacity	19/19	18/18	19/19	9	9	9	25/25	20/20	19/19	20/20	10	10	10	27/27
	Minimum Overcurrent Protection Device Size	25/25	20/20	25/25	15	15	15	30/30	25/25	25/25	25/25	15	15	15	35/35
	Maximum Overcurrent Protection Device Size	25/25	25/25	25/25	15	15	15	35/35	25/25	25/25	25/25	15	15	15	40/40
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	460	208/230
	Phase	3	3	3	3	3	3	1	3	3	3	3	3	3	1
	HP	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	9.6/9.6	9.6/9.6	9.6/9.6	4.8	4.8	4.8	15/15	10.3/10.3	10.3/10.3	10.3/10.3	5.1	5.1	5.1	16.5/16.5
	Amps (LRA)	77/77	77/77	77/77	35	35	35	83/83	77/77	77/77	77/77	39	39	39	95/95
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	460	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	2.2	2.2	2.2	1	1	1	2.2	2.2	2.2	2.2	1	1	1	2.2
	Amps (LRA)	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7	2.4	2.4	2.4	4.7
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	460	208/230
	Phase	1	3	3	1	3	3	1	1	3	3	1	3	3	1
	HP	1/2	1/2	3/4	1/2	1/2	3/4	1/2	1/2	1/2	3/4	1/2	1/2	3/4	1/2
	Amps (FLA)	2.7	2.2	3.2	1.5	1.1	1.6	2.7	2.7	2.2	3.2	1.5	1.1	1.6	2.7
	Amps (LRA)	6.5	10.6	16.8	3.6	5.3	8.4	6.5	6.5	10.6	16.8	3.6	5.3	8.4	6.5

1. Horsepower Per Compressor.

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



ELECTRICAL DATA – RJNA SERIES														
		-A048CK	-A048CL	-A048CM	-A048DK	-A048DL	-A048DM	-A048JK	-A060CK	-A060CL	-A060CM	-A060DL	-A060DM	-A060JK
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506	414-506	187-253	187-253	187-253	187-253	414-506	414-506	187-253
	Minimum Circuit Ampacity	22/22	21/21	22/22	11	11	11	30/30	32/32	28/28	28/28	14	14	46/46
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	15	15	15	35/35	40/40	35/35	35/35	20	20	60/60
	Maximum Overcurrent Protection Device Size	30/30	30/30	30/30	15	15	15	45/45	45/45	45/45	45/45	20	20	60/60
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	208/230
	Phase	3	3	3	3	3	3	1	3	3	3	3	3	1
	HP	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5	5	5	5	5	5
	RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	12.4/12.4	12.4/12.4	12.4/12.4	6.4	6.4	6.4	18.3/18.3	17.3/17.3	17.3/17.3	17.3/17.3	8.2	8.2	28.8/28.8
	Amps (LRA)	88/88	88/88	88/88	44	44	44	109/109	123/123	123/123	123/123	62	62	148/148
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	208/230
	Phase	1	1	1	1	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA)	2.2	2.2	2.2	1	1	1	2.2	2.2	2.2	2.2	1	1	2.2
	Amps (LRA)	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7	2.4	2.4	4.7
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460	208/230	208/230	208/230	208/230	460	460	208/230
	Phase	1	3	3	1	3	3	1	1	3	3	3	3	1
	HP	1/2	1/2	3/4	1/2	1/2	3/4	1/2	1	3/4	1	3/4	1	1
	Amps (FLA)	2.7	2.2	3.2	1.5	1.1	1.6	2.7	7.6	3.2	3.8	1.6	1.9	7.6
	Amps (LRA)	6.5	10.6	16.8	3.6	5.3	8.4	6.5	0	16.8	24	8.4	12	0

1. Horsepower Per Compressor.

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



# UNITS WITH HEATER KITS—RJNA- SERIES



208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Model No. RJNA-	RXJ-Heater Kit Nominal kW	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Separate Power Supply For Both Unit and Heater Kit					
						Min./Max. @ 208 V	Min./Max. @ 240 V	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity 208-240 V	Heat Pump Over Current Protective Device Size Min./Max. @ 208 V	Heat Pump Over Current Protective Device Size Min./Max. @ 240 V	
A036CK	No Heat	—	—	—	19/19	25/25	25/25	19/19	—	—	19/19	25/25	25/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	33/36	35/35	40/40	33/36	15/17	15/20	15/17	25/25	25/25
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	44/48	45/45	50/50	44/48	25/29	25/30	25/29	25/25	25/30
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	44/48	45/45	50/50	44/48	25/29	25/30	25/29	25/25	25/30
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	48/52	50/50	60/60	48/52	30/34	30/35	30/34	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	56/62	60/60	70/70	56/62	38/44	40/45	38/44	—	—
A042CK	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	69/76	50/58	50/60	50/58	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	69/76	50/58	50/60	50/58	—	—
	No Heat	—	—	—	20/20	25/25	25/25	20/20	—	—	—	25/25	25/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	34/36	35/40	40/40	34/36	15/17	15/20	15/17	25/25	25/25
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	45/48	45/45	50/50	45/48	25/29	25/30	25/29	25/25	25/30
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	45/48	45/45	50/50	45/48	25/29	25/30	25/29	25/25	25/30
A048CK	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	49/53	50/50	60/60	49/53	30/34	30/35	30/34	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	57/63	60/60	70/70	57/63	38/44	40/45	38/44	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	70/77	70/70	80/80	70/77	50/58	50/60	50/58	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	70/77	70/70	80/80	70/77	50/58	50/60	50/58	—	—
	No Heat	—	—	—	22/22	25/30	25/30	22/22	—	—	—	25/30	25/30
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	37/39	40/45	40/45	37/39	15/17	15/20	15/17	25/30	25/30
A060CK	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	47/51	50/50	60/60	47/51	25/29	25/30	25/29	25/30	25/30
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	47/51	50/50	60/60	47/51	25/29	25/30	25/29	25/30	25/30
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	51/56	60/60	60/60	51/56	30/34	30/35	30/34	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	60/66	60/60	70/70	60/66	38/44	40/45	38/44	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	72/80	80/80	80/80	72/80	50/58	50/60	50/58	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	72/80	80/80	80/80	72/80	50/58	50/60	50/58	—	—
A060CK	No Heat	—	—	—	32/32	40/45	40/45	32/32	—	—	—	40/45	40/45
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	47/49	50/60	50/60	47/49	15/17	15/20	15/17	25/30	25/30
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	57/61	60/60	70/70	57/61	25/29	25/30	25/29	25/30	25/30
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	57/61	60/60	70/70	57/61	25/29	25/30	25/29	25/30	25/30
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	61/66	70/70	70/70	61/66	30/34	30/35	30/34	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	70/75	70/70	80/80	70/75	38/44	40/45	38/44	—	—
A060CK	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	82/90	90/90	90/90	82/90	50/58	50/60	50/58	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	82/90	90/90	90/90	82/90	50/58	50/60	50/58	—	—

+ Field Installed Only

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





# UNITS WITH HEATER KITS—RJNA- SERIES

208-240 VOLT, THREE PHASE, 60 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. RJNA-	RX&J- Heater Kit Nominal kW	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity 208-240 V	Heat Pump Over Current Protective Device Size	
						Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
A036CL	No Heat	—	—	—	18/18	20/25	20/25	—	—	18/18	20/25	20/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	32/35	35/35	35/40	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	43/47	45/45	50/50	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	43/47	45/45	50/50	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	47/51	50/50	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	55/61	60/60	70/70	38/44	40/45	—	—	—
A042CL	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	68/75	70/70	80/80	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	68/75	70/70	80/80	50/58	50/60	—	—	—
	No Heat	—	—	—	19/19	25/25	25/25	—	—	19/19	25/25	25/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	33/35	35/40	35/40	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	44/47	45/45	50/50	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	44/47	45/45	50/50	25/29	25/30	—	—	—
A048CL	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	48/52	50/50	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	56/62	60/60	70/70	38/44	40/45	—	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	50/58	50/60	—	—	—
	No Heat	—	—	—	21/21	25/30	25/30	—	—	21/21	25/30	25/30
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	36/38	40/40	40/45	15/17	15/20	—	—	—
A060CL	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	46/50	50/50	50/50	25/29	25/30	—	—	—
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	46/50	50/50	50/50	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	50/55	50/50	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	59/65	60/60	70/70	38/44	40/45	—	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	71/79	80/80	80/80	50/58	50/60	—	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	71/79	80/80	80/80	50/58	50/60	—	—	—
A066CL	No Heat	—	—	—	28/28	35/45	35/45	—	—	28/28	35/45	35/45
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	43/45	45/50	45/50	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	53/57	60/60	60/60	25/29	25/30	—	—	—
	*A11C+	7.2/9.6	24.56/32.75	20.0/23.1	53/57	60/60	60/60	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	58/62	60/60	70/70	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	66/72	70/70	80/80	38/44	40/45	—	—	—
A20C+	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	78/86	80/80	80/80	50/58	50/60	—	—	—
	*A21C+	14.4/19.2	49.13/65.51	40.1/46.2	78/86	80/80	80/80	50/58	50/60	—	—	—
	A24C+	18.0/24.0	61.41/81.88	50.1/57.8	78/86	100/100	110/110	50/58	50/60	—	—	—

+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.



208-240 VOLT, THREE PHASE, 60 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. RJNA-	RXJ- Heater Kit Nominal kW	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ampacity @ 208-240 V	Heat Pump Over Current Protective Device Size	
						Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
A036CM	No Heat	—	—	—	19/19	25/25	25/25	—	—	19/19	25/25	25/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	33/36	35/35	40/40	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	44/48	45/45	50/50	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	44/48	45/45	50/50	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	48/52	50/50	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	56/62	60/60	70/70	38/44	40/45	—	—	—
A042CM	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	69/76	70/70	80/80	50/58	50/60	—	—	—
	No Heat	—	—	—	20/20	25/25	25/25	—	—	20/20	25/25	25/25
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	34/36	35/40	40/40	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	45/48	45/45	50/50	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	45/48	45/45	50/50	25/29	25/30	—	—	—
A048CM	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	49/53	50/50	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	57/63	60/60	70/70	38/44	40/45	—	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	70/77	70/70	80/80	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	70/77	70/70	80/80	50/58	50/60	—	—	—
	No Heat	—	—	—	22/22	25/30	25/30	—	—	22/22	25/30	25/30
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	37/39	40/45	40/45	15/17	15/20	—	—	—
A060CM	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	47/51	50/50	60/60	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	47/51	50/50	60/60	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	51/56	60/60	60/60	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	60/66	60/60	70/70	38/44	40/45	—	—	—
	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	72/80	80/80	80/80	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	72/80	80/80	80/80	50/58	50/60	—	—	—
A24C+	No Heat	—	—	—	28/28	35/45	35/45	—	—	28/28	35/45	35/45
	A06C+	4.2/5.6	14.33/19.10	11.7/13.5	43/45	45/50	45/50	15/17	15/20	—	—	—
	A10C+	7.2/9.6	24.56/32.75	20.0/23.1	53/57	60/60	60/60	25/29	25/30	—	—	—
	A11C+	7.2/9.6	24.56/32.75	20.0/23.1	53/57	60/60	60/60	25/29	25/30	—	—	—
	A12C+	8.4/11.2	28.66/38.21	23.4/27.0	58/62	60/60	70/70	30/34	30/35	—	—	—
	A15C+	10.8/14.4	36.84/49.13	30.1/34.7	66/72	70/70	80/80	38/44	40/45	—	—	—
A24C+	A20C+	14.4/19.2	49.13/65.51	40.1/46.2	78/86	80/80	90/90	50/58	50/60	—	—	—
	A21C+	14.4/19.2	49.13/65.51	40.1/46.2	78/86	80/80	90/90	50/58	50/60	—	—	—
	A24C+	18.0/24.0	61.41/81.88	50.1/57.8	78/86	100/100	110/110	50/58	50/60	—	—	—

+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.



