WEATHERMASTER®
50P2,P3,P4,P5030-100
Single-Package Electric Heating and Electric Cooling Units with *Comfort*Link Controls

Installation Instructions

CONTENTS

GENERAL

This installation instruction contains basic unit installation information, including installation of thermostats and remote temperature sensors which are required on all units.

For additional information, refer to the separate Controls and Troubleshooting literature.

Size 075-100 units are available with optional factory-installed return/exhaust fan or integral economizer and high-capacity power exhaust.

SAFETY CONSIDERATIONS

Installation and servicing of air-conditioning equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair, or service air-conditioning equipment.

Untrained personnel can perform basic maintenance functions of cleaning coils and filters and replacing filters. All other operations should be performed by trained service personnel. When working on air-conditioning equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety precautions that may apply.

Follow all safety codes, including ANSI (American National Standards Institute) Z223.1. Wear safety glasses and work gloves. Use quenching cloth for unbrazing operations. Have fire extinguisher available for all brazing operations.

⚠ WARNING

Electrical shock can cause personal injury and death. Shut off all power to this equipment during installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

⚠ WARNING

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

⚠ WARNING

Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

Catalog No. 04-53500120-01 Printed in U.S.A. Form 50P-7SI Pg 1 514 7-13 Replaces: 50P-6SI

⚠ WARNING

DO NOT USE TORCH to remove any component. System contains oil and refrigerant under pressure.

To remove a component, wear protective gloves and goggles and proceed as follows:

a. Shut off electrical power to unit.
b. Recover refrigerant to relieve all pressure from system using both high-pressure and low pressure ports.
c. Traces of vapor should be displaced with nitrogen and the work area should be well ventilated. Refrigerant in contact with an open flame produces toxic gases.
d. Cut component connection tubing with tubing cutter and remove component from unit. Use a pan to catch any oil that may come out of the lines and as a gage for how much oil to add to the system.
e. Carefully unsweat remaining tubing stubs when necessary. Oil can ignite when exposed to torch flame.

Failure to follow these procedures may result in personal injury or death.

⚠ CAUTION

DO NOT re-use compressor oil or any oil that has been exposed to the atmosphere. Dispose of oil per local codes and regulations. DO NOT leave refrigerant system open to air any longer than the actual time required to service the equipment. Seal circuits being serviced and charge with dry nitrogen to prevent oil contamination when timely repairs cannot be completed. Failure to follow these procedures may result in damage to equipment.

INSTALLATION

Step 1 — Perform Jobsite Survey — Complete the following checks before installation.

1. Consult local building codes and the NEC (National Electrical Code) (ANSI/NFPA [National Fire Protection Association] 70) for special installation requirements.
2. Determine unit location (from project plans) or select unit location.
3. Check for possible overhead obstructions which may interfere with unit lifting or rigging.

⚠ CAUTION

Do not lift unit with forklift truck. Move unit with overhead rigging only. Damage to unit may result.

Step 2 — Place Unit — Inspect unit for transportation damage. File claim with transportation agency.

Provide clearance around and above unit for airflow, safety, and service access. Do not restrict top (area above condenser fans) in any way. Allow at least 6 ft on all sides for rated performance, code compliance, and service. On units equipped with power exhaust option, high velocity air is exhausted out the hood. Unit should be positioned with at least 10 ft clearance between the exhaust hood and any obstruction.

Check unit dimensional drawings for unit arrangement and minimum performance and service clearances.

Do not install unit in an indoor location. Do not locate air inlets near exhaust vents or other sources of contaminated air.

Although unit is weatherproof, guard against water from higher level runoff and overhangs.

Level by using unit frame as a reference. Physical data is shown in Tables 1A-10.

Step 3 — Roof Mount Unit — Check building codes for weight distribution requirements. Unit weight is shown in Tables 1A-1C. Unit may be mounted on class A, B, or C roofing material.

ROOF CURB — Assemble and install as described in instructions shipped with the accessory. Accessory roof curb and information required to field fabricate a roof curb is shown in Fig. 1-5. Install insulation, cant strips, roofing and counter flashing as required. For unit condensate drain to function properly, curb must be level or within tolerances shown in Fig. 1-5.

STEEL BEAMS — If roof curb is not used, support unit with steel beams along its entire length and then support steel as required. As a minimum, unit must be supported across its width at each lifting lug location.

Step 4 — Slab Mount Unit — Provide a level concrete slab that extends beyond unit cabinet at least 6 inches. Make a slab 8 in. thick with 4 in. above grade. Use gravel apron in front of condenser coil air inlet to prevent grass and foliage from obstructing airflow. Ensure that slab is of sufficient height to allow for condensate trap as described in Step 8 on page 15.

Step 5 — Install Curb Gasketing

SIZE 030-060 UNITS — After ductwork has been connected to the roof curb, attach adhesive-backed gasketing on all end rails, cross rails, and duct rails. Be sure all joints and corners of gasket are square and flush to prevent possible water leaks. Follow all applicable building codes.

SIZE 070-100 UNITS — After ductwork has been connected to the roof curb, apply gasket material ($^1/_2$-in. thick x $1^1/_2$ in. wide neoprene) where indicated.

Single-Thickness Gasketing (See Fig. 6 and 7 for Item Numbers) — Apply gasketing in the following places:

1. Along both side rails (1) — 2 places, full length
2. Along return air end rail (2) — 1 place
3. Around return-air internal duct flange (3) — 1 or 2 places
4. Around supply-air internal duct flanges (4) — 3 places

Double-Thickness Gasketing (See Fig. 6 and 7 and Detail A-A) — Locate a line $9^3/_4$-in. from the supply air end of the accessory curb. Apply a double-thickness of gasket material along line per detail A-A.

NOTE: Do not apply gasket material along the outside edge of the curb (area "X"). This pan area of the curb extends out beneath the end of the unit's air handler section; applying gasket here develops a potential water trap area on top of the curb.

Condenser Section Roof Curb (See Fig. 8) — Apply single-thickness gasket along both side rails (5).

Table 1A — Physical Data (Sizes 030-050)

BASE UNIT	50P2,P3,P4,P5030		50P2,P3,P4,P5035	
NOMINAL CAPACITY (tons)	30		35	
OPERATING WEIGHT (lb)	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis
Base Unit				
Vertical Discharge	4810	5310	4910	5410
Horizontal Discharge and Vertical Discharge with Discharge Plenum	5110	5610	5210	5710
With Economizer				
Vertical Discharge	5110	5610	5210	5710
Horizontal Discharge and Vertical Discharge with Discharge Plenum	5410	5910	5510	6010
COMPRESSORS	Scroll			
Quantity...Type	1...ZP154/1...ZP154		1...ZP182/1...ZP182	
Oil Charge (oz) per Compressor	110		110	
Number of Refrigerant Circuits	2		2	
REFRIGERANT	R-410A			
Operating Charge (lb), Ckt 1/Ckt 2				
Standard Evaporator Coil	15.4/14.8		18.4/17.6	
Standard Evaporator with Humidi-MiZer®	15.4/24.9		18.4/27.7	
Alternate High-Capacity Evaporator Coil	18.4/17.7		N/A	
Alternate High-Capacity Evaporator with Humidi-MiZer	18.4/27.8		N/A	
CONDENSER COILS	Aluminum Novation® Heat Exchanger with Microchannel Coils			
Quantity	1		1	
Total Face Area (sq ft)	33.3		33.3	
EVAPORATOR COILS				
Quantity	1			
Total Face Area (sq ft)	32.1			
Refrigerant Feed Device...No. per Circuit	TXV...1			
Standard Evaporator Coils				
Rows...Fins/in.	3...15.0		4...15.0	
Fin Type	Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched	
Alternate, High-Capacity Evaporator Coils				
Rows...Fins/in.	4...15.0		N/A	
Fin Type	Double Wavy		N/A	
Tube Type	Cross Hatched		N/A	
CONDENSER FANS	Propeller Type			
Quantity...Diameter (in.)	2...30		2...30	
Nominal Cfm	18,000		19,500	
Motor Hp...Rpm	1.0...1140		1.0...1140	
SUPPLY FAN	Centrifugal 25 x 25 in.			
Nominal Cfm	12,000		14,000	
AHRI/DOE Rated Cfm	9,000		10,500	
Maximum Allowable Cfm	15,000		15,000	
Maximum Allowable Rpm	900		900	
Shaft Diameter at Pulley (in.)	$1^{11}/_{16}$		$1^{11}/_{16}$	

SUPPLY-FAN MOTOR AND DRIVE	(Any motor available on any unit)				
Motor Hp	7.5	10	15	20	25
Motor Frame Size	213T	215T	254T	256T	284T
Efficiency at Full Load (%)					
High Efficiency	88.5	89.5	91.0	91.0	91.7
Premium Efficiency	91.7	91.7	93.0	93.6	93.6
Fan Pulley Pitch Diameter (in.)	13.7	13.7	13.7	13.7	13.7
Motor Pulley Pitch Diameter (in.)	3.4	4.3	4.9	5.5	6.5
Resulting Fan Speed (rpm)	438	549	626	703	830
Belts Quantity...Type	2...BX60	2...5VX630	2...5VX630	2...5VX630	2...5VX650
Center Distance Range (in.)	17.74-14.30	17.74-14.30	17.63...14.01	17.63...14.01	16.63...12.87

OPTIONAL POWER EXHAUST†		Centrifugal, 18 x 15 in. (Any motor available on any unit)			
Quantity...Motor Hp		2...3.0	2...5.0	2...7.5	2...10
Motor Frame Size	High Eff	56HZ	184T	213T	215T
	Prem Eff	182T	184T	213T	215T
Efficiency at Full Load (%) High/Premium		81.0/88.5	87.5/89.5	88.5/91.7	89.5/91.7
Fan Pulley Pitch Diameter (in.)	High Eff	11	10.4	12	12
	Prem Eff	11.0	10.4	12	12
Motor Pulley Pitch Diameter Range (in.)	High Eff	4.1-3.1	4.7-3.7	6.0-4.8	7.0-5.8
	Prem Eff	4.1-3.1	4.7-3.7	6.0-4.8	7.0-5.8
Motor Pulley Pitch Diameter Factory Setup (in.)		4.1	4.2	5.4	6.4
Blower Shaft Diameter at Pulley (in.)		$1^{7}/_{16}$	$1^{7}/_{16}$	$1^{7}/_{16}$	$1^{7}/_{16}$
Fan Rpm Range		500-656	621-785	717-882	854-1000
Factory Setup Fan Rpm		656	703	800	927
Maximum Allowable Rpm		1000	1000	1000	1000

FILTERS		
Standard Efficiency Throwaway (Standard)		
Quantity...Size (in.)	8...20 x 25 x 2, 8...20 x 20 x 2	8...20 x 25 x 2, 8...20 x 20 x 2
Medium Efficiency (30%) Pleated (Optional)		
Quantity...Size (in.)	8...20 x 25 x 2, 8...20 x 20 x 2	8...20 x 25 x 2, 8...20 x 20 x 2
High Efficiency (90%) Bag Filters with High Velocity Prefilters (Opt)		
Quantity...Size (in.)		
Bag Filter	6...20 x 24 x 22, 6...20 x 20 x 22	6...20 x 24 x 22, 6...20 x 20 x 22
Prefilter	12...16 x 20 x 2, 3...20 x 24 x 2	12...16 x 20 x 2, 3...20 x 24 x 2
MERV 15 Cartridge Filters with High Velocity Prefilters (Opt)		
Quantity...Size (in.)		
Cartridge Filter	6...20 x 24 x 12, 6...20 x 20 x 12	6...20 x 24 x 12, 6...20 x 20 x 12
Prefilter	12...16 x 20 x 2, 3...20 x 24 x 2	12...16 x 20 x 2, 3...20 x 24 x 2
OUTSIDE AIR SCREENS		
Standard Hood (25%) Quantity...Size (in.)	None	None
OPTIONAL ECONOMIZER FILTER	Aluminum Frame, Permanent	
Quantity...Size (in.)	5...20 x 20 x 2, 2...20 x 25 x 1	5...20 x 20 x 1, 2...20 x 25 x 1

LEGEND

AHRI — Air Conditioning, Heating and Refrigeration Institute
DOE — Department of Energy
TXV — Thermostatic Expansion Valve

* 460-3-60 only.

†See Table 8 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 1A — Physical Data (Sizes 030-050) (cont)

BASE UNIT	50P2,P3,P4,P5040		50P2,P3,P4,P5050	
NOMINAL CAPACITY (tons)	40		50	
OPERATING WEIGHT (lb)	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis
Base Unit				
Vertical Discharge	5310	5810	5525	6025
Horizontal Discharge and Vertical Discharge with Discharge Plenum	5610	6110	5825	6325
With Economizer				
Vertical Discharge	5610	6110	5825	6325
Horizontal Discharge and Vertical Discharge with Discharge Plenum	5910	6410	6125	6625
COMPRESSORS	Scroll			
Quantity...Type	2...ZP103/1...ZP182		2...ZP120/2...ZP137	
Oil Charge (oz) per Compressor	110		110	
Number of Refrigerant Circuits	2		2	
REFRIGERANT	R-410A			
Operating Charge (lb), Ckt 1/Ckt 2				
Standard Evaporator Coil	21.6/26.7		29.4/29.0	
Standard Evaporator with Humidi-MiZer®	21.6/39.1		29.4/41.4	
Alternate High-Capacity Evaporator Coil	31.1/37.2		38.2/36.5	
Alternate High-Capacity Evaporator with Humidi-MiZer	31.1/49.6		38.2/48.9	
CONDENSER COILS	Aluminum Novation® Heat Exchanger with Microchannel Coils			
Quantity	2		2	
Total Face Area (sq ft)	66.7		66.7	
EVAPORATOR COILS				
Quantity	1			
Total Face Area (sq ft)	45.5			
Refrigerant Feed Device...No. per Circuit	TXV...2			
Standard Evaporator Coils				
Rows...Fins/in.	3...15.0		4...15.0	
Fin Type	Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched	
Alternate, High-Capacity Evaporator Coils				
Rows...Fins/in.	6...16.0		6...16.0	
Fin Type	Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched	
CONDENSER FANS	Propeller Type			
Quantity...Diameter (in.)	3...30		4...30	
Nominal Cfm	30,000		38,000	
Motor Hp...Rpm	1.0...1140		1.0...1140	
SUPPLY FAN	Centrifugal 25 x 25 in.			
Nominal Cfm	16,000		20,000	
AHRI/DOE Rated Cfm	12,000		15,000	
Maximum Allowable Cfm	20,000		20,000	
Maximum Allowable Rpm	900		900	
Shaft Diameter at Pulley (in.)	$1^{11}/_{16}$		$1^{11}/_{16}$	

SUPPLY-FAN MOTOR AND DRIVE	(Any motor available on any unit)					
Motor Hp	7.5	10	15	20	25	30*
Motor Frame Size	213T	215T	254T	256T	284T	286T
Efficiency at Full Load (%)						
High Efficiency	88.5	89.5	91.0	91.0	91.7	92.4
Premium Efficiency	91.7	91.7	93.0	93.6	93.6	93.6
Fan Pulley Pitch Diameter (in.)	13.7	13.7	13.7	13.7	13.7	12.5
Motor Pulley Pitch Diameter (in.)	3.4	4.3	4.9	5.5	6.5	6.5
Resulting Fan Speed (rpm)	438	549	626	703	830	910
Belts Quantity...Type	2...BX60	2...5VX630	2...5VX630	2...5VX630	2...5VX650	3...5VX630
Center Distance Range (in.)	17.74-14.30	17.74-14.30	17.63...14.01	17.63...14.01	16.63...12.87	16.63...12.87

OPTIONAL POWER EXHAUST†		Centrifugal, 18 x 15 in. (Any motor available on any unit)			
Quantity...Motor Hp		2...3.0	2...5.0	2...7.5	2...10
Motor Frame Size	High Eff	56HZ	184T	213T	215T
	Prem Eff	182T	184T	213T	215T
Efficiency at Full Load (%) High/Premium		81.0/88.5	87.5/89.5	88.5/91.7	89.5/91.7
Fan Pulley Pitch Diameter (in.)	High Eff	11	10.4	12	12
	Prem Eff	11.0	10.4	12	12
Motor Pulley Pitch Diameter Range (in.)	High Eff	4.1-3.1	4.7-3.7	6.0-4.8	7.0-5.8
	Prem Eff	4.1-3.1	4.7-3.7	6.0-4.8	7.0-5.8
Motor Pulley Pitch Diameter Factory Setup (in.)		4.1	4.2	5.4	6.4
Blower Shaft Diameter at Pulley (in.)		$1^{7}/_{16}$	$1^{7}/_{16}$	$1^{7}/_{16}$	$1^{7}/_{16}$
Fan Rpm Range		500-656	621-785	717-882	854-1000
Factory Setup Fan Rpm		656	703	800	927
Maximum Allowable Rpm		1000	1000	1000	1000

FILTERS		
Standard Efficiency Throwaway (Standard)		
Quantity...Size (in.)	8...20 x 25 x 2, 8...20 x 20 x 2	8...20 x 25 x 2, 8...20 x 20 x 2
Medium Efficiency (30%) Pleated (Optional)		
Quantity...Size (in.)	8...20 x 25 x 2, 8...20 x 20 x 2	8...20 x 25 x 2, 8...20 x 20 x 2
High Efficiency (90%) Bag Filters with High Velocity Prefilters (Optional)		
Quantity...Size (in.)		
Bag Filter	6...20 x 24 x 22, 6...20 x 20 x 22	6...20 x 24 x 22, 6...20 x 20 x 22
Prefilter	12...16 x 20 x 2, 3...20 x 24 x 2	12...16 x 20 x 2, 3...20 x 24 x 2
MERV 15 Cartridge Filters with High Velocity Prefilters (Opt)		
Quantity...Size (in.)		
Cartridge Filter	6...20 x 24 x 12, 6...20 x 20 x 12	6...20 x 24 x 12, 6...20 x 20 x 12
Prefilter	12...16 x 20 x 2, 3...20 x 24 x 2	12...16 x 20 x 2, 3...20 x 24 x 2
OUTSIDE AIR SCREENS		
Standard Hood (25%) Quantity...Size (in.)	None	None
OPTIONAL ECONOMIZER FILTER	Aluminum Frame, Permanent	
Quantity...Size (in.)	5...20 x 20 x 2, 2...20 x 25 x 1	5...20 x 20 x 1, 2...20 x 25 x 1

LEGEND

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DOE — Department of Energy
TXV — Thermostatic Expansion Valve

* 460-3-60 only.

†See Table 8 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 1B — Physical Data (Sizes 055-070)

BASE UNIT	50P2,P3,P4,P5055		50P2,P3,P4,P5060		50P2,P3,P4,P5070	
NOMINAL CAPACITY (tons)	55		60		70	
OPERATING WEIGHT (lb)	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis
Base Unit						
Vertical Discharge	6820	7370	6875	7425	7215	7765
Horizontal Discharge and Vertical Discharge with Discharge Plenum	7370	7920	7425	7975	7765	8315
With Economizer						
Vertical Discharge	7350	7900	7405	7955	7745	8295
Horizontal Discharge and Vertical Discharge with Discharge Plenum	7900	8450	7955	8505	8295	8845
COMPRESSORS	Scroll					
Quantity...Type	2...ZP137/2...ZP137		2...ZP154/2...ZP154		1...ZP154,1...ZP182/1...ZP154,1...ZP182	
Oil Charge (oz) per Compressor	110		110		110	
Number of Refrigerant Circuits	2		2		2	
REFRIGERANT	R-410A					
Operating Charge (lb), Ckt 1/Ckt 2						
Standard Evaporator Coil	37.6/37.9		42.2/41.8		43.5/44.8	
Standard Evaporator with Humidi-MiZer®	37.6/50.3		42.2/54.2		43.5/57.2	
Alternate High-Capacity Evaporator Coil	46.5/45.8		47.6/46.5		55.4/55.5	
Alternate High-Capacity Evaporator with Humidi-MiZer	46.5/58.2		47.6/58.9		55.4/67.9	
CONDENSER COILS	Aluminum Novation® Heat Exchanger with Microchannel Coils					
Quantity	2		2		4	
Total Face Area (sq ft)	66.7		66.7		106.7	
EVAPORATOR COILS						
Quantity	2					
Total Face Area (sq ft)	61.5					
Refrigerant Feed Device...No. per Circuit	TXV...2					
Standard Evaporator Coils						
Rows...Fins/in.	4...15		4...15		4...15	
Fin Type	Double Wavy		Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched		Cross Hatched	
Alternate, High-Capacity Evaporator Coils						
Rows...Fins/in.	6...16		6...16		6...16	
Fin Type	Double Wavy		Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched		Cross Hatched	
CONDENSER FANS	Propeller Type					
Quantity...Diameter (in.)	4...30		4...30		4...30	
Nominal Cfm	36,000		36,600		39,000	
Motor Hp...Rpm	1.0...1140		1.0...1140		1.0...1140	
SUPPLY FAN	Centrifugal 30 x 27.5 in.					
Nominal Cfm	22,000		24,000		28,000	
AHRI/DOE Rated Cfm	16,500		18,000		21,000	
Maximum Allowable Cfm	25,000		30,000		30,000	
Maximum Allowable Rpm	800		800		800	
Shaft Diameter at Pulley (in.)	$1^{11}/_{16}$		$1^{11}/_{16}$		$1^{11}/_{16}$	
SUPPLY-FAN MOTOR AND DRIVE	(Any motor available on any unit)					
Motor Hp	15	20	25	30	40*	
Motor Frame Size	254T	256T	284T	286T	S324T	
Efficiency at Full Load (%)						
High Efficiency	91.0	91.0	91.7	92.4	93.0	
Premium Efficiency	93.0	93.6	93.6	93.6	94.5	
Fan Pulley Pitch Diameter (in.)	13.7	13.7	13.7	15.5	16.1	
Motor Pulley Pitch Diameter (in.)	4.5	5.1	5.5	5.9	6.7	
Resulting Fan Speed (rpm)	575	651	703	711	740	
Belts Quantity...Type	2...5VX1230	2...5VX1230	2...5VX1230	2...5VX1230	3...5VX1250	
Center Distance Range (in.)	48.25-44.00	48.25-44.00	48.50-44.25	48.50-44.25	48.25-44.00	
OPTIONAL POWER EXHAUST†	Centrifugal, 18 x 15 in. (Any motor available on any unit)					
Quantity...Motor Hp	2...5		2...7.5		2...10	
Motor Frame Size	184T		213T		215T	
Efficiency at Full Load (%) High/Premium	87.5/89.5		88.5/91.7		89.5/91.7	
Resulting Fan Rpm	740		820		920	
Maximum Allowable Rpm	1000		1000		1000	
FILTERS						
Standard Efficiency Throwaway (Standard) Quantity...Size (in.)	12...20 x 25 x 2, 12...20 x 20 x 2		12...20 x 25 x 2, 12...20 x 20 x 2		12...20 x 25 x 2, 12...20 x 20 x 2	
Medium Efficiency (30%) Pleated (Optional) Quantity...Size (in.)	12...20 x 25 x 2, 12...20 x 20 x 2		12...20 x 25 x 2, 12...20 x 20 x 2		12...20 x 25 x 2, 12...20 x 20 x 2	
High Efficiency (90%) Bag Filters with High Velocity Prefilters (Optional) Quantity...Size (in.)						
Bag Filter	6...24 x 24 x 22, 6...24 x 20 x 22		6...24 x 24 x 22, 6...24 x 20 x 22		6...24 x 24 x 22, 6...24 x 20 x 22	
Prefilter	6...24 x 24 x 2, 6...20 x 24 x 2		6...24 x 24 x 2, 6...20 x 24 x 2		6...24 x 24 x 2, 6...20 x 24 x 2	
MERV 15 Cartridge Filters with High Velocity Prefilters (optional) Quantity...Size (in.)						
Cartridge Filter	6...24 x 24 x 12,, 6...24 x 20 x 12		6...24 x 24 x 12, 6...24 x 20 x 12		6...24 x 24 x 12, 6...24 x 20 x 12	
Prefilter	6...24 x 24 x 2, 6...20 x 24 x 2		6...24 x 24 x 2, 6...20 x 24 x 2		6...24 x 24 x 2, 6...20 x 24 x 2	
OUTSIDE AIR SCREENS						
Standard Hood (25%) Quantity...Size (in.)	4...25 x 16 x 1 2...20 x 16 x 1		4...25 x 16 x 1 2...20 x 16 x 1		4...25 x 16 x 1 2...20 x 16 x 1	
OPTIONAL ECONOMIZER FILTER	Aluminum Frame, Permanent					
Quantity...Size (in.)	12...16 x 25 x 1 2...16 x 20 x 1		12...16 x 25 x 1 2...16 x 20 x 1		12...16 x 25 x 1 2...16 x 20 x 1	

LEGEND

AHRI — Air Conditioning, Heating and Refrigeration Institute
DOE — Department of Energy
TXV — Thermostatic Expansion Valve

* 460-3-60 and 575-3-60 only.

†See Table 8 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 1C — Physical Data (Sizes 075-100)

BASE UNIT	50P2,P3,P4,P5075		50P2,P3,P4,P5090		50P2,P3,P4,P5100	
NOMINAL CAPACITY (tons)	75		90		100	
OPERATING WEIGHT (lb)	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis	Standard Chassis	Extended Chassis
Base Unit						
Vertical Discharge	8665	9215	9265	9815	9285	9835
Horizontal Discharge and Vertical Discharge with Discharge Plenum	—	—	—	—	—	—
With Economizer						
Vertical Discharge	9195	9745	9795	10,345	9815	10,365
Horizontal Discharge and Vertical Discharge with Discharge Plenum	—	—	—	—	—	—
COMPRESSORS	Scroll					
Quantity...Type	2...ZP182/2...ZP182		3...ZP154,3...ZP154		3...ZP154,3...ZP182	
Oil Charge (oz) per Compressor	110		110		110	
Number of Refrigerant Circuits	2		2		2	
REFRIGERANT	R-410A					
Operating Charge (lb), Ckt 1/Ckt 2						
Standard Evaporator Coil	43.8/45.0		50.4/51.3		50.8/52.8	
Standard Evaporator with Humidi-MiZer®	43.8/57.4		50.4/69.1		50.8/70.6	
Alternate High-Capacity Evaporator Coil	55.1/54.9		61.5/62.9		59.3/62.8	
Alternate High-Capacity Evaporator with Humidi-MiZer	55.1/67.3		61.5/80.7		59.3/80.6	
CONDENSER COILS	Aluminum Novation® Heat Exchanger with Microchannel Coils					
Quantity	4		6		6	
Total Face Area (sq ft)	106.7		160.0		160.0	
EVAPORATOR COILS						
Quantity	2					
Total Face Area (sq ft)	61.5					
Refrigerant Feed Device...No. per Circuit	TXV...2					
Standard Evaporator Coils						
Rows...Fins/in.	4...15		4...15		4...15	
Fin Type	Double Wavy		Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched		Cross Hatched	
Alternate, High-Capacity Evaporator Coils						
Rows...Fins/in.	6...16		6...16		6...16	
Fin Type	Double Wavy		Double Wavy		Double Wavy	
Tube Type	Cross Hatched		Cross Hatched		Cross Hatched	
CONDENSER FAN	Propeller Type					
Quantity...Diameter (in.)	4...30		6...30		6...30	
Nominal Cfm	39,000		58,000		58,000	
Motor Hp (ea)...rpm	1.0...1140		1.0...1140		1.0...1140	
STANDARD SUPPLY FAN	Forward Curved Centrifugal 36 x 30 in.					
Nominal Cfm	30,000		36,000		40,000	
Maximum Allowable Cfm	30,000		36,000		40,000	
Maximum Allowable Rpm	680		680		680	
Shaft Diameter at Pulley (in.)	$1^{11}/_{16}$		$1^{11}/_{16}$		$1^{11}/_{16}$	
STANDARD SUPPLY-FAN MOTOR AND DRIVE	(Any motor available on any unit)					
Motor Hp	30	40	50	60		
→ Motor Frame Size	S268T	S324T	S326T	S364T		
Efficiency at Full Load (%)						
High Efficiency	92.4	93.0	93.0	93.6		
Premium Efficiency	93.6	94.5	94.5	95.4		
Fan Pulley Pitch Diameter (in.)	18.5	18.5	18.5	18.5		
Motor Pulley Pitch Diameter (in.)	5.3	5.7	6.5	7.1		
Resulting Fan Rpm	501	539	615	672		
Belts Quantity...Type	3...5VX1320	4...5VX1320	4...5VX1320	4...5VX1320		
Center Distance Range (in.)	47.88-45.01	47.64-44.76	47.42-44.52	47.42-44.52		
ALTERNATE, AIRFOIL FAN	Airfoil					
Nominal Airflow (cfm)	30,000		36,000		40,000	
Maximum Allowable Airflow (cfm)	30,000		36,000		40,000	
Maximum Allowable Wheel Speed (rpm)	1846		1846		1846	
Shaft Diameter at Pulley (in.)	$2^{11}/_{16}$		$2^{11}/_{16}$		$2^{11}/_{16}$	
ALTERNATE SUPPLY-FAN MOTOR AND DRIVE	(Any motor available on any unit)					
Motor Hp	30	40	50	60	75	
→ Motor Frame Size	S268T	S324T	S326T	S364T	365T	
Efficiency at Full Load (%)						
High Efficiency	92.4	93.0	93.0	93.6	94.1	
Premium Efficiency	93.6	94.5	94.5	95.4	95.4	
Fan Pulley Pitch Diameter (in.)	9.7	10.2	8.9	8.9	10.8	
Motor Pulley Pitch Diameter (in.)	7.5	8.7	8.1	8.7	11.1	
Resulting Fan Rpm	1353	1493	1593	1711	1799	
Belts Quantity...Type	2...5VX1150	2...5VX1180	3...5VX1150	3...5VX1150	3...5VX1230	
Center Distance Range (in.)	42.96...45.82	42.96...45.57	42.96...45.57	42.45...45.35	42.45...45.35	
OPTIONAL POWER EXHAUST*	Centrifugal, 18 x 15 in. (Any motor available on any unit.)					
Quantity...Motor Hp	2...5		2...7.5		2...10	
Motor Frame Size	184T		213T		215T	
Efficiency at Full Load (%)						
High Efficiency	87.5		88.5		89.5	
Premium Efficiency	89.5		91.7		91.7	
Fan Pulley Pitch Diameter (in.)	10.6		10.6		10.6	
Motor Pulley Pitch Diameter (in.)	4.5		5.0		5.6	
Shaft Diameter at Pulley (in.)	$1^{7}/_{16}$		$1^{7}/_{16}$		$1^{7}/_{16}$	
Resulting Fan Rpm	740		820		920	
Maximum Allowable Rpm	1000		1000		1000	
FILTERS						
Standard Efficiency Throwaway (Standard)	12...20 x 25 x 2		12...20 x 25 x 2		12...20 x 25 x 2	
Quantity...Size (in.)	12...20 x 20 x 2		12...20 x 20 x 2		12...20 x 20 x 2	
30% and 65% Pleated (Optional)	12...20 x 25 x 2		12...20 x 25 x 2		12...20 x 25 x 2	
Quantity...Size (in.)	12...20 x 20 x 2		12...20 x 20 x 2		12...20 x 20 x 2	
OUTSIDE AIR SCREENS						
Standard Hood (25%) Quantity...Size (in.)	4...25 x 16 x 1 2...20 x 16 x 1		4...25 x 16 x 1 2...20 x 16 x 1		4...25 x 16 x 1 2...20 x 16 x 1	
OPTIONAL ECONOMIZER FILTER	Aluminum Frame, Permanent					
Quantity...Size (in.)	12...16 x 25 x 1 2...16 x 20 x 1		12...16 x 25 x 1 2...16 x 20 x 1		12...16 x 25 x 1 2...16 x 20 x 1	

LEGEND

TXV — Thermostatic Expansion Valve

* See page 7 for Table 4 — Optional High-Capacity Power Exhaust Specifications. See Table 8 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 2 — Hydronic Heat Coil Specifications

UNIT SIZE 50P	030-050	055-100
COIL CONSTRUCTION	½-in. OD copper tubes, aluminum plate fins, galvanized steel frame	
FACE AREA (sq ft)	22.6	(2) sections: total 27.1
ROWS...FINS PER INCH	2…8	2…11
CIRCUIT ARRANGEMENT	Half	Half
CONNECTIONS — (Qty) Dim Supply (in.) Return (in.)	 (1) $2^1/_2$ NPT (1) $2^1/_2$ NPT	 (2) $1^1/_2$ NPT (2) $1^1/_2$ NPT
HEADER MATERIAL	Steel	Steel
INTERNAL VOLUME (cu ft)	0.5272	0.6327

Table 3 — Optional Return/Exhaust Fan Specifications (50P075-100 Only)

UNIT SIZE 50P	075-100			
RETURN/EXHAUST FAN	Plenum Fan, 47.13 in. (Any motor available on any unit.)			
Quantity...Motor Hp	1...20	1...25	1...30	1...40
Motor Frame Size	256T	284T	286T	324T
Efficiency at Full Load (%) High/Premium	91.0/93.6	91.7/93.6	92.4/93.6	93.0/93.8
Fan Pulley Pitch Diameter (in.)	8.5	9.8	8.5	8.5
Motor Pulley Pitch Diameter (in.)	5.3	6.7	6.1	6.7
Shaft Diameter at Pulley (in.)	$2^{15}/_{16}$	$2^{15}/_{16}$	$2^{15}/_{16}$	$2^{15}/_{16}$
Resulting Fan Rpm	1104	1209	1271	1396
Maximum Allowable Rpm	1447	1447	1447	1447

Table 4 — Optional High-Capacity Power Exhaust Specifications (50P075-100 Only)

UNIT SIZE 50P	075-100				
POWER EXHAUST	Centrifugal, 22 x 20 in., $1^{11}/_{16}$ in. shaft diameter (Any motor available on any unit)				
Total Hp	20	30	40	50	60
Quantity...Motor Hp	2...10	2...15	2...20	2...25	2...30
Motor Frame Size	S215T	D254T	S256T	S284T	S286T
Efficiency at Full Load (%)					
High Efficiency	89.5	91	91	91.7	92.4
Premium Efficiency	91.7	93	93.6	93.6	93.6
Fan Sheave Pitch Diameter (in.)	12.4	12.4	11.1	11.1	11.1
Motor Sheave Pitch Diameter (in.)	4.8	5.8	5.9	6.5	6.9
Resulting Fan Rpm	714	841	928	1020	1094
Maximum Allowable Rpm	1175	1175	1175	1175	1175
Belts — Quantity...Type	2...BX93	2...BX93	2...5VX950	2...5VX950	2...5VX950

Table 5 — Optional Humidi-MiZer® Coil Data

UNIT SIZE 50P	030-075	090,100
Humidi-MiZer Coil Construction	Aluminum Novation® Coil	
Quantity	1	1
Face Area (sq ft)	26.7	33.3

Table 6 — Operating Weights of Options and Accessories

OPTION OR ACCESSORY	50P UNIT SIZE							
	030,035	040,050	055	060	070	075	090	100
Electric Heat*	140	140	140	140	140	250	250	250
Condenser Section Roof Curb	—	—	540	540	625	625	625	625
Economizer	300†	300†	530†	530†	530†	530†	530†	530†
Power Exhaust (PE)	710†	710†	710†	710†	710†	710†	710†	710†
Barometric Relief	200	200	200	200	200	200	200	200
Double Wall Construction	700	800	900	900	900	900	900	900
Roof Curb								
50P Standard Length	390	480	560	560	560	605	605	605
50P with Discharge Plenum	455	495	605	605	605	605	605	605
50P Extended Length	545	545	545	545	545	—	—	—
50P Extended Length with Discharge Plenum	545	545	1200	1200	—	—	—	—
50P with High-Capacity Power Exhaust	—	—	—	—	—	700	700	700
High-Efficiency Filters	20	20	20	20	20	20	20	20
Bag Filters	35	35	40	40	40	—	—	—
Hail Guard	120	150	145	145	210	210	210	210
Inlet Guide Vanes	95	95	115	115	115	115	115	115
Variable Frequency Drive								
7.5 hp	20	20	—	—	—	—	—	—
10 hp	20	20	—	—	—	—	—	—
15 hp	35	35	35	35	35	—	—	—
20 hp	35	35	35	35	35	—	—	—
25 hp	53	53	53	53	53	—	—	—
30 hp	—	—	53	53	53	53	53	53
40 hp	—	—	53	53	53	53	53	53
50 hp	—	—	—	—	—	53	53	53
60 hp	—	—	—	—	—	53	53	53
75 hp	—	—	—	—	—	152	152	152
High-Capacity Evaporator Coil	150	300	300	300	300	300	300	300
Airfoil Fan	—	—	—	—	—	350	350	350
Hot Water Coil*	150	150	180	180	180	180	180	180
Humidi-MiZer Adaptive Dehumidification System	72	72	72	72	72	72	92	92

*Vertical discharge units only.
†Includes hood.

Table 7 — Supply Fan Drive Data

HP	SHAFT DIA (in.)	SPEED (rpm)	MOTOR SHEAVE	MOTOR PITCH DIA. (in.)	WHEEL SHEAVE	WHEEL PITCH DIA. (in.)	QUANTITY ...BELT
Sizes 030-050							
7.5	1 3/8	438	2BK36	3.4	2B5V136	13.6	2...BX60
10	1 3/8	549	2B5V42	4.3	2B5V136	13.7	2...5VX630
15	1 5/8	626	2B5V48	4.9	2B5V136	13.7	2...5VX630
20	1 5/8	703	2B5V54	5.5	2B5V136	13.7	2...5VX630
25	1 7/8	830	2B5V64	6.5	2B5V136	13.7	2...5VX650
30*	1 7/8	910	3B5V64	6.5	3B5V124	12.5	3...5VX630
Sizes 055-070							
15	1 5/8	575	2B5V44	4.5	2B5V136	13.7	2...5VX1230† 2...5VX1120**
20	1 5/8	651	2B5V50	5.1	2B5V136	13.7	2...5VX1230† 2...5XV1150**
25	1 7/8	703	2B5V54	5.5	2B5V136	13.7	2...5VX1230† 2...5VX1150**
30	1 7/8	711	2B5V62	5.9	2B5V154	15.5	2...5VX1230† 2...5VX1180**
40	2 1/8	740	3B5V66	6.7	3B5V160	16.1	3...5VX1250† 3...5VX1180**
Sizes 075-100 (Forward Curved Fan)							
30	1 7/8	501	3B5V52	5.33	B5V184	18.5	3...5VX1320
40	2 1/8	539	4B5V56	5.74	B5V184	18.5	4...5VX1320
50	2 1/8	615	4B5V64	6.54	B5V184	18.5	4...5VX1320
60	2 3/8	672	4B5V70	7.14	B5V184	18.5	4...5VX1320
Sizes 075-100 (Airfoil Fan)							
30	1 7/8	1353	2B5V74	7.5	2Q5V97	9.7	2...5VX1150
40	2 1/8	1493	2B5V86	8.7	2Q5V103	10.2	2...5VX1180
50	2 1/8	1593	3B5V80	8.1	3R5V90	8.9	3...5VX1150
60	2 3/8	1711	3B5V86	8.7	3R5V90	8.9	3...5VX1150
75	2 3/8	1799	3B5V110	11.1	3R5V109	10.8	3...5VX1230

*Sizes 040,050 only.
†Horizontal discharge units.
**Vertical discharge and extended plenum units.

NOTE: Part numbers are Browning Manufacturing Corp. reference.

Table 8 — Optional Power Exhaust Fan Drive Data

TOTAL HP	MOTOR QTY...HP	MOTOR SHAFT DIAMETER (in.)	FAN SPEED RPM	MOTOR SHEAVE		BLOWER SHEAVE		50P2,P3 UNITS		50P4,P5 UNITS	
				Part Number	Pitch Diameter (in.)	Part Number	Pitch Diameter (in.)	BELTS QTY...P/N	CENTER DISTANCE RANGE (in.)	BELTS QTY...P/N	CENTER DISTANCE RANGE (in.)
Sizes 030-050											
6*	2...3	7/8	656/500	1VL44	4.1-3.1	BK115	11.0	1...BX71	23.62-26.50	1...BX46	11.40-13.26
6†	2...3	1 1/8	656/500	1VP44L	4.1-3.1	BK115	11.0	1...BX71	23.62-26.50	1...BX46	11.40-13.26
10**	2...5	1 1/8	785/621	1VP50L	4.7-3.7	BK110	10.4	1...BX71	23.62-26.50	1...BX46	11.16-13.05
15**	2...7.5	1 3/8	882/717	1VP65	6.0-4.8	BK130	12.0	1...BX77	23.62-26.50	1...BX53	11.40-13.26
20**	2...10	1 3/8	1000/854	1VP75	7.0-5.8	BK130	12.0	1...BX79	23.62-26.50	1...BX53	11.04-12.95
Sizes 055-100											
10	2...5	1 1/8	740	2P3V45	4.5	2Q3V106	10.6	2...3VX71	22.71-26.38	2...3VX50	10.91-13.30
15	2...7.5	1 3/8	820	2P3V50	5.0	2Q3V106	10.6	2...3VX71	22.71-26.38	2...3VX50	10.78-13.20
20	2...10	1 3/8	920	2P3V56	5.6	2Q3V106	10.6	2...3VX75	22.71-26.38	2...3VX50	10.78-13.20

*High Efficiency Motor Option.
†Premium Efficiency Motor Option.
**Applies to both motor options.

NOTE: Part numbers are Browning Manufacturing Corp. reference.

Table 9 — Optional High-Capacity Power Exhaust Fan Drive Data

TOTAL HP	MOTOR QTY...HP	MOTOR SHAFT DIA. (in.)	SPEED RPM	MOTOR SHEAVE		BLOWER SHEAVE		QTY...BELT	CENTER DISTANCE RANGE (in.)
				Part Number	Pitch Diameter (in.)	Part Number	Pitch Diameter (in.)		
20	2...10	1.375	714	2B5V48	4.8	2B5V124	12.4	2...BX93	32.8 to 36.7
30	2...15	1.625	841	2B5V58	5.8	2B5V124	12.4	2...BX93	32.6 to 36.5
40	2...20	1.625	928	2B5V58	5.9	2B5V110	11.1	2...5VX950	32.6 to 36.5
50	2...25	1.875	1020	2B5V64	6.5	2B5V110	11.1	2...5VX950	32.5 to 36.3
60	2...30	1.875	1094	2B5V68	6.9	2B5V110	11.1	2...5VX950	32.5 to 36.3

Table 10 — Optional Return/Exhaust Fan Drive Data

TOTAL HP	MOTOR QTY...HP	MOTOR SHAFT DIA. (in.)	SPEED RPM	MOTOR SHEAVE		BLOWER SHEAVE		QTY...BELT	CENTER DISTANCE RANGE (in.)
				Part Number	Pitch Diameter (in.)	Part Number	Pitch Diameter (in.)		
20	1...20	1.625	1104	3B5V52	5.3	3R5V85	8.5	3...5VX1000	38.1 to 41.0
25	1...25	1.875	1209	3B5V66	6.7	3R5V97	9.8	3...5VX1060	38.9 to 41.8
30	1...30	1.875	1271	3B5V60	6.1	3R5V85	8.5	3...5VX1030	38.9 to 41.8
40	1...40	2.125	1396	3B5V66	6.7	3R5V85	8.5	3...5VX1060	39.9 to 42.8

Step 6 — Field-Fabricate Ductwork

⚠ WARNING

For vertical supply and return units, tools or parts could drop into ductwork and cause an injury. Install a 90-degree elbow in the return ductwork between the unit and the conditioned space. If a 90-degree elbow cannot be installed, then a grille of sufficient strength and density should be installed to prevent objects from falling into the conditioned space. Due to electric heater, supply duct will require 90-degree elbow. Failure to follow these instructions could result in personal injury or property damage due to fire or falling objects.

NOTE: A 90-degree elbow must be provided in the supply ductwork to comply with UL (Underwriters Laboratories) codes for use with electric heat.

VERTICAL SUPPLY/RETURN — The 50P2,P3 units are designed for vertical supply/return only. Field-fabricated ductwork must be attached to the roof curb, or to the support steel, prior to the final rigging and installation of the unit. Supply and return duct dimensions are shown in Fig. 1-3.

To attach ductwork to roof curb, insert duct approximately 10 to 11 in. up into roof curb. Connect ductwork to 14-gage roof curb material with sheet metal screws driven from inside the duct.

Secure all ducts to the building structure, using flexible duct connectors between roof curbs and ducts as required. Ducts passing through an unconditioned space must be insulated and covered with a vapor barrier. Outlet grilles must not lie directly below unit discharge.

Design supply duct strong enough to handle expected static pressures.

HORIZONTAL SUPPLY/RETURN — The 50P4,P5 units are designed for horizontal return (end of unit) and horizontal supply (left hand side of unit). Units are shipped with sheet metal duct opening covers. Units are provided with duct flanges on each opening. Ductwork should be connected directly to the unit duct flanges after the unit has been rigged, positioned, and installed. Remove and discard duct covers prior to connecting ductwork. Supply and return duct dimensions are shown in Base Unit Dimensional Drawings on pages 20-29.

To attach ductwork to unit flanges, insert duct approximately 3-in. over the flanges. Connect ductwork to 14-gage flanges with sheet metal screws driven from outside of the duct. Add sealant or caps to sharp points on screws where appropriate for technician safety.

Secure all ducts to the building structure, using flexible duct connectors between roof curbs and ducts as required. Ducts passing through an unconditioned space must be insulated and covered with a vapor barrier.

Design supply duct strong enough to handle expected static pressures.

HORIZONTAL SUPPLY/VERTICAL RETURN WITH OPTIONAL RETURN/EXHAUST FAN — The 50P4,P5 units with return/exhaust fan are designed for vertical return and horizontal supply (left hand side of unit). Units are shipped with sheet metal duct opening cover for the horizontal supply. Units are provided with duct flanges on the supply opening. Ductwork should be connected directly to the unit duct flanges after the unit has been rigged, positioned and installed. Remove and discard duct covers prior to connecting ductwork. Field-fabricated ductwork must be attached to the return roof curb, on to the support steel, prior to the final rigging and installation of the unit. Return duct dimensions are shown in Fig. 3.

To attach ductwork to roof curb, insert duct approximately 10 to 11-in. up into roof curb. Connect ductwork to 14-gage roof curb material with sheet metal screws driven from inside the duct. To attach ductwork to unit flanges, insert duct approximately 3-in. over the flanges. Connect ductwork to 14-gage flanges with sheet metal screws driven from outside of the duct. Add sealant or caps to sharp points on screws where appropriate for technician safety.

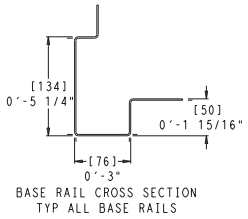
Secure all ducts to the building structure, using flexible duct connectors between roof curbs and ducts, as required. Ducts passing through an unconditioned space must be insulated and covered with a vapor barrier. Outlet grilles must not lie directly below unit discharge. The return duct must have a 90-degree elbow before opening into the building space if the unit is equipped with power exhaust.

Design supply duct strong enough to handle expected static pressures.

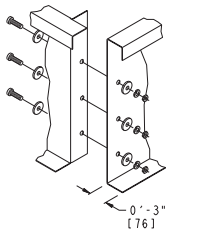
Step 7 — Rig Unit — Do not drop unit; keep upright. Use spreader bars over unit to prevent sling or cable damage. Sheets of plywood placed along the condenser coils will provide additional protection. All lifting lugs MUST be used when lifting unit. Level by using unit frame as a reference. See Fig. 9 and 10 for information. Unit and accessory weights are shown in Tables 1A-1C and 6. Weight distribution and center of gravity can be found in Fig. 11.

NOTES:

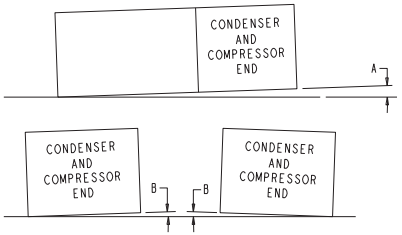
1. ROOF CURB IS SHIPPED DISASSEMBLED.
2. ROOFCURB: 14 GA.[VA03-56] STL.
3. DIMENSIONS IN [ ] ARE MILLIMETERS.



BASE RAIL CROSS SECTION
TYP ALL BASE RAILS



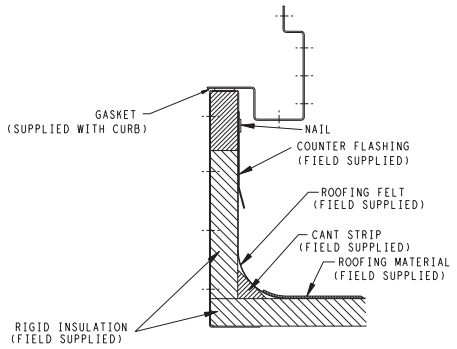
(CORNER CONNECTIONS AND
SPLICE PLATE CONNECTIONS)



DIMENSIONS
(degrees and inches)

A		B	
DEG.	IN.	DEG.	IN.
1.0	2.0	.50	.75

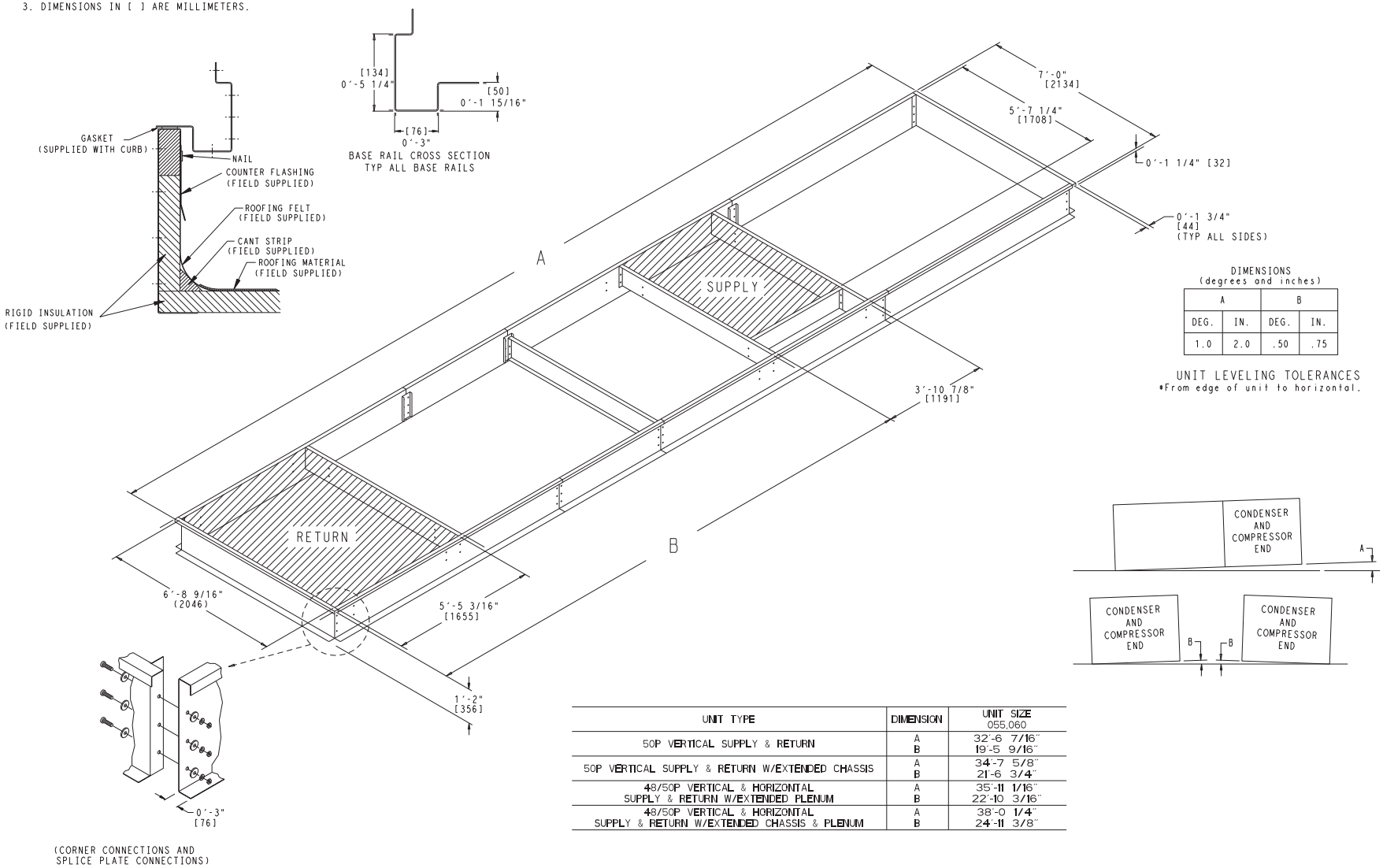
UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.



UNIT TYPE	DIMENSION	UNIT SIZE 030,035	UNIT SIZE 040,050
50P VERTICAL SUPPLY & RETURN	A	19′-2 3/8"	25′-9 5/8"
	B	10′-10 3/8"	13′-7 1/16"
50P VERTICAL SUPPLY & RETURN W/EXTENDED CHASSIS	A	21′-3 9/16"	27′-10 13/16"
	B	12′-11 9/16"	15′-8 7/32"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED PLENUM	A	20′-9 1/16"	27′-4 9/16"
	B	13′-3 11/16"	16′-0 5/8"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED CHASSIS & PLENUM	A	22′-10 1/4"	29′-5 13/16"
	B	15′-4 7/8"	18′-1 7/8"

Fig. 1 — Roof Curb — Sizes 030-050

NOTES:
1. ROOF CURB IS SHIPPED DISASSEMBLED.
2. ROOF CURB: 14 GA.[VA03-56] STL.
3. DIMENSIONS IN [ ] ARE MILLIMETERS.



DIMENSIONS
(degrees and inches)

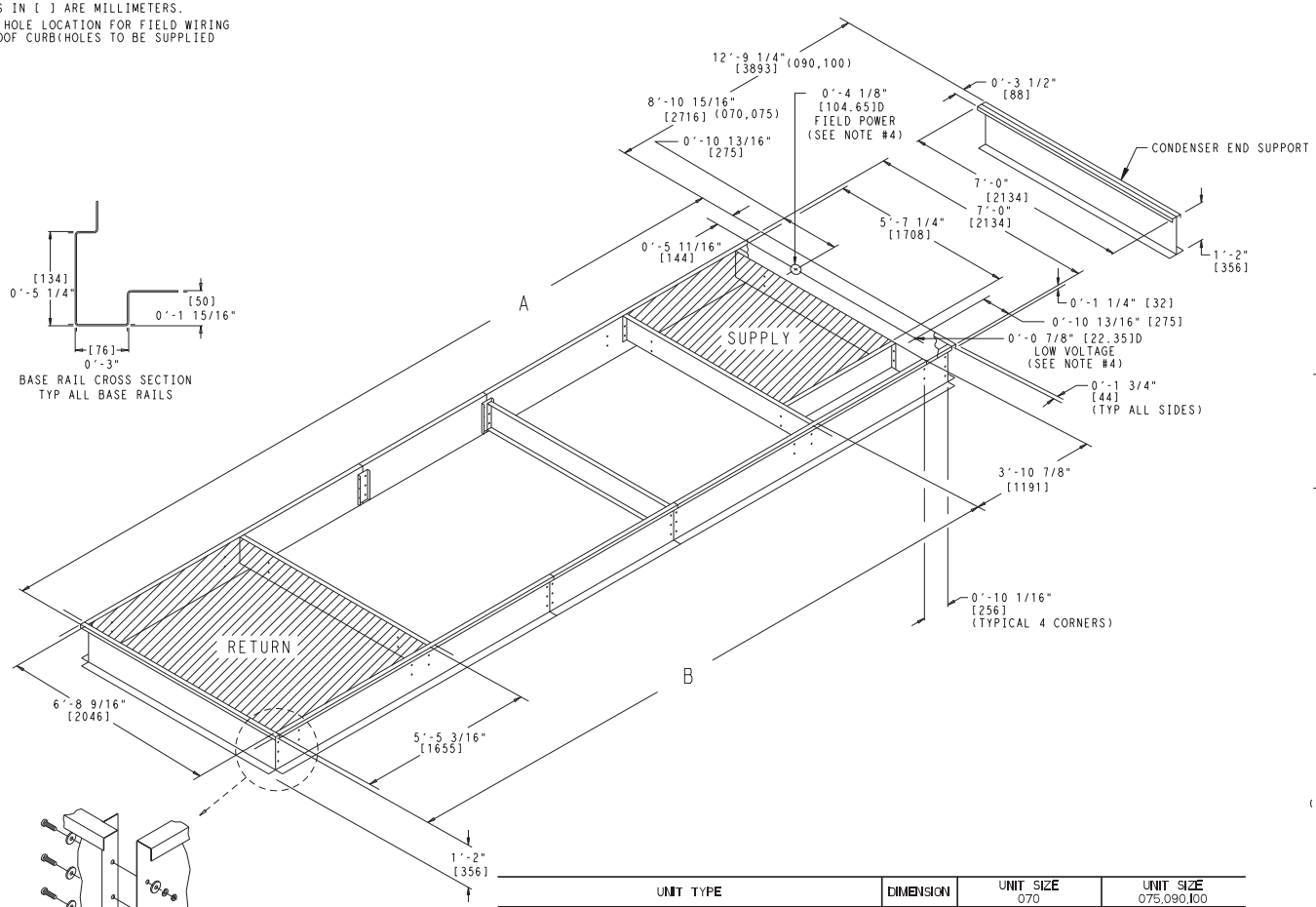
A		B	
DEG.	IN.	DEG.	IN.
1.0	2.0	.50	.75

UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.

UNIT TYPE	DIMENSION	UNIT SIZE 055,060
50P VERTICAL SUPPLY & RETURN	A	32′-6 7/16"
	B	19′-5 9/16"
50P VERTICAL SUPPLY & RETURN W/EXTENDED CHASSIS	A	34′-7 5/8"
	B	21′-6 3/4"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED PLENUM	A	35′-11 1/16"
	B	22′-10 3/16"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED CHASSIS & PLENUM	A	38′-0 1/4"
	B	24′-11 3/8"

Fig. 2 — Roof Curb — Sizes 055, 060

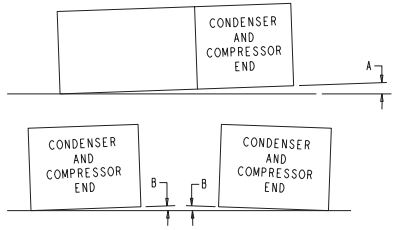
NOTES:
1. ROOF CURB ACCESSORY IS SHIPPED DISASSEMBLED.
2. ROOF CURB: 14 GA.[VA03-56] STL.
3. DIMENSIONS IN [ ] ARE MILLIMETERS.
4. SUGGESTED HOLE LOCATION FOR FIELD WIRING THROUGH ROOF CURB(HOLES TO BE SUPPLIED BY FIELD).



DIMENSIONS (degrees and inches)

A		B	
DEG.	IN.	DEG.	IN.
1.0	2.0	.50	.75

UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.



UNIT TYPE	DIMENSION	UNIT SIZE 070	UNIT SIZE 075,090,100
50P VERTICAL SUPPLY & RETURN	A	24'-5 1/16"	27'-9 11/16"
	B	19'-5 9/16"	22'-10 3/16"
50P VERTICAL SUPPLY & RETURN W/EXTENDED CHASSIS	A	26'-6 1/4"	29'-10 7/8"
	B	21'-6 3/4"	24'-11 3/8"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED PLENUM	A	27'-9 11/16"	27'-9 11/16"
	B	22'-10 3/16"	22'-10 3/16"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED CHASSIS & PLENUM	A	29'-10 7/8"	29'-10 7/8"
	B	24'-11 3/8"	24'-11 3/8"

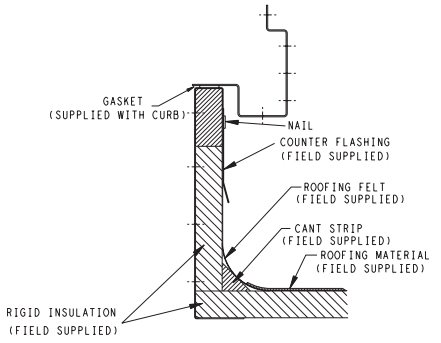
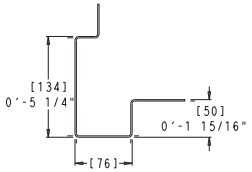
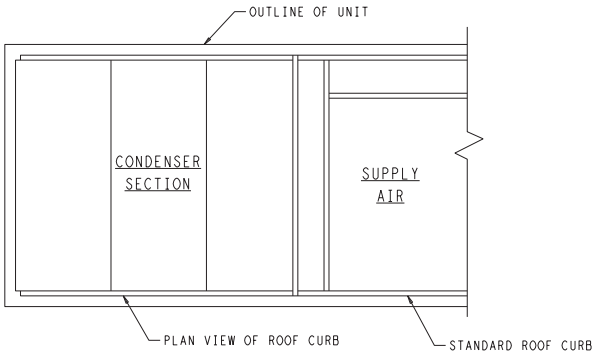


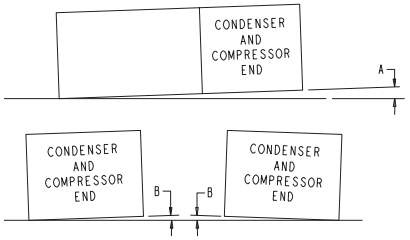
Fig. 3 — Roof Curb — Sizes 070-100

NOTES:
1. ROOF CURB ACCESSORY CRRFCURB070A00 IS SHIPPED DISASSEMBLED.
2. DIMENSIONS IN [ ] ARE MILLIMETERS.
3. ROOF CURB: 14 GA.[VA03-56] STL.
   ROOF CURB PANS: 16 GA.[VA03-56] STL.



BASE RAIL CROSS SECTION
TYP ALL BASE RAILS

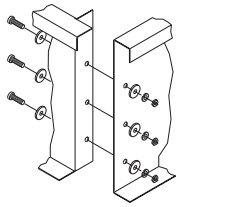


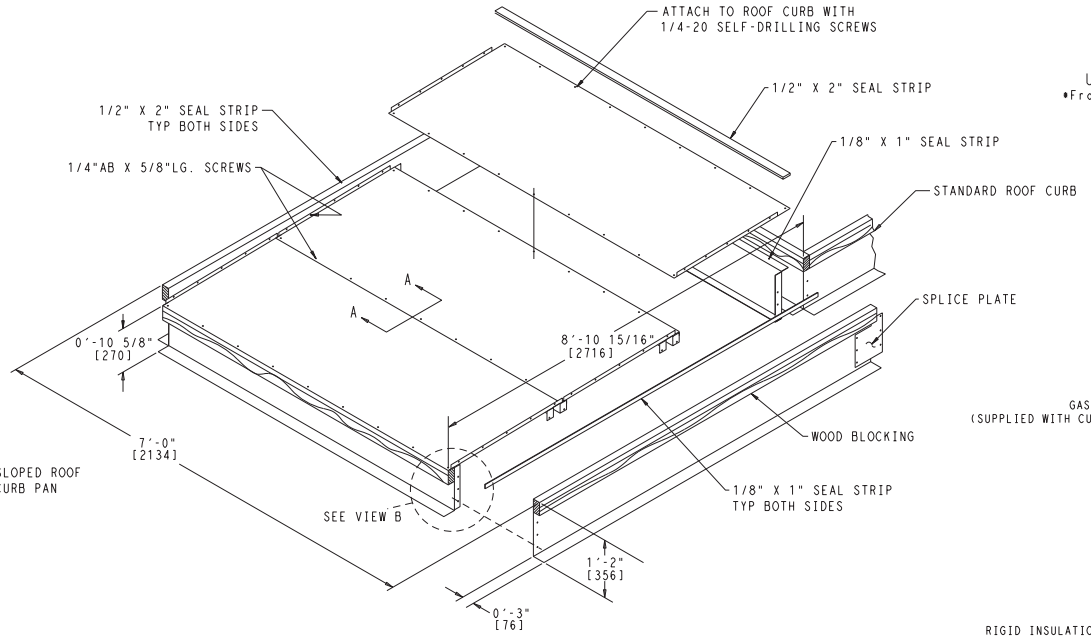


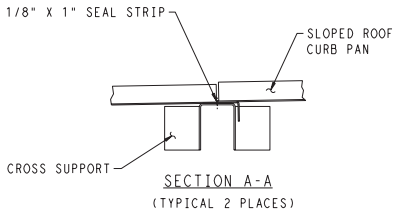
DIMENSIONS
(degrees and inches)

A		B	
DEG.	IN.	DEG.	IN.
1.0	2.0	.50	.75

UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.


VIEW B
(CORNER CONNECTIONS AND SPLICE PLATE CONNECTIONS)





SECTION A-A
(TYPICAL 2 PLACES)

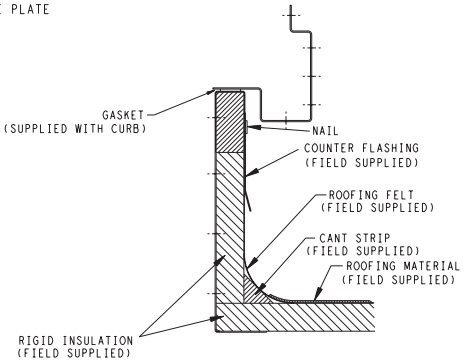
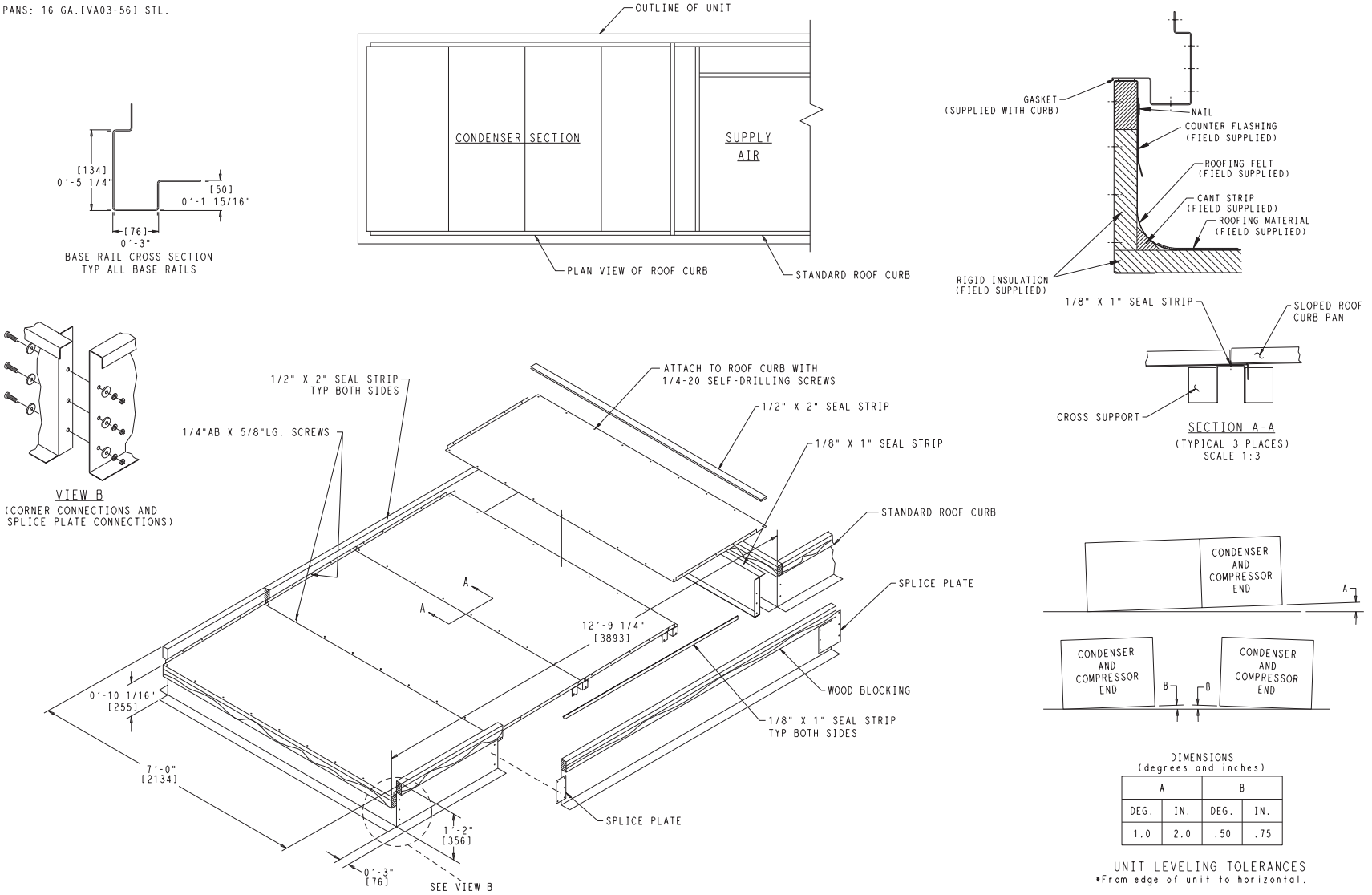


Fig. 4 — Condenser Section Roof Curb (Sizes 070 and 075)

NOTES:
1. ROOF CURB ACCESSORY CRRFCURB071A00 IS SHIPPED DISASSEMBLED.
2. DIMENSIONS IN [ ] ARE MILLIMETERS.
3. ROOF CURB: 14 GA.[VA03-56] STL.
   ROOF CURB PANS: 16 GA.[VA03-56] STL.



DIMENSIONS
(degrees and inches)

A		B	
DEG.	IN.	DEG.	IN.
1.0	2.0	.50	.75

UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.