480 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Model No. RJNA-	RXJJ- Heater Kit Nominal kW	Rated Heater kW @ 480 V	Heater KBTU/Hr @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size		Separate Power Supply For Both Unit and Heater Kit					
						Min./Max. @ 480 V	Min./Max. @ 480 V	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity @ 480 V	Heat Pump Over Current Protective Device Size		
												Min./Max. @ 480 V	Min./Max. @ 480 V
A036DK	No Heat	—	—	—	9	15	15	—	—	—	9	15	15
	A06D+	5.6	19.10	6.7	18	20	20	15	9	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15
	A12D+	11.2	38.21	13.5	26	30	30	20	17	20	20	25	—
	A15D+	14.4	49.13	17.3	31	35	35	25	22	25	25	—	—
A042DK	A20D+	19.2	65.51	23.1	38	40	40	30	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	38	40	40	30	29	30	—	—	—
	No Heat	—	—	—	10	15	15	—	—	—	10	15	15
	A06D+	5.6	19.10	6.7	18	20	20	15	9	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15
A048DK	A12D+	11.2	38.21	13.5	27	30	30	20	17	20	—	—	—
	A15D+	14.4	49.13	17.3	31	35	35	25	22	25	—	—	—
	A20D+	19.2	65.51	23.1	39	40	40	30	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	39	40	40	30	29	30	—	—	—
	No Heat	—	—	—	11	15	15	—	—	—	11	15	15
	A06D+	5.6	19.10	6.7	20	20	20	15	9	15	15	15	15
A048DK	A10D+	9.6	32.75	11.6	26	30	30	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	26	30	30	15	15	15	15	15	15
	A12D+	11.2	38.21	13.5	28	30	30	20	17	20	—	—	—
	A15D+	14.4	49.13	17.3	33	35	35	25	22	25	—	—	—
	A20D+	19.2	65.51	23.1	40	40	40	30	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	40	40	40	30	29	30	—	—	—

+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.

# UNITS WITH HEATER KITS—RJNA- SERIES



480 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION														
Model No. RJNA-	RXJ- Heater Kit Nominal kW	Rated Heater kW @ 480 V	Heater KBTU/Hr @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size @ 480 V		Separate Power Supply For Both Unit and Heater Kit						
						Min./Max.	Min./Max.	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity @ 480 V	Heat Pump Over Current Protective Device Size Min./Max. @ 480 V	Heat Pump Over Current Protective Device Size Min./Max. @ 480 V		
A036DL	No Heat	—	—	—	9	15	15	9	—	—	—	—	—	—
	A06D+	5.6	19.10	6.7	18	20	20	15	15	15	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15	15
	A12D+	11.2	38.21	13.5	26	30	30	17	20	20	20	25	25	—
	A15D+	14.4	49.13	17.3	31	35	35	22	25	—	—	—	—	—
A042DL	A20D+	19.2	65.51	23.1	38	40	40	30	30	—	—	—	—	—
	*A21D+	19.2	65.51	23.1	38	40	40	29	30	—	—	—	—	—
	No Heat	—	—	—	10	15	15	—	—	10	15	15	15	15
	A06D+	5.6	19.10	6.7	18	20	20	9	15	15	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	15	15	15	15	15	15	15
A048DL	A12D+	11.2	38.21	13.5	27	30	30	17	20	20	20	25	25	—
	A15D+	14.4	49.13	17.3	31	35	35	22	25	—	—	—	—	—
	A20D+	19.2	65.51	23.1	39	40	40	30	30	—	—	—	—	—
	*A21D+	19.2	65.51	23.1	39	40	40	29	30	—	—	—	—	—
	No Heat	—	—	—	11	15	15	—	—	11	15	15	15	15
	A06D+	5.6	19.10	6.7	20	20	20	9	15	15	15	15	15	15
A060DL	A10D+	9.6	32.75	11.6	26	30	30	15	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	26	30	30	15	15	15	15	15	15	15
	A12D+	11.2	38.21	13.5	28	30	30	17	20	20	20	20	20	20
	A15D+	14.4	49.13	17.3	33	35	35	22	25	—	—	—	—	—
	A20D+	19.2	65.51	23.1	40	40	40	30	30	—	—	—	—	—
	*A21D+	19.2	65.51	23.1	40	40	40	29	30	—	—	—	—	—
A060DL	No Heat	—	—	—	14	20	20	—	—	14	20	20	20	20
	A06D+	5.6	19.10	6.7	22	25	25	9	15	15	15	15	15	15
	A10D+	9.6	32.75	11.6	28	30	30	15	15	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	28	30	30	15	15	15	15	15	15	15
	A12D+	11.2	38.21	13.5	31	35	35	17	20	20	20	20	20	20
	A15D+	14.4	49.13	17.3	35	35	35	22	25	—	—	—	—	—
A060DL	A20D+	19.2	65.51	23.1	43	45	45	30	30	—	—	—	—	—
	*A21D+	19.2	65.51	23.1	43	45	45	29	30	—	—	—	—	—
	A24D+	24.0	81.88	28.9	50	50	50	37	40	—	—	—	—	—

+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.



# UNITS WITH HEATER KITS—RJNA- SERIES

480 VOLT, THREE PHASE, 60 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. RJNA-	RXJJ- Heater Kit Nominal kW	Rated Heater kW @ 480 V	Heater KBTU/Hr @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size		Heat Pump Min. Ckt. Ampacity @ 480 V	Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size	
						Min./Max. @ 480 V	Min./Max. @ 480 V					Min./Max. @ 480 V	Min./Max. @ 480 V
A036DM	No Heat	—	—	—	9	15	15	9	—	—	9	15	15
	A06D+	5.6	19.10	6.7	18	20	20	15	9	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	25	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	30	17	20	—	—	—
	A12D+	11.2	38.21	13.5	26	30	30	35	22	25	—	—	—
	A15D+	14.4	49.13	17.3	31	40	40	40	30	30	—	—	—
A042DM	A20D+	19.2	65.51	23.1	38	40	40	40	29	—	—	—	—
	*A21D+	19.2	65.51	23.1	38	40	40	40	29	—	—	—	—
	No Heat	—	—	—	10	15	15	10	—	—	10	15	15
	A06D+	5.6	19.10	6.7	18	20	20	25	9	15	15	15	15
	A10D+	9.6	32.75	11.6	24	25	25	25	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	24	25	25	30	17	20	—	—	—
A048DM	A12D+	11.2	38.21	13.5	27	30	30	35	22	25	—	—	—
	A15D+	14.4	49.13	17.3	31	35	35	40	30	30	—	—	—
	A20D+	19.2	65.51	23.1	39	40	40	40	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	39	40	40	40	29	30	—	—	—
	No Heat	—	—	—	11	15	15	11	—	—	11	15	15
	A06D+	5.6	19.10	6.7	20	20	20	20	9	15	15	15	15
A060DM	A10D+	9.6	32.75	11.6	26	30	30	30	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	26	30	30	30	15	15	15	15	15
	A12D+	11.2	38.21	13.5	28	30	30	35	17	20	—	—	—
	A15D+	14.4	49.13	17.3	33	35	35	40	22	25	—	—	—
	A20D+	19.2	65.51	23.1	40	40	40	40	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	40	40	40	40	29	30	—	—	—
A060DM	No Heat	—	—	—	14	20	20	14	—	—	14	20	20
	A06D+	5.6	19.10	6.7	22	25	25	20	9	15	15	15	15
	A10D+	9.6	32.75	11.6	28	30	30	30	15	15	15	15	15
	*A11D+	9.6	32.75	11.6	28	30	30	30	15	15	15	15	15
	A12D+	11.2	38.21	13.5	31	35	35	35	17	20	—	—	—
	A15D+	14.4	49.13	17.3	35	35	35	45	22	25	—	—	—
A060DM	A20D+	19.2	65.51	23.1	43	45	45	45	30	30	—	—	—
	*A21D+	19.2	65.51	23.1	43	45	45	45	29	30	—	—	—
	*A24D+	24.0	81.88	28.9	50	50	50	50	37	40	—	—	—

+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.