Fig. 5 — Condenser Section Roof Curb (Sizes 090 and 100)

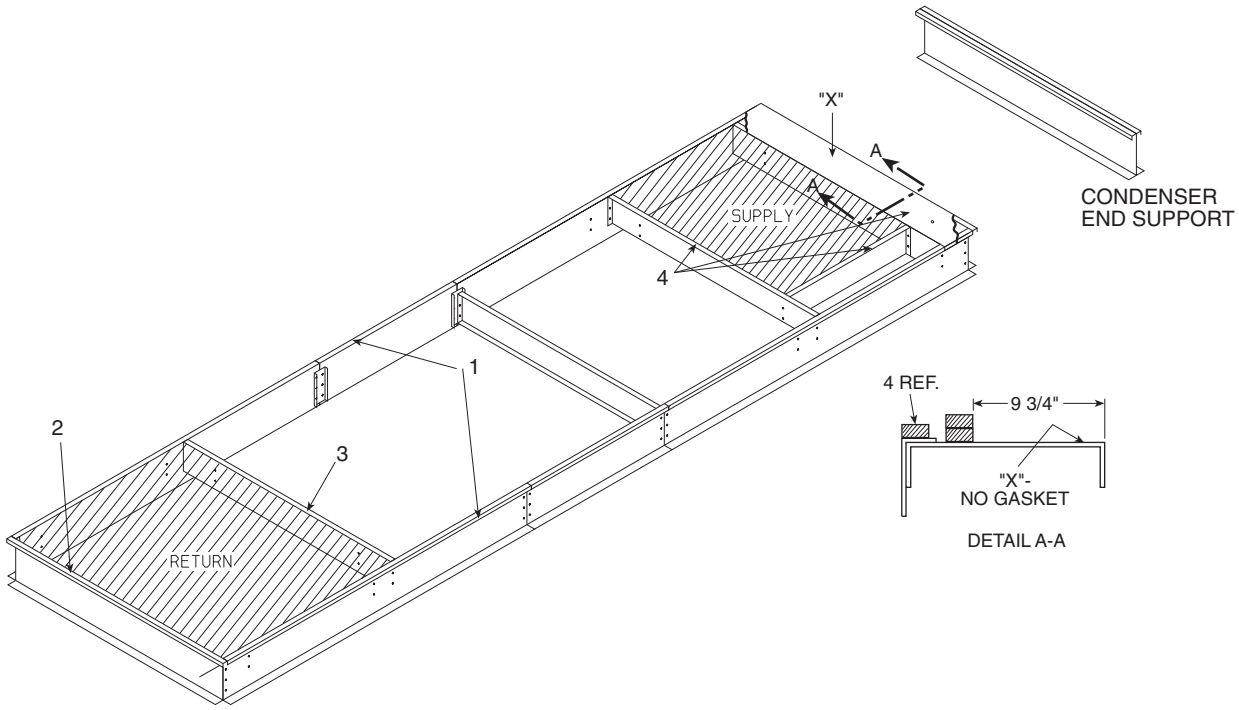


Fig. 6 — Gasket Location on Roof Curb (Size 070-100 Units)

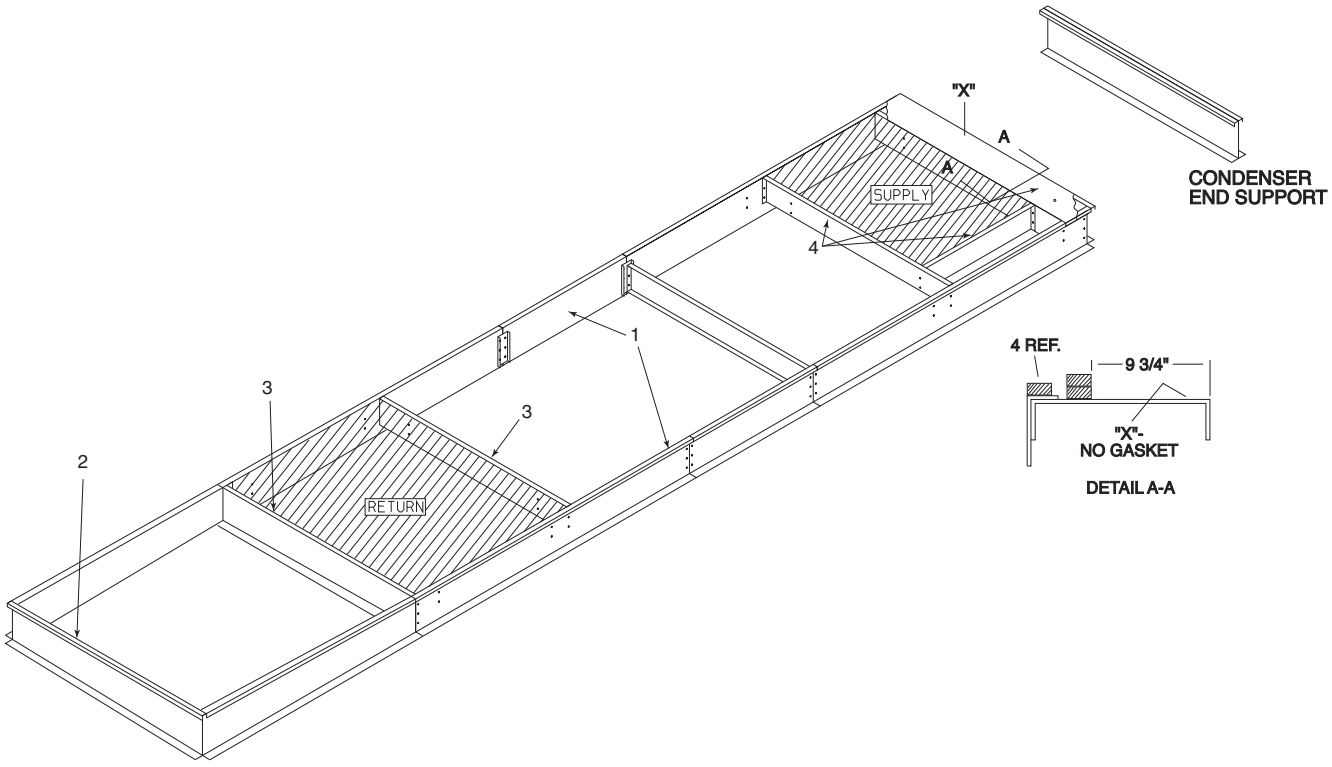


Fig. 7 — Gasket Location on Roof Curb (Size 075-100 Units with Optional High-Capacity Power Exhaust)

Step 8 — Connect Condensate Drain — There are a total of five drain connections required on each unit: one primary drain (on right-hand side of the unit) and four secondary drains (two on each side of unit).

PRIMARY DRAIN — The primary drain is a 2-in. FPT pipe connection located on the right-hand side of the unit looking at the unit from the return air end. See Fig. 12-21. Figure 22 shows the additional chassis length for optional extended chassis units.

With field-supplied fittings and pipe sections, plumb the primary condensate drain to the 2-in. FPT connector on the base rail. Use a trap height of at least 4-in. for size 030-070 units and 7-in. for size 075-105 units. See Fig. 23 and 24. Apply a bead of RTV or similar sealant around the pipe joint at the connector in the base rail.

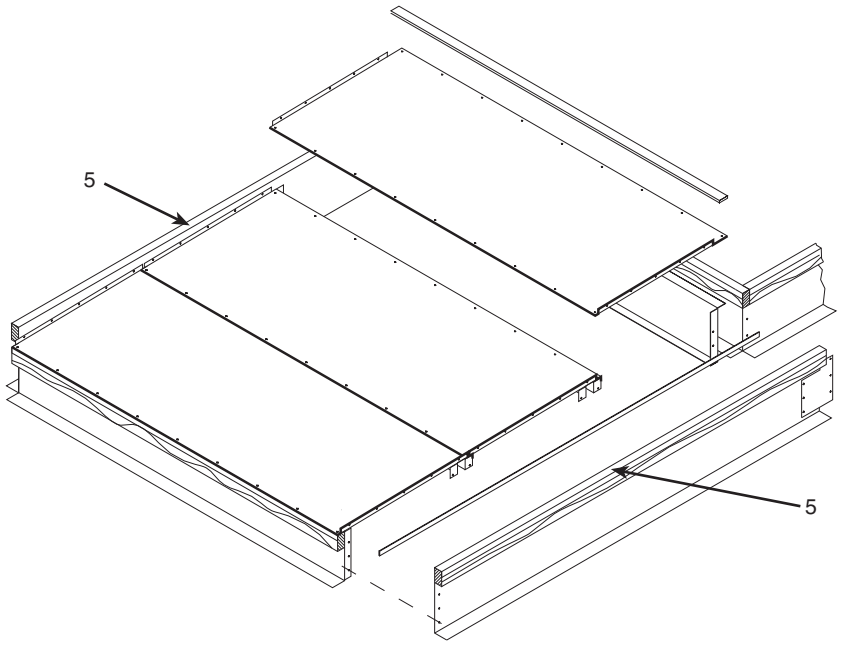


Fig. 8 — Gasket Location — Condenser Section Roof Curb (Size 070-100 Units)

SECONDARY DRAINS (Units Installed on Curb) — There are two secondary drain connections on each side of the unit. There are secondary drains on each side of the unit in the filter section and one on each side of the unit in the supply fan section. There are labels marking each location on the unit base rail. See Fig. 12-21.

Locate the four $1^1/_4$-in. drain coupling assemblies and mounting screws (shipped in a bag taped to the basepan in the supply fan section, located behind the access panel marked FAN SECTION). The drain couplings are a 10-gage plate with a $1^1/_4$ in. half coupling welded to the plate.

At each secondary drain hole location, there is a $1^3/_8$-in. hole pre-drilled in the bottom of the base rail, surrounded by four 0.20-in. engagement holes. Install a drain coupling assembly using screws provided at each secondary drain hole location. See Fig. 25. Do not attach any drain coupling assemblies in the condenser section base rail.

Using field-supplied fittings and pipe sections, assemble U-traps at each secondary drain fitting. See Fig. 26. Provide a minimum size of ½-in. pipe for secondary drains. Use a trap at least 4-in. deep for size 030-070 units and 7-in. deep for size 075-105 units. Apply a bead of RTV or similar sealant around the drain assemblies. See Fig. 26.

Consult local plumbing codes for direction on joining multiple drain lines. Total size of any combined line does not need to exceed nominal 2-in. size of primary drain connection.

Fill the U-traps at the secondary drain locations prior to unit start-up. Also check the U-traps before each cooling season to ensure the traps are filled and functioning properly.

SECONDARY DRAINS (Units Installed on Steel Beam or Slab) — There are two secondary drain connections required on each side of the unit. There are secondary drains on the bottom of the base rail on each side of the unit in the filter section and on each side of the unit in the supply fan section. There are labels marking each location on the unit base rail. See Fig. 12-21. Drain holes will need to be drilled in these locations at the side of the base rail. The existing secondary drain holes in the bottom of the base rail must be sealed. Prior to final positioning of the unit, apply a bead of RTV or similar sealant around each secondary drain hole in the bottom of the unit base rail and install field-supplied metal seal plate, then position the unit into final location. See Fig. 27.

Using field-supplied fittings and pipe sections, assemble U-traps at each secondary drain fitting. See Fig. 26. Provide a minimum size of ½-in. pipe for secondary drains. Use a trap at least 4-in. deep for size 030-070 units and 7-in. deep for size 075-105 units. Apply a bead of RTV or similar sealant around the drain assemblies. See Fig. 24.

Locate the four $1^1/_4$-in. drain coupling assemblies and mounting screws (shipped in a bag taped to the basepan in the supply fan section, located behind the access panel marked FAN SECTION). The drain couplings are a 10-gage plate with a $1^1/_4$ in. half coupling welded to the plate.

After final positioning of the unit, perform the following procedure:

1. At each of the four secondary drain location (marked with labels on the unit base rail), position the drain coupling assembly in the side of the base rail. Mark the screw holes and the drain hole locations on the base rail.
2. Drill holes for drain outlet (use $1^3/_8$-in. hole saw) and for the mounting screws (use $^3/_{16}$-in. drill bit).
3. Install a drain coupling assembly using screws provided at each secondary drain hole location.
4. Using field-supplied fittings and pipe sections, assemble U-traps at each secondary drain fitting. See Fig. 24. Provide minimum size of $^1/_2$-in. pipe for secondary drains. Use a trap at least 4-in. deep for size 030-070 units and 7-in. deep for size 075-105 units.
5. Apply a bead of RTV or similar sealant around the drain assemblies.

Consult local plumbing codes for direction on joining multiple drain lines. Total size of any combined line does not need to exceed nominal 2-in. size of primary drain connection.

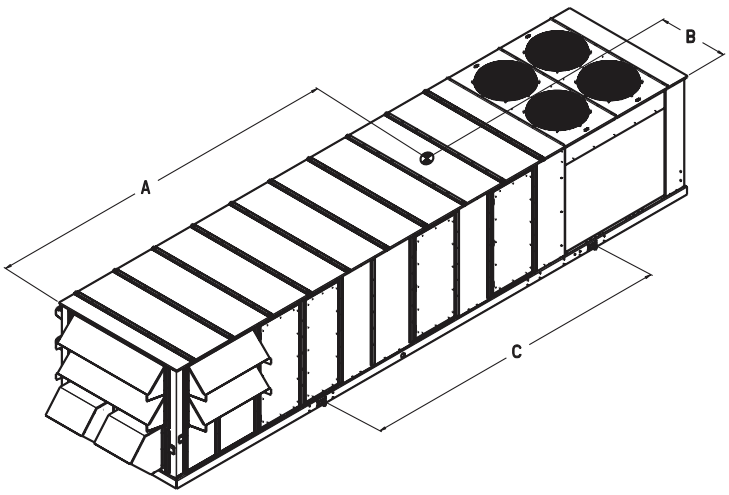
Fill the U-traps at the secondary drain locations prior to unit start-up. Also check the U-traps before each cooling season to ensure the traps are filled and functioning properly.

⚠ CAUTION - NOTICE TO RIGGERS:

ALL PANELS MUST BE IN PLACE WHEN RIGGING.

NOTE: Rig with four cables and spread with two 95 inch (2413 MM) spreader bars.

MODEL POSITION			UNITS	SIZE	WEIGHT		CENTER OF GRAVITY				LIFTING LUGS	
							A		B		C	
1,2,3	4	5			LBS	KGS	IN	MM	IN	MM	IN	MM
48P	2,3,4,5	B,D,H	48 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return Low Gas Heat	030	6019	2730	170.6	4334	45.8	1164	166.4	4227
				035	6169	2798	170.9	4342	45.8	1164	166.4	4227
				040	6710	3044	198.2	5035	45.8	1164	185.3	4707
				050	6925	3141	201.3	5113	45.8	1164	185.3	4707
				055	9220	4182	228.9	5814	45.8	1164	257.5	6541
				060	9275	4207	228.5	5803	45.8	1164	257.5	6541
				070	9615	4361	244.7	6215	40.2	1021	219.0	5563
				075	10665	4838	253.1	6429	40.2	1021	255.7	6495
				090	11265	5110	260.9	6628	41.5	1054	255.7	6495
				100	11285	5119	260.0	6603	41.5	1054	255.7	6495
48P	2,3,4,5	C,E,J	48 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return High Gas Heat	030	6149	2789	169.7	4310	45.8	1164	166.4	4227
				035	6299	2857	170.0	4319	45.8	1164	166.4	4227
				040	6840	3103	197.3	5012	45.8	1164	185.3	4707
				050	7055	3200	200.4	5090	45.8	1164	185.3	4707
				055	9350	4241	229.0	5816	45.8	1164	257.5	6541
				060	9405	4266	228.5	5805	45.8	1164	257.5	6541
				070	9745	4420	244.8	6218	40.2	1021	219.0	5563
				075	10795	4897	254.4	6462	40.2	1021	255.7	6495
				090	11395	5169	262.1	6657	41.5	1054	255.7	6495
				100	11415	5178	261.3	6637	41.5	1054	255.7	6495
48P	2,3,4,5	P,R,W	48 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return Low Gas Heat Extended Chassis	030	6519	2957	187.1	4753	45.8	1164	191.6	4867
				035	6669	3025	187.7	4768	45.8	1164	191.6	4867
				040	7210	3270	214.8	5456	45.8	1164	208.2	5288
				050	7425	3368	217.9	5534	45.8	1164	208.2	5288
				055	9770	4432	242.7	6164	45.8	1164	273.2	6939
				060	9825	4457	242.2	6151	45.8	1164	273.2	6939
				070	9825	4457	258.8	6575	40.2	1021	250.2	6355
				075	11215	5087	266.7	6775	40.2	1021	280.8	7132
				090	11815	5359	274.7	6976	41.5	1054	280.8	7132
				100	11835	5368	273.4	6944	41.5	1054	280.8	7132
48P	2,3,4,5	Q,S,X	48 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return High Gas Heat Extended Chassis	030	6649	3016	186.1	4726	45.8	1164	191.6	4867
				035	6799	3084	186.7	4742	45.8	1164	191.6	4867
				040	7340	3329	213.8	5431	45.8	1164	208.2	5288
				050	7555	3427	216.8	5507	45.8	1164	208.2	5288
				055	9900	4491	242.7	6166	45.8	1164	273.2	6939
				060	9955	4516	242.3	6153	45.8	1164	273.2	6939
				070	10295	4670	258.4	6564	40.2	1021	250.2	6355
				075	11345	5146	268.0	6808	40.2	1021	280.8	7132
				090	11945	5418	275.8	7005	41.5	1054	280.8	7132
				100	11965	5427	274.7	6978	41.5	1054	280.8	7132
50P	2,3	-,A,B,C	50 P2, P3 Vertical Supply/ Return	030	5519	2503	159.2	4043	45.8	1164	148.1	3762
				035	5669	2571	159.4	4049	45.8	1164	148.1	3762
				040	6210	2817	186.1	4727	45.8	1164	169.5	4305
				050	6425	2914	189.3	4807	45.8	1164	169.5	4305
				055	8230	3733	212.6	5401	45.8	1164	210.5	5347
				060	8285	3758	212.3	5392	45.8	1164	210.5	5347
				070	8625	3912	250.5	6362	40.2	1021	176.5	4483
50P	2,3,4,5	-,B,C	50 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return	075	10265	4656	250.1	6354	40.2	1021	255.7	6495
				090	10865	4928	258.4	6562	41.5	1054	255.7	6495
				100	10885	4937	257.3	6535	41.5	1054	255.7	6495
50P	2,3	H	50 P2, P3 Vert Supply/ Return w/ Ext Plenum	030	5819	2639	152.3	3867	45.8	1164	166.4	4227
	4,5	-		035	5969	2708	152.1	3863	45.8	1164	166.4	4227
				040	6510	2953	180.2	4576	45.8	1164	185.3	4707
			50 P4, P5 Horizontal Supply/ Return	050	6725	3050	183.6	4665	45.8	1164	185.3	4707
				055	8780	3983	231.7	5885	45.8	1164	257.5	6541
				060	8835	4008	231.3	5874	45.8	1164	257.5	6541
				070	9175	4162	247.5	6287	40.2	1021	219.0	5563
50P	2,3	R,S,T,V,W	50 P2, P3 Vertical Supply/ Return w/ Extended Chassis	030	6019	2730	175.4	4456	45.8	1164	173.3	4402
				035	6169	2798	176.2	4475	45.8	1164	173.3	4402
				040	6710	3044	202.8	5151	45.8	1164	194.7	4945
				050	6925	3141	205.8	5228	45.8	1164	194.7	4945
				055	8780	3983	226.0	5741	45.8	1164	208.2	5288
				060	8835	4008	225.6	5731	45.8	1164	208.2	5288
				070	9175	4162	264.8	6725	40.2	1021	201.7	5123
50P	2,3,4,5	R,T,V,W	50 P2, P3, P4, P5 Vert, Horz Supply/ Return w/ Extended Chassis	075	10815	4906	264.6	6722	40.2	1021	280.8	7132
				090	11415	5178	272.9	6932	41.5	1054	280.8	7132
				100	11435	5187	271.6	6899	41.5	1054	280.8	7132
50P	2,3	P,Y	50 P2, P3 Vert Supply/ Return w/ Ext Plenum w/ Extended Chassis	030	6319	2866	166.8	4237	45.8	1164	191.6	4867
	4,5	R,W		035	6469	2934	167.1	4244	45.8	1164	191.6	4867
				040	7010	3180	195.3	4961	45.8	1164	208.2	5288
			50 P4, P5 Horizontal Supply/ Return w/ Extended Chassis	050	7225	3277	198.8	5050	45.8	1164	208.2	5288
				055	9330	4232	245.1	6226	45.8	1164	273.2	6939
				060	9385	4257	244.7	6214	45.8	1164	273.2	6939
				070	9725	4411	260.8	6625	45.8	1164	250.2	6355



NOTE:

1. Weights do not include economizer or power exhaust.

48ZZ501077 2.0

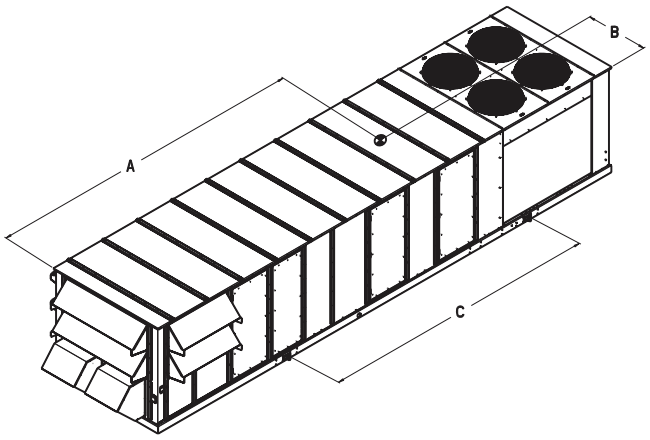
Fig. 9 — Rigging Label — Units without Optional Return Fan or High-Capacity Power Exhaust

⚠ CAUTION - NOTICE TO RIGGERS:

ALL PANELS MUST BE IN PLACE WHEN RIGGING.

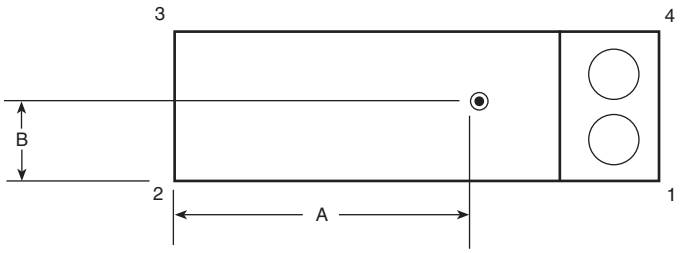
NOTE: Rig with four cables and spread with two 95 inch (2413 MM) spreader bars.

MODEL POSITION			UNITS	SIZE	WEIGHT		CENTER OF GRAVITY				LIFTING LUGS	
							A		B		C	
1,2,3	4	5			LBS	KGS	IN	MM	IN	MM	IN	MM
50P	2,3,4,5	-,B,C	50 P2, P3, P4, P5	075	11921	5407	220.1	5590	40.2	1021	255.7	6495
			Vert Supply/Return w/ RE Fan	090	12521	5679	228.4	5800	41.5	1054	255.7	6495
			Horz Supply Vert Return w/ RE Fan	100	12541	5689	227.8	5786	41.5	1054	255.7	6495
48P	2,3,4,5	B,D,H	48 P2, P3, P4, P5 Low Gas Heat	075	12321	5589	224.6	5706	40.2	1021	255.7	6495
			Vert Supply/Return w/ RE Fan	090	12921	5861	232.6	5908	41.5	1054	255.7	6495
			Horz Supply Vert Return w/ RE Fan	100	12941	5870	230.4	5853	41.5	1054	255.7	6495
48P	2,3,4,5	C,E,J	48 P2, P3, P4, P5 High Gas Heat	075	12451	5648	226.9	5764	40.2	1021	255.7	6495
			Vert Supply/Return w/ RE Fan	090	13051	5920	233.7	5936	41.5	1054	255.7	6495
			Horz Supply Vert Return w/ RE Fan	100	13071	5929	232.9	5915	41.5	1054	255.7	6495
50P	2,3,4,5	R,T,V,W	50 P2, P3, P4, P5	075	12471	5657	231.7	5885	40.2	1021	280.8	7132
			Vert Sup/Ret, Horz Sup/ Vert Ret	090	13071	5929	240.1	6098	41.5	1054	280.8	7132
			w/ RE Fan, w/ Ext Chassis	100	13091	5938	239.2	6075	41.5	1054	280.8	7132
48P	2,3,4,5	P,R,W	48 P2, P3, P4, P5 Low Gas Heat	075	12871	5838	236.2	6000	40.2	1021	280.8	7132
			Vert Sup/Ret, Horz Sup/ Vert Ret	090	13471	6110	244.3	6205	41.5	1054	280.8	7132
			w/ RE Fan, w/ Ext Chassis	100	13491	6119	241.8	6142	41.5	1054	280.8	7132
48P	2,3,4,5	Q,S,X	48 P2, P3, P4, P5 High Gas Heat	075	13001	5897	238.5	6058	40.2	1021	280.8	7132
			Vert Sup/Ret, Horz Sup/ Vert Ret	090	13601	6169	245.4	6234	41.5	1054	280.8	7132
			w/ RE Fan, w/ Ext Chassis	100	13621	6178	244.2	6203	41.5	1054	280.8	7132
48P	2,3,4,5	B,D,H	48 P2, P3, P4, P5 Low Gas Heat	075	13499	6123	290.1	7367	40.2	1021	312.1	7927
			Vert Sup/Ret, Horz Sup/Ret	090	14097	6394	297.7	7561	41.5	1054	312.1	7927
			w/ Hi Cap PE	100	14119	6404	297.1	7546	41.5	1054	312.1	7927
48P	2,3,4,5	C,E,J	48 P2, P3, P4, P5 High Gas Heat	075	13629	6182	291.3	7400	40.2	1021	312.1	7927
			Vert Sup/Ret, Horz Sup/Ret	090	14227	6453	298.9	7593	41.5	1054	312.1	7927
			w/ Hi Cap PE	100	14249	6463	298.2	7575	41.5	1054	312.1	7927
50P	2,3,4,5	-,B,C	50 P2, P3, P4, P5	075	13099	5942	287.1	7293	40.2	1021	312.1	7927
			Vert Sup/Ret, Horz Sup/Ret	090	13697	6213	295.1	7496	41.5	1054	312.1	7927
			w/ Hi Cap PE	100	13719	6223	294.4	7478	41.5	1054	312.1	7927
48P	2,3,4,5	R,T,V,W	48 P2, P3, P4, P5 Low Gas Heat	075	14049	6373	483.5	12280	40.2	1021	337.3	8567
			Vert Sup/Ret, Horz Sup/Ret	090	14647	6644	484.3	12302	41.5	1054	337.3	8567
			w/ Hi Cap PE w/ Ext Chassis	100	14669	6654	493.8	12542	41.5	1054	337.3	8567
48P	2,3,4,5	P,R,W	48 P2, P3, P4, P5 High Gas Heat	075	14179	6432	483.5	12280	40.2	1021	337.3	8567
			Vert Sup/Ret, Horz Sup/Ret	090	14777	6703	484.3	12301	41.5	1054	337.3	8567
			w/ Hi Cap PE w/ Ext Chassis	100	14799	6713	493.8	12542	41.5	1054	337.3	8567
50P	2,3,4,5	Q,S,X	50 P2, P3, P4, P5	075	13649	6191	483.5	12281	40.2	1021	337.3	8567
			Vert Sup/Ret, Horz Sup/Ret	090	14247	6462	484.4	12304	41.5	1054	337.3	8567
			w/ Hi Cap PE w/ Ext Chassis	100	14269	6472	493.8	12543	41.5	1054	337.3	8567



48ZZ501078 2.0

Fig. 10 — Rigging Label — Units with Optional Return Fan or High-Capacity Power Exhaust



50P2,P3,P4,P5 UNITS	SIZE	CORNER WEIGHTS (lb)				TOTAL (lb)	A	B
		1	2	3	4		in.	in.
50P2,P3 Vertical Supply/Return No Discharge Plenum No Extended Chassis	030	1848	914	913	1845	5,519	159 1/8	45 7/8
	035	1901	935	934	1898	5,669	159 3/8	45 7/8
	040	1826	1281	1279	1824	6,210	186 1/8	45 7/8
	050	1921	1293	1291	1919	6,425	189 1/4	45 7/8
	055	2204	1914	1911	2201	8,230	212 5/8	45 7/8
	060	2215	1930	1928	2212	8,285	212 1/4	45 7/8
	070	2984	1860	1452	2329	8,625	250 1/2	40 1/4
50P2,P3 Vertical Supply/Return 50P4,P5 Horizontal Supply/Return No Discharge Plenum, No Extended Chassis	075	3219	2545	1987	2514	10,265	250 1/8	40 1/4
	090	3108	2839	2348	2570	10,865	258 3/8	41 1/2
	100	3101	2857	2363	2564	10,885	257 1/4	41 1/2
50P2,P3 Vertical Supply/Return with Discharge Plenum and No Extended Chassis 50P4,P5 Horizontal Supply/Return with No Extended Chassis	030	1727	1184	1183	1725	5,819	152 1/4	45 7/8
	035	1770	1217	1215	1768	5,969	152 1/8	45 7/8
	040	1749	1508	1506	1746	6,510	180 1/8	45 7/8
	050	1842	1523	1521	1839	6,725	183 5/8	45 7/8
	055	2321	2072	2069	2318	8,780	231 3/4	45 7/8
	060	2331	2089	2087	2328	8,835	231 1/4	45 7/8
	070	2847	2305	1800	2223	9,175	247 1/2	40 1/4

50P2,P3,P4,P5 UNITS WITH OPTIONAL EXTENDED CHASSIS	SIZE	CORNER WEIGHTS (lb)				TOTAL (lb)	A	B
		1	2	3	4		in.	in.
50P2,P3 Vertical Supply/Return with Extended Chassis	030	2009	1003	1002	2006	6,019	175 1/2	45 7/8
	035	2067	1019	1018	2064	6,169	176 1/8	45 7/8
	040	1992	1365	1363	1989	6,710	202 3/4	45 7/8
	050	2086	1378	1377	2084	6,925	205 7/8	45 7/8
	055	2350	2043	2040	2347	8,780	226	45 7/8
	060	2361	2060	2057	2357	8,835	225 5/8	45 7/8
	070	3159	1993	1556	2467	9,175	264 3/4	40 1/4
50P2,P3 Vertical Supply/Return with Extended Chassis 50P4,P5 Horizontal Supply/Return with Extended Chassis	075	3398	2676	2089	2653	10,815	264 5/8	40 1/4
	090	3282	2966	2453	2714	11,415	272 7/8	41 1/2
	100	3272	2987	2470	2706	11,435	271 5/8	41 1/2
50P2,P3 Vertical Supply/Return with Extended Chassis and Discharge Plenum 50P4,P5 Horizontal Supply/Return with Extended Chassis	030	1872	1290	1288	1869	6,319	166 7/8	45 7/8
	035	1919	1318	1316	1916	6,469	167 1/8	45 7/8
	040	1899	1608	1606	1896	7,010	195 1/4	45 7/8
	050	1992	1623	1620	1990	7,225	198 7/8	45 7/8
	055	2467	2201	2198	2464	9,330	245 1/8	45 7/8
	060	2476	2219	2216	2473	9,385	244 5/8	45 7/8
	070	2683	2183	2180	2679	9,725	260 3/4	45 7/8

50P2,P3,P4,P5 UNITS WITH OPTIONAL RETURN FAN	SIZE	CORNER WEIGHTS (lb)				TOTAL (lb)	A	B
		1	2	3	4		in.	in.
50P2,P3 Vertical Supply/Return 50P4,P5 Horizontal Supply/Vertical Return	075	3290	3405	2658	2568	11,921	220 1/8	40 1/4
	090	3166	3688	3049	2618	12,521	228 3/8	41 1/2
	100	3163	3702	3061	2615	12,541	227 3/4	41 1/2
50P2,P3 Vertical Supply/Return with Extended Chassis 50P4,P5 Horizontal Supply/Vertical Return with Extended Chassis	075	3430	3573	2790	2678	12,471	231 3/4	40 1/4
	090	3306	3849	3182	2734	13,071	240 1/8	41 1/2
	100	3299	3867	3198	2728	13,091	239 1/8	41 1/2

50P2,P3,P4,P5 UNITS WITH OPTIONAL HIGH-CAPACITY POWER EXHAUST	SIZE	CORNER WEIGHTS (lb)				TOTAL (lb)	A	B
		1	2	3	4		in.	in.
50P2,P3 Vertical Supply/Return 50P4,P5 Horizontal Supply/Vertical Return	075	4006	3350	2615	3128	13,099	287 1/8	40 1/4
	090	3857	3641	3010	3189	13,697	295 1/8	41 1/2
	100	3854	3655	3023	3187	13,719	294 3/8	41 1/2
50P2,P3 Vertical Supply/Return with Extended Chassis 50P4,P5 Horizontal Supply/Vertical Return with Extended Chassis	075	6709	956	746	5238	13,649	483 1/2	40 1/4
	090	6308	1491	1233	5216	14,247	484 3/8	41 1/2
	100	6441	1370	1133	5326	14,269	493 7/8	41 1/2

LEGEND

PE — Power Exhaust

NOTE: The weight distribution and center of gravity information include the impact of an economizer, the largest indoor fan motor, and a VFD (variable frequency drive). On units with a return fan or high-capacity power exhaust, the largest motors and VFD are also included. These weights do not include the impact of other factory-installed options such as barometric relief, power exhaust, high-capacity indoor coil, hot water coil, or indoor fan.

Fig. 11 — Weight Distribution and Center of Gravity

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⊕ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0"
   ECONOMIZER END - 6'-0"(EXCEPT POWER EXHAUST UNITS 10'-0")
4. DOWNSHOT DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB. IF UNIT IS MOUNTED ON DUNNAGE,IT IS RECOMMENDED THE DUCTS BE SUPPORTED BY CROSS BRACES AS DONE ON THE ACCESSORY ROOF CURB.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.

UNIT SIZE	WEIGHT		A		B	
	LBS.	KGS.	MM	FT. IN.	MM	FT.IN
030	5519	2504	4043	13'-3 3/16"	1164	3'-9 13/16"
035	5669	2572	4049	13'-3 7/16"	1164	3'-9 13/16"

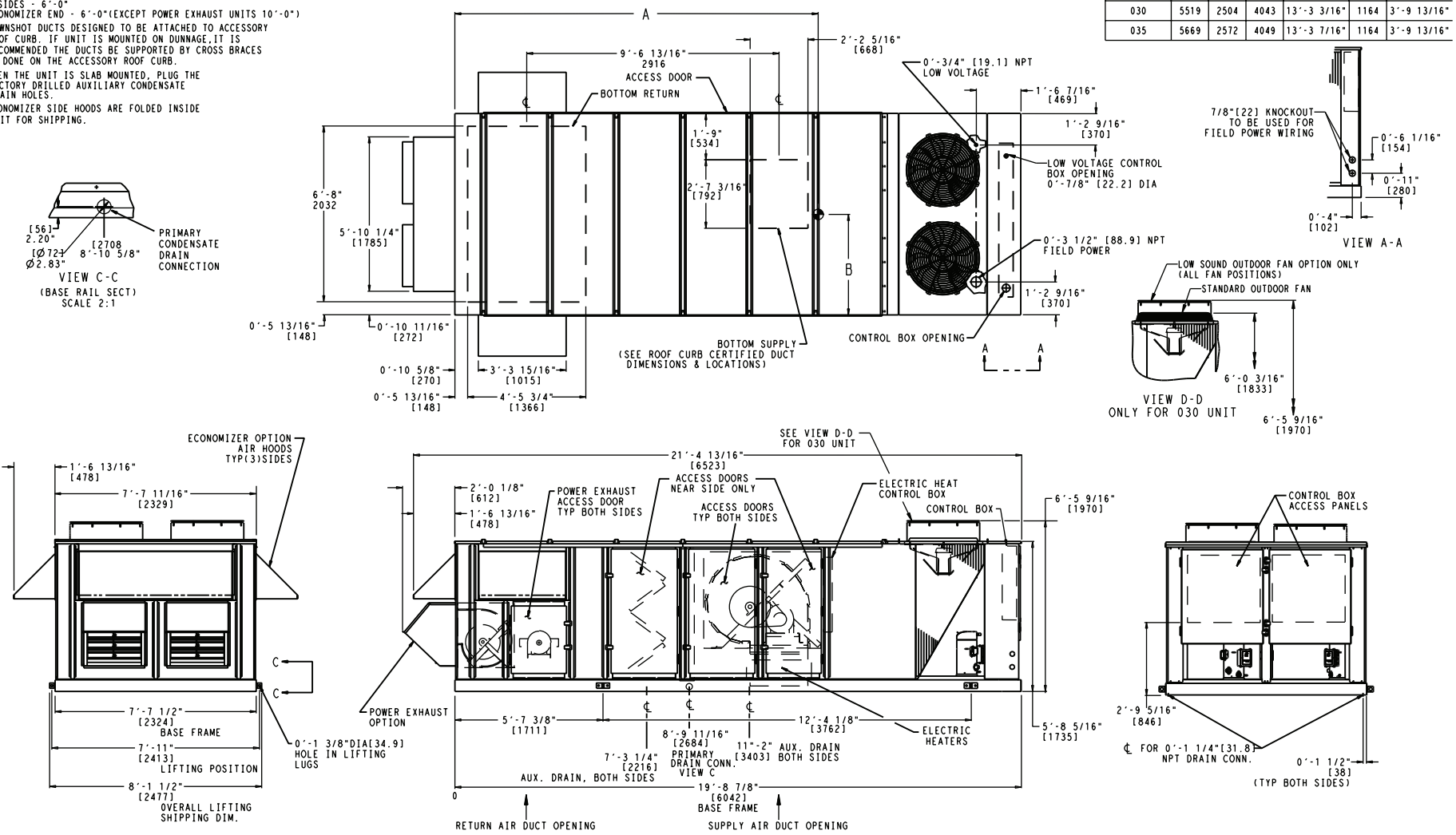


Fig. 12 — Base Unit Dimensional Drawing — 50P2,P3030,035 (Standard Chassis Unit Shown)

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0"
   ECONOMIZER END - 6'-0"(EXCEPT POWER EXHAUST UNITS 10'-0")
4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 32.5 mm FLANGE.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.