# UNITS WITH HEATER KITS—RJNA- SERIES

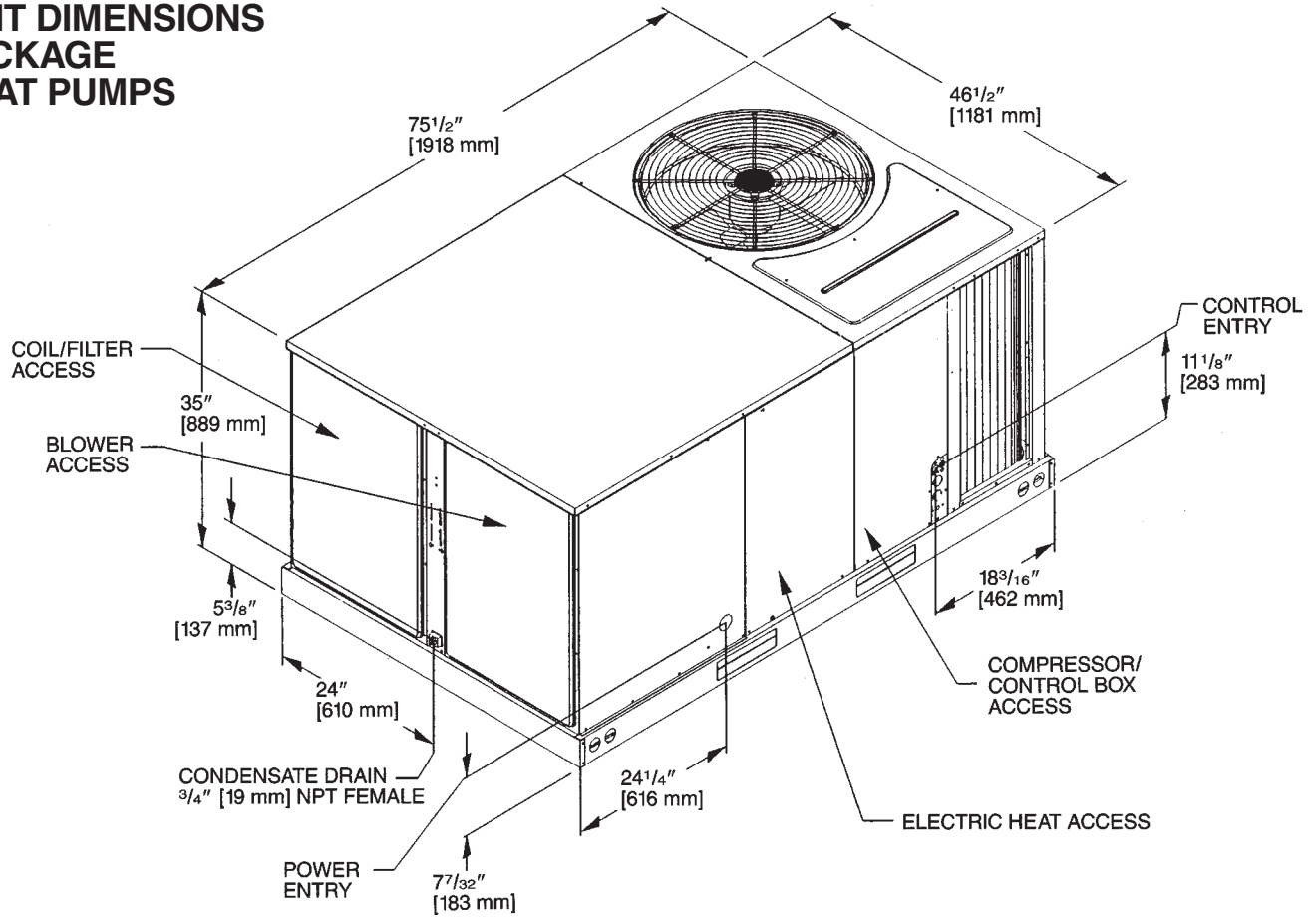


208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION														
Model No. RJNA-	Single Power Supply For Both Unit and Heater Kit							Separate Power Supply For Both Unit and Heater Kit						
	RXJJ- Heater Kit Nominal kW	Rated Heater kW @ 208-240 V	Heater KBTU/Hr @ 208-240 V	Heater Amp. @ 208-240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size @ 240 V		Heater Kit Min. Ckt. Ampacity	Heater Kit Max. Fuse Size	Heat Pump Min. Ckt. Ampacity 208-240 V	Heat Pump Over Current Protective Device Size @ 240 V			
						Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V		
A036JK	No Heat	—	—	—	25/25	30/35	30/35	—	—	25/25	30/35	30/35		
	A06J+	4.2/5.6	14.33/19.10	20.2/23.3	51/55	60/60	60/60	26/30	30/30	—	—	—		
	A10J+	7.2/9.6	24.56/32.75	34.7/40.0	69/75	70/70	80/80	44/50	45/50	—	—	—		
	*A11J+	7.2/9.6	24.56/32.75	34.7/40.0	69/75	70/70	80/80	44/50	45/50	—	—	—		
	A12J+	8.4/11.2	28.66/38.21	40.4/46.7	76/84	80/80	90/90	51/59	60/60	—	—	—		
	A15J+	10.8/14.4	36.84/49.13	52.0/60.0	90/100	90/90	100/100	65/75	70/80	—	—	—		
A042JK	A20J+	14.4/19.2	49.13/65.51	69.3/80.0	112/125	125/125	125/125	87/100	90/100	—	—	—		
	*A21J+	14.4/19.2	49.13/65.51	69.3/80.0	112/125	125/125	125/125	87/100	90/100	—	—	—		
	No Heat	—	—	—	27/27	35/40	35/40	—	—	27/27	35/40	35/40		
	A06J+	4.2/5.6	14.33/19.10	20.2/23.3	53/56	60/60	60/60	26/30	30/30	—	—	—		
	A10J+	7.2/9.6	24.56/32.75	34.7/40.0	71/77	80/80	80/80	44/50	45/50	—	—	—		
	*A11J+	7.2/9.6	24.56/32.75	34.7/40.0	71/77	80/80	80/80	44/50	45/50	—	—	—		
A048JK	A12J+	8.4/11.2	28.66/38.21	40.4/46.7	78/86	80/80	90/90	51/59	60/60	—	—	—		
	A15J	10.8/14.4	36.84/49.13	52.0/60.0	92/102	100/100	110/110	65/75	70/80	—	—	—		
	A20J+	14.4/19.2	49.13/65.51	69.3/80.0	114/127	125/125	150/150	87/100	90/100	—	—	—		
	A21J+	14.4/19.2	49.13/65.51	69.3/80.0	114/127	125/125	150/150	87/100	90/100	—	—	—		
	No Heat	—	—	—	30/30	35/45	35/45	—	—	30/30	35/45	35/45		
	A06J+	4.2/5.6	14.33/19.10	20.2/23.3	55/59	60/60	60/70	26/30	30/30	—	—	—		
A060JK	A10J+	7.2/9.6	24.56/32.75	34.7/40.0	73/80	80/80	80/80	44/50	45/50	—	—	—		
	*A11J+	7.2/9.6	24.56/32.75	34.7/40.0	73/80	80/80	80/80	44/50	45/50	—	—	—		
	A12J+	8.4/11.2	28.66/38.21	40.4/46.7	80/88	80/80	90/90	51/59	60/60	—	—	—		
	A15J	10.8/14.4	36.84/49.13	52.0/60.0	95/105	100/100	110/110	65/75	70/80	—	—	—		
	A20J	14.4/19.2	49.13/65.51	69.3/80.0	116/130	125/125	150/150	87/100	90/100	—	—	—		
	*A21J+	14.4/19.2	49.13/65.51	69.3/80.0	116/130	125/125	150/150	87/100	90/100	—	—	—		
A066JK	No Heat	—	—	—	46/46	60/60	60/60	—	—	46/46	60/60	60/60		
	A06J+	4.2/5.6	14.33/19.10	20.2/23.3	72/75	80/90	80/90	26/30	30/30	—	—	—		
	A10J+	7.2/9.6	24.56/32.75	34.7/40.0	90/96	100/110	100/110	44/50	45/50	—	—	—		
	*A11J+	7.2/9.6	24.56/32.75	34.7/40.0	90/96	100/110	100/110	44/50	45/50	—	—	—		
	A12J+	8.4/11.2	28.66/38.21	40.4/46.7	97/105	100/110	110/110	51/59	60/60	—	—	—		
	A15J	10.8/14.4	36.84/49.13	52.0/60.0	111/121	125/125	125/125	65/75	70/80	—	—	—		
A072JK	A20J	14.4/19.2	49.13/65.51	69.3/80.0	133/146	150/150	150/150	87/100	90/100	—	—	—		
	*A21J+	14.4/19.2	49.13/65.51	69.3/80.0	133/146	150/150	150/150	87/100	90/100	—	—	—		

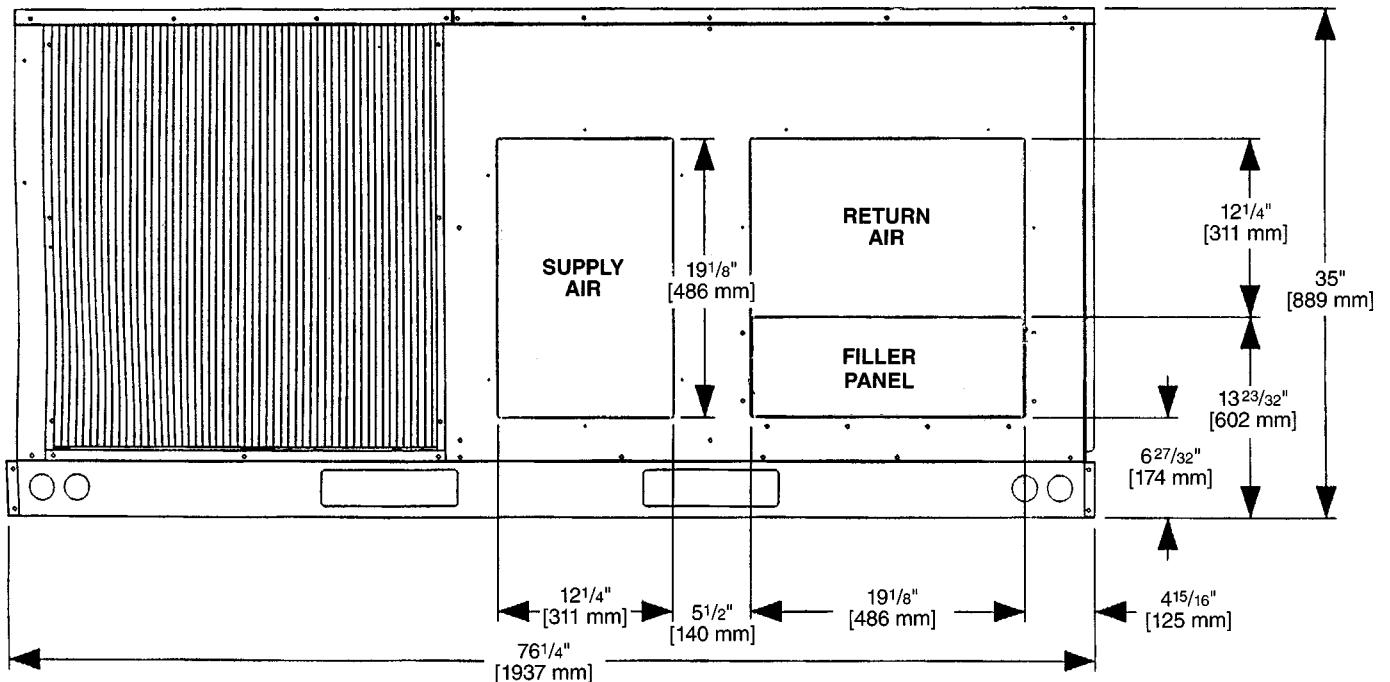
+ Field Installed Only  
 \* = For Canadian Use Only. Uses "P" Fuses for Inductive Circuit.



## UNIT DIMENSIONS PACKAGE HEAT PUMPS



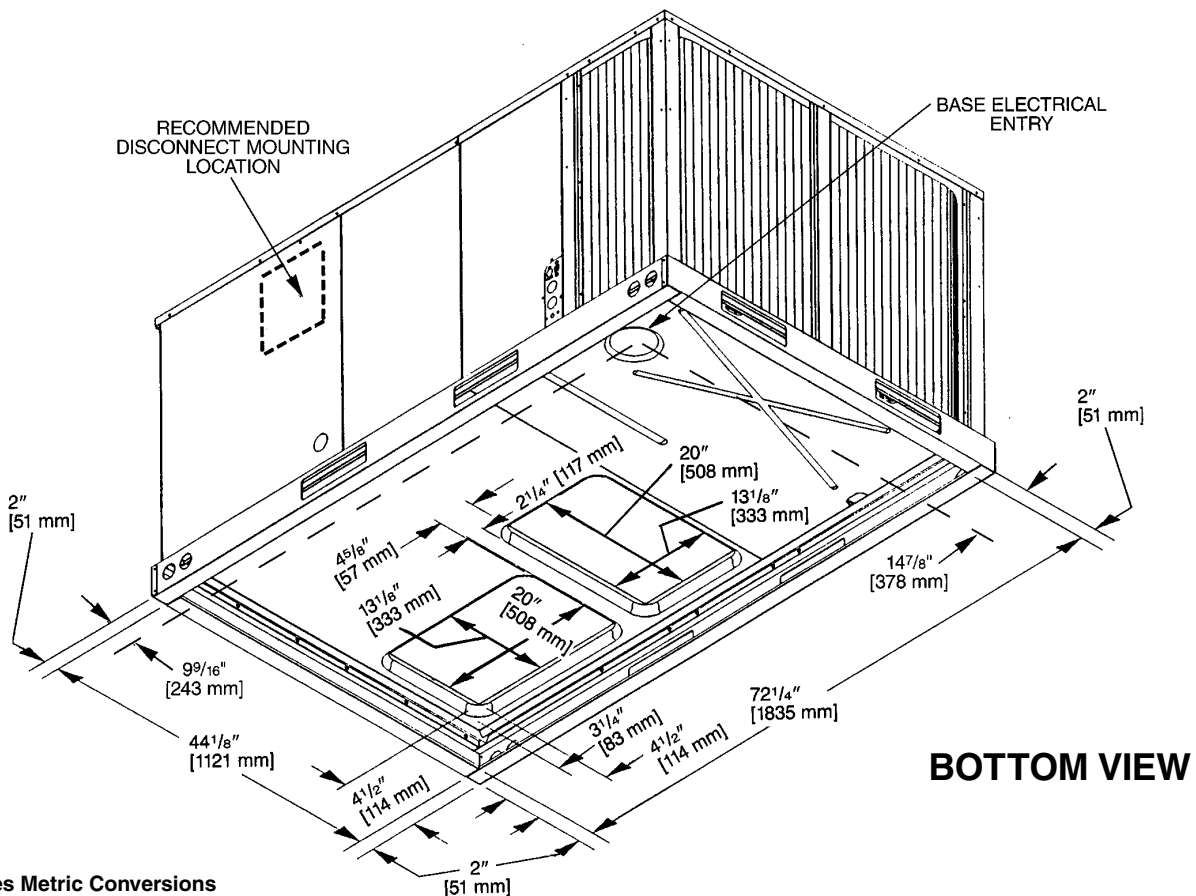
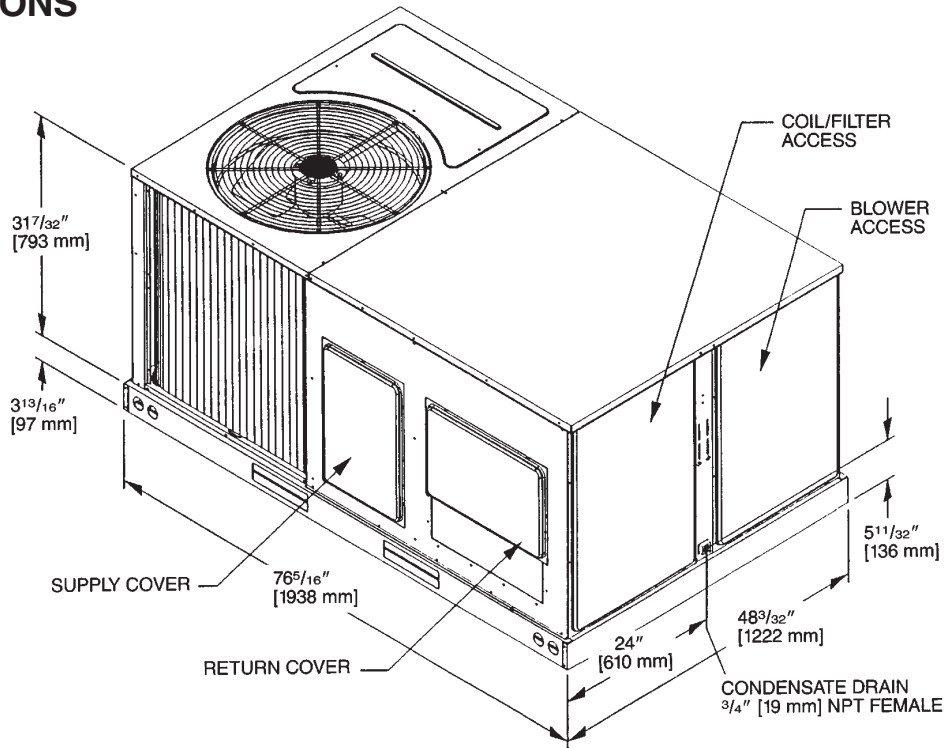
## SUPPLY AND RETURN DIMENSIONS



[ ] Designates Metric Conversions



## UNIT DIMENSIONS PACKAGE HEAT PUMPS



**BOTTOM VIEW**

[ ] Designates Metric Conversions





## SELECTION PROCEDURE

### 1. Determine cooling and heating requirements at design conditions.

Example:

Total cooling capacity .....43,600 BTUH [12.78 kW]  
 Sensible cooling capacity .....34,000 BTUH [9.96 kW]  
 Condenser entering air .....95°F [35°C]  
 Evaporator entering air .....63°F [17°C] wb/76°F [24°C] db  
 Indoor air flow .....1600 CFM [755 L/s]  
 External static pressure .....1.1 in wg  
 Required efficiency .....13 SEER