UNIT SIZE	WEIGHT		A		B	
	LBS.	KGS.	MM	FT. IN.	MM	FT.IN.
030	5819	2640	3867	12'-8 1/4"	1164	3'-9 13/16"
035	5969	2708	3863	12'-8 1/16"	1164	3'-9 13/16"

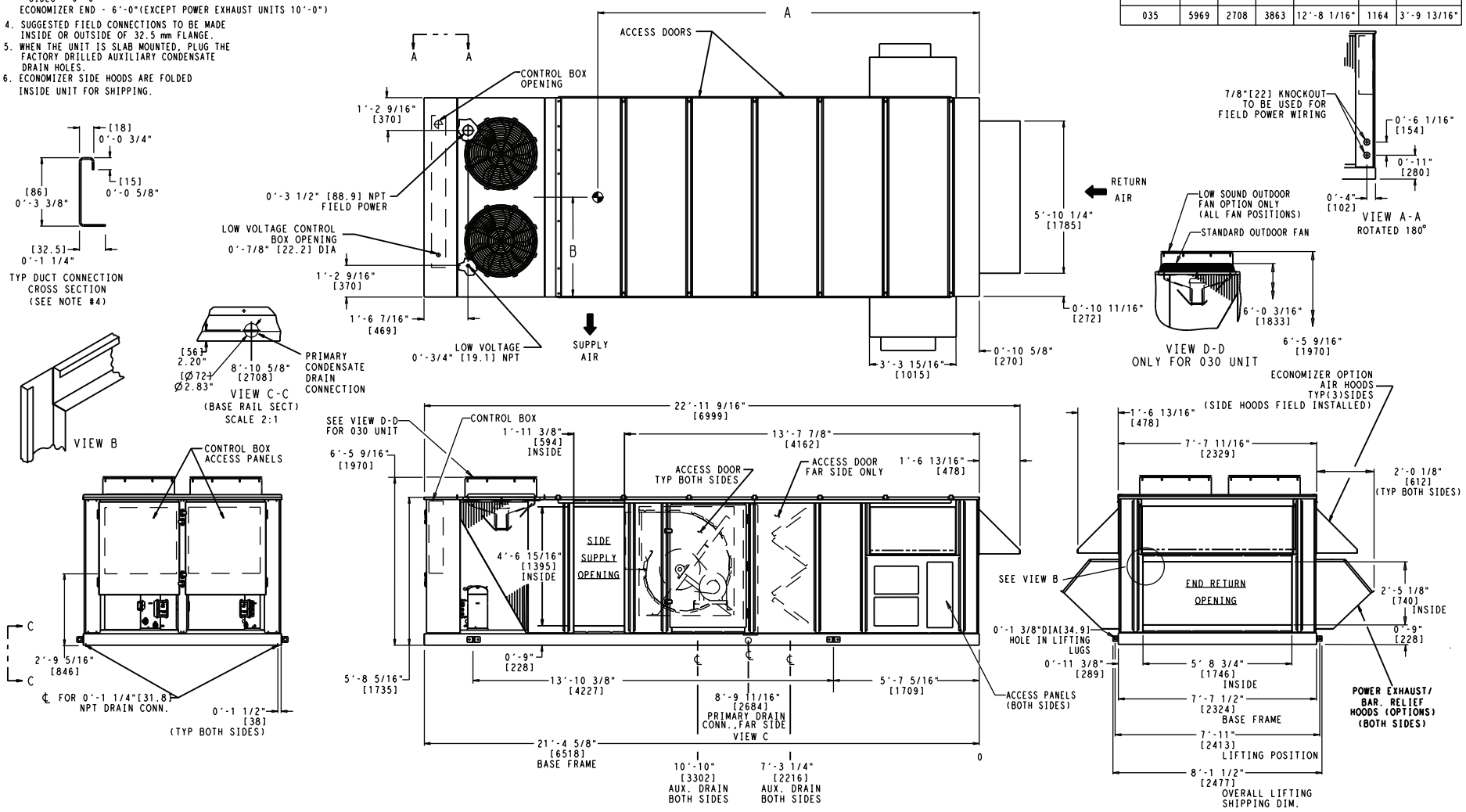


Fig. 13 — Base Unit Dimensional Drawing — 50P4,P5030,035 (Standard Chassis Unit Shown)

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⊕ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0"
   ECONOMIZER END - 6'-0"(EXCEPT POWER EXHAUST UNITS 10'-0")
4. DOWNSHOT DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB. IF UNIT IS MOUNTED ON DUNNAGE IT IS RECOMMENDED THE DUCTS BE SUPPORTED BY CROSS BRACES AS DONE ON THE ACCESSORY ROOF CURB.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT. IN.
040	6210	2817	4727	15'-6 1/8"
050	6425	2914	4807	15'-9 5/16"

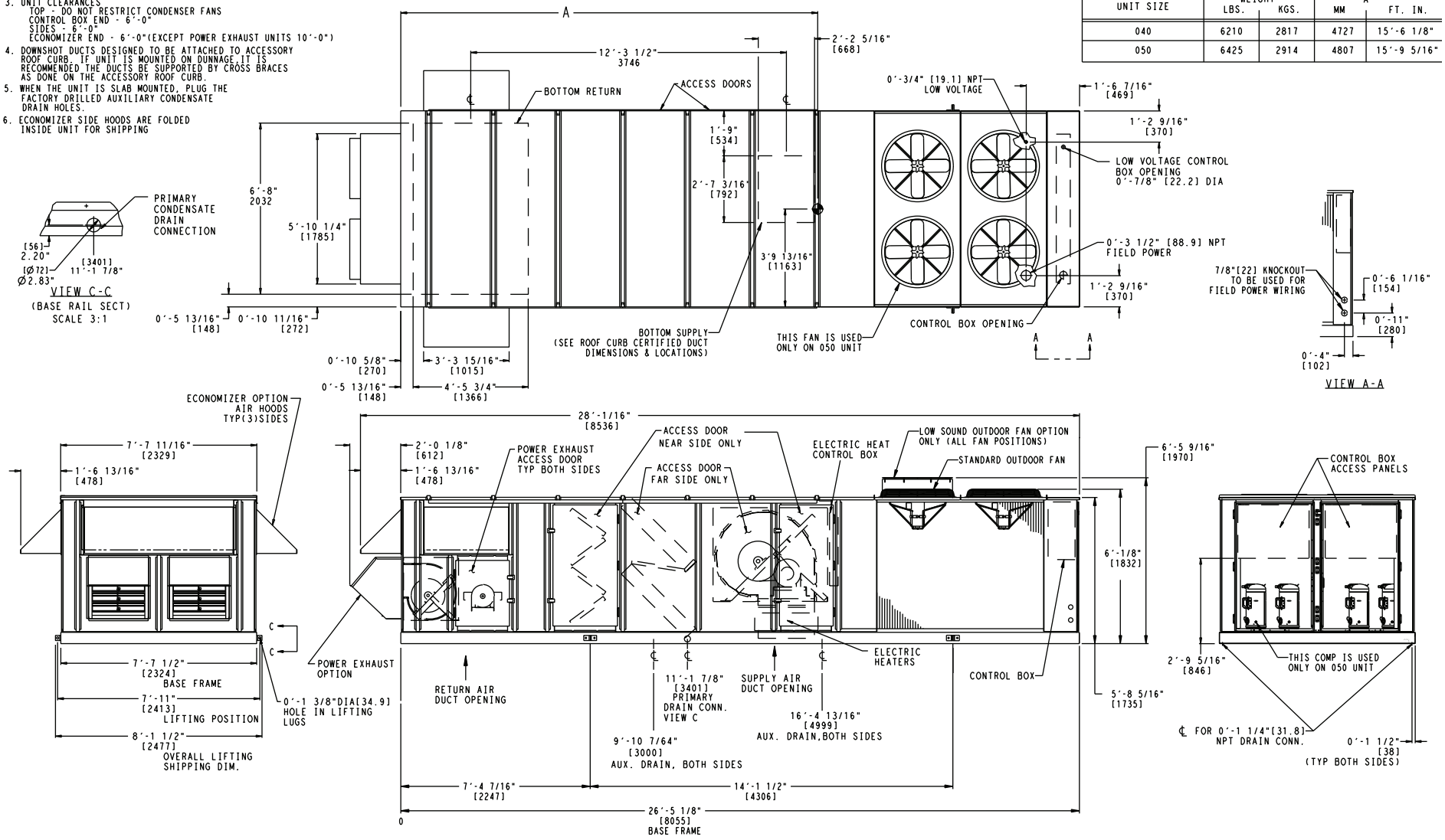


Fig. 14 — Base Unit Dimensional Drawing — 50P2,P3040-050 (Standard Chassis Unit Shown)

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⊕ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0"
   ECONOMIZER END - 6'-0"(EXCEPT POWER EXHAUST UNITS 10'-0")
4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 32.5 mm FLANGE.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT. IN.
040	6510	2953	4576	15'-3/16"
050	6725	3050	4665	15'-3 11/16"

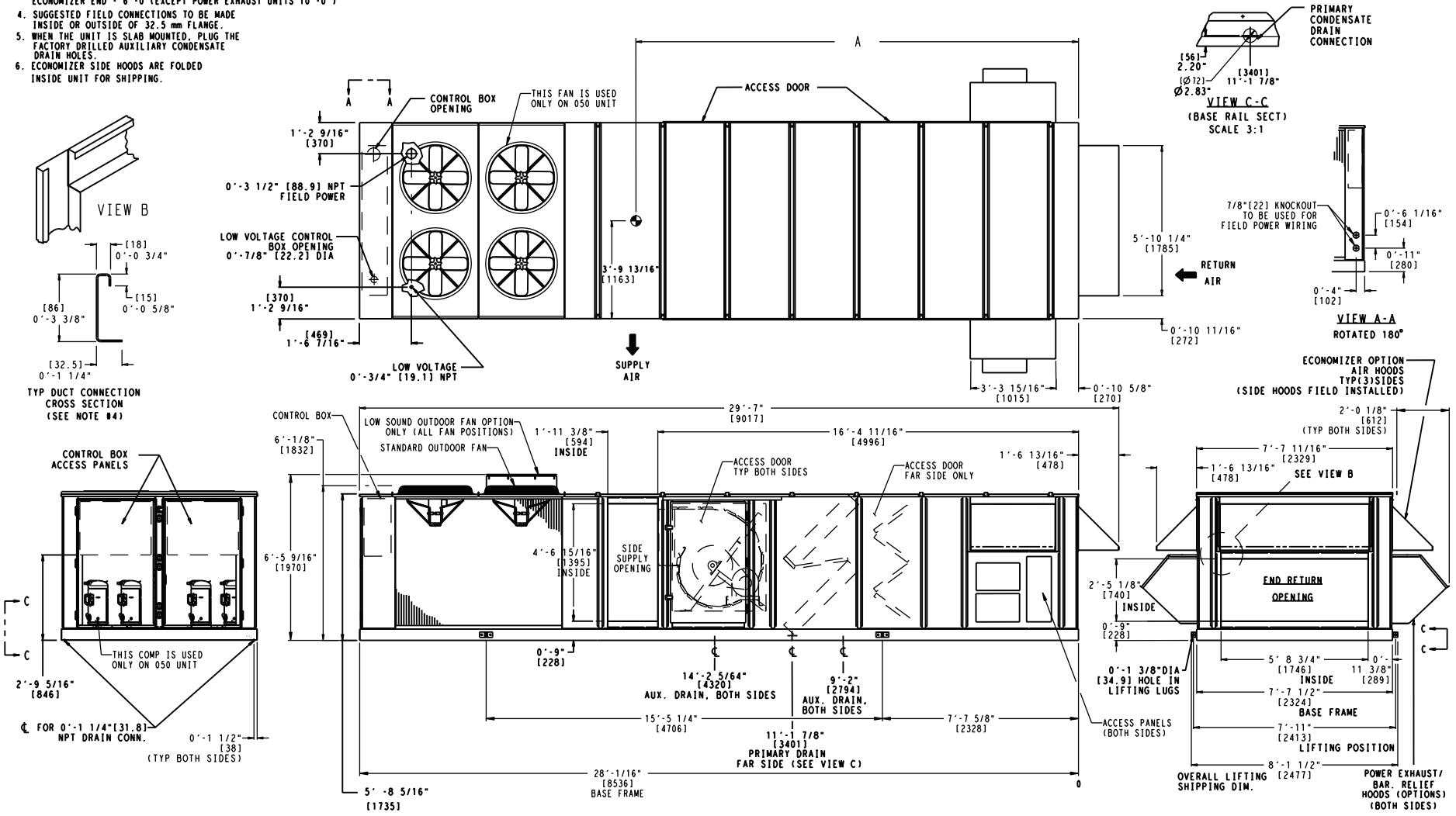


Fig. 15 — Base Unit Dimensional Drawing — 50P4,P5040-050 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT. IN.	B MM	B FT. IN.	C MM	C FT. IN.	D MM	D FT. IN.	E MM	E FT. IN.	MM	FT. IN.
055	8230	3733	2864	9'-4 3/4"	5363	17'-7 1/8"	5401	17'-8 5/8"	1163	3'-9 13/16"	10108	33'-1 15/16"	10492	34'-5 1/16"
060	8285	3758	2864	9'-4 3/4"	5363	17'-7 1/8"	5392	17'-8 5/16"	1163	3'-9 13/16"	10108	33'-1 15/16"	10492	34'-5 1/16"

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0"
   ECONOMIZER END - 6'-0"(EXCEPT POWER EXHAUST UNITS 10'-0")
4. DOWNSHOT DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB. IF UNIT IS MOUNTED ON DUNNAGE,IT IS RECOMMENDED THE DUCTS BE SUPPORTED BY CROSS BRACES AS DONE ON THE ACCESSORY ROOF CURB.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING

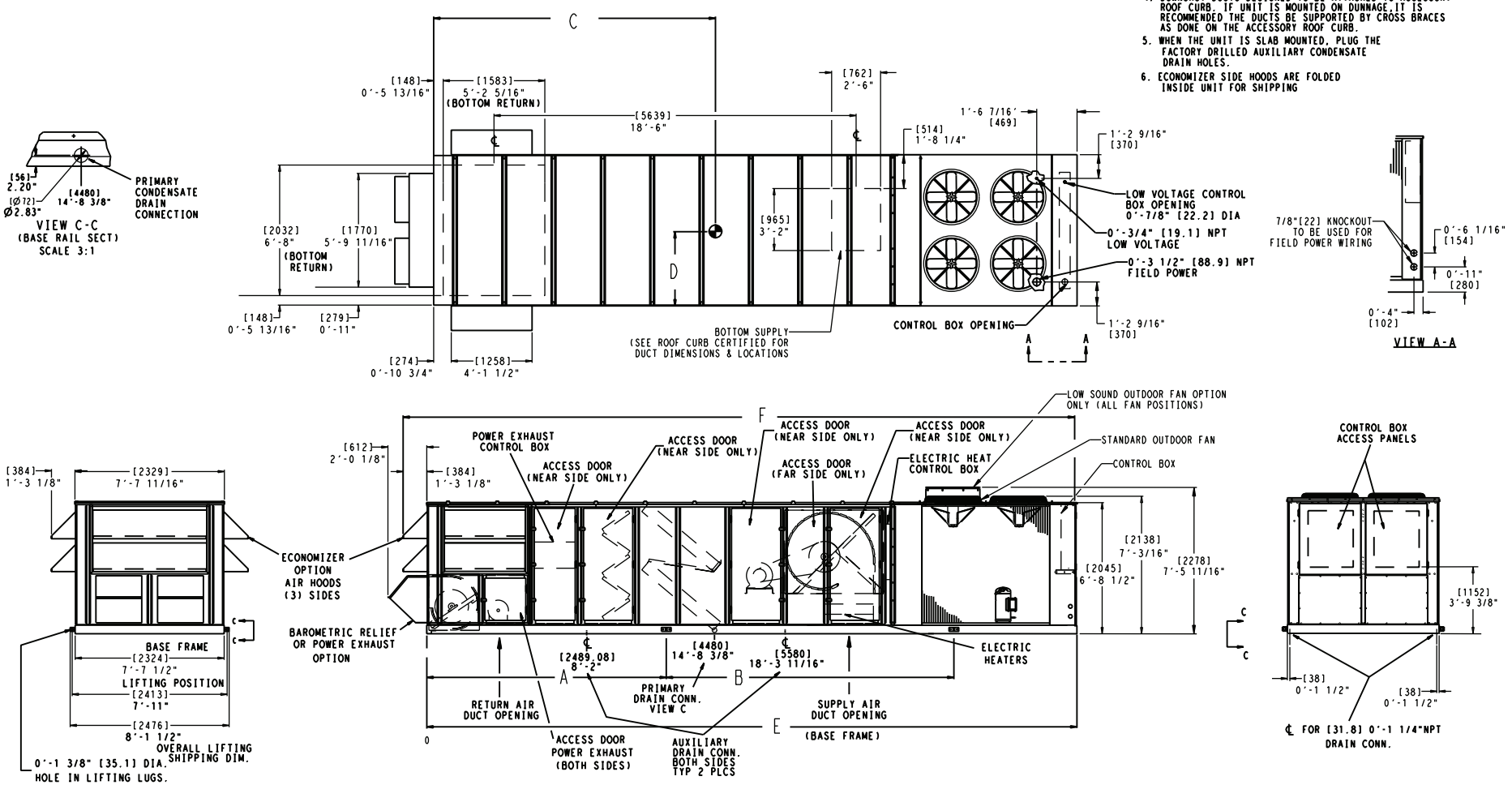


Fig. 16 — Base Unit Dimensional Drawing — 50P2,P3055,060 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT. IN.	B MM	B FT. IN.	C MM	C FT. IN.	D MM	D FT. IN.	E MM	E FT. IN.	F MM	F FT. IN.
055	8780	3983	2830	9'-3 3/4"	6427	21'-1"	5885	19'-3 11/16"	1163	3'-9 13/16"	11140	36'-6 9/16"	11524	37'-9 11/16"
060	8835	4008	2830	9'-3 3/4"	6427	21'-1"	5874	19'-3 5/16"	1163	3'-9 13/16"	11140	36'-6 9/16"	11524	37'-9 11/16"

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⊕ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6'-0"
   SIDES - 6'-0" (EXCEPT POWER EXHAUST UNITS 10'-0")
   ECONOMIZER END - 6'-0"
4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 32.5 mm FLANGE.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED IN FOR SHIPPING.

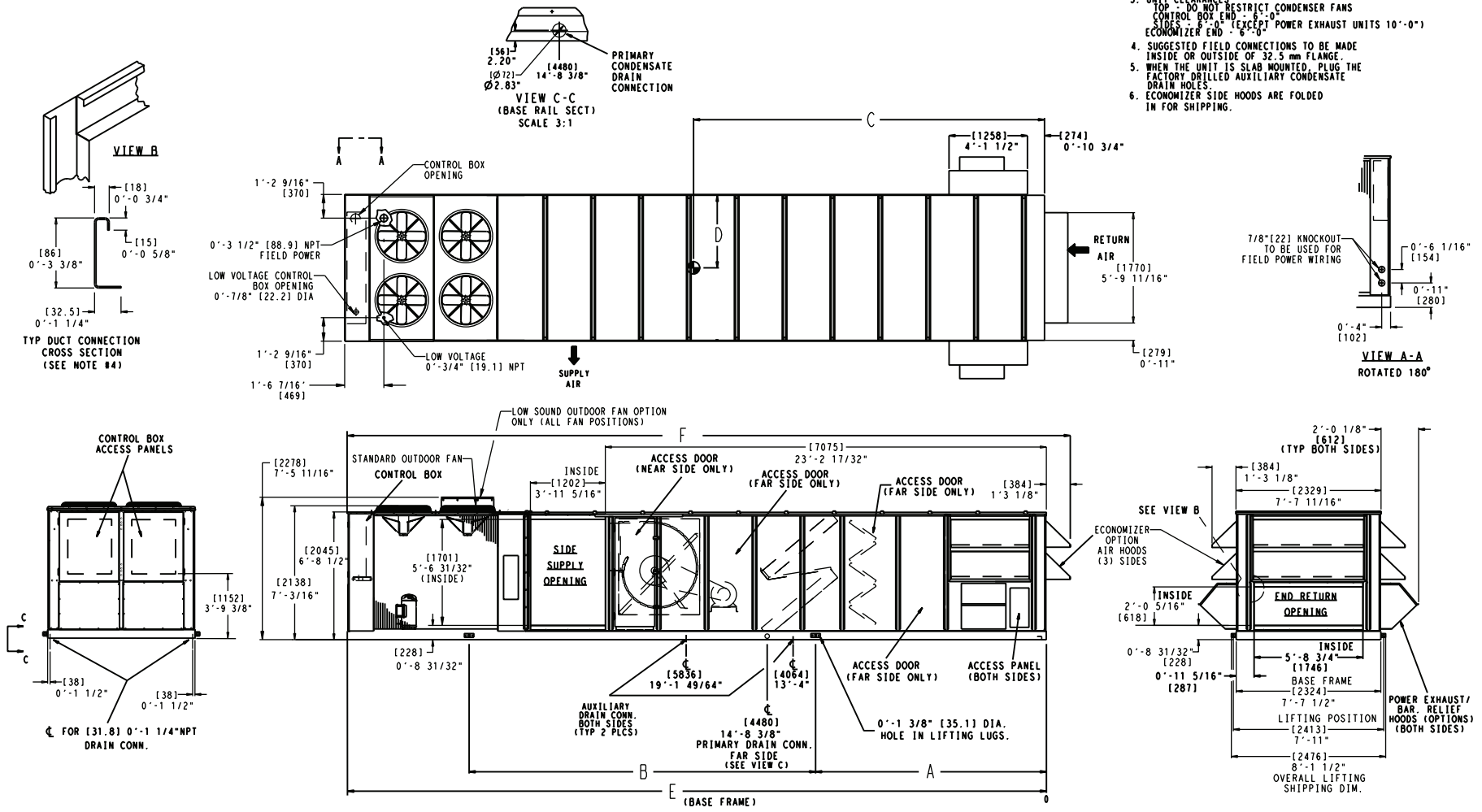


Fig. 17 — Base Unit Dimensional Drawing — 50P4,P5055,060 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT	
	LBS.	KGS.
070	8625	3912

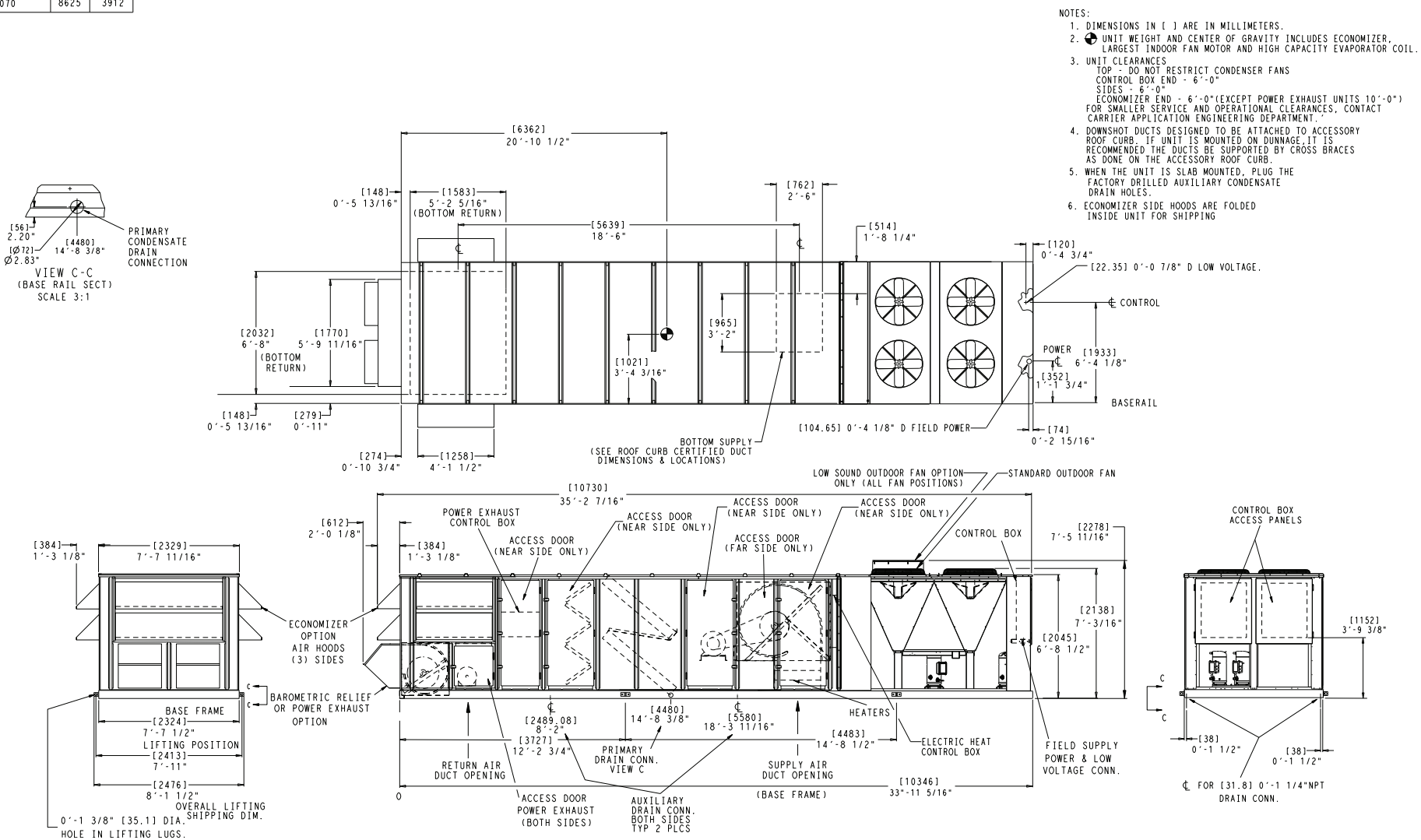


Fig. 18 — Base Unit Dimensional Drawing — 50P2,P3070 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT	
	LBS.	KGS.
070	9175	4162

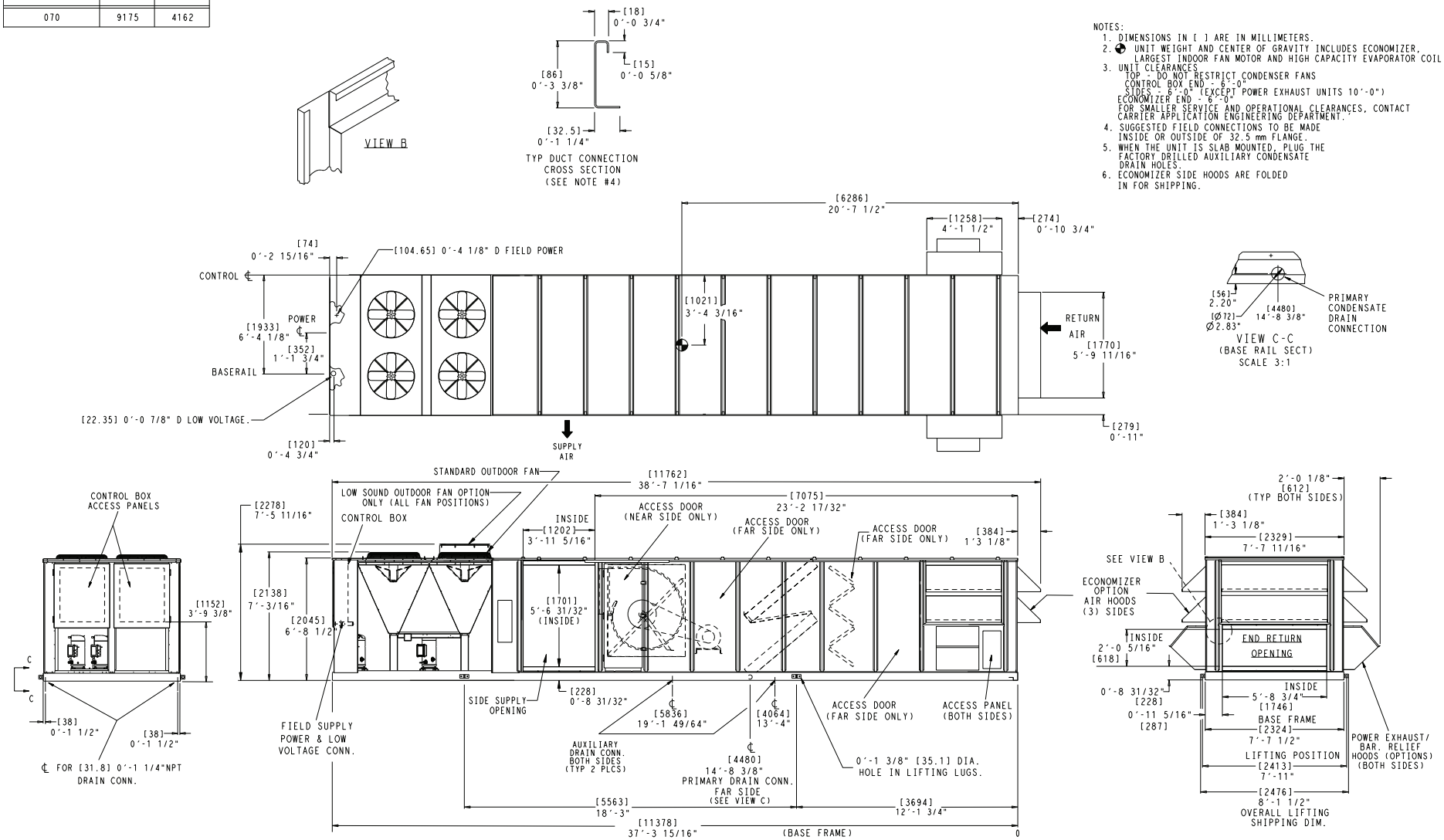


Fig. 19 — Base Unit Dimensional Drawing — 50P4,P5070 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT.IN.	B MM	B FT.IN.	C MM	C FT.IN.	D MM	D FT.IN.	E MM	E FT.IN.	F MM	F FT.IN.
075	13099	5942	3833	11′-7 1/2"	7927	21′-3 5/8"	7293	23′-11 1/8"	1021	3′-4 3/16"	13380	43′-10 1/4"	13970	45′-10"
090	13697	6213	3833	11′-7 1/2"	7927	21′-3 5/8"	7496	24′-7 1/8"	1054	3′-5 1/2"	14557	47′-9 1/8"	15147	49′-8 5/16"
100	13719	6223	3833	11′-7 1/2"	7927	21′-3 5/8"	7478	24′-6 3/8"	1054	3′-5 1/2"	14557	47′-9 1/8"	15147	49′-8 5/16"

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ◔ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR, HIGH CAPACITY EVAPORATOR COIL AND LARGEST POWER EXHAUST MOTOR.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6′-0"
   SIDES - 6′-0" (EXCEPT POWER EXHAUST UNITS 10′-0")
4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 32.5 mm FLANGE.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED IN FOR SHIPPING.

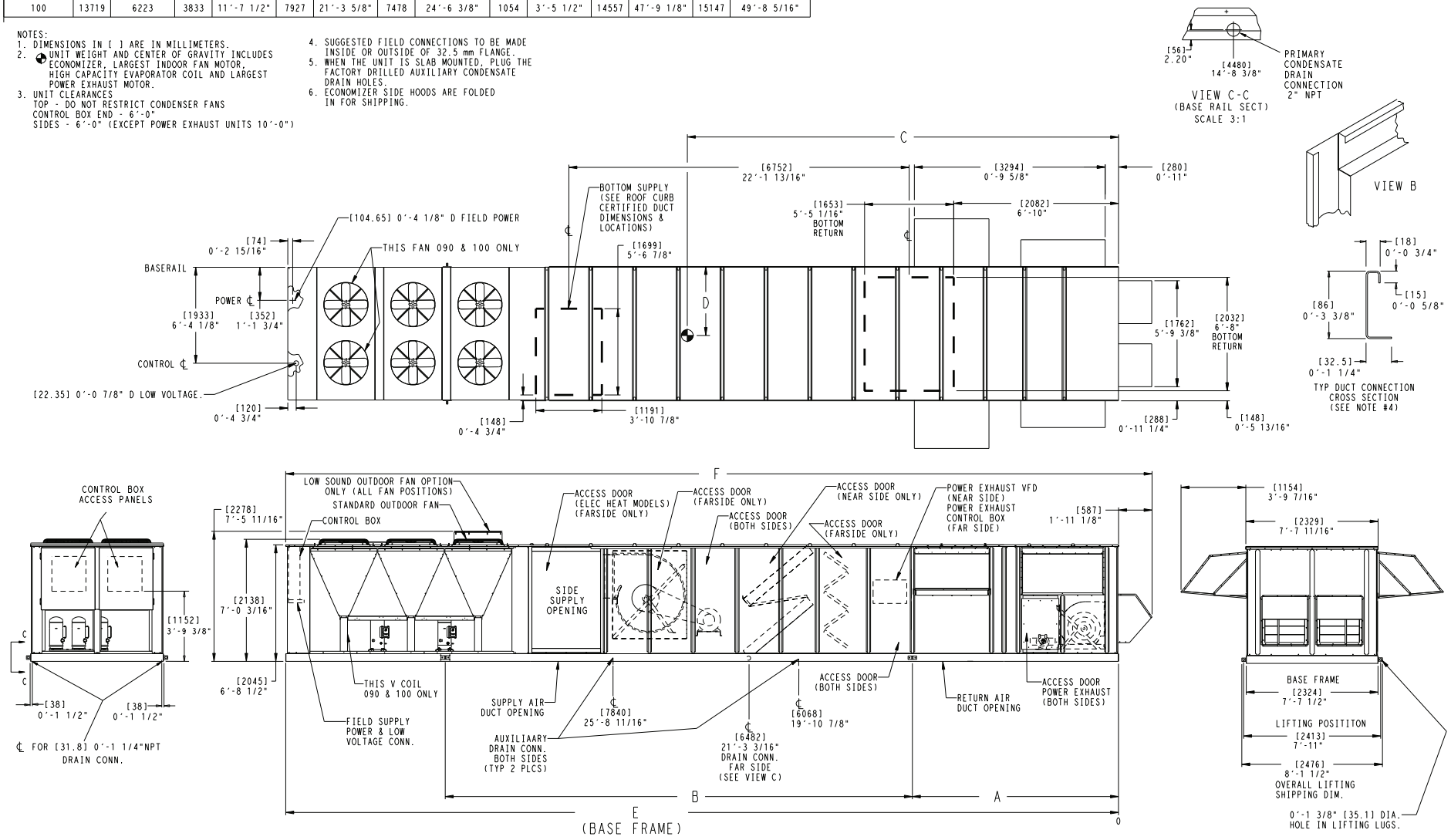


Fig. 20 — Base Unit Dimensional Drawing — 50P2,P3075-100 (Standard Chassis Unit with Optional High-Capacity Power Exhaust Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.	A MM	A FT.IN.	B MM	B FT.IN.	C MM	C FT.IN.	D MM	D FT.IN.	E MM	E FT.IN.	F MM	F FT.IN.
075	11921	5407	3543	11′-7 1/2"	6494	21′-3 5/8"	5590	18′-4 1/16"	1021	3′-4 3/16"	11378	37′-3 5/16"	11762	38′-7 1/16"
090	12521	5679	3543	11′-7 1/2"	6494	21′-3 5/8"	5800	19′-0 5/16"	1054	3′-5 1/2"	12555	41′-2 5/16"	12939	42′-5 7/16"
100	12541	5688	3543	11′-7 1/2"	6494	21′-3 5/8"	5786	18′-11 13/16"	1054	3′-5 1/2"	12555	41′-2 5/16"	12939	42′-5 7/16"

NOTES:
1. DIMENSIONS IN [ ] ARE IN MILLIMETERS.
2. ⊕ UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR, HIGH CAPACITY EVAPORATOR COIL AND LARGEST POWER EXHAUST MOTOR.
3. UNIT CLEARANCES
   TOP - DO NOT RESTRICT CONDENSER FANS
   CONTROL BOX END - 6′-0"
   SIDES - 6′-0"
   ECONOMIZER END - 6′-0" (EXCEPT POWER EXHAUST UNITS 10′-0")
   FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES, CONTACT CARRIER APPLICATION ENGINEERING DEPARTMENT.′
4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 32.5 mm FLANGE.
5. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
6. ECONOMIZER SIDE HOODS ARE FOLDED IN FOR SHIPPING.