### 2. Select unit to meet cooling requirements.

Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 13 SEER efficiency level, enter cooling performance table, at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:  
 Total capacity .....46,700 BTUH [13.68 kW]  
 Power input .....3.3 kW

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

Sensible capacity .....33,710 BTUH [9.87 kW]

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

At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance table at 1600 CFM [755 L/s] and 1.1 in wg ESP:

RPM .....1205  
 Watts .....725  
 Drive .....M

### 4. Calculate indoor blower BTUH heat effect.

BTUH = Watts x 3.413 = 2474

### 5. Calculate net cooling capacities.

Net total cooling = 46,700 – 2474 = 44,226 BTUH [12.96 kW]  
 Net sensible cooling = 33,716 – 2474 = 31.242 BTUH [9.16 kW]

## WEIGHTS

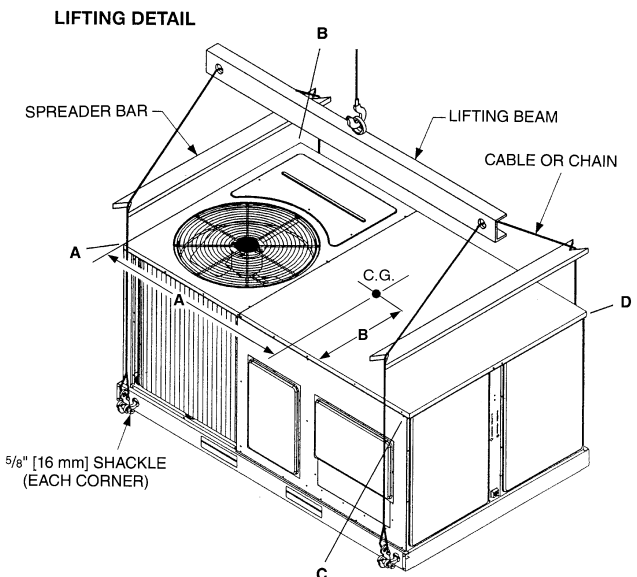
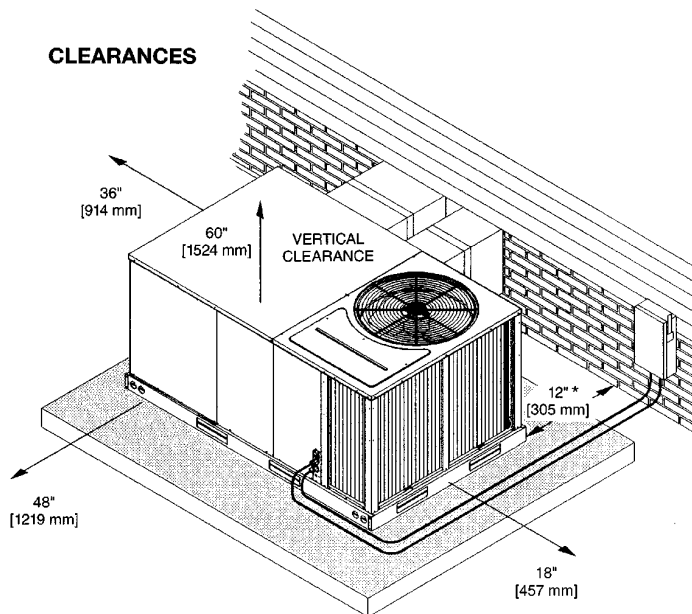
Accessory	3-5 Ton [10.6-17.6 kW]	
	Shipping	Operating
	lbs [kg]	lbs [kg]
Economizer with Single Enthalpy	70 [32]	60 [27]
Power Exhaust	70 [32]	67 [30]
Fresh Air Damper (Manual)	11 [5]	9 [4]
Fresh Air Damper (Motorized)	13 [6]	11 [5]
Roof Curb 14"	92 [42]	88 [40]
Roof Curb 24"	108 [49]	104 [47]
Concentric Diffuser 18" Flush	37 [17]	26 [12]
Concentric Diffuser 20" Flush	54 [24]	42 [19]
Side Discharge Concentric Diffuser RXRN-FA60	35 [16]	20 [9]
Side Discharge Concentric Diffuser RXRN-FA65	55 [25]	40 [18]

### CENTER OF GRAVITY (C.G.)

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

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

[ ] Designates Metric Conversions



\*Allow 57" for economizer on duct side.

## ACCESSORY EQUIPMENT

Accessory Description	Model Application 3 to 5 Ton [10.6 to 17.6 kW]	Accessory Model No. 3 to 5 Ton [10.6 to 17.6 kW]	Factory Installed 3 to 5 Ton [10.6 to 17.6 kW]
Thermostats	RJNA-	See Thermostat Specification Sheet (T11-001)	No
Electric Heater Kits	RJNA-	RXJJ-A06 (J, C, D) RXJJ-A10 (J, C, D) RXJJ-A11 (J, C, D) RXJJ-A12 (J, C, D) RXJJ-A15 (J, C, D) RXJJ-A20 (J, C, D) RXJJ-A21 (J, C, D) RXJJ-A24 (J, C, D)	See Heater Kit Electric Table
Roofcurb 14"	RJNA-	RXKG-CAD14	No
Roofcurb 24"	RJNA-	RXKG-CAD24	No
Roofcurb Adapters	RJNA-	RXRX-BBCDB21 RXRX-BBCDB22 RXRX-BBCDB23	No
Economizer with Single Enthalpy ①	RJNA-	RXRD-MECM3	Yes
Dual Enthalpy Kit	RJNA-	RXRX-AV02	No
CO <sub>2</sub> Sensor	RJNA-	RXRX-AR02	No
Power Exhaust	RJNA-	RXRX-BGF04 (C, D, Y)	No
Fresh Air Damper Manual	RJNA-	RXRF-FBA1	No
Fresh Air Damper Motorized	RJNA-	RXRF-FBB1	No
Rectangular to Round 18" Duct Adapters for Concentric Diffuser	RJNA-	RXMC-CB03	No
Concentric Diffuser 18" Step	RJNA-	RXRN-FA60	No
Concentric Diffuser 18" Flush	RJNA-	RXRN-FA70	No
Rectangular to Round 16" Side	RJNA-	RXMC-BB01	No
Louver Kit (3 Sides)	All RJNA Models	RXRX-AAD01B	Yes
Time Delay	RJNA-	RXMD-B01	Yes
Low Ambient Control to 0°F [-18°C]	RJNA-	RXPZ-C01	Yes

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

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

## THERMOSTATS



**300-Series \***  
Deluxe Programmable



**200-Series \***  
Programmable



**100-Series \***  
Non-Programmable

**400-Series \***  
Special Applications/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	GE=Gas/Oil/Electric	SS=Single-Stage
			200=Programmable	HP=Heat Pump	MS=Multi-Stage
			300=Deluxe Programmable	MD=Modulating Furnace	
			400=Special Applications/Programmable	DF=Dual Fuel	
			UN=Universal AC/HP/GE		

\* 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])

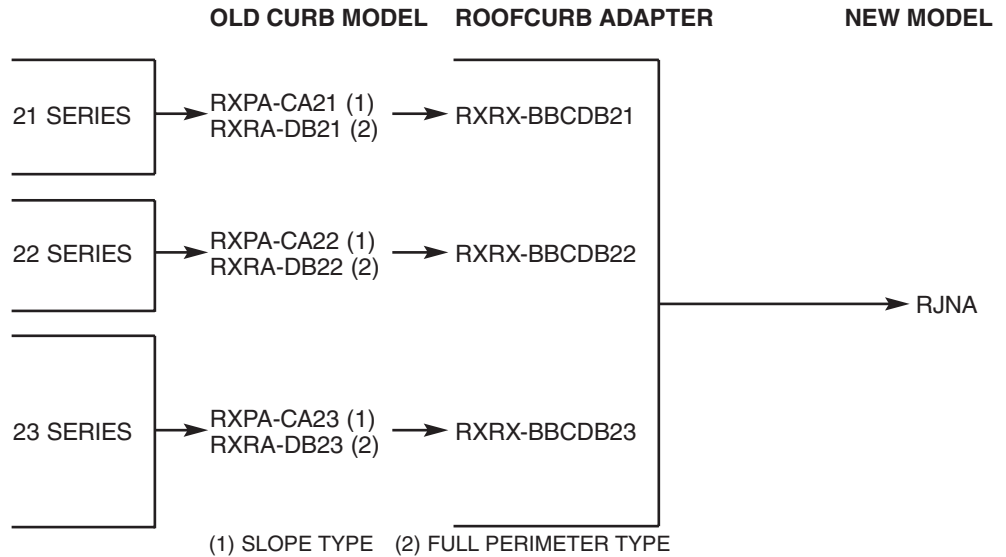
(-)SNC, (-)SND, (-)SNE  
 (-)RGE, (-)RGF, (-)RGG  
 (-)PNC, (-)PND

#### 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])

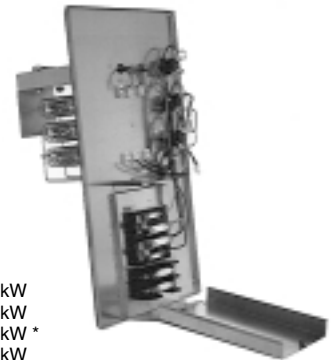
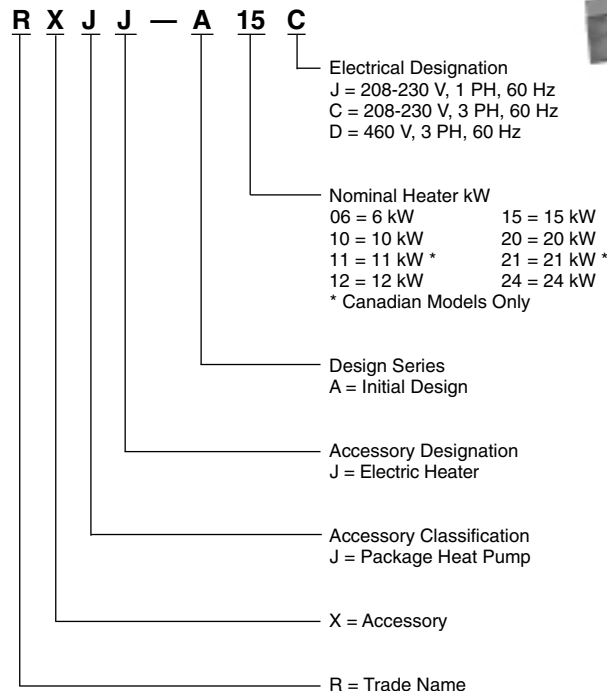