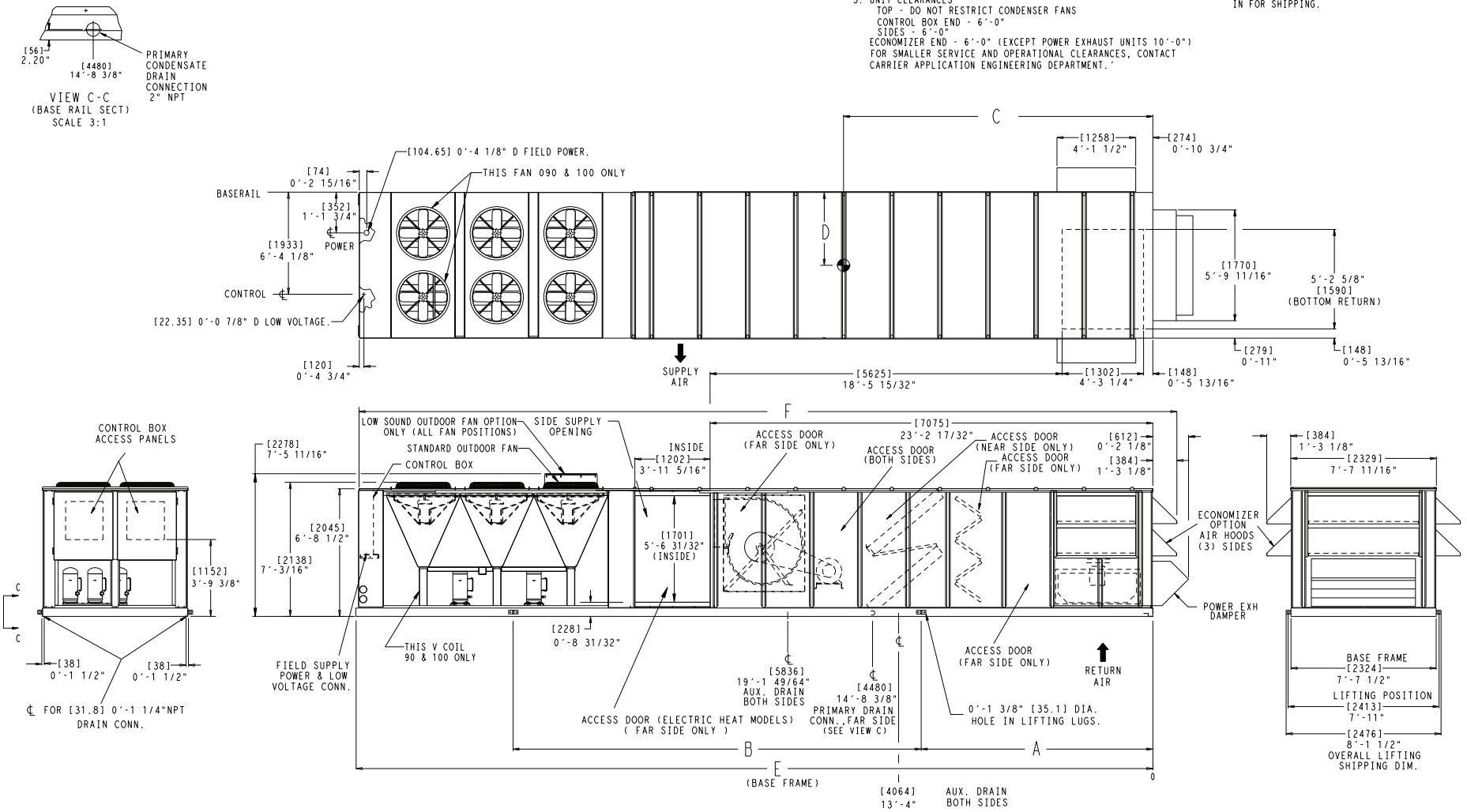
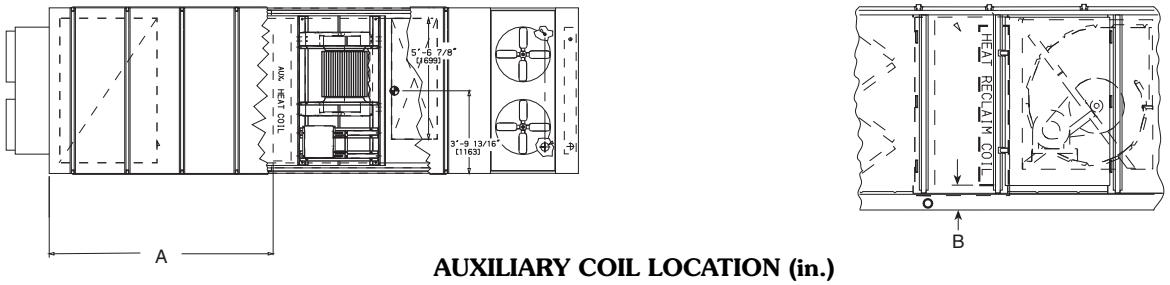


Fig. 21 — Base Unit Dimensional Drawing — 50P4,P5075-100 (Standard Chassis Unit with Optional Return Fan Shown)



AUXILIARY COIL LOCATION (in.)

UNIT SIZES	DISTANCE A	HEIGHT B
030,035	123.0	6.6
040,050	156.8	6.6
055-070	200.4	6.6
075-100	200.4	6.6
075-100 with High Capacity Power Exhaust	279.2	6.6

Fig. 22 — Units with Optional Extended Chassis — Location of Coil Tracks

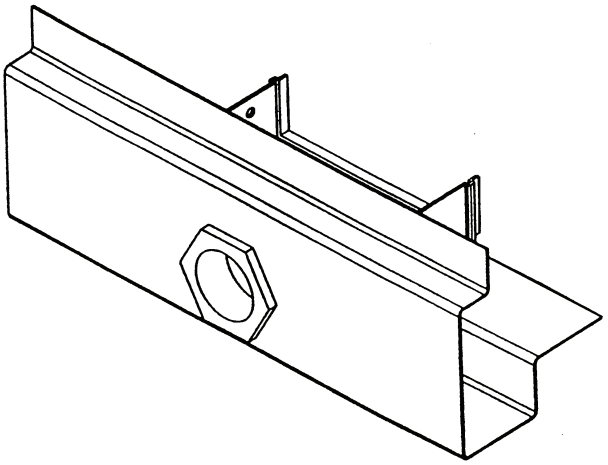


Fig. 23 — Primary Drain Connection

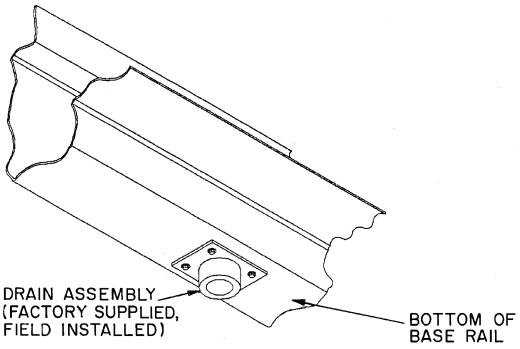
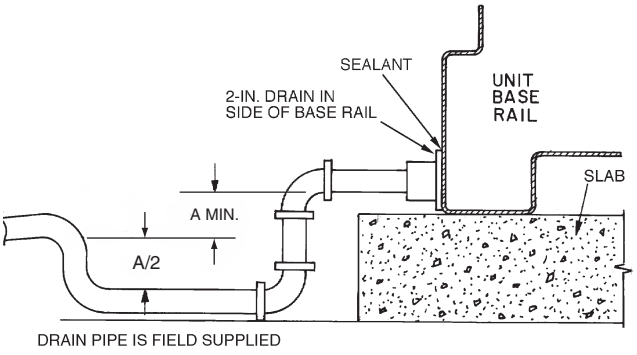
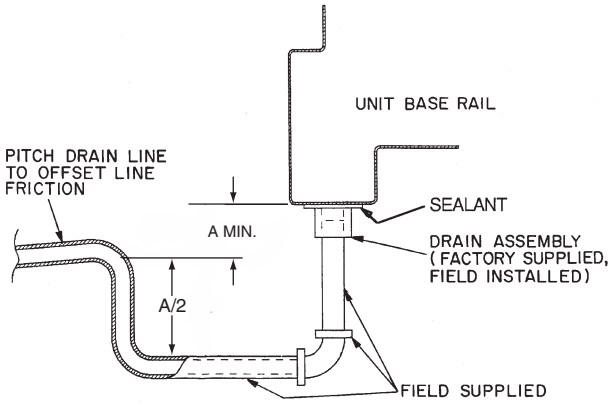


Fig. 25 — Secondary Condensate Drain Location (Curb Mount)



A = 4-in. (102 mm) min — Sizes 030-070
7-in. (178 mm) min — Sizes 075-100

Fig. 24 — Primary Condensate Drain Piping Details (Slab and Curb Mounted) and Slab-Mounted Secondary Condensate Drain Piping Details



A = 4-in. (102 mm) min — sizes 030-070
7-in. (178 mm) min — sizes 075-100

Fig. 26 — Curb-Mounted Secondary Condensate Drain Pipe Details

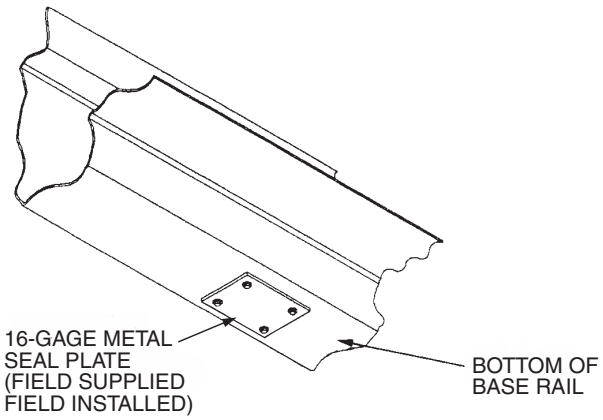


Fig. 27 — Secondary Drain Seal Plate Location (Slab Mount)

Step 9 — Install Outdoor Hoods

UNIT SIZES 030-050

25% Outdoor-Air Hoods (Units without Economizer Option) (Fig. 28)

1. Outdoor-air hoods are shipped bolted to the unit in a shipping position. Remove the 6 screws holding each 25% outdoor-air hood shipping cover in place.
2. Remove the holddown screw from each upper corner of each hood.
3. Pivot hoods outward (2 hoods).
4. Install 17 screws around outside of each hood. (Screws are in the fastener package taped to the basepan inside the fan section.)
5. Apply a bead of RTV or similar sealant to corner of each hood at pivot points to prevent water leaks. See Fig. 29.

Economizer Hoods (Units with Economizer Option, Fig. 30 and 31)

1. Outdoor-air hoods are shipped bolted to the unit in a shipping position.
2. Remove the holddown screw from the lower corner of each hood.
3. Pivot hoods out and upward (2 hoods).
4. Apply seal strip to upper horizontal flange of the hood top extensions. Apply seal strip to vertical flange of hood sides. (Hood top extensions, sides, screws, and seal strip are shipped inside the fan section of the unit.)
5. Install hood top extensions on bottom side of hood using 6 screws on each hood. Install hood sides using 10 screws on each side (7 along the top, 3 to fasten to unit side wall).
6. Apply a bead of RTV or similar sealant to corners of economizer hoods at pivot points to prevent water leaks. See Fig. 29.

UNIT SIZES 055-100

25% Outdoor-Air Hoods (Fig. 32) — The outdoor-air hoods are factory installed on the 055-100 units.

Economizer Hoods (Units with Economizer Option) (Fig. 33-35)

1. Outdoor-air hoods are shipped bolted to the unit in a shipping position.
2. Remove the holddown screw from the lower corner of each economizer hood.
3. Pivot hoods out and upward (4 hoods).
4. Apply seal strip to upper horizontal flange of the hood top extensions. Apply seal strip to vertical flange of hood sides. (Hood top extensions, sides, screws, and seal strip are shipped inside the fan section of the unit.)
5. Install hood top extensions on bottom side of hood top using 6 screws for each hood. Install hood sides using 10 screws for each side (7 along the top, 3 to fasten to unit side wall).
6. Apply a bead of RTV or similar sealant to corners of economizer hoods at pivot points to prevent water leaks. See Fig. 29.

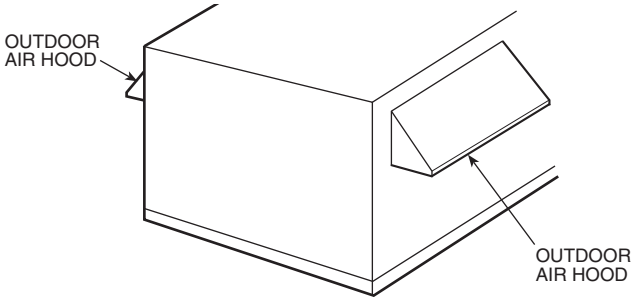


Fig. 28 — Outdoor-Air Hood Installation (Sizes 030-050)

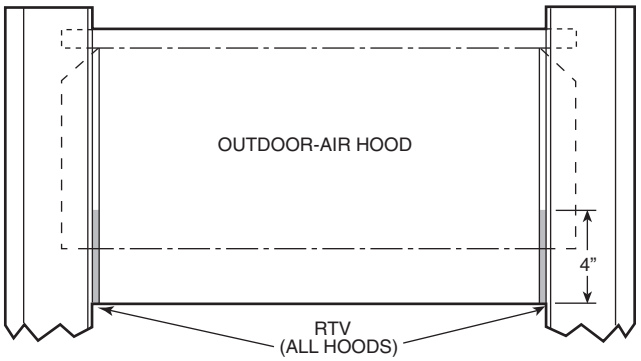


Fig. 29 — Outdoor-Air and Economizer Hood

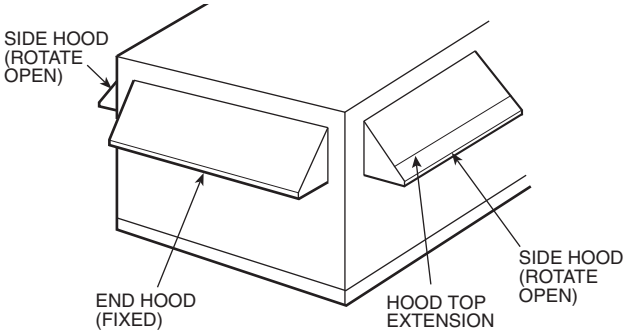


Fig. 30 — Economizer Outdoor-Air Hood Installation (Sizes 030-050)

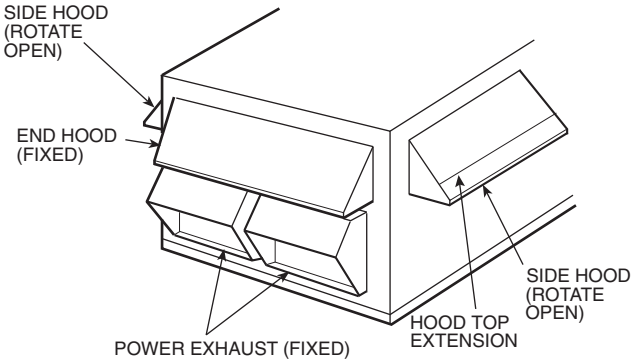


Fig. 31 — Economizer with Power Exhaust Outdoor-Air Hood Installation (Sizes 030-050)

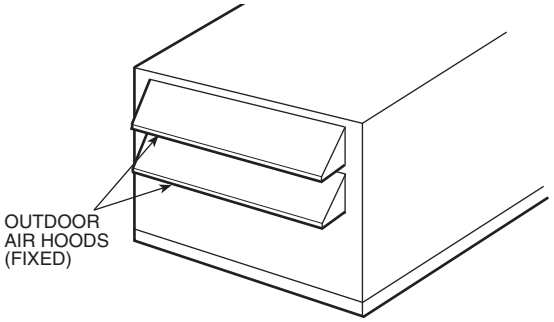


Fig. 32 — 25% Outdoor-Air Hood Location (Sizes 055-105)

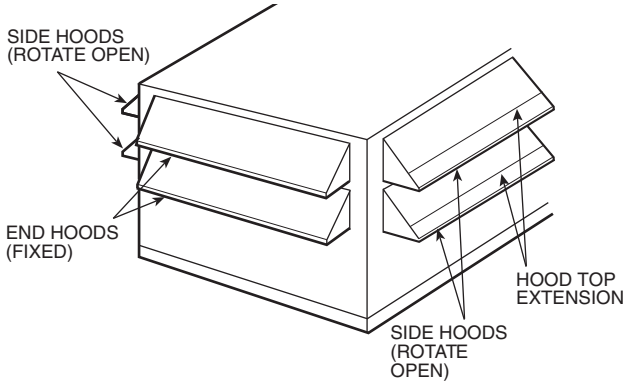


Fig. 33 — Economizer Outdoor-Air Hood Installation (Sizes 055-100)

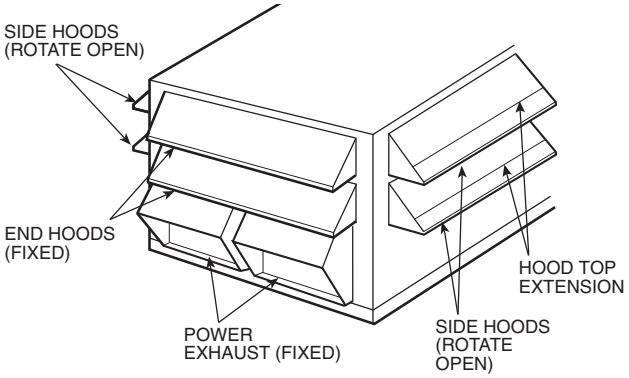


Fig. 34 — Economizer with Power Exhaust Outdoor-Air Hood Installation (Sizes 055-100)

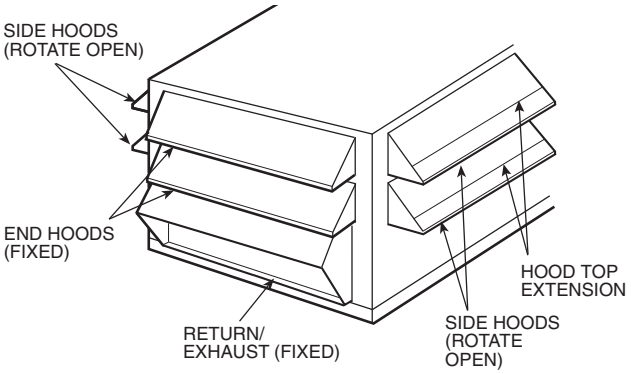


Fig. 35 — Economizer with Return/Exhaust Fan Outdoor-Air Hood Installation (Units with Optional Return Fan)

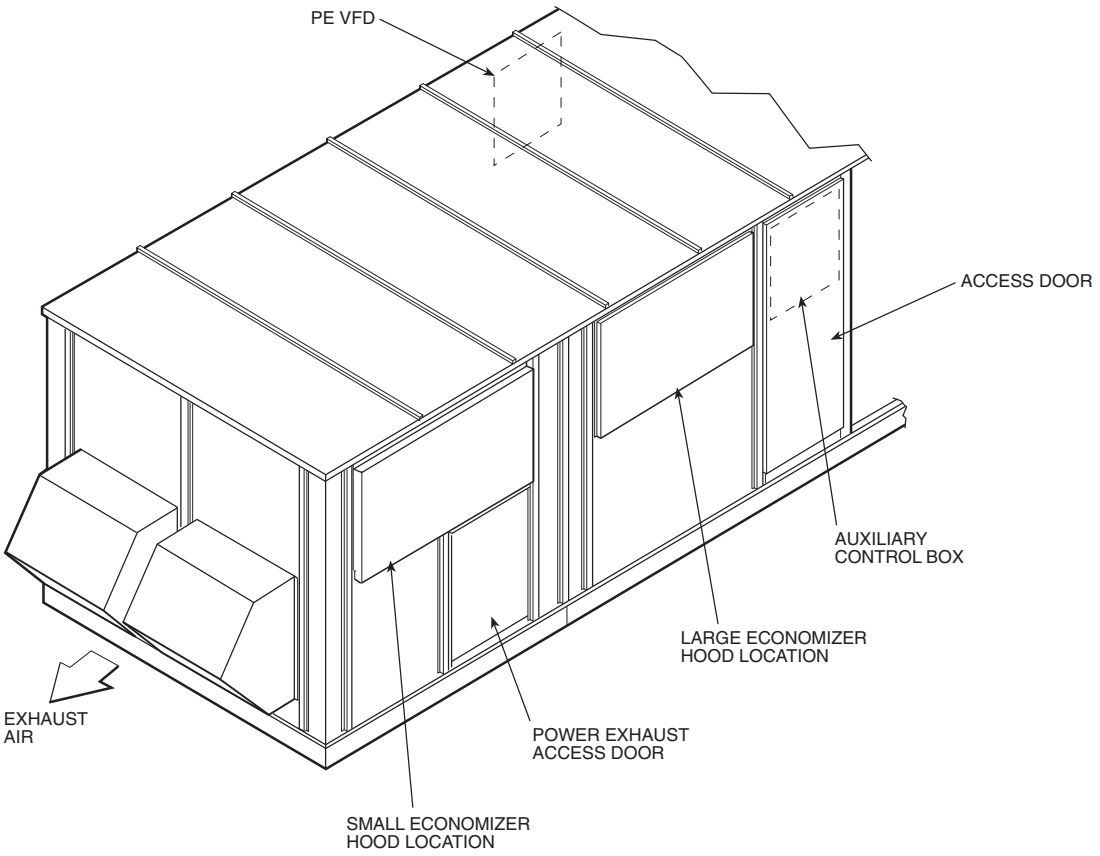
Step 10 — Install Economizer Hoods (Units with Optional High-Capacity Power Exhaust) — The economizer uses a total of 4 outdoor intake hoods, 2 on each side of the unit. See Fig. 36. Two small hoods (one per side) are factory-installed and are pivoted inside the unit chassis for shipment. Two large hoods are shipped in packages located inside the unit. The large hoods (1 on each side) require field assembly and mounting.

INSTALL SMALL HOODS — To install the small economizer hoods, perform the following procedure:

1. Remove the 10 screws holding each of the small economizer hood shipping covers in place.
2. Pivot hoods outward (2 hoods).
3. Apply seal strip to vertical flange of hood sides.
4. Install 15 screws (4 each side, 7 across top) around the outside of each hood. Screws are in the fastener package taped to the basepan inside the fan section.
5. Apply a bead of RTV or similar sealant to corner of economizer hood at pivot point to prevent water leaks. (See Fig. 29.)

INSTALL LARGE HOODS — Large hoods are shipped disassembled in the economizer section of the unit behind the large economizer hood shipping cover. See Fig. 37 for assembly details for large economizer hoods. To install the large economizer hoods, perform the following procedure:

1. Remove the 17 screws holding each of the large economizer hood shipping covers in place.
2. Remove the packages containing the disassembled large economizer hoods (total of 2 packages). Each package contains the following (see Fig. 37 for Item numbers): left hood side (Item 1), right hood side (Item 2), hood top (Item 3), hood front (Item 4), top filter flange (Item 5), 4 side filter flanges (Item 6), bottom support (Item 7), front support (Item 8), 6 filters (Item 9), 9 filter clips (Item 10), seal strip, and fasteners.
3. Place seal strip on backside of bottom support (Item 7) along entire length of support, covering 6 clearance holes.
4. Attach bottom support piece (Item 7) to unit. Be sure seal strip is between bottom support and panel on unit.
5. Place seal strip on $^3/_4$-in. flange on both the left and right hood sides (Items 1 and 2).
6. Attach the side filter flanges (Item 6) to the left and right hood sides (Items 1 and 2), 2 on each hood side.
7. Attach left and right hood sides (Items 1 and 2) to unit. Be sure seal strip is between hood side and unit.
8. Place seal strip on $^3/_4$-in. flange on hood top (Item 3).
9. Attach top filter flange (Item 5) to hood top (Item 3).
10. Attach top hood to unit and to hood sides. Be sure seal strip is between hood top and unit.
11. Attach front support (Item 8) between left and right hood sides.
12. Place seal strip on all filter flanges.
13. Attach filter clips (Item 10) to front and bottom supports (Items 7 and 8).
14. Install filters (Item 9). Filters are held in place with filter clips.
15. Attach hood front (Item 4) to hood top and sides.
16. Apply RTV or similar sealant to 6 places shown in Fig. 37.



LEGEND

PE VFD — Power Exhaust Variable Frequency Drive

Fig. 36 — Economizer Hood Location — Units with High-Capacity Power Exhaust

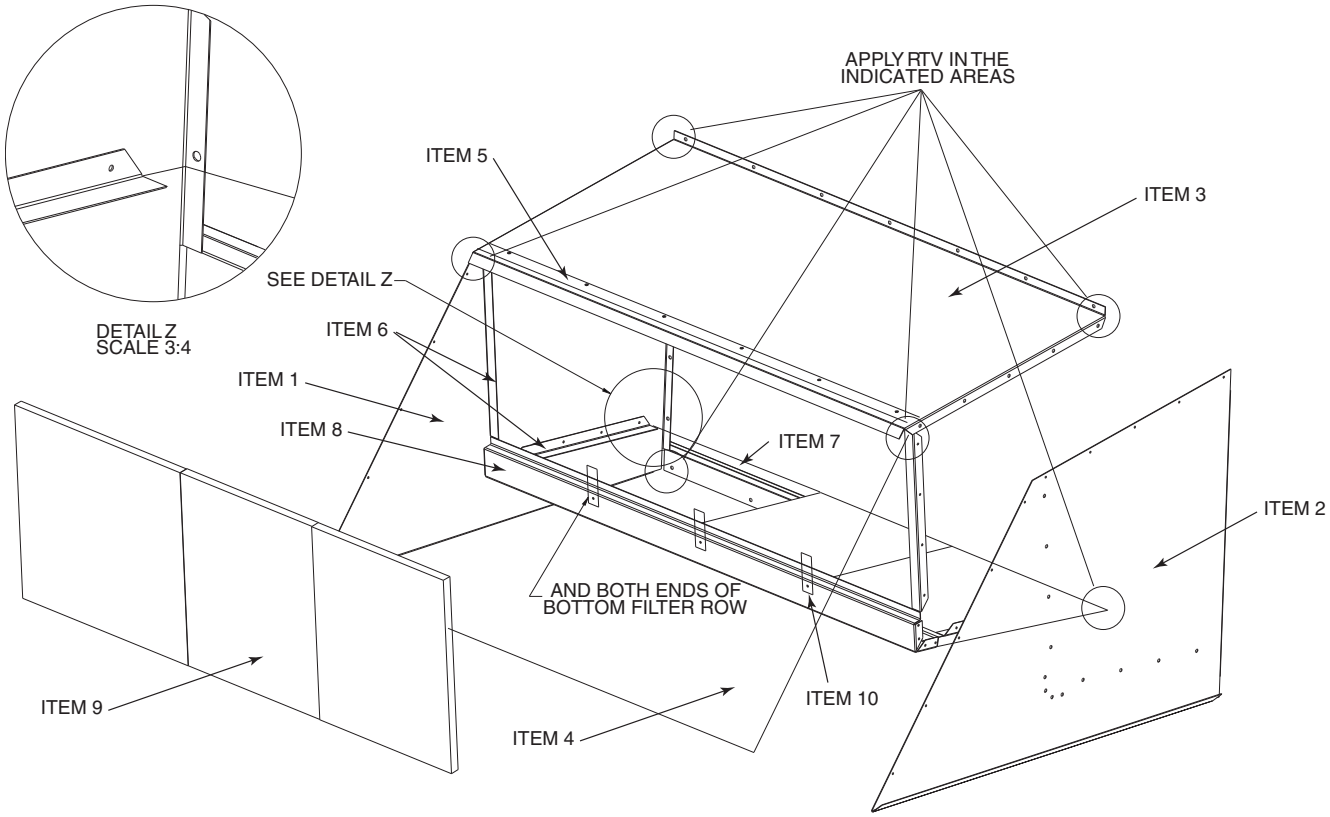


Fig. 37 — Large Economizer Hood Assembly

Step 11 — Route Field Wiring

UNIT SIZES 030-060 — Field wiring can be brought into the unit through the basepan and roof curb or through the corner post in the side of the unit next to the control box.

A $3^1/_2$-in. FPT coupling for field power and a $^3/_4$-in. FPT coupling for 24 v control wiring are provided in the basepan. There are two $^7/_8$-in. pilot holes in the corner post as shown on the certified drawings. Use these holes as pilot holes for making the hole for field-supplied conduit in the corner post for field power wiring.

⚠ CAUTION

Use care when drilling near condenser coil. Damage to unit could result.

If field power wiring is brought through the roof curb, route wiring out through one of the holes to the field-supplied disconnect and then back into the unit through the other hole. See Fig. 38 and 39 for recommended disconnect location.

If power wiring is brought through the side of the unit, route wiring from field-supplied disconnect through top hole into unit.

If control wiring is to be brought in through the side of the unit, a $^7/_8$-in. diameter hole must be drilled in the corner post next to the control box.

UNIT SIZES 070-100 — Field wiring is brought into the unit through the bottom of the control box. Wiring can be brought through the roof curb through field-supplied watertight connections. See Fig. 40.

A $4^5/_{32}$-in. hole for field power wiring and a $^7/_8$-in. hole for 24 v control wiring are provided in the bottom of the control box. Field-supplied couplings must be used when routing wiring into the control box.

See Fig. 40 for recommended disconnect location.

Step 12 — Make Field Electrical Connections

IMPORTANT: The 50P3,P5 (variable air volume) units generate, use, and can radiate radio frequency energy. If units are not installed and used in accordance with these instructions, they may cause radio interference. They have been tested and found to comply with limits of a Class A computing device as defined by FCC (Federal Communications Commission) regulations, Subpart J of Part 15, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

POWER WIRING — Units are factory wired for the voltage shown on the unit nameplate. The main terminal block is suitable for use with aluminum or copper wires. Maximum wire size is 3/0 AWG (American Wire Gage).

Units without Factory-Installed Disconnect — When installing units, provide a disconnect per NEC (National Electrical Code) of adequate size (MOCP [maximum overcurrent protection] of unit is on the informative plate). All field wiring must comply with NEC and all local codes. Size wire based on MCA (minimum circuit amps) on the unit informative plate. See Fig. 41 for power wiring connections to the unit power terminal block and equipment ground. Maximum wire size is two 500 MCM conductors per pole.

Units with Factory-Installed Disconnect — The factory-installed disconnect is an interlocking, door-type. The disconnect handle locks the door when it is in the ON position. The disconnect handle must be in the OFF position to open the control box door. The disconnect is located in the unit control box behind the control box door. See Fig. 42.

All field wiring must comply with NEC and all local codes. Wire must be sized based on MCA (minimum circuit amps) on the unit informative plate. See Fig. 43 for power wiring connections to the unit disconnect and equipment ground.

DISCONNECT SIZE	MAXIMUM WIRE SIZE (MCM)
250 Amps	300
400 Amps	600
600 Amps	600*

*Two conductors per pole.

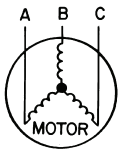
Operating Voltage — Operating voltage to the compressor must be within the voltage range indicated on the unit nameplate. Voltages between phases must be balanced within 2%, and the current must be balanced within 10%. See Tables 11-26 for unit electrical data.

Use the following formula to determine the percent voltage imbalance.

$$\% \text{ Voltage Imbalance} = 100 \times \frac{\text{max voltage deviation from average voltage}}{\text{average voltage}}$$

Example: Supply voltage is 460-3-60.

AB = 452 v
BC = 464 v
AC = 455 v



$$\text{Average Voltage} = \frac{452 + 464 + 455}{3}$$

$$= \frac{1371}{3}$$

$$= 457$$

Determine maximum deviation from average voltage:

(AB) 457 – 452 = 5 v
(BC) 464 – 457 = 7 v
(AC) 457 – 455 = 2 v

Maximum deviation is 7 v.

Determine percent voltage imbalance:

$$\% \text{ Voltage Imbalance} = 100 \times \frac{7}{457}$$

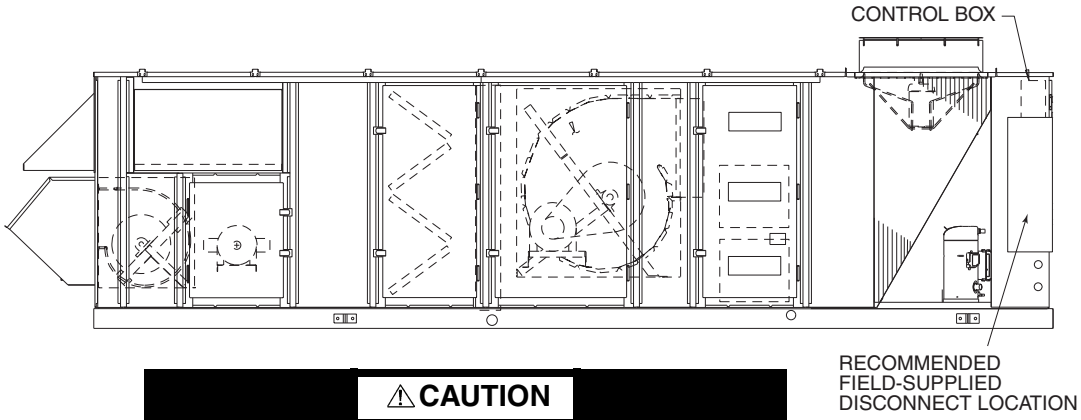
$$= 1.53\%$$

This amount of phase imbalance is satisfactory as it is below the maximum allowable 2%.