## Field Installed Resistance Heater Kits

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

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

[ ] Designates Metric Conversions

## TYPICAL INSTALLATION

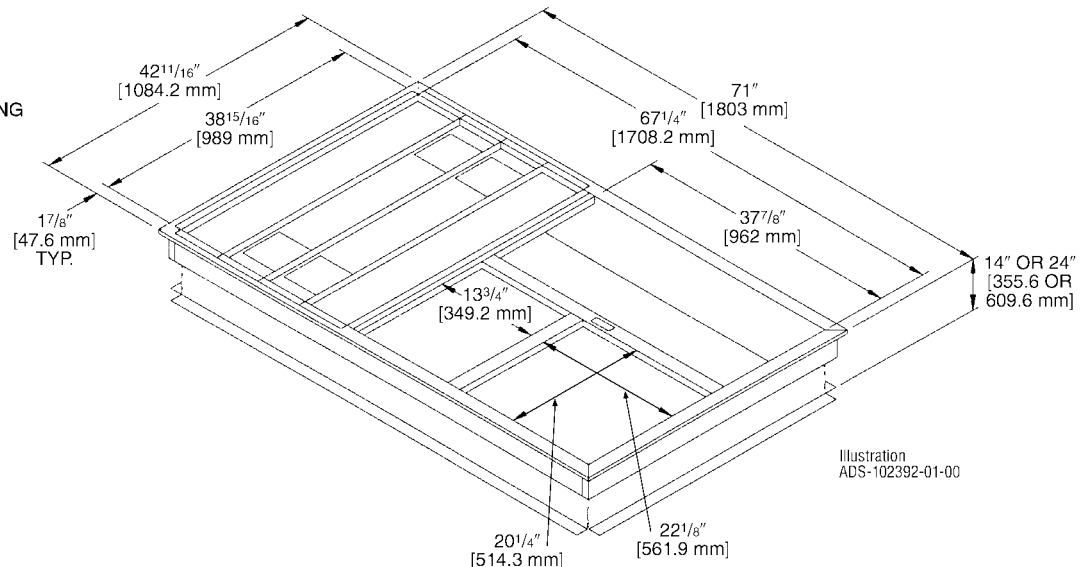
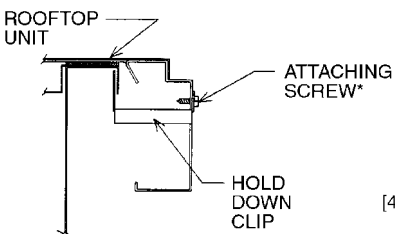
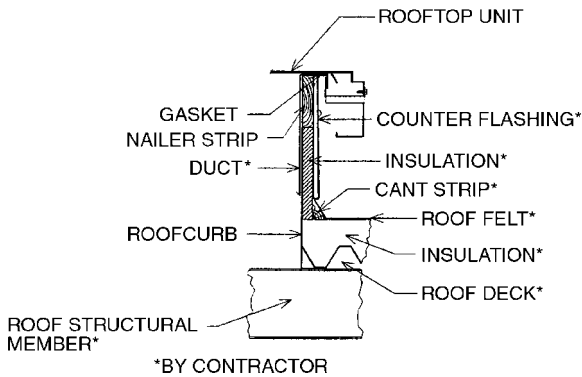
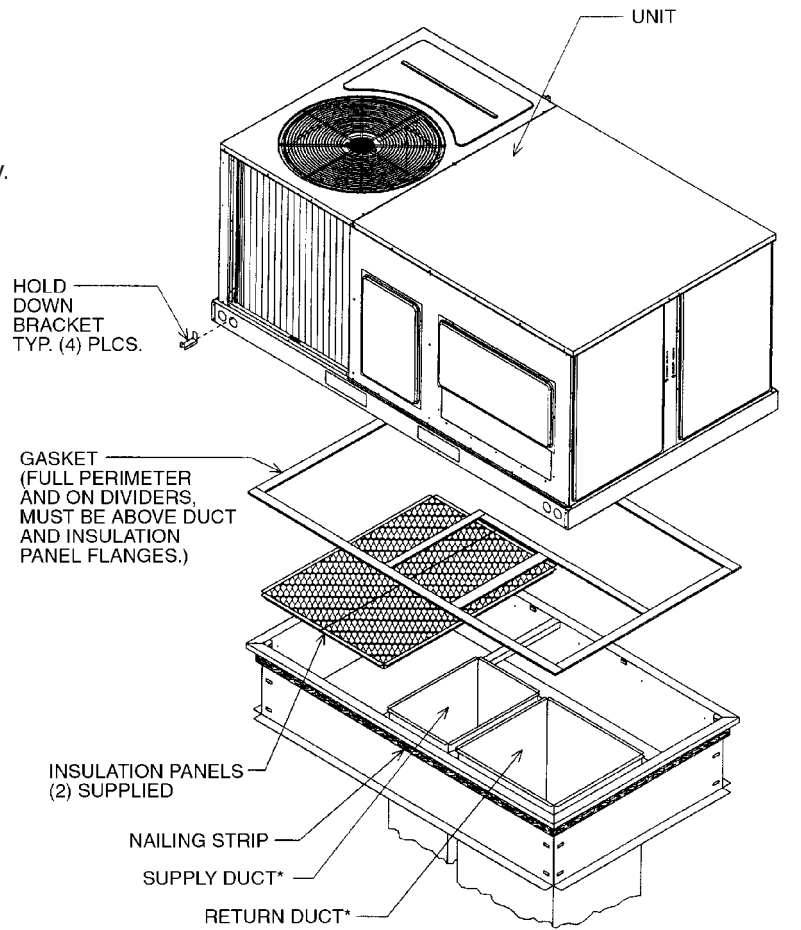


Illustration  
ADS-102392-01-00

## [10.6-17.6 kW] MODELS

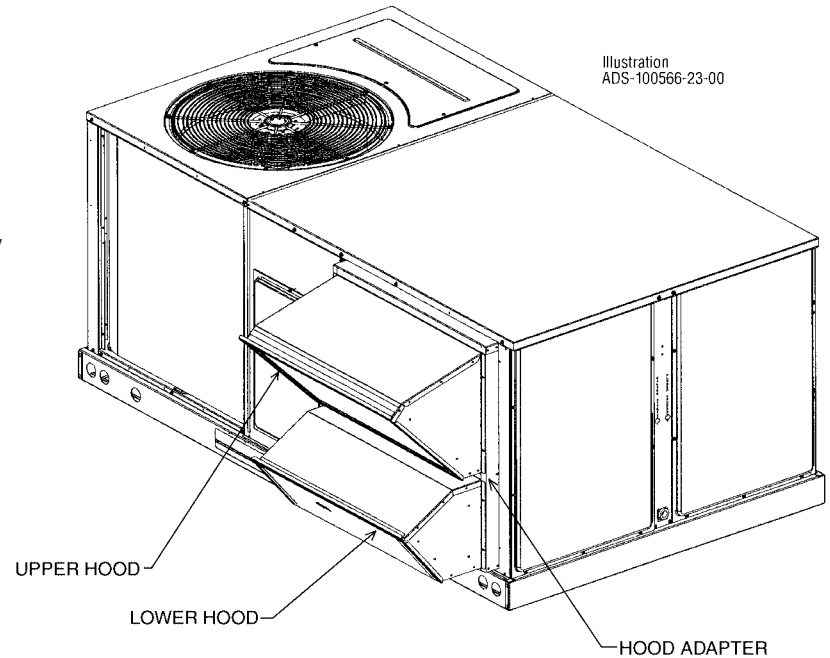
## ECONOMIZERS

**RXRD-MECM3—3-5 Ton [10.6-17.6 kW] Models** Single Enthalpy with Barometric Relief

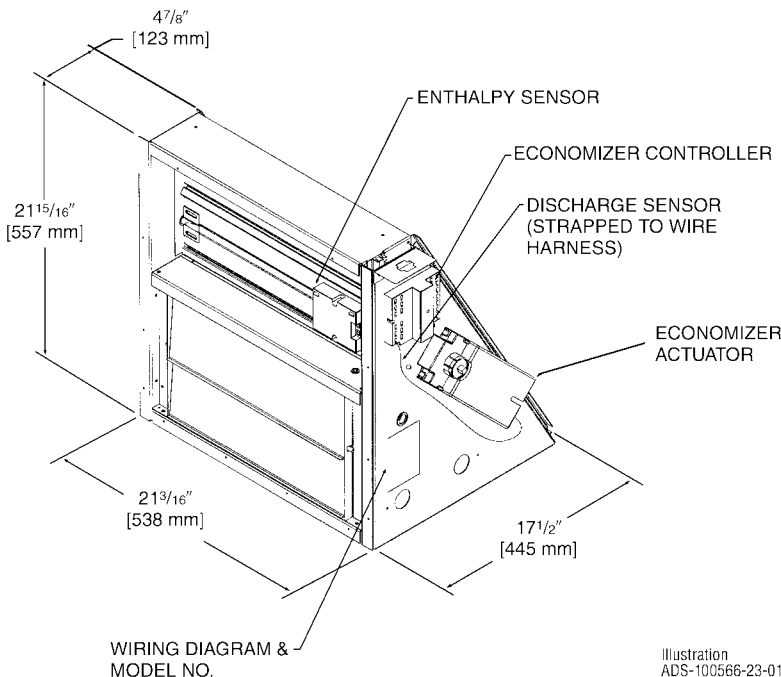
**RXXR-AV02—Dual Enthalpy Kit**  
3-5 Ton [10.6-17.6 kW] Models

**RXXR-AR02—3-5 Ton [10.6-17.6 kW] Models** Optional CO<sub>2</sub> Sensor

- 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
- CO<sub>2</sub> 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
- Field Installed Power Exhaust Available



### 3-5 TON [10.6-17.6 kW] MODELS



[ ] Designates Metric Conversions

## INTEGRAL POWER EXHAUST FOR ECONOMIZER (FIELD INSTALLED ONLY)

RXRX-BGF04C—3-5 Ton [10.6-17.6 kW] Models 208-230 V, 1 PH, 60 Hz

RXRX-BGF04D—3-5 Ton [10.6-17.6 kW] Models 460 V, 3 PH, 60 Hz

RXRX-BGF04Y—3-5 Ton [10.6-17.6 kW] Models 575 V, 3 PH, 60 Hz

- For **RXRD-MECM3** Economizer
- Downflow or horizontal applications
- Requires separate 208-230 Volt – 1 PH power supply with disconnect or requires separate 460 V – 3 PH power supply with disconnect.
- Adjustable switch on economizer, factory preset to energize power exhaust at 95% outside air position
- Polarized plug connects power exhaust relay to economizer

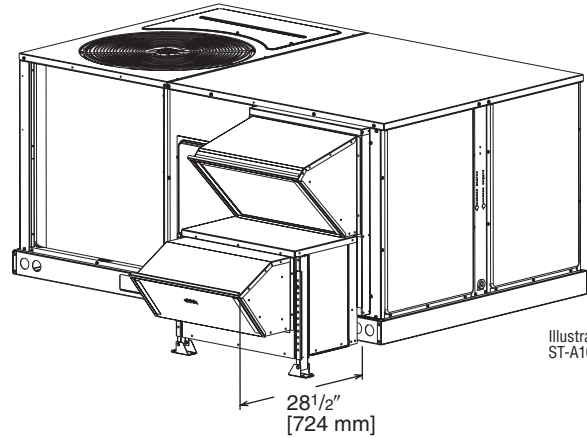


Illustration  
ST-A1079-00

## POWER EXHAUST KIT FOR RXRD-MECM(-) ECONOMIZERS

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

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

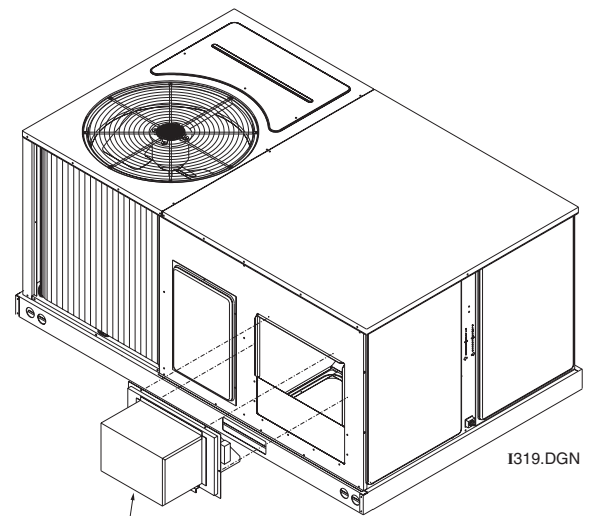
Shipping lbs [kg]	Operating lbs [kg]
70 [32]	67 [30]

## FRESH AIR DAMPER

3 to 5 Ton [10.6 to 17.6 kW] Models

RXRF-FBA1 (Manual)

RXRF-FBB1 (Motorized)



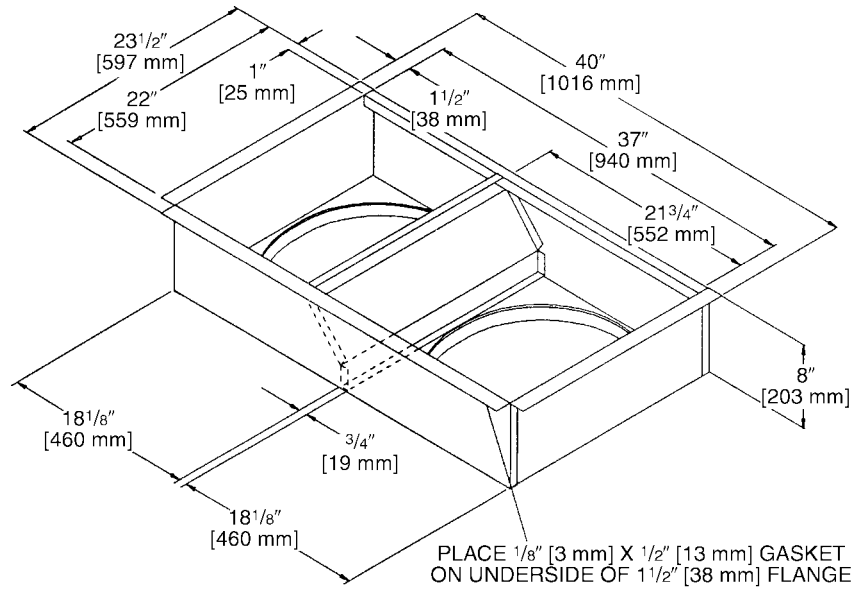
1319.DGN

FRESH AIR DAMPER

[ ] Designates Metric Conversions

**DUCT ADAPTERS (3 TO 5 TON [10.6 TO 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.



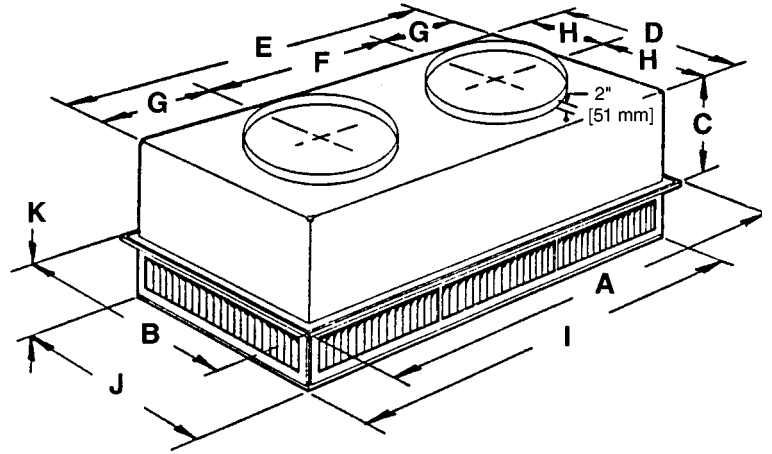
[ ] Designates Metric Conversions



## SIDE DISCHARGE CONCENTRIC DIFFUSER

RXRN-FA60 (3 to 5 Ton [10.6 to 17.6 kW] Models)