IMPORTANT: If the supply voltage phase imbalance is more than 2%, contact local utility immediately.

Unit failure as a result of operation on improper line voltage or excessive phase imbalance constitutes abuse and may cause damage to electrical components.

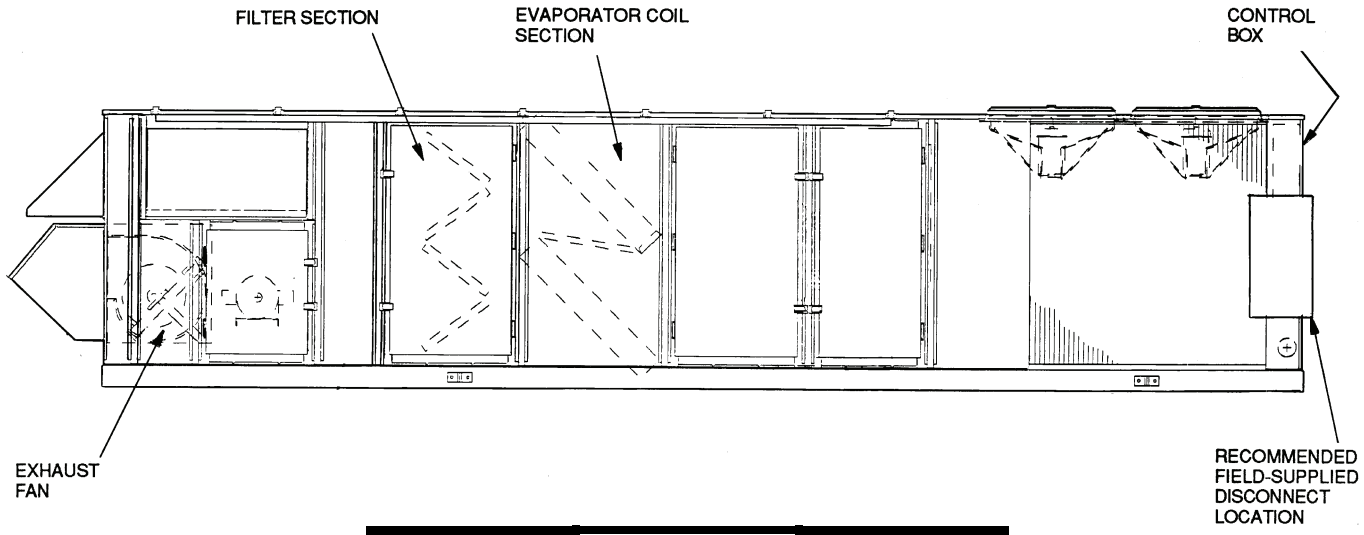
(Text continued on page 111.)



⚠ CAUTION

Use care when drilling into corner post to avoid damage to condenser coil.

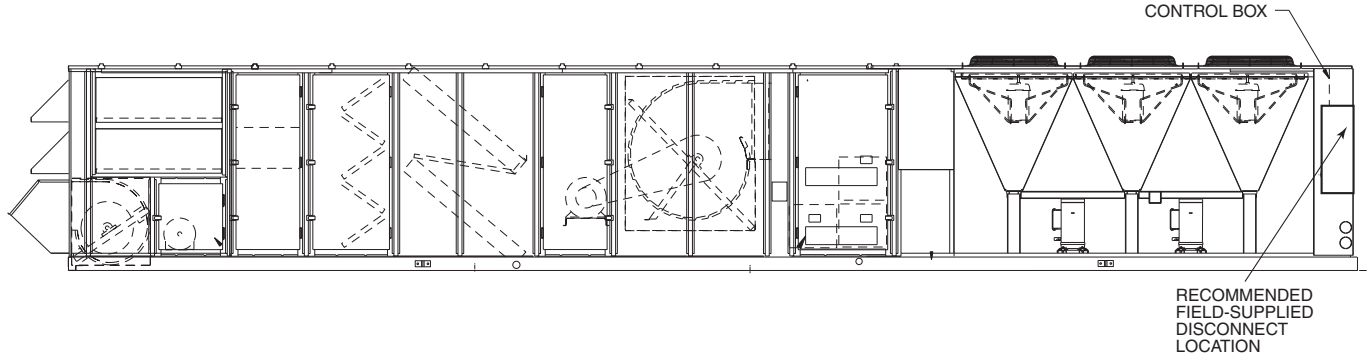
Fig. 38 — Disconnect Location — Size 030 and 035 Units



⚠ CAUTION

Use care when drilling into corner post to avoid damage to condenser coil.

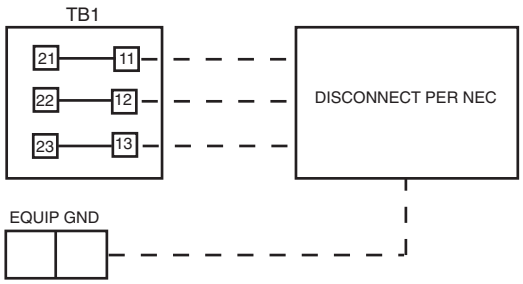
Fig. 39 — Disconnect Location — Size 040-060 Units



⚠ CAUTION

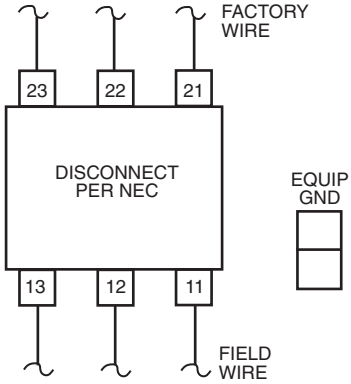
Use care when drilling into corner post to avoid damage to condenser coil.

Fig. 40 — Disconnect Location — Size 070-100 Units



LEGEND
EQUIP — Equipment
GND — Ground
NEC — National Electrical Code
TB — Terminal Block

Fig. 41 — Field Power Wiring Connections



LEGEND
EQUIP — Equipment
GND — Ground
NEC — National Electrical Code

Fig. 43 — Field Power Wiring Connections for Factory-Installed Disconnect

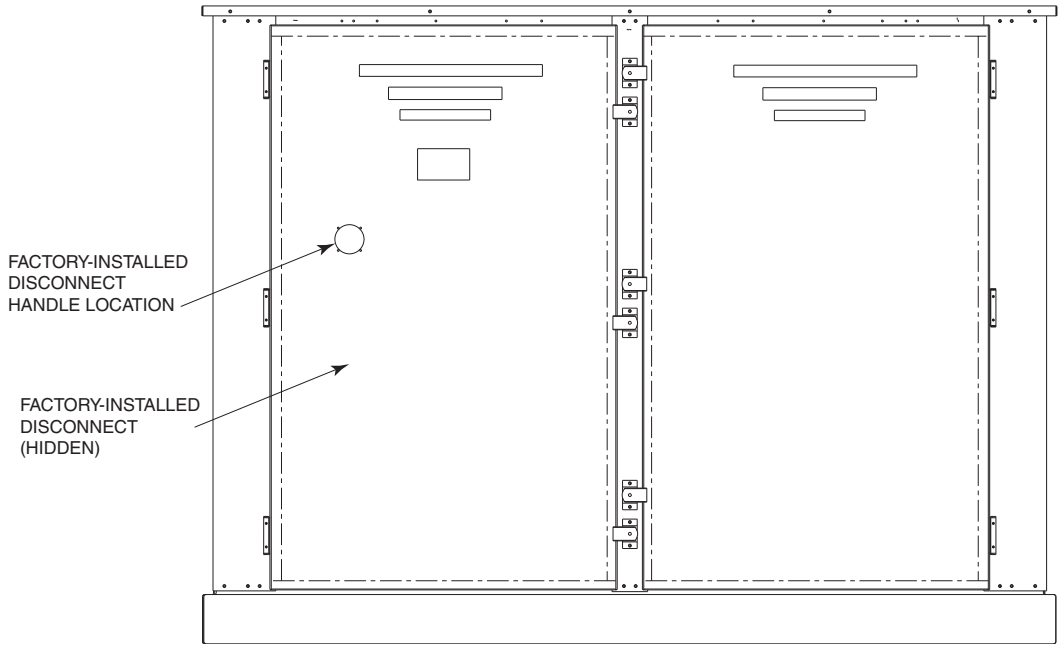


Fig. 42 — Factory-Installed Disconnect Location (End of Unit Shown)

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	51.3	300	1	51.3	300	2	6.6 (ea)	10	30.8 / 28.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	152.8/ 150.6 152.8/ 150.6 188.0/ 209.5 266.9/ 300.5	200/ 200 200/ 200 225/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	174.0/ 169.8 174.0/ 169.8 214.5/ 233.5 293.4/ 324.5	225/ 200 225/ 200 250/ 250 300/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	186.2/ 181.0 186.2/ 181.0 229.7/ 247.5 308.6/ 338.5	225/ 225 225/ 225 250/ 250 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	201.2/ 194.6 201.2/ 195.0 248.5/ 264.5 327.4/ 355.5	250/ 225 250/ 225 250/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	214.4/ 206.6 214.4/ 210.0 265.0/ 279.5 343.9/ 370.5	250/ 250 250/ 250 300/ 300 350/ 400
										7 1/2	24.2 / 22.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	159.4/ 156.6 159.4/ 156.6 196.2/ 217.0 275.1/ 308.0	200/ 200 200/ 200 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	180.6/ 175.8 180.6/ 175.8 222.7/ 241.0 301.6/ 332.0	225/ 225 225/ 225 250/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	192.8/ 187.0 192.8/ 187.0 238.0/ 255.0 316.9/ 346.0	225/ 225 225/ 225 250/ 300 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	207.8/ 200.6 207.8/ 202.5 256.7/ 272.0 335.6/ 363.0	250/ 250 250/ 250 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	221.0/ 212.6 221.0/ 217.5 273.2/ 287.0 352.1/ 378.0	250/ 250 250/ 250 300/ 300 400/ 400
										15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	174.8/ 170.6 174.8/ 170.6 215.5/ 234.5 294.4/ 325.5	225/ 200 225/ 200 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	196.0/ 189.8 196.0/ 189.8 242.0/ 258.5 320.9/ 349.5	225/ 225 225/ 225 250/ 300 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	208.2/ 201.0 208.2/ 203.0 257.2/ 272.5 336.1/ 363.5	250/ 250 250/ 250 300/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	223.2/ 214.6 223.2/ 220.0 276.0/ 289.5 354.9/ 380.5	250/ 250 250/ 250 300/ 300 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	236.4/ 226.6 236.4/ 235.0 292.5/ 304.5 371.4/ 395.5	250/ 250 250/ 250 300/ 350 400/ 400

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	51.3	300	1	51.3	300	2	6.6 (ea)	20	59.4 / 54.0	—	—	— / —	—	—	190.1/ 183.3	225/ 225
															78.9/ 90.0	36/ 36	190.1/ 183.3	225/ 225
															157.7/ 182.0	72/ 72	232.0/ 249.5	250/ 300
															236.6/ 273.0	108/ 108	310.9/ 340.5	350/ 350
												2	3	10.6 / 9.6	—	—	211.3/ 202.5	250/ 250
															78.9/ 90.0	36/ 36	211.3/ 204.0	250/ 250
															157.7/ 182.0	72/ 72	258.5/ 273.5	300/ 300
															236.6/ 273.0	108/ 108	337.4/ 364.5	350/ 400
													5	16.7 / 15.2	—	—	223.5/ 213.7	250/ 250
															78.9/ 90.0	36/ 36	223.5/ 218.0	250/ 250
															157.7/ 182.0	72/ 72	273.7/ 287.5	300/ 300
															236.6/ 273.0	108/ 108	352.6/ 378.5	400/ 400
													7.5	24.2 / 22.0	—	—	238.5/ 227.3	250/ 250
															78.9/ 90.0	36/ 36	238.5/ 235.0	250/ 250
															157.7/ 182.0	72/ 72	292.5/ 304.5	300/ 350
															236.6/ 273.0	108/ 108	371.4/ 395.5	400/ 400
													10	30.8 / 28.0	—	—	251.7/ 239.3	300/ 250
															78.9/ 90.0	36/ 36	251.7/ 250.0	300/ 250
															157.7/ 182.0	72/ 72	309.0/ 319.5	350/ 350
															236.6/ 273.0	108/ 108	387.9/ 410.5	400/ 450
										25	74.8 / 68.0	—	—	— / —	—	—	209.3/ 200.8	250/ 250
															78.9/ 90.0	36/ 36	209.3/ 200.8	250/ 250
															157.7/ 182.0	72/ 72	251.2/ 267.0	300/ 300
															236.6/ 273.0	108/ 108	330.1/ 358.0	400/ 400
												2	3	10.6 / 9.6	—	—	230.5/ 220.0	300/ 250
															78.9/ 90.0	36/ 36	230.5/ 221.5	300/ 250
															157.7/ 182.0	72/ 72	277.7/ 291.0	300/ 350
															236.6/ 273.0	108/ 108	356.6/ 382.0	400/ 400
													5	16.7 / 15.2	—	—	242.7/ 231.2	300/ 250
															78.9/ 90.0	36/ 36	242.7/ 235.5	300/ 250
															157.7/ 182.0	72/ 72	293.0/ 305.0	350/ 350
															236.6/ 273.0	108/ 108	371.9/ 396.0	400/ 450
													7.5	24.2 / 22.0	—	—	257.7/ 244.8	300/ 300
															78.9/ 90.0	36/ 36	257.7/ 252.5	300/ 300
															157.7/ 182.0	72/ 72	311.7/ 322.0	350/ 350
															236.6/ 273.0	108/ 108	390.6/ 413.0	450/ 450
													10	30.8 / 28.0	—	—	270.9/ 256.8	300/ 300
															78.9/ 90.0	36/ 36	270.9/ 267.5	300/ 300
															157.7/ 182.0	72/ 72	328.2/ 337.0	350/ 350
															236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450
										30	88.0 / 80.0	—	—	— / —	—	—	225.8/ 215.8	300/ 250
															78.9/ 90.0	36/ 36	225.8/ 215.8	300/ 250
															157.7/ 182.0	72/ 72	267.7/ 282.0	350/ 350
															236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450
												2	3	10.6 / 9.6	—	—	247.0/ 235.0	300/ 300
															78.9/ 90.0	36/ 36	247.0/ 236.5	300/ 300
															157.7/ 182.0	72/ 72	294.2/ 306.0	350/ 350
															236.6/ 273.0	108/ 108	373.1/ 397.0	450/ 450
													5	16.7 / 15.2	—	—	259.2/ 246.2	300/ 300
															78.9/ 90.0	36/ 36	259.2/ 250.5	300/ 300
															157.7/ 182.0	72/ 72	309.5/ 320.0	350/ 350
															236.6/ 273.0	108/ 108	388.4/ 411.0	450/ 450
													7.5	24.2 / 22.0	—	—	274.2/ 259.8	350/ 300
															78.9/ 90.0	36/ 36	274.2/ 267.5	350/ 300
															157.7/ 182.0	72/ 72	328.2/ 337.0	400/ 400
															236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450
													10	30.8 / 28.0	—	—	287.4/ 271.8	350/ 350
															78.9/ 90.0	36/ 36	287.4/ 282.5	350/ 350
															157.7/ 182.0	72/ 72	344.7/ 352.0	400/ 400
															236.6/ 273.0	108/ 108	423.6/ 443.0	450/ 500

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	26.9	139	1	26.9	139	2	3.9 (ea)	7 1/2	12.5	—	—	—	—	—	80.8	100
															38.3	36	80.8	100
															76.8	72	92.4	110
															114.7	108	130.3	150
												2	3	4.0	—	—	88.8	110
															38.3	36	88.8	110
															76.8	72	102.4	125
															114.7	108	140.3	150
													5	9.1	—	—	99.0	125
															38.3	36	99.0	125
															76.8	72	115.2	125
															114.7	108	153.1	175
													7.5	12.5	—	—	105.8	125
															38.3	36	105.8	125
															76.8	72	123.7	125
															114.7	108	161.6	175
													10	16.7	—	—	114.2	125
															38.3	36	114.2	125
															76.8	72	134.2	150
															114.7	108	172.1	175
										10	16.7	—	—	—	—	—	85.0	110
															38.3	36	85.0	110
															76.8	72	97.7	125
															114.7	108	135.6	150
												2	3	4.0	—	—	93.0	110
															38.3	36	93.0	110
															76.8	72	107.7	125
															114.7	108	145.6	150
													5	9.1	—	—	103.2	125
															38.3	36	103.2	125
															76.8	72	120.4	125
															114.7	108	158.3	175
													7.5	12.5	—	—	110.0	125
															38.3	36	110.0	125
															76.8	72	128.9	150
															114.7	108	166.8	175
													10	16.7	—	—	118.4	125
															38.3	36	118.4	125
															76.8	72	139.4	150
															114.7	108	177.3	200
										15	24.5	—	—	—	—	—	92.8	110
															38.3	36	92.8	110
															76.8	72	107.4	125
															114.7	108	145.3	150
												2	3	4.0	—	—	100.8	125
															38.3	36	100.8	125
															76.8	72	117.4	125
															114.7	108	155.3	175
													5	9.1	—	—	111.0	125
															38.3	36	111.0	125
															76.8	72	130.2	150
															114.7	108	168.1	175
													7.5	12.5	—	—	117.8	125
															38.3	36	117.8	125
															76.8	72	138.7	150
															114.7	108	176.6	200
													10	16.7	—	—	126.2	150
															38.3	36	126.2	150
															76.8	72	149.2	150
															114.7	108	187.1	200

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	26.9	139	1	26.9	139	2	3.9 (ea)	20	30	—	—	—	—	—	99.1	125
															38.3	36	99.1	125
															76.8	72	114.3	125
															114.7	108	152.2	175
												2	3	4.0	—	—	107.1	125
															38.3	36	107.1	125
															76.8	72	124.3	150
															114.7	108	162.2	175
													5	9.1	—	—	117.3	125
															38.3	36	117.3	125
															76.8	72	137.1	150
															114.7	108	175.0	200
													7.5	12.5	—	—	124.1	150
															38.3	36	124.1	150
															76.8	72	145.6	150
															114.7	108	183.5	200
													10	16.7	—	—	132.5	150
															38.3	36	132.5	150
															76.8	72	156.1	175
															114.7	108	194.0	200
										25	38.0	—	—	—	—	—	109.1	125
															38.3	36	109.1	125
															76.8	72	124.3	150
															114.7	108	162.2	200
												2	3	4.0	—	—	117.1	150
															38.3	36	117.1	150
															76.8	72	134.3	150
															114.7	108	172.2	200
													5	9.1	—	—	127.3	150
															38.3	36	127.3	150
															76.8	72	147.1	175
															114.7	108	185.0	200
													7.5	12.5	—	—	134.1	150
															38.3	36	134.1	150
															76.8	72	155.6	175
															114.7	108	193.5	225
													10	16.7	—	—	142.5	175
															38.3	36	142.5	175
															76.8	72	166.1	175
															114.7	108	204.0	225
										30	43.5	—	—	—	—	—	116.0	150
															38.3	36	116.0	150
															76.8	72	131.2	150
															114.7	108	169.1	200
												2	3	4.0	—	—	124.0	150
															38.3	36	124.0	150
															76.8	72	141.2	175
															114.7	108	179.1	200
													5	9.1	—	—	134.2	175
															38.3	36	134.2	175
															76.8	72	153.9	175
															114.7	108	191.8	225
													7.5	12.5	—	—	141.0	175
															38.3	36	141.0	175
															76.8	72	162.4	175
															114.7	108	200.3	225
													10	16.7	—	—	149.4	175
															38.3	36	149.4	175
															76.8	72	172.9	200
															114.7	108	210.8	225

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	23.1	150	1	23.1	150	2	3.3 (ea)	7 1/2	11.0	—	—	—	—	—	69.6	90
															46.3	36	71.6	90
															93.0	72	106.8	125
															139.0	108	152.8	175
												2	3	4.8	—	—	79.2	100
															46.3	36	83.6	100
															93.0	72	118.8	125
															139.0	108	164.8	175
													5	7.6	—	—	84.8	100
															46.3	36	90.6	100
															93.0	72	125.8	150
															139.0	108	171.8	175
													7.5	11.0	—	—	91.6	110
															46.3	36	99.1	110
															93.0	72	134.3	150
															139.0	108	180.3	200
													10	14.0	—	—	97.6	110
															46.3	36	106.6	110
															93.0	72	141.8	150
															139.0	108	187.8	200
										10	14.0	—	—	—	—	—	72.6	90
															46.3	36	75.4	90
															93.0	72	110.5	125
															139.0	108	156.5	175
												2	3	4.8	—	—	82.2	100
															46.3	36	87.4	100
															93.0	72	122.5	125
															139.0	108	168.5	175
													5	7.6	—	—	87.8	110
															46.3	36	94.4	110
															93.0	72	129.5	150
															139.0	108	175.5	200
													7.5	11.0	—	—	94.6	110
															46.3	36	102.9	110
															93.0	72	138.0	150
															139.0	108	184.0	200
													10	14.0	—	—	100.6	110
															46.3	36	110.4	125
															93.0	72	145.5	150
															139.0	108	191.5	200
										15	21.0	—	—	—	—	—	79.6	100
															46.3	36	84.1	100
															93.0	72	119.3	125
															139.0	108	165.3	175
												2	3	4.8	—	—	89.2	110
															46.3	36	96.1	110
															93.0	72	131.3	150
															139.0	108	177.3	200
													5	7.6	—	—	94.8	110
															46.3	36	103.1	110
															93.0	72	138.3	150
															139.0	108	184.3	200
													7.5	11.0	—	—	101.6	110
															46.3	36	111.6	125
															93.0	72	146.8	150
															139.0	108	192.8	200
													10	14.0	—	—	107.6	125
															46.3	36	119.1	125
															93.0	72	154.3	175
															139.0	108	200.3	225

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	23.1	150	1	23.1	150	2	3.3 (ea)	20	27.0	—	—	—	—	—	86.6	110
															46.3	36	91.6	110
															93.0	72	126.8	150
															139.0	108	172.8	175
												2	3	4.8	—	—	96.2	110
															46.3	36	103.6	110
															93.0	72	138.8	150
															139.0	108	184.8	200
													5	7.6	—	—	101.8	125
															46.3	36	110.6	125
															93.0	72	145.8	150
															139.0	108	191.8	200
													7.5	11.0	—	—	108.6	125
															46.3	36	119.1	125
															93.0	72	154.3	175
															139.0	108	200.3	225
													10	14.0	—	—	114.6	125
															46.3	36	126.6	150
															93.0	72	161.8	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	95.3	125
															46.3	36	100.4	125
															93.0	72	135.5	150
															139.0	108	181.5	200
												2	3	4.8	—	—	104.9	125
															46.3	36	112.4	125
															93.0	72	147.5	175
															139.0	108	193.5	225
													5	7.6	—	—	110.5	125
															46.3	36	119.4	125
															93.0	72	154.5	175
															139.0	108	200.5	225
													7.5	11.0	—	—	117.3	150
															46.3	36	127.9	150
															93.0	72	163.0	175
															139.0	108	209.0	225
													10	14.0	—	—	123.3	150
															46.3	36	135.4	150
															93.0	72	170.5	175
															139.0	108	216.5	225
										30	40	—	—	—	—	—	102.8	125
															46.3	36	107.9	125
															93.0	72	143.0	175
															139.0	108	189.0	225
												2	3	4.8	—	—	112.4	150
															46.3	36	119.9	150
															93.0	72	155.0	175
															139.0	108	201.0	225
													5	7.6	—	—	118.0	150
															46.3	36	126.9	150
															93.0	72	162.0	175
															139.0	108	208.0	225
													7.5	11.0	—	—	124.8	150
															46.3	36	135.4	150
															93.0	72	170.5	200
															139.0	108	216.5	250
													10	14.0	—	—	130.8	150
															46.3	36	142.9	150
															93.0	72	178.0	200
															139.0	108	224.0	250

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	19.9	109	1	19.9	109	2	2.6 (ea)	$7\ ^{1}/_{2}$	9.0	—	—	—	—	—	59.0	70
															36.0	36	59.0	70
															72.0	72	83.3	100
															108.0	108	119.3	125
												2	3	3.9	—	—	66.8	80
															36.0	36	66.8	80
															72.0	72	93.0	110
															108.0	108	129.0	150
													5	6.1	—	—	71.2	90
															36.0	36	71.5	90
															72.0	72	98.5	110
															108.0	108	134.5	150
													7.5	9.0	—	—	77.0	90
															36.0	36	78.8	90
															72.0	72	105.8	110
															108.0	108	141.8	150
													10	11.0	—	—	81.0	100
															36.0	36	83.8	100
															72.0	72	110.8	125
															108.0	108	146.8	150
										10	11.0	—	—	—	—	—	61.0	80
															36.0	36	61.0	80
															72.0	72	85.8	100
															108.0	108	121.8	125
												2	3	3.9	—	—	68.8	80
															36.0	36	68.8	80
															72.0	72	95.5	110
															108.0	108	131.5	150
													5	6.1	—	—	73.2	90
															36.0	36	74.0	90
															72.0	72	101.0	110
															108.0	108	137.0	150
													7.5	9.0	—	—	79.0	90
															36.0	36	81.3	90
															72.0	72	108.3	125
															108.0	108	144.3	150
													10	11.0	—	—	83.0	100
															36.0	36	86.3	100
															72.0	72	113.3	125
															108.0	108	149.3	150
										15	17.0	—	—	—	—	—	67.0	80
															36.0	36	67.0	80
															72.0	72	93.3	110
															108.0	108	129.3	150
												2	3	3.9	—	—	74.8	90
															36.0	36	76.0	90
															72.0	72	103.0	110
															108.0	108	139.0	150
													5	6.1	—	—	79.2	90
															36.0	36	81.5	90
															72.0	72	108.5	125
															108.0	108	144.5	150
													7.5	9.0	—	—	85.0	100
															36.0	36	88.8	100
															72.0	72	115.8	125
															108.0	108	151.8	175
													10	11.0	—	—	89.0	100
															36.0	36	93.8	100
															72.0	72	120.8	125
															108.0	108	156.8	175

See page 78 for legend and notes.

Table 11 — Electrical Data — 50P2,P3,P4,P5030 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	19.9	109	1	19.9	109	2	2.6 (ea)	20	22.0	—	—	—	—	—	72.5	90
															36.0	36	72.5	90
															72.0	72	99.5	110
															108.0	108	135.5	150
												2	3	3.9	—	—	80.3	100
															36.0	36	82.3	100
															72.0	72	109.3	125
															108.0	108	145.3	150
													5	6.1	—	—	84.7	100
															36.0	36	87.8	100
															72.0	72	114.8	125
															108.0	108	150.8	175
													7.5	9.0	—	—	90.5	110
															36.0	36	95.0	110
															72.0	72	122.0	125
															108.0	108	158.0	175
													10	11.0	—	—	94.5	110
															36.0	36	100.0	110
															72.0	72	127.0	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	78.8	100
															36.0	36	78.8	100
															72.0	72	105.8	125
															108.0	108	141.8	150
												2	3	3.9	—	—	86.6	110
															36.0	36	88.5	110
															72.0	72	115.5	125
															108.0	108	151.5	175
													5	6.1	—	—	91.0	110
															36.0	36	94.0	110
															72.0	72	121.0	125
															108.0	108	157.0	175
													7.5	9.0	—	—	96.8	110
															36.0	36	101.3	110
															72.0	72	128.3	150
															108.0	108	164.3	175
													10	11.0	—	—	100.8	125
															36.0	36	106.3	125
															72.0	72	133.3	150
															108.0	108	169.3	175
										30	32.0	—	—	—	—	—	85.0	110
															36.0	36	85.0	110
															72.0	72	112.0	125
															108.0	108	148.0	175
												2	3	3.9	—	—	92.8	110
															36.0	36	94.8	110
															72.0	72	121.8	150
															108.0	108	157.8	175
													5	6.1	—	—	97.2	125
															36.0	36	100.3	125
															72.0	72	127.3	150
															108.0	108	163.3	175
													7.5	9.0	—	—	103.0	125
															36.0	36	107.5	125
															72.0	72	134.5	150
															108.0	108	170.5	175
													10	11.0	—	—	107.0	125
															36.0	36	112.5	125
															72.0	72	139.5	150
															108.0	108	175.5	200

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	55.8	340	1	55.8	340	2	6.6 (ea)	7 1/2	24.2 / 22.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	163.0/ 160.8 163.0/ 160.8 188.0/ 209.5 266.9/ 300.5	200/ 200 200/ 200 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	184.2/ 180.0 184.2/ 180.0 214.5/ 233.5 293.4/ 324.5	225/ 225 225/ 225 250/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	196.4/ 191.2 196.4/ 191.2 229.7/ 247.5 308.6/ 338.5	250/ 225 250/ 225 250/ 300 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	211.4/ 204.8 211.4/ 204.8 248.5/ 264.5 327.4/ 355.5	250/ 250 250/ 250 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	224.6/ 216.8 224.6/ 216.8 265.0/ 279.5 343.9/ 370.5	250/ 250 250/ 250 300/ 300 350/ 400
										10	30.8 / 28.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	169.6/ 166.8 169.6/ 166.8 196.2/ 217.0 275.1/ 308.0	225/ 200 225/ 200 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	190.8/ 186.0 190.8/ 186.0 222.7/ 241.0 301.6/ 332.0	225/ 225 225/ 225 250/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	203.0/ 197.2 203.0/ 197.2 238.0/ 255.0 316.9/ 346.0	250/ 250 250/ 250 250/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	218.0/ 210.8 218.0/ 210.8 256.7/ 272.0 335.6/ 363.0	250/ 250 250/ 250 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	231.2/ 222.8 231.2/ 222.8 273.2/ 287.0 352.1/ 378.0	250/ 250 250/ 250 300/ 300 400/ 400
										15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	185.0/ 180.8 185.0/ 180.8 215.5/ 234.5 294.4/ 325.5	225/ 225 225/ 225 250/ 250 350/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	206.2/ 200.0 206.2/ 200.0 242.0/ 258.5 320.9/ 349.5	250/ 250 250/ 250 250/ 300 350/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	218.4/ 211.2 218.4/ 211.2 257.2/ 272.5 336.1/ 363.5	250/ 250 250/ 250 300/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	233.4/ 224.8 233.4/ 224.8 276.0/ 289.5 354.9/ 380.5	250/ 250 250/ 250 300/ 300 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	246.6/ 236.8 246.6/ 236.8 292.5/ 304.5 371.4/ 395.5	300/ 250 300/ 250 300/ 350 400/ 400

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	55.8	340	1	55.8	340	2	6.6 (ea)	20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	199.1/ 192.8 199.1/ 192.8 232.0/ 249.5 310.9/ 340.5	250/ 225 250/ 225 250/ 300 350/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	220.3/ 212.0 220.3/ 212.0 258.5/ 273.5 337.4/ 364.5	250/ 250 250/ 250 300/ 300 350/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	232.5/ 223.2 232.5/ 223.2 273.7/ 287.5 352.6/ 378.5	250/ 250 250/ 250 300/ 300 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	247.5/ 236.8 247.5/ 236.8 292.5/ 304.5 371.4/ 395.5	300/ 250 300/ 250 300/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	260.7/ 248.8 260.7/ 250.0 309.0/ 319.5 387.9/ 410.5	300/ 300 300/ 300 350/ 350 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	218.3/ 209.8 218.3/ 209.8 251.2/ 267.0 330.1/ 358.0	250/ 250 250/ 250 300/ 300 400/ 400
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	239.5/ 229.0 239.5/ 229.0 277.7/ 291.0 356.6/ 382.0	300/ 250 300/ 250 300/ 350 400/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	251.7/ 240.2 251.7/ 240.2 293.0/ 305.0 371.9/ 396.0	300/ 300 300/ 300 350/ 350 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	266.7/ 253.8 266.7/ 253.8 311.7/ 322.0 390.6/ 413.0	300/ 300 300/ 300 350/ 350 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	279.9/ 265.8 279.9/ 267.5 328.2/ 337.0 407.1/ 428.0	350/ 300 350/ 300 350/ 350 450/ 450
										30	88.0 / 80.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	234.8/ 224.8 234.8/ 224.8 267.7/ 282.0 346.6/ 373.0	300/ 300 300/ 300 350/ 350 400/ 450
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	256.0/ 244.0 256.0/ 244.0 294.2/ 306.0 373.1/ 397.0	300/ 300 300/ 300 350/ 350 450/ 450
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	268.2/ 255.2 268.2/ 255.2 309.5/ 320.0 388.4/ 411.0	350/ 300 350/ 300 350/ 350 450/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	283.2/ 268.8 283.2/ 268.8 328.2/ 337.0 407.1/ 428.0	350/ 300 350/ 300 400/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	296.4/ 280.8 296.4/ 282.5 344.7/ 352.0 423.6/ 443.0	350/ 350 350/ 350 400/ 400 450/ 500

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	34	196	1	34	196	2	4.7 (ea)	7 1/2	12.5	—	—	—	—	—	98.4	125
															38.3	36	98.4	125
															76.8	72	98.4	125
															114.7	108	130.3	150
												2	3	4.0	—	—	106.4	125
															38.3	36	106.4	125
															76.8	72	106.4	125
															114.7	108	140.3	175
													5	9.1	—	—	116.6	150
															38.3	36	116.6	150
															76.8	72	116.6	150
															114.7	108	153.1	175
													7.5	12.5	—	—	123.4	150
															38.3	36	123.4	150
															76.8	72	123.7	150
															114.7	108	161.6	175
													10	16.7	—	—	131.8	150
															38.3	36	131.8	150
															76.8	72	134.2	150
															114.7	108	172.1	200
										10	16.7	—	—	—	—	—	102.6	125
															38.3	36	102.6	125
															76.8	72	102.6	125
															114.7	108	135.6	150
												2	3	4.0	—	—	110.6	125
															38.3	36	110.6	125
															76.8	72	110.6	125
															114.7	108	145.6	175
													5	9.1	—	—	120.8	150
															38.3	36	120.8	150
															76.8	72	120.8	150
															114.7	108	158.3	175
													7.5	12.5	—	—	127.6	150
															38.3	36	127.6	150
															76.8	72	128.9	150
															114.7	108	166.8	175
													10	16.7	—	—	136.0	150
															38.3	36	136.0	150
															76.8	72	139.4	150
															114.7	108	177.3	200
										15	24.5	—	—	—	—	—	110.4	125
															38.3	36	110.4	125
															76.8	72	110.4	125
															114.7	108	145.3	175
												2	3	4.0	—	—	118.4	150
															38.3	36	118.4	150
															76.8	72	118.4	150
															114.7	108	155.3	175
													5	9.1	—	—	128.6	150
															38.3	36	128.6	150
															76.8	72	130.2	150
															114.7	108	168.1	175
													7.5	12.5	—	—	135.4	150
															38.3	36	135.4	150
															76.8	72	138.7	150
															114.7	108	176.6	200
													10	16.7	—	—	143.8	175
															38.3	36	143.8	175
															76.8	72	149.2	175
															114.7	108	187.1	200

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	34	196	1	34	196	2	4.7 (ea)	20	30.0	—	—	—	—	—	115.9	125
															38.3	36	115.9	125
															76.8	72	115.9	125
															114.7	108	152.2	175
												2	3	4.0	—	—	123.9	150
															38.3	36	123.9	150
															76.8	72	124.3	150
															114.7	108	162.2	175
													5	9.1	—	—	134.1	150
															38.3	36	134.1	150
															76.8	72	137.1	150
															114.7	108	175.0	200
													7.5	12.5	—	—	140.9	150
															38.3	36	140.9	150
															76.8	72	145.6	150
															114.7	108	183.5	200
													10	16.7	—	—	149.3	175
															38.3	36	149.3	175
															76.8	72	156.1	175
															114.7	108	194.0	200
										25	38.0	—	—	—	—	—	124.9	150
															38.3	36	124.9	150
															76.8	72	124.9	150
															114.7	108	162.2	200
												2	3	4.0	—	—	132.9	150
															38.3	36	132.9	150
															76.8	72	134.3	150
															114.7	108	172.2	200
													5	9.1	—	—	143.1	175
															38.3	36	143.1	175
															76.8	72	147.1	175
															114.7	108	185.0	200
													7.5	12.5	—	—	149.9	175
															38.3	36	149.9	175
															76.8	72	155.6	175
															114.7	108	193.5	225
													10	16.7	—	—	158.3	175
															38.3	36	158.3	175
															76.8	72	166.1	175
															114.7	108	204.0	225
										30	43.5	—	—	—	—	—	131.8	175
															38.3	36	131.8	175
															76.8	72	131.8	175
															114.7	108	169.1	200
												2	3	4.0	—	—	139.8	175
															38.3	36	139.8	175
															76.8	72	141.2	175
															114.7	108	179.1	200
													5	9.1	—	—	150.0	175
															38.3	36	150.0	175
															76.8	72	153.9	175
															114.7	108	191.8	225
													7.5	12.5	—	—	156.8	200
															38.3	36	156.8	200
															76.8	72	162.4	200
															114.7	108	200.3	225
													10	16.7	—	—	165.2	200
															38.3	36	165.2	200
															76.8	72	172.9	200
															114.7	108	210.8	225

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	26.9	179	1	26.9	179	2	3.3 (ea)	$7\ 1/2$	11.0	—	—	—	—	—	78.1	100
															46.3	36	78.1	100
															93.0	72	106.8	125
															139.0	108	152.8	175
												2	3	4.8	—	—	87.7	110
															46.3	36	87.7	110
															93.0	72	118.8	125
															139.0	108	164.8	175
													5	7.6	—	—	93.3	110
															46.3	36	93.3	110
															93.0	72	125.8	150
															139.0	108	171.8	175
													7.5	11.0	—	—	100.1	125
															46.3	36	100.1	125
															93.0	72	134.3	150
															139.0	108	180.3	200
													10	14.0	—	—	106.1	125
															46.3	36	106.6	125
															93.0	72	141.8	150
															139.0	108	187.8	200
										10	14.0	—	—	—	—	—	81.1	100
															46.3	36	81.1	100
															93.0	72	110.5	125
															139.0	108	156.5	175
												2	3	4.8	—	—	90.7	110
															46.3	36	90.7	110
															93.0	72	122.5	150
															139.0	108	168.5	175
													5	7.6	—	—	96.3	110
															46.3	36	96.3	110
															93.0	72	129.5	150
															139.0	108	175.5	200
													7.5	11.0	—	—	103.1	125
															46.3	36	103.1	125
															93.0	72	138.0	150
															139.0	108	184.0	200
													10	14.0	—	—	109.1	125
															46.3	36	110.4	125
															93.0	72	145.5	150
															139.0	108	191.5	200
										15	21.0	—	—	—	—	—	88.1	110
															46.3	36	88.1	110
															93.0	72	119.3	125
															139.0	108	165.3	175
												2	3	4.8	—	—	97.7	110
															46.3	36	97.7	110
															93.0	72	131.3	150
															139.0	108	177.3	200
													5	7.6	—	—	103.3	125
															46.3	36	103.3	125
															93.0	72	138.3	150
															139.0	108	184.3	200
													7.5	11.0	—	—	110.1	125
															46.3	36	111.6	125
															93.0	72	146.8	150
															139.0	108	192.8	200
													10	14.0	—	—	116.1	125
															46.3	36	119.1	125
															93.0	72	154.3	175
															139.0	108	200.3	225

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	26.9	179	1	26.9	179	2	3.3 (ea)	20	27.0	—	—	—	—	—	94.2	110
															46.3	36	94.2	110
															93.0	72	126.8	150
															139.0	108	172.8	175
												2	3	4.8	—	—	103.8	125
															46.3	36	103.8	125
															93.0	72	138.8	150
															139.0	108	184.8	200
													5	7.6	—	—	109.4	125
															46.3	36	110.6	125
															93.0	72	145.8	150
															139.0	108	191.8	200
													7.5	11.0	—	—	116.2	125
															46.3	36	119.1	125
															93.0	72	154.3	175
															139.0	108	200.3	225
													10	14.0	—	—	122.2	125
															46.3	36	126.6	150
															93.0	72	161.8	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	102.9	125
															46.3	36	102.9	125
															93.0	72	135.5	150
															139.0	108	181.5	200
												2	3	4.8	—	—	112.5	125
															46.3	36	112.5	125
															93.0	72	147.5	175
															139.0	108	193.5	225
													5	7.6	—	—	118.1	150
															46.3	36	119.4	150
															93.0	72	154.5	175
															139.0	108	200.5	225
													7.5	11.0	—	—	124.9	150
															46.3	36	127.9	150
															93.0	72	163.0	175
															139.0	108	209.0	225
													10	14.0	—	—	130.9	150
															46.3	36	135.4	150
															93.0	72	170.5	175
															139.0	108	216.5	225
										30	40	—	—	—	—	—	110.4	150
															46.3	36	110.4	150
															93.0	72	143.0	175
															139.0	108	189.0	225
												2	3	4.8	—	—	120.0	150
															46.3	36	120.0	150
															93.0	72	155.0	175
															139.0	108	201.0	225
													5	7.6	—	—	125.6	150
															46.3	36	126.9	150
															93.0	72	162.0	175
															139.0	108	208.0	225
													7.5	11.0	—	—	132.4	150
															46.3	36	135.4	150
															93.0	72	170.5	200
															139.0	108	216.5	250
													10	14.0	—	—	138.4	175
															46.3	36	142.9	175
															93.0	72	178.0	200
															139.0	108	224.0	250

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	23.7	132	1	23.7	132	2	2.6 (ea)	7 1/2	9.0	—	—	—	—	—	67.5	90
															36.0	36	67.5	90
															72.0	72	83.3	110
															108.0	108	119.3	125
												2	3	3.9	—	—	75.3	90
															36.0	36	75.3	90
															72.0	72	93.0	110
															108.0	108	129.0	150
													5	6.1	—	—	79.7	100
															36.0	36	79.7	100
															72.0	72	98.5	110
															108.0	108	134.5	150
													7.5	9.0	—	—	85.5	100
															36.0	36	85.5	100
															72.0	72	105.8	125
															108.0	108	141.8	150
													10	11.0	—	—	89.5	110
															36.0	36	89.5	110
															72.0	72	110.8	125
															108.0	108	146.8	150
										10	11.0	—	—	—	—	—	69.5	90
															36.0	36	69.5	90
															72.0	72	85.8	110
															108.0	108	121.8	125
												2	3	3.9	—	—	77.3	100
															36.0	36	77.3	100
															72.0	72	95.5	110
															108.0	108	131.5	150
													5	6.1	—	—	81.7	100
															36.0	36	81.7	100
															72.0	72	101.0	110
															108.0	108	137.0	150
													7.5	9.0	—	—	87.5	110
															36.0	36	87.5	110
															72.0	72	108.3	125
															108.0	108	144.3	150
													10	11.0	—	—	91.5	110
															36.0	36	91.5	110
															72.0	72	113.3	125
															108.0	108	149.3	150
										15	17.0	—	—	—	—	—	75.5	90
															36.0	36	75.5	90
															72.0	72	93.3	110
															108.0	108	129.3	150
												2	3	3.9	—	—	83.3	100
															36.0	36	83.3	100
															72.0	72	103.0	125
															108.0	108	139.0	150
													5	6.1	—	—	87.7	110
															36.0	36	87.7	110
															72.0	72	108.5	125
															108.0	108	144.5	150
													7.5	9.0	—	—	93.5	110
															36.0	36	93.5	110
															72.0	72	115.8	125
															108.0	108	151.8	175
													10	11.0	—	—	97.5	110
															36.0	36	97.5	110
															72.0	72	120.8	125
															108.0	108	156.8	175

See page 78 for legend and notes.

Table 12 — Electrical Data — 50P2,P3,P4,P5035 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	23.7	132	1	23.7	132	2	2.6 (ea)	20	22.0	—	—	—	—	—	80.5	100
															36.0	36	80.5	100
															72.0	72	99.5	110
															108.0	108	135.5	150
												2	3	3.9	—	—	88.3	110
															36.0	36	88.3	110
															72.0	72	109.3	125
															108.0	108	145.3	150
													5	6.1	—	—	92.7	110
															36.0	36	92.7	110
															72.0	72	114.8	125
															108.0	108	150.8	175
													7.5	9.0	—	—	98.5	110
															36.0	36	98.5	110
															72.0	72	122.0	125
															108.0	108	158.0	175
													10	11.0	—	—	102.5	125
															36.0	36	102.5	125
															72.0	72	127.0	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	86.4	110
															36.0	36	86.4	110
															72.0	72	105.8	125
															108.0	108	141.8	150
												2	3	3.9	—	—	94.2	110
															36.0	36	94.2	110
															72.0	72	115.5	125
															108.0	108	151.5	175
													5	6.1	—	—	98.6	125
															36.0	36	98.6	125
															72.0	72	121.0	125
															108.0	108	157.0	175
													7.5	9.0	—	—	104.4	125
															36.0	36	104.4	125
															72.0	72	128.3	150
															108.0	108	164.3	175
													10	11.0	—	—	108.4	125
															36.0	36	108.4	125
															72.0	72	133.3	150
															108.0	108	169.3	175
										30	32.0	—	—	—	—	—	92.6	110
															36.0	36	92.6	110
															72.0	72	112.0	125
															108.0	108	148.0	175
												2	3	3.9	—	—	100.4	125
															36.0	36	100.4	125
															72.0	72	121.8	150
															108.0	108	157.8	175
													5	6.1	—	—	104.8	125
															36.0	36	104.8	125
															72.0	72	127.3	150
															108.0	108	163.3	175
													7.5	9.0	—	—	110.6	125
															36.0	36	110.6	125
															72.0	72	134.5	150
															108.0	108	170.5	175
													10	11.0	—	—	114.6	125
															36.0	36	114.6	125
															72.0	72	139.5	150
															108.0	108	175.5	200

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	55.8	340	2	30.1	225	3	6.6 (ea)	7 1/2	24.2 / 22.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	174.0/ 171.8 174.0/ 171.8 188.0/ 209.5 266.9/ 300.5	225/ 225 225/ 225 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	195.2/ 191.0 195.2/ 191.0 214.5/ 233.5 293.4/ 324.5	250/ 225 250/ 225 250/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	207.4/ 202.2 207.4/ 202.2 229.7/ 247.5 308.6/ 338.5	250/ 250 250/ 250 250/ 300 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	222.4/ 215.8 222.4/ 215.8 248.5/ 264.5 327.4/ 355.5	250/ 250 250/ 250 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	235.6/ 227.8 235.6/ 227.8 265.0/ 279.5 343.9/ 370.5	250/ 250 250/ 250 300/ 300 350/ 400
										10	30.8 / 28.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	180.6/ 177.8 180.6/ 177.8 196.2/ 217.0 275.1/ 308.0	225/ 225 225/ 225 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	201.8/ 197.0 201.8/ 197.0 222.7/ 241.0 301.6/ 332.0	250/ 250 250/ 250 250/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	214.0/ 208.2 214.0/ 208.2 238.0/ 255.0 316.9/ 346.0	250/ 250 250/ 250 250/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	229.0/ 221.8 229.0/ 221.8 256.7/ 272.0 335.6/ 363.0	250/ 250 250/ 250 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	242.2/ 233.8 242.2/ 233.8 273.2/ 287.0 352.1/ 378.0	250/ 250 250/ 250 300/ 300 400/ 400
										15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	196.0/ 191.8 196.0/ 191.8 215.5/ 234.5 294.4/ 325.5	250/ 225 250/ 225 250/ 250 350/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	217.2/ 211.0 217.2/ 211.0 242.0/ 258.5 320.9/ 349.5	250/ 250 250/ 250 250/ 300 350/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	229.4/ 222.2 229.4/ 222.2 257.2/ 272.5 336.1/ 363.5	250/ 250 250/ 250 300/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	244.4/ 235.8 244.4/ 235.8 276.0/ 289.5 354.9/ 380.5	300/ 250 300/ 250 300/ 300 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	257.6/ 247.8 257.6/ 247.8 292.5/ 304.5 371.4/ 395.5	300/ 300 300/ 300 300/ 350 400/ 400

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	1	55.8	340	2	30.1	225	3	6.6 (ea)	20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	210.1/ 203.8 210.1/ 203.8 232.0/ 249.5 310.9/ 340.5	250/ 250 250/ 250 250/ 300 350/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	231.3/ 223.0 231.3/ 223.0 258.5/ 273.5 337.4/ 364.5	250/ 250 250/ 250 300/ 300 350/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	243.5/ 234.2 243.5/ 234.2 273.7/ 287.5 352.6/ 378.5	300/ 250 300/ 250 300/ 300 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	258.5/ 247.8 258.5/ 247.8 292.5/ 304.5 371.4/ 395.5	300/ 300 300/ 300 300/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	271.7/ 259.8 271.7/ 259.8 309.0/ 319.5 387.9/ 410.5	300/ 300 300/ 300 350/ 350 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	229.3/ 220.8 229.3/ 220.8 251.2/ 267.0 330.1/ 358.0	300/ 250 300/ 250 300/ 300 400/ 400
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	250.5/ 240.0 250.5/ 240.0 277.7/ 291.0 356.6/ 382.0	300/ 300 300/ 300 300/ 350 400/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	262.7/ 251.2 262.7/ 251.2 293.0/ 305.0 371.9/ 396.0	300/ 300 300/ 300 350/ 350 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	277.7/ 264.8 277.7/ 264.8 311.7/ 322.0 390.6/ 413.0	350/ 300 350/ 300 350/ 350 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	290.9/ 276.8 290.9/ 276.8 328.2/ 337.0 407.1/ 428.0	350/ 300 350/ 300 350/ 350 450/ 450
										30	88.0 / 80.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	245.8/ 235.8 245.8/ 235.8 267.7/ 282.0 346.6/ 373.0	300/ 300 300/ 300 350/ 350 400/ 450
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	267.0/ 255.0 267.0/ 255.0 294.2/ 306.0 373.1/ 397.0	350/ 300 350/ 300 350/ 350 450/ 450
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	279.2/ 266.2 279.2/ 266.2 309.5/ 320.0 388.4/ 411.0	350/ 300 350/ 300 350/ 350 450/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	294.2/ 279.8 294.2/ 279.8 328.2/ 337.0 407.1/ 428.0	350/ 350 350/ 350 400/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	307.4/ 291.8 307.4/ 291.8 344.7/ 352.0 423.6/ 443.0	350/ 350 350/ 350 400/ 400 450/ 500

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	34	196	2	19.2	140	3	3.9 (ea)	7 1/2	12.5	—	—	—	—	—	105.1	125
															38.3	36	105.1	125
															76.8	72	105.1	125
															114.7	108	130.3	150
												2	3	4.0	—	—	113.1	125
															38.3	36	113.1	125
															76.8	72	113.1	125
															114.7	108	140.3	175
													5	9.1	—	—	123.3	150
															38.3	36	123.3	150
															76.8	72	123.3	150
															114.7	108	153.1	175
													7.5	12.5	—	—	130.1	150
															38.3	36	130.1	150
															76.8	72	130.1	150
															114.7	108	161.6	175
													10	16.7	—	—	138.5	150
															38.3	36	138.5	150
															76.8	72	138.5	150
															114.7	108	172.1	200
										10	16.7	—	—	—	—	—	109.3	125
															38.3	36	109.3	125
															76.8	72	109.3	125
															114.7	108	135.6	150
												2	3	4.0	—	—	117.3	150
															38.3	36	117.3	150
															76.8	72	117.3	150
															114.7	108	145.6	175
													5	9.1	—	—	127.5	150
															38.3	36	127.5	150
															76.8	72	127.5	150
															114.7	108	158.3	175
													7.5	12.5	—	—	134.3	150
															38.3	36	134.3	150
															76.8	72	134.3	150
															114.7	108	166.8	175
													10	16.7	—	—	142.7	175
															38.3	36	142.7	175
															76.8	72	142.7	175
															114.7	108	177.3	200
										15	24.5	—	—	—	—	—	117.1	150
															38.3	36	117.1	150
															76.8	72	117.1	150
															114.7	108	145.3	175
												2	3	4.0	—	—	125.1	150
															38.3	36	125.1	150
															76.8	72	125.1	150
															114.7	108	155.3	175
													5	9.1	—	—	135.3	150
															38.3	36	135.3	150
															76.8	72	135.3	150
															114.7	108	168.1	175
													7.5	12.5	—	—	142.1	175
															38.3	36	142.1	175
															76.8	72	142.1	175
															114.7	108	176.6	200
													10	16.7	—	—	150.5	175
															38.3	36	150.5	175
															76.8	72	150.5	175
															114.7	108	187.1	200

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	1	34	196	2	19.2	140	3	3.9 (ea)	20	30.0	—	—	—	—	—	122.6	150
															38.3	36	122.6	150
															76.8	72	122.6	150
															114.7	108	152.2	175
												2	3	4.0	—	—	130.6	150
															38.3	36	130.6	150
															76.8	72	130.6	150
															114.7	108	162.2	175
													5	9.1	—	—	140.8	150
															38.3	36	140.8	150
															76.8	72	140.8	150
															114.7	108	175.0	200
													7.5	12.5	—	—	147.6	175
															38.3	36	147.6	175
															76.8	72	147.6	175
															114.7	108	183.5	200
													10	16.7	—	—	156.0	175
															38.3	36	156.0	175
															76.8	72	156.1	175
															114.7	108	194.0	200
										25	38.0	—	—	—	—	—	131.6	150
															38.3	36	131.6	150
															76.8	72	131.6	150
															114.7	108	162.2	200
												2	3	4.0	—	—	139.6	175
															38.3	36	139.6	175
															76.8	72	139.6	175
															114.7	108	172.2	200
													5	9.1	—	—	149.8	175
															38.3	36	149.8	175
															76.8	72	149.8	175
															114.7	108	185.0	200
													7.5	12.5	—	—	156.6	175
															38.3	36	156.6	175
															76.8	72	156.6	175
															114.7	108	193.5	225
													10	16.7	—	—	165.0	200
															38.3	36	165.0	200
															76.8	72	166.1	200
															114.7	108	204.0	225
										30	43.5	—	—	—	—	—	138.5	175
															38.3	36	138.5	175
															76.8	72	138.5	175
															114.7	108	169.1	200
												2	3	4.0	—	—	146.5	175
															38.3	36	146.5	175
															76.8	72	146.5	175
															114.7	108	179.1	200
													5	9.1	—	—	156.7	200
															38.3	36	156.7	200
															76.8	72	156.7	200
															114.7	108	191.8	225
													7.5	12.5	—	—	163.5	200
															38.3	36	163.5	200
															76.8	72	163.5	200
															114.7	108	200.3	225
													10	16.7	—	—	171.9	200
															38.3	36	171.9	200
															76.8	72	172.9	200
															114.7	108	210.8	225

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	26.9	179	2	16.7	114	3	3.3 (ea)	7 1/2	11.0	—	—	—	—	—	87.9	110
															46.3	36	87.9	110
															93.0	72	106.8	125
															139.0	108	152.8	175
												2	3	4.8	—	—	97.5	110
															46.3	36	97.5	110
															93.0	72	118.8	125
															139.0	108	164.8	175
													5	7.6	—	—	103.1	125
															46.3	36	103.1	125
															93.0	72	125.8	150
															139.0	108	171.8	175
													7.5	11.0	—	—	109.9	125
															46.3	36	109.9	125
															93.0	72	134.3	150
															139.0	108	180.3	200
													10	14.0	—	—	115.9	125
															46.3	36	115.9	125
															93.0	72	141.8	150
															139.0	108	187.8	200
										10	14.0	—	—	—	—	—	90.9	110
															46.3	36	90.9	110
															93.0	72	110.5	125
															139.0	108	156.5	175
												2	3	4.8	—	—	100.5	125
															46.3	36	100.5	125
															93.0	72	122.5	150
															139.0	108	168.5	175
													5	7.6	—	—	106.1	125
															46.3	36	106.1	125
															93.0	72	129.5	150
															139.0	108	175.5	200
													7.5	11.0	—	—	112.9	125
															46.3	36	112.9	125
															93.0	72	138.0	150
															139.0	108	184.0	200
													10	14.0	—	—	118.9	125
															46.3	36	118.9	125
															93.0	72	145.5	150
															139.0	108	191.5	200
										15	21.0	—	—	—	—	—	97.9	110
															46.3	36	97.9	110
															93.0	72	119.3	125
															139.0	108	165.3	175
												2	3	4.8	—	—	107.5	125
															46.3	36	107.5	125
															93.0	72	131.3	150
															139.0	108	177.3	200
													5	7.6	—	—	113.1	125
															46.3	36	113.1	125
															93.0	72	138.3	150
															139.0	108	184.3	200
													7.5	11.0	—	—	119.9	125
															46.3	36	119.9	125
															93.0	72	146.8	150
															139.0	108	192.8	200
													10	14.0	—	—	125.9	150
															46.3	36	125.9	150
															93.0	72	154.3	175
															139.0	108	200.3	225

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	1	26.9	179	2	16.7	114	3	3.3 (ea)	20	27.0	—	—	—	—	—	104.0	125
															46.3	36	104.0	125
															93.0	72	126.8	150
															139.0	108	172.8	175
												2	3	4.8	—	—	113.6	125
															46.3	36	113.6	125
															93.0	72	138.8	150
															139.0	108	184.8	200
													5	7.6	—	—	119.2	125
															46.3	36	119.2	125
															93.0	72	145.8	150
															139.0	108	191.8	200
													7.5	11.0	—	—	126.0	150
															46.3	36	126.0	150
															93.0	72	154.3	175
															139.0	108	200.3	225
													10	14.0	—	—	132.0	150
															46.3	36	132.0	150
															93.0	72	161.8	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	112.7	125
															46.3	36	112.7	125
															93.0	72	135.5	150
															139.0	108	181.5	200
												2	3	4.8	—	—	122.3	150
															46.3	36	122.3	150
															93.0	72	147.5	175
															139.0	108	193.5	225
													5	7.6	—	—	127.9	150
															46.3	36	127.9	150
															93.0	72	154.5	175
															139.0	108	200.5	225
													7.5	11.0	—	—	134.7	150
															46.3	36	134.7	150
															93.0	72	163.0	175
															139.0	108	209.0	225
													10	14.0	—	—	140.7	150
															46.3	36	140.7	150
															93.0	72	170.5	175
															139.0	108	216.5	225
										30	40.0	—	—	—	—	—	120.2	150
															46.3	36	120.2	150
															93.0	72	143.0	175
															139.0	108	189.0	225
												2	3	4.8	—	—	129.8	150
															46.3	36	129.8	150
															93.0	72	155.0	175
															139.0	108	201.0	225
													5	7.6	—	—	135.4	175
															46.3	36	135.4	175
															93.0	72	162.0	175
															139.0	108	208.0	225
													7.5	11.0	—	—	142.2	175
															46.3	36	142.2	175
															93.0	72	170.5	200
															139.0	108	216.5	250
													10	14.0	—	—	148.2	175
															46.3	36	148.2	175
															93.0	72	178.0	200
															139.0	108	224.0	250

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	23.7	132	2	12.2	80	3	2.6 (ea)	7 1/2	9.0	—	—	—	—	—	70.8	90
															36.0	36	70.8	90
															72.0	72	83.3	110
															108.0	108	119.3	125
												2	3	3.9	—	—	78.6	100
															36.0	36	78.6	100
															72.0	72	93.0	110
															108.0	108	129.0	150
													5	6.1	—	—	83.0	100
															36.0	36	83.0	100
															72.0	72	98.5	110
															108.0	108	134.5	150
													7.5	9.0	—	—	88.8	110
															36.0	36	88.8	110
															72.0	72	105.8	125
															108.0	108	141.8	150
													10	11.0	—	—	92.8	110
															36.0	36	92.8	110
															72.0	72	110.8	125
															108.0	108	146.8	150
										10	11.0	—	—	—	—	—	72.8	90
															36.0	36	72.8	90
															72.0	72	85.8	110
															108.0	108	121.8	125
												2	3	3.9	—	—	80.6	100
															36.0	36	80.6	100
															72.0	72	95.5	110
															108.0	108	131.5	150
													5	6.1	—	—	85.0	100
															36.0	36	85.0	100
															72.0	72	101.0	110
															108.0	108	137.0	150
													7.5	9.0	—	—	90.8	110
															36.0	36	90.8	110
															72.0	72	108.3	125
															108.0	108	144.3	150
													10	11.0	—	—	94.8	110
															36.0	36	94.8	110
															72.0	72	113.3	125
															108.0	108	149.3	150
										15	17.0	—	—	—	—	—	78.8	100
															36.0	36	78.8	100
															72.0	72	93.3	110
															108.0	108	129.3	150
												2	3	3.9	—	—	86.6	110
															36.0	36	86.6	110
															72.0	72	103.0	125
															108.0	108	139.0	150
													5	6.1	—	—	91.0	110
															36.0	36	91.0	110
															72.0	72	108.5	125
															108.0	108	144.5	150
													7.5	9.0	—	—	96.8	110
															36.0	36	96.8	110
															72.0	72	115.8	125
															108.0	108	151.8	175
													10	11.0	—	—	100.8	110
															36.0	36	100.8	110
															72.0	72	120.8	125
															108.0	108	156.8	175

See page 78 for legend and notes.

Table 13 — Electrical Data — 50P2,P3,P4,P5040 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	1	23.7	132	2	12.2	80	3	2.6 (ea)	20	22.0	—	—	—	—	—	83.8	100
															36.0	36	83.8	100
															72.0	72	99.5	110
															108.0	108	135.5	150
												2	3	3.9	—	—	91.6	110
															36.0	36	91.6	110
															72.0	72	109.3	125
															108.0	108	145.3	150
													5	6.1	—	—	96.0	110
															36.0	36	96.0	110
															72.0	72	114.8	125
															108.0	108	150.8	175
													7.5	9.0	—	—	101.8	125
															36.0	36	101.8	125
															72.0	72	122.0	125
															108.0	108	158.0	175
													10	11.0	—	—	105.8	125
															36.0	36	105.8	125
															72.0	72	127.0	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	89.7	110
															36.0	36	89.7	110
															72.0	72	105.8	125
															108.0	108	141.8	150
												2	3	3.9	—	—	97.5	110
															36.0	36	97.5	110
															72.0	72	115.5	125
															108.0	108	151.5	175
													5	6.1	—	—	101.9	125
															36.0	36	101.9	125
															72.0	72	121.0	125
															108.0	108	157.0	175
													7.5	9.0	—	—	107.7	125
															36.0	36	107.7	125
															72.0	72	128.3	150
															108.0	108	164.3	175
													10	11.0	—	—	111.7	125
															36.0	36	111.7	125
															72.0	72	133.3	150
															108.0	108	169.3	175
										30	32.0	—	—	—	—	—	95.9	125
															36.0	36	95.9	125
															72.0	72	112.0	125
															108.0	108	148.0	175
												2	3	3.9	—	—	103.7	125
															36.0	36	103.7	125
															72.0	72	121.8	150
															108.0	108	157.8	175
													5	6.1	—	—	108.1	125
															36.0	36	108.1	125
															72.0	72	127.3	150
															108.0	108	163.3	175
													7.5	9.0	—	—	113.9	125
															36.0	36	113.9	125
															72.0	72	134.5	150
															108.0	108	170.5	175
													10	11.0	—	—	117.9	125
															36.0	36	117.9	125
															72.0	72	139.5	150
															108.0	108	175.5	200

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	33.3	239	2	48.1	245	4	6.6 (ea)	7 1/2	24.2 / 22.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	225.4/ 223.2 225.4/ 223.2 225.4/ 223.2 266.9/ 300.5	250/ 250 250/ 250 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	246.6/ 242.4 246.6/ 242.4 246.6/ 242.4 293.4/ 324.5	250/ 250 250/ 250 250/ 250 300/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	258.8/ 253.6 258.8/ 253.6 258.8/ 253.6 308.6/ 338.5	300/ 300 300/ 300 300/ 300 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	273.8/ 267.2 273.8/ 267.2 273.8/ 267.2 327.4/ 355.5	300/ 300 300/ 300 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	287.0/ 279.2 287.0/ 279.2 287.0/ 279.5 343.9/ 370.5	300/ 300 300/ 300 300/ 300 350/ 400
										10	30.8/28.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	232.0/ 229.2 232.0/ 229.2 232.0/ 229.2 275.1/ 308.0	250/ 250 250/ 250 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	253.2/ 248.4 253.2/ 248.4 253.2/ 248.4 301.6/ 332.0	300/ 250 300/ 250 300/ 250 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	265.4/ 259.6 265.4/ 259.6 265.4/ 259.6 316.9/ 346.0	300/ 300 300/ 300 300/ 300 350/ 350
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	280.4/ 273.2 280.4/ 273.2 280.4/ 273.2 335.6/ 363.0	300/ 300 300/ 300 300/ 300 350/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	293.6/ 285.2 293.6/ 285.2 293.6/ 287.0 352.1/ 378.0	300/ 300 300/ 300 300/ 300 400/ 400
										15	46.2/42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	247.4/ 243.2 247.4/ 243.2 247.4/ 243.2 294.4/ 325.5	250/ 250 250/ 250 250/ 250 300/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	268.6/ 262.4 268.6/ 262.4 268.6/ 262.4 320.9/ 349.5	300/ 300 300/ 300 300/ 300 350/ 350
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	280.8/ 273.6 280.8/ 273.6 280.8/ 273.6 336.1/ 363.5	300/ 300 300/ 300 300/ 300 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	295.8/ 287.2 295.8/ 287.2 295.8/ 289.5 354.9/ 380.5	300/ 300 300/ 300 300/ 300 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	309.0/ 299.2 309.0/ 299.2 309.0/ 304.5 371.4/ 395.5	350/ 300 350/ 300 350/ 350 400/ 400

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	33.3	239	2	48.1	245	4	6.6 (ea)	20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	263.5/ 256.7 263.5/ 256.7 263.5/ 256.7 310.9/ 340.5	300/ 300 300/ 300 300/ 300 350/ 350
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	284.7/ 275.9 284.7/ 275.9 284.7/ 275.9 337.4/ 364.5	300/ 300 300/ 300 300/ 300 350/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	296.9/ 287.1 296.9/ 287.1 296.9/ 287.5 352.6/ 378.5	350/ 300 350/ 300 350/ 300 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	311.9/ 300.7 311.9/ 300.7 311.9/ 304.5 371.4/ 395.5	350/ 350 350/ 350 350/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	325.1/ 312.7 325.1/ 312.7 325.1/ 319.5 387.9/ 410.5	350/ 350 350/ 350 350/ 350 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	282.7/ 274.2 282.7/ 274.2 282.7/ 274.2 330.1/ 358.0	350/ 300 350/ 300 350/ 300 400/ 400
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	303.9/ 293.4 303.9/ 293.4 303.9/ 293.4 356.6/ 382.0	350/ 350 350/ 350 350/ 350 400/ 400
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	316.1/ 304.6 316.1/ 304.6 316.1/ 305.0 371.9/ 396.0	350/ 350 350/ 350 350/ 350 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	331.1/ 318.2 331.1/ 318.2 331.1/ 322.0 390.6/ 413.0	400/ 350 400/ 350 400/ 350 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	344.3/ 330.2 344.3/ 330.2 344.3/ 337.0 407.1/ 428.0	400/ 350 400/ 350 400/ 350 450/ 450
										30	88.0 / 80.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	299.2/ 289.2 299.2/ 289.2 299.2/ 289.2 346.6/ 373.0	350/ 350 350/ 350 350/ 350 400/ 450
												2	3	10.6 / 9.6	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	320.4/ 308.4 320.4/ 308.4 320.4/ 308.4 373.1/ 397.0	400/ 350 400/ 350 400/ 350 450/ 450
													5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	332.6/ 319.6 332.6/ 319.6 332.6/ 320.0 388.4/ 411.0	400/ 350 400/ 350 400/ 350 450/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	347.6/ 333.2 347.6/ 333.2 347.6/ 337.0 407.1/ 428.0	400/ 400 400/ 400 400/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	360.8/ 345.2 360.8/ 345.2 360.8/ 352.0 423.6/ 443.0	400/ 400 400/ 400 400/ 400 450/ 500

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	23.7	145	2	23.7	145	4	3.9 (ea)	7 1/2	12.5	—	—	—	—	—	128.8	150
															38.3	36	128.8	150
															76.8	72	128.8	150
															114.7	108	130.3	150
												2	3	4.0	—	—	136.8	150
															38.3	36	136.8	150
															76.8	72	136.8	150
															114.7	108	140.3	150
													5	9.1	—	—	147.0	150
															38.3	36	147.0	150
															76.8	72	147.0	150
															114.7	108	153.1	175
													7.5	12.5	—	—	153.8	175
															38.3	36	153.8	175
															76.8	72	153.8	175
															114.7	108	161.6	175
													10	16.7	—	—	162.2	175
															38.3	36	162.2	175
															76.8	72	162.2	175
															114.7	108	172.1	175
										10	16.7	—	—	—	—	—	133.0	150
															38.3	36	133.0	150
															76.8	72	133.0	150
															114.7	108	135.6	150
												2	3	4.0	—	—	141.0	150
															38.3	36	141.0	150
															76.8	72	141.0	150
															114.7	108	145.6	150
													5	9.1	—	—	151.2	175
															38.3	36	151.2	175
															76.8	72	151.2	175
															114.7	108	158.3	175
													7.5	12.5	—	—	158.0	175
															38.3	36	158.0	175
															76.8	72	158.0	175
															114.7	108	166.8	175
													10	16.7	—	—	166.4	175
															38.3	36	166.4	175
															76.8	72	166.4	175
															114.7	108	177.3	200
										15	24.5	—	—	—	—	—	141.0	150
															38.3	36	141.0	150
															76.8	72	141.0	150
															114.7	108	145.3	150
												2	3	4.0	—	—	149.0	150
															38.3	36	149.0	150
															76.8	72	149.0	150
															114.7	108	155.3	175
													5	9.1	—	—	159.2	175
															38.3	36	159.2	175
															76.8	72	159.2	175
															114.7	108	168.1	175
													7.5	12.5	—	—	166.0	175
															38.3	36	166.0	175
															76.8	72	166.0	175
															114.7	108	176.6	200
													10	16.7	—	—	174.4	175
															38.3	36	174.4	175
															76.8	72	174.4	175
															114.7	108	187.1	200

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	23.7	145	2	23.7	145	4	3.9 (ea)	20	30.0	—	—	—	—	—	147.9	175
															38.3	36	147.9	175
															76.8	72	147.9	175
															114.7	108	152.2	175
												2	3	4.0	—	—	155.9	175
															38.3	36	155.9	175
															76.8	72	155.9	175
															114.7	108	162.2	175
													5	9.1	—	—	166.1	175
															38.3	36	166.1	175
															76.8	72	166.1	175
															114.7	108	175.0	200
													7.5	12.5	—	—	172.9	200
															38.3	36	172.9	200
															76.8	72	172.9	200
															114.7	108	183.5	200
													10	16.7	—	—	181.3	200
															38.3	36	181.3	200
															76.8	72	181.3	200
															114.7	108	194.0	200
										25	38.0	—	—	—	—	—	157.9	175
															38.3	36	157.9	175
															76.8	72	157.9	175
															114.7	108	162.2	200
												2	3	4.0	—	—	165.9	200
															38.3	36	165.9	200
															76.8	72	165.9	200
															114.7	108	172.2	200
													5	9.1	—	—	176.1	200
															38.3	36	176.1	200
															76.8	72	176.1	200
															114.7	108	185.0	200
													7.5	12.5	—	—	182.9	200
															38.3	36	182.9	200
															76.8	72	182.9	200
															114.7	108	193.5	225
													10	16.7	—	—	191.3	225
															38.3	36	191.3	225
															76.8	72	191.3	225
															114.7	108	204.0	225
										30	43.5	—	—	—	—	—	164.8	200
															38.3	36	164.8	200
															76.8	72	164.8	200
															114.7	108	169.1	200
												2	3	4.0	—	—	172.8	200
															38.3	36	172.8	200
															76.8	72	172.8	200
															114.7	108	179.1	200
													5	9.1	—	—	183.0	225
															38.3	36	183.0	225
															76.8	72	183.0	225
															114.7	108	191.8	225
													7.5	12.5	—	—	189.8	225
															38.3	36	189.8	225
															76.8	72	189.8	225
															114.7	108	200.3	225
													10	16.7	—	—	198.2	225
															38.3	36	198.2	225
															76.8	72	198.2	225
															114.7	108	210.8	225