For Use With Duct Adapter (RXMC)



### DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	I	J	K	Duct Size
RXRN-FA60	47 <sup>5</sup> / <sub>8</sub> " [1210 mm]	23 <sup>5</sup> / <sub>8</sub> " [600 mm]	11 <sup>3</sup> / <sub>8</sub> " [289 mm]	21 <sup>1</sup> / <sub>2</sub> " [546 mm]	45 <sup>1</sup> / <sub>2</sub> " [1156 mm]	22 <sup>1</sup> / <sub>2</sub> " [572 mm]	11 <sup>1</sup> / <sub>2</sub> " [292 mm]	10 <sup>3</sup> / <sub>4</sub> " [273 mm]	45 <sup>1</sup> / <sub>2</sub> " [1156 mm]	21 <sup>1</sup> / <sub>2</sub> " [546 mm]	7 <sup>1</sup> / <sub>8</sub> " [181 mm]	18RD

### 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

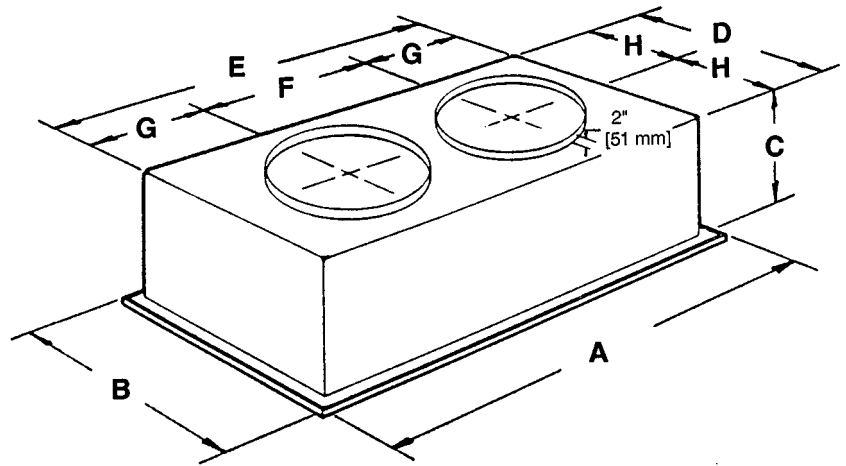
[ ] Designates Metric Conversions



## FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (3 to 5 Ton [10.6 to 17.6 kW] Models)

For Use With Duct Adapter (RXMC)



### DIMENSIONAL DATA

Model No.	A	B	C	D	E	F	G	H	Duct Size
RXRN-FA70	47 <sup>5</sup> / <sub>8</sub> " [1210 mm]	23 <sup>5</sup> / <sub>8</sub> " [600 mm]	13 <sup>1</sup> / <sub>2</sub> " [343 mm]	21" [533 mm]	45" [1143 mm]	22 <sup>1</sup> / <sub>2</sub> " [572 mm]	11 <sup>1</sup> / <sub>4</sub> " [286 mm]	10 <sup>1</sup> / <sub>2</sub> " [267 mm]	18RD

### 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

[ ] 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 ARI 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 shall be included for field or factory installation.

### Low Ambient Control

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

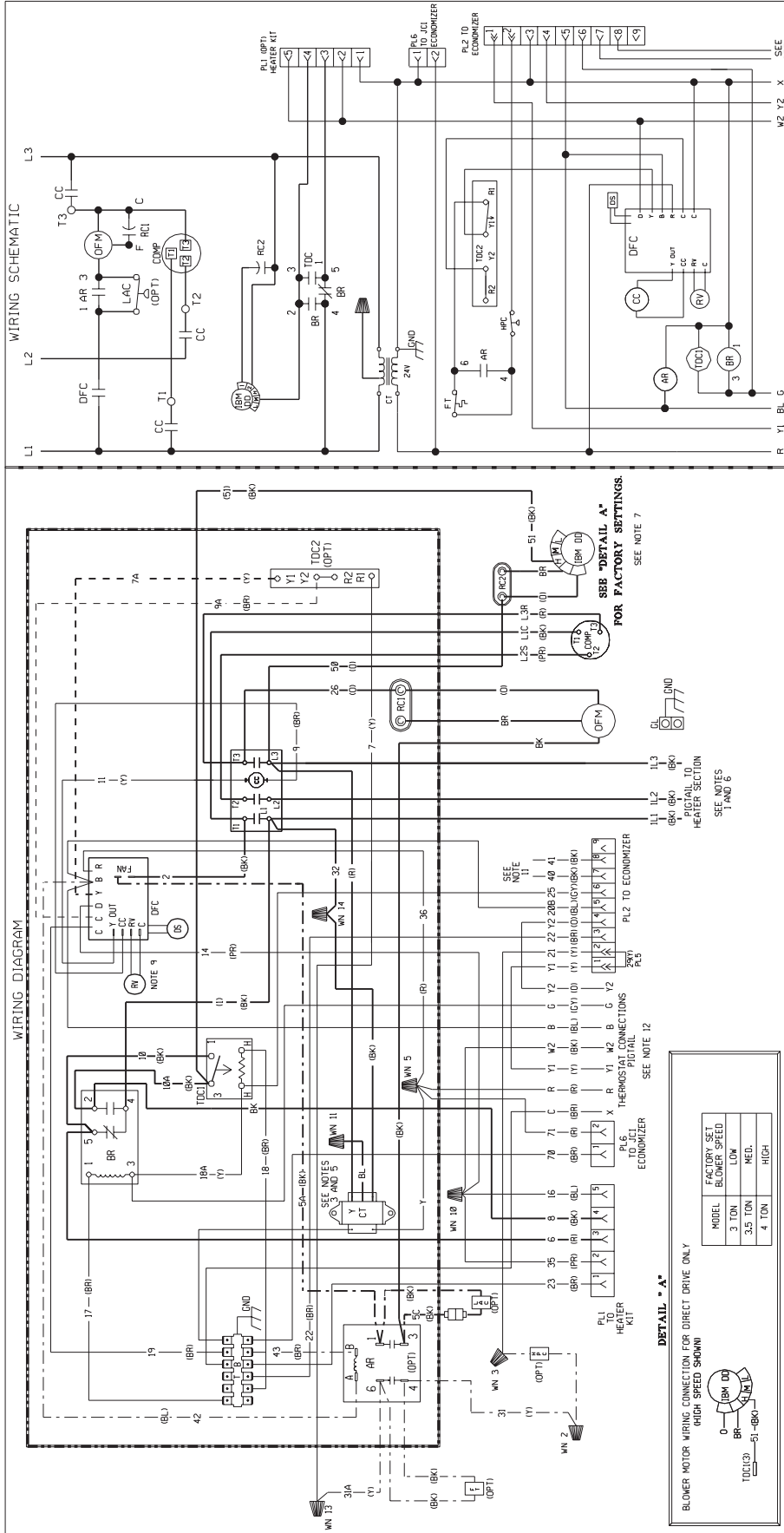
### Time Delay Control

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

### Louver Panel Kits

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





WIRING SCHEMATIC

WIRING DIAGRAM



DETAIL A\*  
BLOWER MOTOR WIRING CONNECTION FOR DIRECT DRIVE ONLY  
(HIGH SPEED SHOWN)

MODEL	FACTORY SET BLOWER SPEED
3 TON	LOW
3.5 TON	MED.
4 TON	HIGH

**COMPONENT CODE**

OPT1 OPTIONAL  
AR ACCESSORY RELAY  
BR BLOWER RELAY  
CC COMPRESSOR CONTACTOR  
CT CONTROL TRANSFORMER  
DFC DEFROST CONTROL  
DR DEFROST RELAY  
FS FAN SPEED SENSOR  
FL FAN LIMIT SWITCH  
GND GROUND  
HPC HIGH PRESSURE CONTROL  
IBM INDOOR BLOWER MOTOR  
LAC LOW AMBIENT CONTROL  
OFM OUTDOOR FAN MOTOR

**WIRE COLOR CODE**

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

**WIRING INFORMATION**

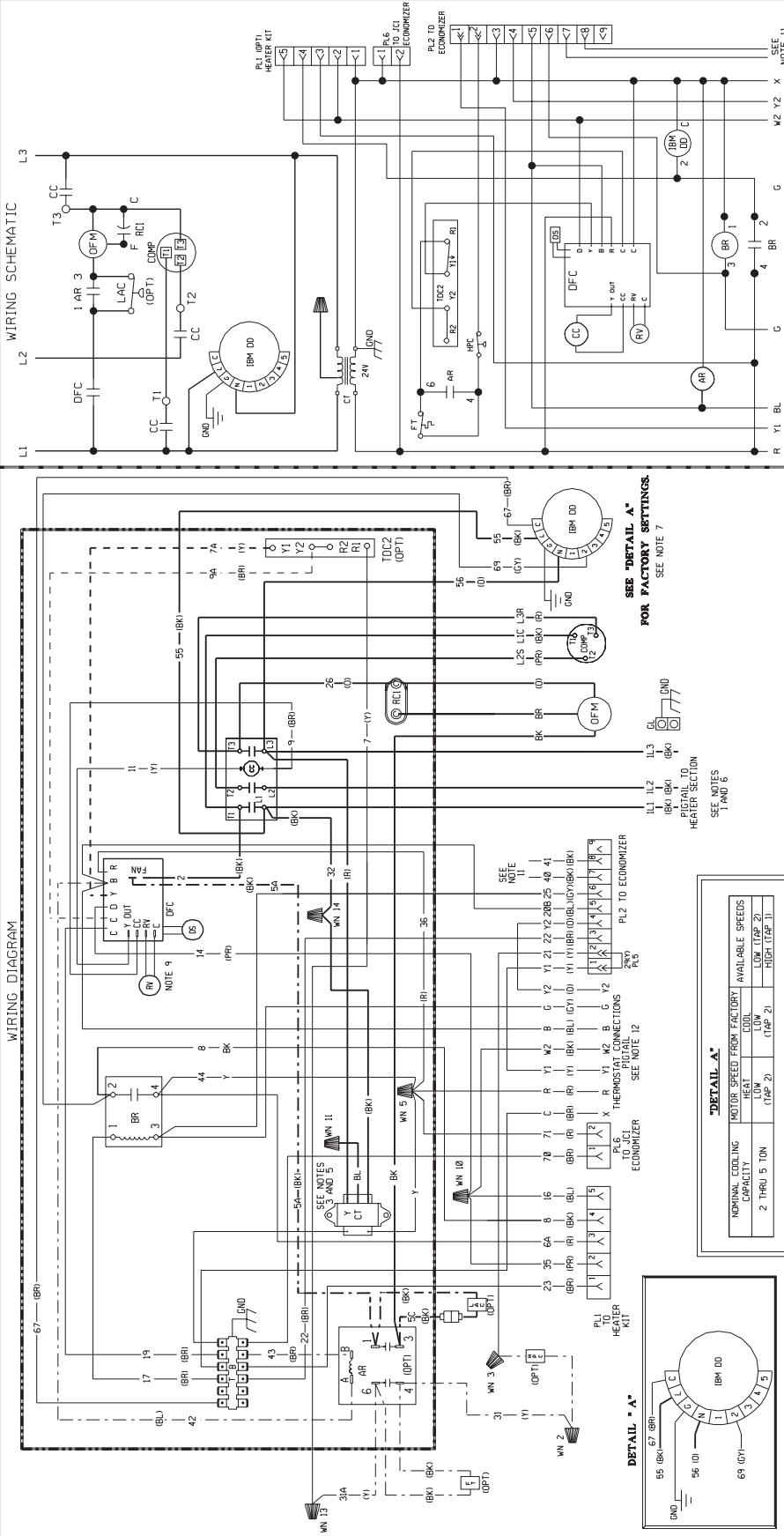
LINE VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED  
LOW VOLTAGE  
-FACTORY STANDARD  
-FACTORY OPTION  
-FIELD INSTALLED  
REPLACEMENT WIRE  
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105°C MIN.)  
WARNING  
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C.,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

**NOTES:**

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS MUST BE USED.
- CONTROL TRANSFORMER PRIMARY LEADS: RED, BLUE, 208V, BLACK-230V. TRANSFORMER FACTORY WIRE FOR 230 VOLTS ON J & C MODELS. INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT.
- CONTRACTOR FACTORY WIRE TO FACTORY SUPPLIED CONTACTOR WIRES IN ELECTRICAL BOX.
- TRANSFORMER 24V-50/60 HZ SUPPLIED.
- CONNECT FAN WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 VOLT USED DISCONNECT FOR CORRECT SPEED.
- SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND CLASSIFICATION.
- ALL SWITCHES ARE SHOWN IN COILING POSITION.
- WIRES FROM PL2 7 & 8 TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
- W2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

**PLUG TO I.C.T. ECONOMIZER**

PLUG	TO I.C.T. ECONOMIZER
1	W2
2	Y2
3	X
4	SEE NOTE 11
5	SEE NOTE 11
6	SEE NOTE 11
7	SEE NOTE 11
8	SEE NOTE 11
9	SEE NOTE 11
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100	SEE NOTE 11



**WIRING SCHEMATIC**

**WIRE COLOR CODE**

BK\_BLACK CY\_GRAY R\_RED  
 BR\_BROWN O\_ORANGE W\_WHITE  
 BL\_BLUE PK\_PINK Y\_YELLOW  
 G\_GREEN PR\_PURPLE

**ELECTRICAL WIRING DIAGRAM**  
 208 / 230, 3 PHASE  
 DIRECT DRIVE / X-MOTOR  
 HEAT PUMP

**WIRING INFORMATION**

LINE VOLTAGE  
 -FACTORY STANDARD  
 -FACTORY OPTION  
 -FIELD INSTALLED  
 LOW VOLTAGE  
 -FACTORY STANDARD  
 -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.

**NOTES:**

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- ALL WIRING TO BE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
- CONTROL TRANSFORMER PRIMARY LEADS: RED-COM, BLUE-288V, BLACK-230V. TRANSFORMER FACTORY WIRE FOR 230 VOLTS OPERATION. LABELS: INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
- CONTACTOR FACTORY WIRE: CONNECT FIELD WIRE TO FACTORY LOW VOLTAGE CIRCUIT (IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED).
- REVERSING VALVE WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 H.P. USED DISCONNECT.
- MOTOR FACTORY WIRE FOR CORRECT SPEED.
- SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND REVERSING VALVE ENERGIZED IN HEATING.
- ALL SWITCHES ARE SHOWN IN COILING POSITION.
- OPTIONAL ECONOMIZER: 8 TO 10 TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
- Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

**COMPONENT CODE**

OPTIONAL OPT  
 PLUG PL  
 RUN CAPACITOR RC  
 REVERSING VALVE RV  
 CONTROL TRANSFORMER TDC  
 TIME DELAY CONTROL TDC  
 WIRE NUT WN

ACCESSORY RELAY AR  
 BLOWER RELAY BR  
 COMPRESSOR CONTACTOR CC  
 COMPRESSOR CONTACTOR COMP  
 DEFROST RELAY DFR  
 DEFROST RELAY DS  
 DEFROST RELAY DS  
 FREEZE STAT FS  
 GROUND LUG GL  
 GROUND GND  
 HIGH PRESSURE CONTROL HPC  
 INDOOR BLOWER MOTOR IBM  
 LOW AMBIENT CONTROL LAC  
 OUTDOOR FAN MOTOR OFM

**DETAIL A\***  
 MOTOR SPEED FROM FACTORY AVAILABLE SPEEDS  

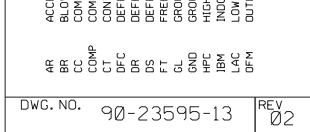
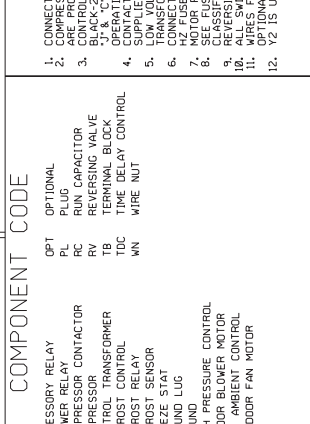
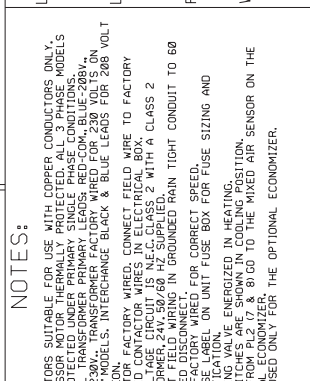
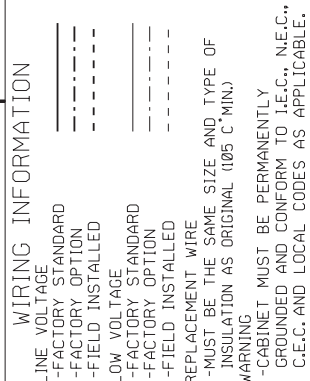
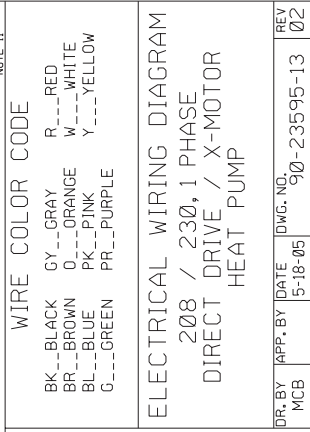
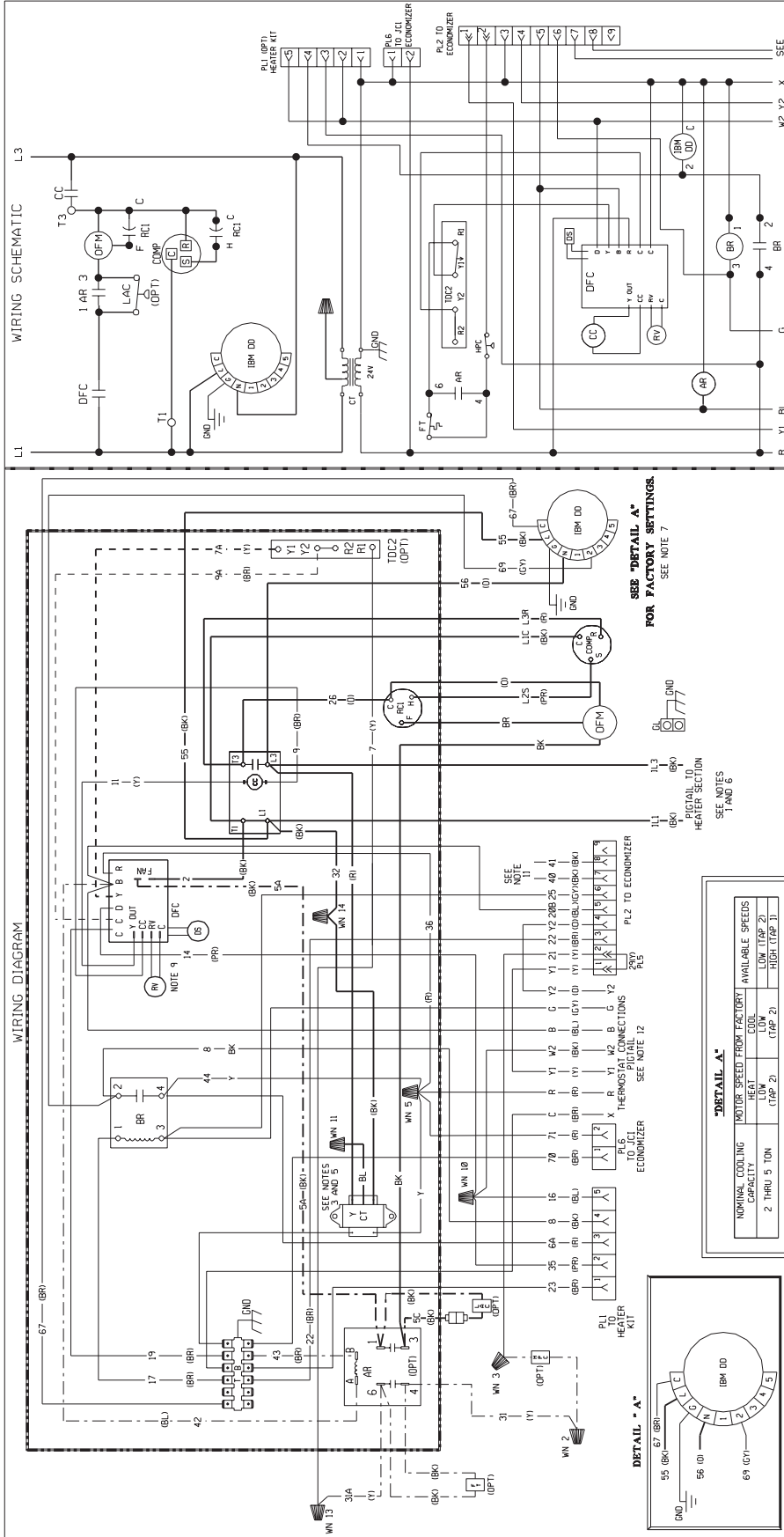
NOMINAL COOLING CAPACITY	MOTOR SPEED FROM FACTORY		AVAILABLE SPEEDS	
	LOW HEAT (TAP 2)	COOL (TAP 1)	LOW (TAP 2)	HIGH (TAP 1)
2 THRU 5 TON				

**DETAIL A\***  
 P.L. TO HEATER KIT  
 55 (BK) 56 (G) 69 (OPT)

**DETAIL A\***  
 P.L. TO ECONOMIZER  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

APP. BY DATE DWG. NO. REV

MCB 5-27-05 90-23595-14 02



**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.)  
 -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  
 BR...BROWN  
 BL...BLUE  
 G...GREEN  
 GR...GRAY  
 O...ORANGE  
 PK...PINK  
 PR...PURPLE  
 R...RED  
 W...WHITE  
 Y...YELLOW

**ELECTRICAL WIRING DIAGRAM**

208 / 230V, 1 PHASE  
 DIRECT DRIVE / X-MOTOR  
 HEAT PUMP

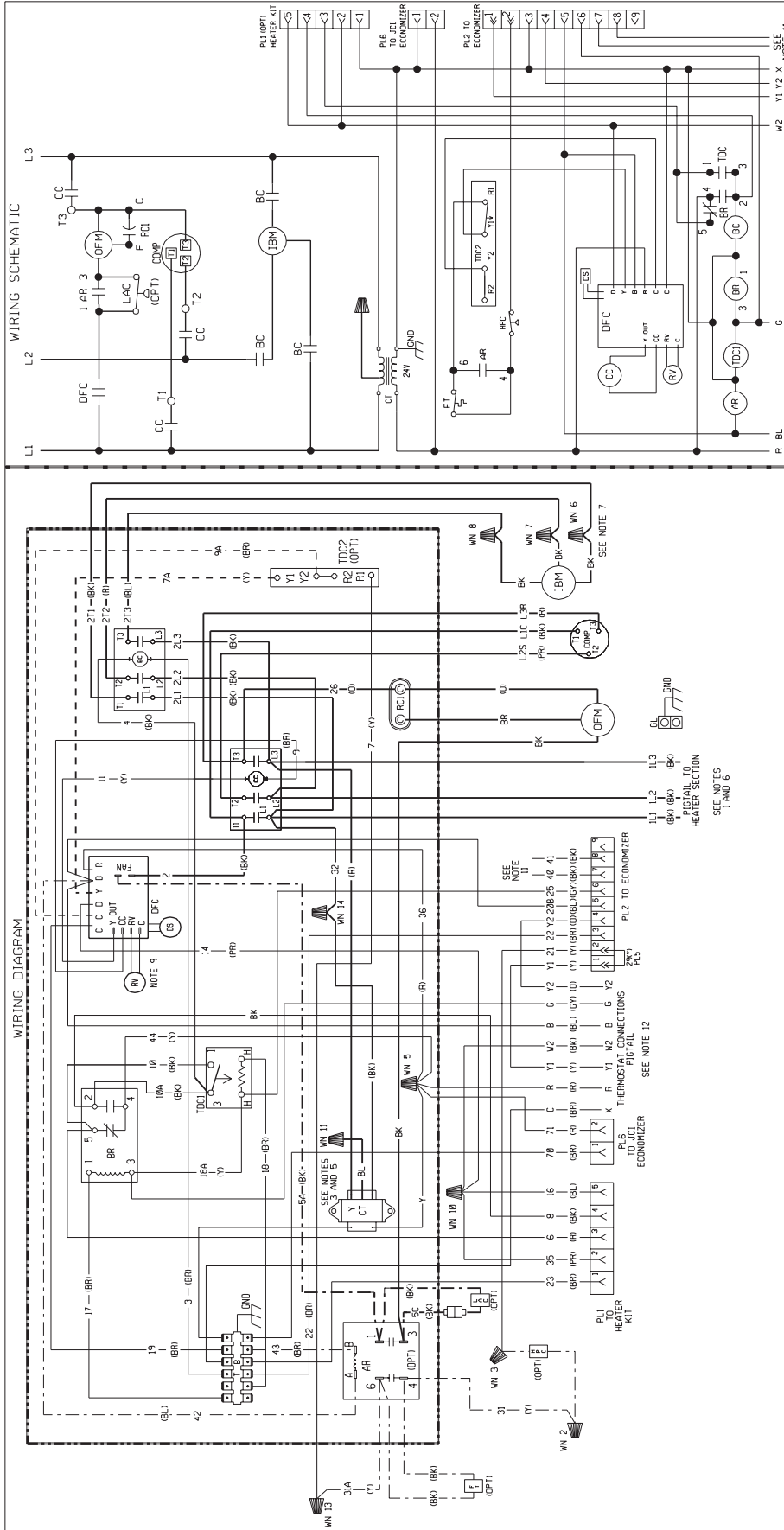
**COMPONENT CODE**

AR...ACCESSORY RELAY  
 BR...BLOWER RELAY  
 CC...CAPACITOR  
 COM...COMPRESSOR  
 CON...CONDENSER  
 DFC...DEFROST CONTROL  
 DR...DEFROST RELAY  
 DS...DEFROST SENSOR  
 FT...FREEZE STAT  
 GND...GROUND LUG  
 GND...GROUND  
 HPC...HIGH PRESSURE CONTROL  
 IMA...INDOOR BLOWER MOTOR  
 LFC...LOW FREQUENCY CONTROL  
 ODM...OUTDOOR FAN MOTOR

**NOTES:**

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
- ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
- CONTROL TRANSFORMER PRIMARY LEADS: RED-COM., BLUE-208V, BLACK-230V. TRANSFORMER WIRE OR 208V OR 230V. 1/2" C" MODELS, INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
- CONTRACTOR ACTION: WIRE TO FACTORY WIRE TO FIELD.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
- WIRE TO FACTORY WIRE TO FIELD IN GROUNDED RAIN TIGHT CONDUIT TO 60 FT. FUSED DISCONNECT.
- MOTOR FACTORY WIRE FOR CORRECT SPEED.
- CLASSIFICATION LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND REVERSING VALVE ENERGIZED IN HEATING.
- ALSO SWITCHES ARE SHOWN IN COOLING POSITION.
- OPTIONAL ECONOMIZER.
- WIRE TO FACTORY WIRE TO FIELD IN GROUNDED RAIN TIGHT CONDUIT TO 60 FT. FUSED DISCONNECT.
- WIRE TO FACTORY WIRE TO FIELD IN GROUNDED RAIN TIGHT CONDUIT TO 60 FT. FUSED DISCONNECT.

DWG. NO. 90-23595-13  
 REV 02



**WIRE COLOR CODE**

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

**ELECTRICAL WIRING DIAGRAM**  
208 / 230V, 3 PHASE  
BELT DRIVE  
HEAT PUMP

**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.

**NOTES:**

- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY. ALL WIRING MUST BE PROTECTED UNDER SINGLE PHASE CONDITIONS.
- CONTROL TRANSFORMER PRIMARY LEADS: RED-COM., BLUE-208V., BLACK-230V. TRANSFORMER FACTORY WIRING FOR 230 VOLTS ON OPERATION.
- CONTRACTOR FACTORY WIRING: INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
- CONTRACTOR FACTORY WIRING: CONNECT FIELD WIRE TO FACTORY WIRING IN THE FIELD.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
- CONNECT FIELD WIRING IN GROUNDED RAIN TIGHT CONDUIT TO 60 VOLT FACTORY WIRING FOR CORRECT SPEED.
- SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND REVERSING VALVE ENERGIZED IN HEATING.
- ALL SWITCHES ARE SHOWN IN COOLING POSITION.
- OPTIONAL ECONOMIZER 8100 TO THE MIXED AIR SENSOR ON THE ECONOMIZER.
- 715 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.

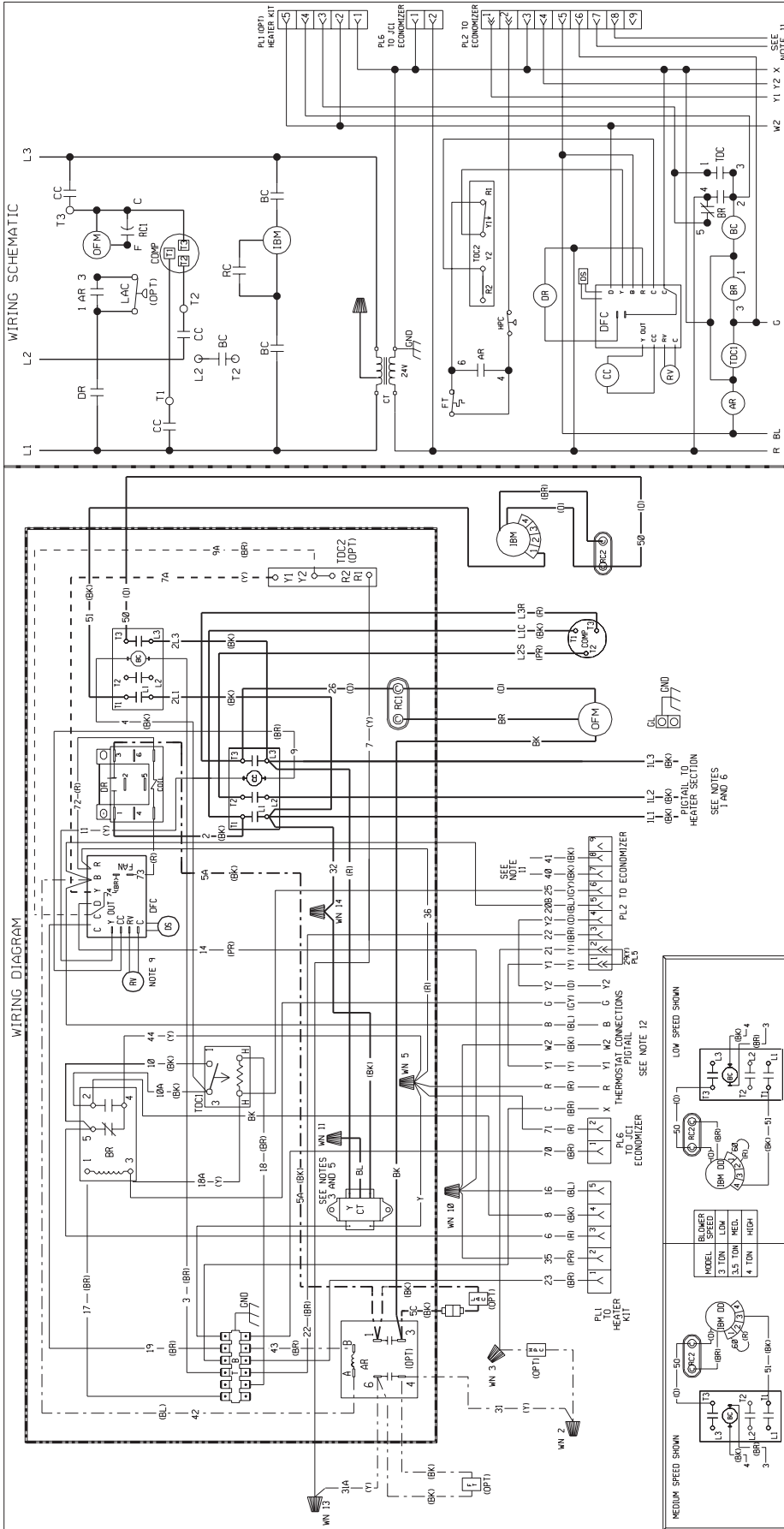
**COMPONENT CODE**

AR	ACCESSORY RELAY	OPT	OPTIONAL
BR	BLOWER RELAY	PL	PLUG
CC	COMPRESSOR CONTACTOR	RC	RUN CAPACITOR
COMP	CONTROL TRANSFORMER	RV	REVERSING VALVE
CT	CONTACTOR	TB	TERMINAL BLOCK
DC	DEFROST CONTROL	W	WIRE
DS	DEFROST SENSOR	WN	WIRE NUT
FT	FREESTAT		
GL	GROUND LUG		
GND	GROUND		
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR		
LAC	LOW AMBIENT CONTROL		
OFM	OUTDOOR FAN MOTOR		

DWG. NO. 90-23595-11 REV 01

DR. BY APP. BY DATE DWG. NO. 90-23595-11 REV 01  
MCB 5-18-05





WIRING SCHEMATIC

WIRING DIAGRAM

<p><b>COMPONENT CODE</b></p> <table border="0"> <tr><td>AR</td><td>ACCESSORY RELAY</td></tr> <tr><td>BR</td><td>BLOWER RELAY</td></tr> <tr><td>CC</td><td>COMPRESSOR CAPACITOR</td></tr> <tr><td>COMP</td><td>COMPRESSOR</td></tr> <tr><td>CT</td><td>CONTROL TRANSFORMER</td></tr> <tr><td>DFC</td><td>DEFROST CONTROL</td></tr> <tr><td>DR</td><td>DEFROST RELAY</td></tr> <tr><td>DS</td><td>DEFROST SENSOR</td></tr> <tr><td>FT</td><td>FREESTART</td></tr> <tr><td>GL</td><td>GROUND LUG</td></tr> <tr><td>IND</td><td>INDICATOR LIGHT</td></tr> <tr><td>INB</td><td>INDOOR AMBIENT CONTROL</td></tr> <tr><td>IPB</td><td>INDOOR AMBIENT CONTROL</td></tr> <tr><td>LAC</td><td>LOW AMBIENT CONTROL</td></tr> <tr><td>OFM</td><td>OUTDOOR FAN MOTOR</td></tr> </table>	AR	ACCESSORY RELAY	BR	BLOWER RELAY	CC	COMPRESSOR CAPACITOR	COMP	COMPRESSOR	CT	CONTROL TRANSFORMER	DFC	DEFROST CONTROL	DR	DEFROST RELAY	DS	DEFROST SENSOR	FT	FREESTART	GL	GROUND LUG	IND	INDICATOR LIGHT	INB	INDOOR AMBIENT CONTROL	IPB	INDOOR AMBIENT CONTROL	LAC	LOW AMBIENT CONTROL	OFM	OUTDOOR FAN MOTOR	<p><b>WIRING INFORMATION</b></p> <p>LINE VOLTAGE                  -FACTORY STANDARD                  -FACTORY OPTION                  -FIELD INSTALLED                  LOW VOLTAGE                  -FACTORY STANDARD                  -FACTORY OPTION                  -FIELD INSTALLED</p> <p>REPLACEMENT WIRE                  -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C MIN.)</p> <p>-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.</p>	<p><b>WIRE COLOR CODE</b></p> <table border="0"> <tr><td>BK</td><td>BLACK</td><td>GY</td><td>GRAY</td><td>R</td><td>RED</td></tr> <tr><td>BR</td><td>BROWN</td><td>O</td><td>ORANGE</td><td>W</td><td>WHITE</td></tr> <tr><td>BL</td><td>BLUE</td><td>PK</td><td>PINK</td><td>Y</td><td>YELLOW</td></tr> <tr><td>G</td><td>GREEN</td><td>PR</td><td>PURPLE</td><td></td><td></td></tr> </table> <p><b>ELECTRICAL WIRING DIAGRAM</b>                  460, 3 PHASE                  DIRECT DRIVE                  HEAT PUMP</p>	BK	BLACK	GY	GRAY	R	RED	BR	BROWN	O	ORANGE	W	WHITE	BL	BLUE	PK	PINK	Y	YELLOW	G	GREEN	PR	PURPLE			<p>DWG. NO. 90-23595-12</p> <p>REV 02</p>
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**BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.**

### **GENERAL TERMS OF LIMITED WARRANTY**

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

**For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.**

Compressor .....	Five (5) Years
Electric Heating Elements .....	Five (5) Years
Any Other Part	
1-Phase Models .....	Five (5) Years
3-Phase Models .....	One (1) Year

**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  
AIR CONDITIONING  
DIVISION**

5600 Old Greenwood Road, Fort Smith, Arkansas 72908



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