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	17.9	125	2	18.6	125	4	3.3 (ea)	7 1/2	11.0	—	—	—	—	—	101.9	110
															46.3	36	101.9	110
															93.0	72	106.8	125
															139.0	108	152.8	175
												2	3	4.8	—	—	111.5	125
															46.3	36	111.5	125
															93.0	72	118.8	125
															139.0	108	164.8	175
													5	7.6	—	—	117.1	125
															46.3	36	117.1	125
															93.0	72	125.8	150
															139.0	108	171.8	175
													7.5	11.0	—	—	123.9	125
															46.3	36	123.9	125
															93.0	72	134.3	150
															139.0	108	180.3	200
													10	14.0	—	—	129.9	150
															46.3	36	129.9	150
															93.0	72	141.8	150
															139.0	108	187.8	200
										10	14.0	—	—	—	—	—	104.9	110
															46.3	36	104.9	110
															93.0	72	110.5	125
															139.0	108	156.5	175
												2	3	4.8	—	—	114.5	125
															46.3	36	114.5	125
															93.0	72	122.5	125
															139.0	108	168.5	175
													5	7.6	—	—	120.1	125
															46.3	36	120.1	125
															93.0	72	129.5	150
															139.0	108	175.5	200
													7.5	11.0	—	—	126.9	150
															46.3	36	126.9	150
															93.0	72	138.0	150
															139.0	108	184.0	200
													10	14.0	—	—	132.9	150
															46.3	36	132.9	150
															93.0	72	145.5	150
															139.0	108	191.5	200
										15	21.0	—	—	—	—	—	112.5	125
															46.3	36	112.5	125
															93.0	72	119.3	125
															139.0	108	165.3	175
												2	3	4.8	—	—	122.1	125
															46.3	36	122.1	125
															93.0	72	131.3	150
															139.0	108	177.3	200
													5	7.6	—	—	127.7	150
															46.3	36	127.7	150
															93.0	72	138.3	150
															139.0	108	184.3	200
													7.5	11.0	—	—	134.5	150
															46.3	36	134.5	150
															93.0	72	146.8	150
															139.0	108	192.8	200
													10	14.0	—	—	140.5	150
															46.3	36	140.5	150
															93.0	72	154.3	175
															139.0	108	200.3	225

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	17.9	125	2	18.6	125	4	3.3 (ea)	20	27.0	—	—	—	—	—	120.0	125
															46.3	36	120.0	125
															93.0	72	126.8	150
															139.0	108	172.8	175
												2	3	4.8	—	—	129.6	150
															46.3	36	129.6	150
															93.0	72	138.8	150
															139.0	108	184.8	200
													5	7.6	—	—	135.2	150
															46.3	36	135.2	150
															93.0	72	145.8	150
															139.0	108	191.8	200
													7.5	11.0	—	—	142.0	150
															46.3	36	142.0	150
															93.0	72	154.3	175
															139.0	108	200.3	225
													10	14.0	—	—	148.0	150
															46.3	36	148.0	150
															93.0	72	161.8	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	128.7	150
															46.3	36	128.7	150
															93.0	72	135.5	150
															139.0	108	181.5	200
												2	3	4.8	—	—	138.3	150
															46.3	36	138.3	150
															93.0	72	147.5	175
															139.0	108	193.5	225
													5	7.6	—	—	143.9	175
															46.3	36	143.9	175
															93.0	72	154.5	175
															139.0	108	200.5	225
													7.5	11.0	—	—	150.7	175
															46.3	36	150.7	175
															93.0	72	163.0	175
															139.0	108	209.0	225
													10	14.0	—	—	156.7	175
															46.3	36	156.7	175
															93.0	72	170.5	175
															139.0	108	216.5	225
										30	40.0	—	—	—	—	—	136.2	175
															46.3	36	136.2	175
															93.0	72	143.0	175
															139.0	108	189.0	225
												2	3	4.8	—	—	145.8	175
															46.3	36	145.8	175
															93.0	72	155.0	175
															139.0	108	201.0	225
													5	7.6	—	—	151.4	175
															46.3	36	151.4	175
															93.0	72	162.0	175
															139.0	108	208.0	225
													7.5	11.0	—	—	158.2	175
															46.3	36	158.2	175
															93.0	72	170.5	200
															139.0	108	216.5	250
													10	14.0	—	—	164.2	200
															46.3	36	164.2	200
															93.0	72	178.0	200
															139.0	108	224.0	250

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	12.8	80	2	14.7	100	4	2.6 (ea)	7 1/2	9.0	—	—	—	—	—	78.1	90
															36.0	36	78.1	90
															72.0	72	83.3	90
															108.0	108	119.3	125
												2	3	3.9	—	—	85.9	100
															36.0	36	85.9	100
															72.0	72	93.0	100
															108.0	108	129.0	150
													5	6.1	—	—	90.3	100
															36.0	36	90.3	100
															72.0	72	98.5	110
															108.0	108	134.5	150
													7.5	9.0	—	—	96.1	110
															36.0	36	96.1	110
															72.0	72	105.8	110
															108.0	108	141.8	150
													10	11.0	—	—	100.1	110
															36.0	36	100.1	110
															72.0	72	110.8	125
															108.0	108	146.8	150
										10	11.0	—	—	—	—	—	80.1	90
															36.0	36	80.1	90
															72.0	72	85.8	100
															108.0	108	121.8	125
												2	3	3.9	—	—	87.9	100
															36.0	36	87.9	100
															72.0	72	95.5	100
															108.0	108	131.5	150
													5	6.1	—	—	92.3	100
															36.0	36	92.3	100
															72.0	72	101.0	110
															108.0	108	137.0	150
													7.5	9.0	—	—	98.1	110
															36.0	36	98.1	110
															72.0	72	108.3	110
															108.0	108	144.3	150
													10	11.0	—	—	102.1	110
															36.0	36	102.1	110
															72.0	72	113.3	125
															108.0	108	149.3	150
										15	17.0	—	—	—	—	—	86.7	100
															36.0	36	86.7	100
															72.0	72	93.3	110
															108.0	108	129.3	150
												2	3	3.9	—	—	94.5	110
															36.0	36	94.5	110
															72.0	72	103.0	110
															108.0	108	139.0	150
													5	6.1	—	—	98.9	110
															36.0	36	98.9	110
															72.0	72	108.5	110
															108.0	108	144.5	150
													7.5	9.0	—	—	104.7	110
															36.0	36	104.7	110
															72.0	72	115.8	125
															108.0	108	151.8	175
													10	11.0	—	—	108.7	125
															36.0	36	108.7	125
															72.0	72	120.8	125
															108.0	108	156.8	175

See page 78 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5050 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	12.8	80	2	14.7	100	4	2.6 (ea)	20	22.0	—	—	—	—	—	92.9	110
															36.0	36	92.9	110
															72.0	72	99.5	110
															108.0	108	135.5	150
												2	3	3.9	—	—	100.7	110
															36.0	36	100.7	110
															72.0	72	109.3	125
															108.0	108	145.3	150
													5	6.1	—	—	105.1	125
															36.0	36	105.1	125
															72.0	72	114.8	125
															108.0	108	150.8	175
													7.5	9.0	—	—	110.9	125
															36.0	36	110.9	125
															72.0	72	122.0	125
															108.0	108	158.0	175
													10	11.0	—	—	114.9	125
															36.0	36	114.9	125
															72.0	72	127.0	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	99.2	125
															36.0	36	99.2	125
															72.0	72	105.8	125
															108.0	108	141.8	150
												2	3	3.9	—	—	107.0	125
															36.0	36	107.0	125
															72.0	72	115.5	125
															108.0	108	151.5	175
													5	6.1	—	—	111.4	125
															36.0	36	111.4	125
															72.0	72	121.0	125
															108.0	108	157.0	175
													7.5	9.0	—	—	117.2	125
															36.0	36	117.2	125
															72.0	72	128.3	150
															108.0	108	164.3	175
													10	11.0	—	—	121.2	125
															36.0	36	121.2	125
															72.0	72	133.3	150
															108.0	108	169.3	175
										30	32.0	—	—	—	—	—	105.4	125
															36.0	36	105.4	125
															72.0	72	112.0	125
															108.0	108	148.0	175
												2	3	3.9	—	—	113.2	125
															36.0	36	113.2	125
															72.0	72	121.8	150
															108.0	108	157.8	175
													5	6.1	—	—	117.6	125
															36.0	36	117.6	125
															72.0	72	127.3	150
															108.0	108	163.3	175
													7.5	9.0	—	—	123.4	150
															36.0	36	123.4	150
															72.0	72	134.5	150
															108.0	108	170.5	175
													10	11.0	—	—	127.4	150
															36.0	36	127.4	150
															72.0	72	139.5	150
															108.0	108	175.5	200

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	48.1	245	2	48.1	245	4	6.6 (ea)	15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	277.0/ 272.8 277.0/ 272.8 277.0/ 272.8 294.4/ 325.5	300/ 300 300/ 300 300/ 300 300/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	310.4/ 303.2 310.4/ 303.2 310.4/ 303.2 336.1/ 363.5	350/ 350 350/ 350 350/ 350 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	325.4/ 316.8 325.4/ 316.8 325.4/ 316.8 354.9/ 380.5	350/ 350 350/ 350 350/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	338.6/ 328.8 338.6/ 328.8 338.6/ 328.8 371.4/ 395.5	350/ 350 350/ 350 350/ 350 400/ 400
										20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	293.1/ 286.3 293.1/ 286.3 293.1/ 286.3 310.9/ 340.5	350/ 300 350/ 300 350/ 300 350/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	326.5/ 316.7 326.5/ 316.7 326.5/ 316.7 352.6/ 378.5	350/ 350 350/ 350 350/ 350 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	341.5/ 330.3 341.5/ 330.3 341.5/ 330.3 371.4/ 395.5	400/ 350 400/ 350 400/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	354.7/ 342.3 354.7/ 342.3 354.7/ 342.3 387.9/ 410.5	400/ 350 400/ 350 400/ 350 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	312.3/ 303.8 312.3/ 303.8 312.3/ 303.8 330.1/ 358.0	350/ 350 350/ 350 350/ 350 400/ 400
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	345.7/ 334.2 345.7/ 334.2 345.7/ 334.2 371.9/ 396.0	400/ 400 400/ 400 400/ 400 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	360.7/ 347.8 360.7/ 347.8 360.7/ 347.8 390.6/ 413.0	400/ 400 400/ 400 400/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	373.9/ 359.8 373.9/ 359.8 373.9/ 359.8 407.1/ 428.0	400/ 400 400/ 400 400/ 400 450/ 450

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	48.1	245	2	48.1	245	4	6.6 (ea)	30	88 / 80	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	328.8/ 318.8 328.8/ 318.8 328.8/ 318.8 346.6/ 373.0	400/ 350 400/ 350 400/ 350 400/ 450
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	362.2/ 349.2 362.2/ 349.2 362.2/ 349.2 388.4/ 411.0	450/ 400 450/ 400 450/ 400 450/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	377.2/ 362.8 377.2/ 362.8 377.2/ 362.8 407.1/ 428.0	450/ 400 450/ 400 450/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	390.4/ 374.8 390.4/ 374.8 390.4/ 374.8 423.6/ 443.0	450/ 450 450/ 450 450/ 450 450/ 500
										40	114 / 104	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	361.3/ 348.8 361.3/ 348.8 361.3/ 348.8 379.1/ 403.0	450/ 450 450/ 450 450/ 450 450/ 500
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	394.7/ 379.2 394.7/ 379.2 394.7/ 379.2 420.9/ 441.0	500/ 450 500/ 450 500/ 450 500/ 500
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	409.7/ 392.8 409.7/ 392.8 409.7/ 392.8 439.6/ 458.0	500/ 450 500/ 450 500/ 450 500/ 500
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	422.9/ 404.8 422.9/ 404.8 422.9/ 404.8 456.1/ 473.0	500/ 500 500/ 500 500/ 500 500/ 500

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	23.7	145	2	23.7	145	4	3.9 (ea)	15	24.5	—	—	—	—	—	141.0	150
															38.3	36	141.0	150
															76.8	72	141.0	150
															114.7	108	145.3	150
												2	5	9.1	—	—	159.2	175
															38.3	36	159.2	175
															76.8	72	159.2	175
															114.7	108	168.1	175
													7.5	12.5	—	—	166.0	175
															38.3	36	166.0	175
															76.8	72	166.0	175
															114.7	108	176.6	200
													10	16.7	—	—	174.4	175
															38.3	36	174.4	175
															76.8	72	174.4	175
															114.7	108	187.1	200
										20	30.0	—	—	—	—	—	147.9	175
															38.3	36	147.9	175
															76.8	72	147.9	175
															114.7	108	152.2	175
												2	5	9.1	—	—	166.1	175
															38.3	36	166.1	175
															76.8	72	166.1	175
															114.7	108	175.0	200
													7.5	12.5	—	—	172.9	200
															38.3	36	172.9	200
															76.8	72	172.9	200
															114.7	108	183.5	200
													10	16.7	—	—	181.3	200
															38.3	36	181.3	200
															76.8	72	181.3	200
															114.7	108	194.0	200
										25	38.0	—	—	—	—	—	157.9	175
															38.3	36	157.9	175
															76.8	72	157.9	175
															114.7	108	162.2	200
												2	5	9.1	—	—	176.1	200
															38.3	36	176.1	200
															76.8	72	176.1	200
															114.7	108	185.0	200
													7.5	12.5	—	—	182.9	200
															38.3	36	182.9	200
															76.8	72	182.9	200
															114.7	108	193.5	225
													10	16.7	—	—	191.3	225
															38.3	36	191.3	225
															76.8	72	191.3	225
															114.7	108	204.0	225

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	23.7	145	2	23.7	145	4	3.9 (ea)	30	43.5	—	—	—	—	—	164.8	200
															38.3	36	164.8	200
															76.8	72	164.8	200
															114.7	108	169.1	200
												2	5	9.1	—	—	183.0	225
															38.3	36	183.0	225
															76.8	72	183.0	225
															114.7	108	191.8	225
													7.5	12.5	—	—	189.8	225
															38.3	36	189.8	225
															76.8	72	189.8	225
															114.7	108	200.3	225
													10	16.7	—	—	198.2	225
															38.3	36	198.2	225
															76.8	72	198.2	225
															114.7	108	210.8	225
										40	56.2	—	—	—	—	—	180.7	225
															38.3	36	180.7	225
															76.8	72	180.7	225
															114.7	108	185.0	225
												2	5	9.1	—	—	198.9	250
															38.3	36	198.9	250
															76.8	72	198.9	250
															114.7	108	207.7	250
													7.5	12.5	—	—	205.7	250
															38.3	36	205.7	250
															76.8	72	205.7	250
															114.7	108	216.2	250
													10	16.7	—	—	214.1	250
															38.3	36	214.1	250
															76.8	72	214.1	250
															114.7	108	226.7	250

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	18.6	125	2	18.6	125	4	3.3 (ea)	15	21.0	—	—	—	—	—	113.9	125
															46.3	36	113.9	125
															93.0	72	119.3	125
															139.0	108	165.3	175
												2	5	7.6	—	—	129.1	150
															46.3	36	129.1	150
															93.0	72	138.3	150
															139.0	108	184.3	200
													7.5	11.0	—	—	135.9	150
															46.3	36	135.9	150
															93.0	72	146.8	150
															139.0	108	192.8	200
													10	14.0	—	—	141.9	150
															46.3	36	141.9	150
															93.0	72	154.3	175
															139.0	108	200.3	225
										20	27.0	—	—	—	—	—	121.4	125
															46.3	36	121.4	125
															93.0	72	126.8	150
															139.0	108	172.8	175
												2	5	7.6	—	—	136.6	150
															46.3	36	136.6	150
															93.0	72	145.8	150
															139.0	108	191.8	200
													7.5	11.0	—	—	143.4	150
															46.3	36	143.4	150
															93.0	72	154.3	175
															139.0	108	200.3	225
													10	14.0	—	—	149.4	175
															46.3	36	149.4	175
															93.0	72	161.8	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	130.1	150
															46.3	36	130.1	150
															93.0	72	135.5	150
															139.0	108	181.5	200
												2	5	7.6	—	—	145.3	175
															46.3	36	145.3	175
															93.0	72	154.5	175
															139.0	108	200.5	225
													7.5	11.0	—	—	152.1	175
															46.3	36	152.1	175
															93.0	72	163.0	175
															139.0	108	209.0	225
													10	14.0	—	—	158.1	175
															46.3	36	158.1	175
															93.0	72	170.5	175
															139.0	108	216.5	225

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	18.6	125	2	18.6	125	4	3.3 (ea)	30	40.0	—	—	—	—	—	137.6	175
															46.3	36	137.6	175
															93.0	72	143.0	175
															139.0	108	189.0	225
												2	5	7.6	—	—	152.8	175
															46.3	36	152.8	175
															93.0	72	162.0	175
															139.0	108	208.0	225
													7.5	11.0	—	—	159.6	175
															46.3	36	159.6	175
															93.0	72	170.5	200
															139.0	108	216.5	250
													10	14.0	—	—	165.6	200
															46.3	36	165.6	200
															93.0	72	178.0	200
															139.0	108	224.0	250
										40	52.0	—	—	—	—	—	152.6	200
															46.3	36	152.6	200
															93.0	72	158.0	200
															139.0	108	204.0	250
												2	5	7.6	—	—	167.8	200
															46.3	36	167.8	200
															93.0	72	177.0	225
															139.0	108	223.0	250
													7.5	11.0	—	—	174.6	225
															46.3	36	174.6	225
															93.0	72	185.5	225
															139.0	108	231.5	250
													10	14.0	—	—	180.6	225
															46.3	36	180.6	225
															93.0	72	193.0	225
															139.0	108	239.0	250

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	14.7	100	2	14.7	100	4	2.6 (ea)	15	17.0	—	—	—	—	—	90.5	100
															36.0	36	90.5	100
															72.0	72	93.3	110
															108.0	108	129.3	150
												2	5	6.1	—	—	102.7	110
															36.0	36	102.7	110
															72.0	72	108.5	110
															108.0	108	144.5	150
													7.5	9.0	—	—	108.5	125
															36.0	36	108.5	125
															72.0	72	115.8	125
															108.0	108	151.8	175
													10	11.0	—	—	112.5	125
															36.0	36	112.5	125
															72.0	72	120.8	125
															108.0	108	156.8	175
										20	22.0	—	—	—	—	—	96.7	110
															36.0	36	96.7	110
															72.0	72	99.5	110
															108.0	108	135.5	150
												2	5	6.1	—	—	108.9	125
															36.0	36	108.9	125
															72.0	72	114.8	125
															108.0	108	150.8	175
													7.5	9.0	—	—	114.7	125
															36.0	36	114.7	125
															72.0	72	122.0	125
															108.0	108	158.0	175
													10	11.0	—	—	118.7	125
															36.0	36	118.7	125
															72.0	72	127.0	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	103.0	125
															36.0	36	103.0	125
															72.0	72	105.8	125
															108.0	108	141.8	150
												2	5	6.1	—	—	115.2	125
															36.0	36	115.2	125
															72.0	72	121.0	125
															108.0	108	157.0	175
													7.5	9.0	—	—	121.0	125
															36.0	36	121.0	125
															72.0	72	128.3	150
															108.0	108	164.3	175
													10	11.0	—	—	125.0	150
															36.0	36	125.0	150
															72.0	72	133.3	150
															108.0	108	169.3	175

See page 78 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5055 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	14.7	100	2	14.7	100	4	2.6 (ea)	30	32.0	—	—	—	—	—	109.2	125
															36.0	36	109.2	125
															72.0	72	112.0	125
															108.0	108	148.0	175
												2	5	6.1	—	—	121.4	150
															36.0	36	121.4	150
															72.0	72	127.3	150
															108.0	108	163.3	175
													7.5	9.0	—	—	127.2	150
															36.0	36	127.2	150
															72.0	72	134.5	150
															108.0	108	170.5	175
													10	11.0	—	—	131.2	150
															36.0	36	131.2	150
															72.0	72	139.5	150
															108.0	108	175.5	200
										40	41.0	—	—	—	—	—	120.5	150
															36.0	36	120.5	150
															72.0	72	123.3	150
															108.0	108	159.3	200
												2	5	6.1	—	—	132.7	150
															36.0	36	132.7	150
															72.0	72	138.5	175
															108.0	108	174.5	200
													7.5	9.0	—	—	138.5	175
															36.0	36	138.5	175
															72.0	72	145.8	175
															108.0	108	181.8	200
													10	11.0	—	—	142.5	175
															36.0	36	142.5	175
															72.0	72	150.8	175
															108.0	108	186.8	200

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	51.3	300	2	51.3	300	4	6.6 (ea)	15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	290.6/ 286.4 290.6/ 286.4 290.6/ 286.4 294.4/ 325.5	300/ 300 300/ 300 300/ 300 300/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	324.0/ 316.8 324.0/ 316.8 324.0/ 316.8 336.1/ 363.5	350/ 350 350/ 350 350/ 350 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	339.0/ 330.4 339.0/ 330.4 339.0/ 330.4 354.9/ 380.5	350/ 350 350/ 350 350/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	352.2/ 342.4 352.2/ 342.4 352.2/ 342.4 371.4/ 395.5	400/ 350 400/ 350 400/ 350 400/ 400
										20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	305.9/ 299.1 305.9/ 299.1 305.9/ 299.1 310.9/ 340.5	350/ 350 350/ 350 350/ 350 350/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	339.3/ 329.5 339.3/ 329.5 339.3/ 329.5 352.6/ 378.5	350/ 350 350/ 350 350/ 350 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	354.3/ 343.1 354.3/ 343.1 354.3/ 343.1 371.4/ 395.5	400/ 350 400/ 350 400/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	367.5/ 355.1 367.5/ 355.1 367.5/ 355.1 387.9/ 410.5	400/ 400 400/ 400 400/ 400 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	325.1/ 316.6 325.1/ 316.6 325.1/ 316.6 330.1/ 358.0	350/ 350 350/ 350 350/ 350 400/ 400
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	358.5/ 347.0 358.5/ 347.0 358.5/ 347.0 371.9/ 396.0	400/ 400 400/ 400 400/ 400 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	373.5/ 360.6 373.5/ 360.6 373.5/ 360.6 390.6/ 413.0	400/ 400 400/ 400 400/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	386.7/ 372.6 386.7/ 372.6 386.7/ 372.6 407.1/ 428.0	450/ 400 450/ 400 450/ 400 450/ 450

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	51.3	300	2	51.3	300	4	6.6 (ea)	30	88 / 80	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	341.6/ 331.6 341.6/ 331.6 341.6/ 331.6 346.6/ 373.0	400/ 400 400/ 400 400/ 400 400/ 450
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	375.0/ 362.0 375.0/ 362.0 375.0/ 362.0 388.4/ 411.0	450/ 400 450/ 400 450/ 400 450/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	390.0/ 375.6 390.0/ 375.6 390.0/ 375.6 407.1/ 428.0	450/ 450 450/ 450 450/ 450 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	403.2/ 387.6 403.2/ 387.6 403.2/ 387.6 423.6/ 443.0	450/ 450 450/ 450 450/ 450 450/ 500
										40	114 / 104	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	374.1/ 361.6 374.1/ 361.6 374.1/ 361.6 379.1/ 403.0	450/ 450 450/ 450 450/ 450 450/ 500
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	407.5/ 392.0 407.5/ 392.0 407.5/ 392.0 420.9/ 441.0	500/ 450 500/ 450 500/ 450 500/ 500
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	422.5/ 405.6 422.5/ 405.6 422.5/ 405.6 439.6/ 458.0	500/ 500 500/ 500 500/ 500 500/ 500
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	435.7/ 417.6 435.7/ 417.6 435.7/ 417.6 456.1/ 473.0	500/ 500 500/ 500 500/ 500 500/ 500

LEGEND

FLA — Full Load Amps
HACR — Heating, Air Conditioning and Refrigeration
Hp — Nominal Horsepower
LRA — Locked Rotor Amps
MCA — Minimum Circuit Amps (for wire sizing)
RLA — Rated Load Amps

* Used to determine minimum disconnect per NEC (National Electrical Code).

NOTE: Electric resistance heaters are rated at 230-v (for 208/230-v use), 380-v, 460-v, and 575-v. To determine heater capacity (kW) at other unit operating voltage, multiply heater nominal capacity by appropriate multiplier at right.

MULTIPLICATION FACTORS

HEATER kW RATING (VOLTS)	VOLTAGE DISTRIBUTION V-3-60	MULTIPLICATION FACTOR
230	200	0.756
	208	0.818
	230	1.000
	240	1.089
380	360	0.897
	380	1.000
	400	1.108
460	440	0.914
	460	1.000
	480	1.089
575	550	0.915
	575	1.000
	600	1.089

Electric heaters are tested and ETL approved at maximum total external static pressure of 1.9 in. wg.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	26.9	139	2	26.9	139	4	3.9 (ea)	15	24.5	—	—	—	—	—	154.4	175
															38.3	36	154.4	175
															76.8	72	154.4	175
															114.7	108	154.4	175
												2	5	9.1	—	—	172.6	175
															38.3	36	172.6	175
															76.8	72	172.6	175
															114.7	108	172.6	175
													7.5	12.5	—	—	179.4	200
															38.3	36	179.4	200
															76.8	72	179.4	200
															114.7	108	179.4	200
													10	16.7	—	—	187.8	200
															38.3	36	187.8	200
															76.8	72	187.8	200
															114.7	108	187.8	200
										20	30.0	—	—	—	—	—	160.7	175
															38.3	36	160.7	175
															76.8	72	160.7	175
															114.7	108	160.7	175
												2	5	9.1	—	—	178.9	200
															38.3	36	178.9	200
															76.8	72	178.9	200
															114.7	108	178.9	200
													7.5	12.5	—	—	185.7	200
															38.3	36	185.7	200
															76.8	72	185.7	200
															114.7	108	185.7	200
													10	16.7	—	—	194.1	200
															38.3	36	194.1	200
															76.8	72	194.1	200
															114.7	108	194.1	200
										25	38.0	—	—	—	—	—	170.7	200
															38.3	36	170.7	200
															76.8	72	170.7	200
															114.7	108	170.7	200
												2	5	9.1	—	—	188.9	225
															38.3	36	188.9	225
															76.8	72	188.9	225
															114.7	108	188.9	225
													7.5	12.5	—	—	195.7	225
															38.3	36	195.7	225
															76.8	72	195.7	225
															114.7	108	195.7	225
													10	16.7	—	—	204.1	225
															38.3	36	204.1	225
															76.8	72	204.1	225
															114.7	108	204.1	225

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	26.9	139	2	26.9	139	4	3.9 (ea)	30	43.5	—	—	—	—	—	177.6	200
															38.3	36	177.6	200
															76.8	72	177.6	200
															114.7	108	177.6	200
												2	5	9.1	—	—	195.8	225
															38.3	36	195.8	225
															76.8	72	195.8	225
															114.7	108	195.8	225
													7.5	12.5	—	—	202.6	225
															38.3	36	202.6	225
															76.8	72	202.6	225
															114.7	108	202.6	225
													10	16.7	—	—	211.0	250
															38.3	36	211.0	250
															76.8	72	211.0	250
															114.7	108	211.0	250
										40	56.2	—	—	—	—	—	193.5	225
															38.3	36	193.5	225
															76.8	72	193.5	225
															114.7	108	193.5	225
												2	5	9.1	—	—	211.7	250
															38.3	36	211.7	250
															76.8	72	211.7	250
															114.7	108	211.7	250
													7.5	12.5	—	—	218.5	250
															38.3	36	218.5	250
															76.8	72	218.5	250
															114.7	108	218.5	250
													10	16.7	—	—	226.9	250
															38.3	36	226.9	250
															76.8	72	226.9	250
															114.7	108	226.9	250

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	23.1	150	2	23.1	150	4	3.3 (ea)	15	21.0	—	—	—	—	—	132.4	150
															46.3	36	132.4	150
															93.0	72	132.4	150
															139.0	108	165.3	175
												2	5	7.6	—	—	147.6	150
															46.3	36	147.6	150
															93.0	72	147.6	150
															139.0	108	184.3	200
													7.5	11.0	—	—	154.4	175
															46.3	36	154.4	175
															93.0	72	154.4	175
															139.0	108	192.8	200
													10	14.0	—	—	160.4	175
															46.3	36	160.4	175
															93.0	72	160.4	175
															139.0	108	200.3	225
										20	27.0	—	—	—	—	—	139.4	150
															46.3	36	139.4	150
															93.0	72	139.4	150
															139.0	108	172.8	175
												2	5	7.6	—	—	154.6	175
															46.3	36	154.6	175
															93.0	72	154.6	175
															139.0	108	191.8	200
													7.5	11.0	—	—	161.4	175
															46.3	36	161.4	175
															93.0	72	161.4	175
															139.0	108	200.3	225
													10	14.0	—	—	167.4	175
															46.3	36	167.4	175
															93.0	72	167.4	175
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	148.1	175
															46.3	36	148.1	175
															93.0	72	148.1	175
															139.0	108	181.5	200
												2	5	7.6	—	—	163.3	175
															46.3	36	163.3	175
															93.0	72	163.3	175
															139.0	108	200.5	225
													7.5	11.0	—	—	170.1	200
															46.3	36	170.1	200
															93.0	72	170.1	200
															139.0	108	209.0	225
													10	14.0	—	—	176.1	200
															46.3	36	176.1	200
															93.0	72	176.1	200
															139.0	108	216.5	225

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	23.1	150	2	23.1	150	4	3.3 (ea)	30	40.0	—	—	—	—	—	155.6	175
															46.3	36	155.6	175
															93.0	72	155.6	175
															139.0	108	189.0	225
												2	5	7.6	—	—	170.8	200
															46.3	36	170.8	200
															93.0	72	170.8	200
															139.0	108	208.0	225
													7.5	11.0	—	—	177.6	200
															46.3	36	177.6	200
															93.0	72	177.6	200
															139.0	108	216.5	250
													10	14.0	—	—	183.6	200
															46.3	36	183.6	200
															93.0	72	183.6	200
															139.0	108	224.0	250
										40	52.0	—	—	—	—	—	170.6	200
															46.3	36	170.6	200
															93.0	72	170.6	200
															139.0	108	204.0	250
												2	5	7.6	—	—	185.8	225
															46.3	36	185.8	225
															93.0	72	185.8	225
															139.0	108	223.0	250
													7.5	11.0	—	—	192.6	225
															46.3	36	192.6	225
															93.0	72	192.6	225
															139.0	108	231.5	250
													10	14.0	—	—	198.6	250
															46.3	36	198.6	250
															93.0	72	198.6	250
															139.0	108	239.0	250

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	19.9	109	2	19.9	109	4	2.6 (ea)	15	17.0	—	—	—	—	—	112.0	125
															36.0	36	112.0	125
															72.0	72	112.0	125
															108.0	108	129.3	150
												2	5	6.1	—	—	124.2	125
															36.0	36	124.2	125
															72.0	72	124.2	125
															108.0	108	144.5	150
													7.5	9.0	—	—	130.0	150
															36.0	36	130.0	150
															72.0	72	130.0	150
															108.0	108	151.8	175
													10	11.0	—	—	134.0	150
															36.0	36	134.0	150
															72.0	72	134.0	150
															108.0	108	156.8	175
										20	22.0	—	—	—	—	—	117.5	125
															36.0	36	117.5	125
															72.0	72	117.5	125
															108.0	108	135.5	150
												2	5	6.1	—	—	129.7	150
															36.0	36	129.7	150
															72.0	72	129.7	150
															108.0	108	150.8	175
													7.5	9.0	—	—	135.5	150
															36.0	36	135.5	150
															72.0	72	135.5	150
															108.0	108	158.0	175
													10	11.0	—	—	139.5	150
															36.0	36	139.5	150
															72.0	72	139.5	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	123.8	150
															36.0	36	123.8	150
															72.0	72	123.8	150
															108.0	108	141.8	150
												2	5	6.1	—	—	136.0	150
															36.0	36	136.0	150
															72.0	72	136.0	150
															108.0	108	157.0	175
													7.5	9.0	—	—	141.8	150
															36.0	36	141.8	150
															72.0	72	141.8	150
															108.0	108	164.3	175
													10	11.0	—	—	145.8	150
															36.0	36	145.8	150
															72.0	72	145.8	150
															108.0	108	169.3	175

See page 78 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5060 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	19.9	109	2	19.9	109	4	2.6 (ea)	30	32.0	—	—	—	—	—	130.0	150
															36.0	36	130.0	150
															72.0	72	130.0	150
															108.0	108	148.0	175
												2	5	6.1	—	—	142.2	150
															36.0	36	142.2	150
															72.0	72	142.2	150
															108.0	108	163.3	175
													7.5	9.0	—	—	148.0	175
															36.0	36	148.0	175
															72.0	72	148.0	175
															108.0	108	170.5	175
													10	11.0	—	—	152.0	175
															36.0	36	152.0	175
															72.0	72	152.0	175
															108.0	108	175.5	200
										40	41.0	—	—	—	—	—	141.3	175
															36.0	36	141.3	175
															72.0	72	141.3	175
															108.0	108	159.3	200
												2	5	6.1	—	—	153.5	175
															36.0	36	153.5	175
															72.0	72	153.5	175
															108.0	108	174.5	200
													7.5	9.0	—	—	159.3	200
															36.0	36	159.3	200
															72.0	72	159.3	200
															108.0	108	181.8	200
													10	11.0	—	—	163.3	200
															36.0	36	163.3	200
															72.0	72	163.3	200
															108.0	108	186.8	200

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units

208/230-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	51.3	300	2	55.8	340	4	6.6 (ea)	15	46.2 / 42.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	300.8/ 296.6 300.8/ 296.6 300.8/ 296.6 300.8/ 325.5	350/ 350 350/ 350 350/ 350 350/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	334.2/ 327.0 334.2/ 327.0 334.2/ 327.0 336.1/ 363.5	350/ 350 350/ 350 350/ 350 350/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	349.2/ 340.6 349.2/ 340.6 349.2/ 340.6 354.9/ 380.5	400/ 350 400/ 350 400/ 350 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	362.4/ 352.6 362.4/ 352.6 362.4/ 352.6 371.4/ 395.5	400/ 400 400/ 400 400/ 400 400/ 400
										20	59.4 / 54.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	314.9/ 308.6 314.9/ 308.6 314.9/ 308.6 314.9/ 340.5	350/ 350 350/ 350 350/ 350 350/ 350
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	348.3/ 339.0 348.3/ 339.0 348.3/ 339.0 352.6/ 378.5	400/ 350 400/ 350 400/ 350 400/ 400
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	363.3/ 352.6 363.3/ 352.6 363.3/ 352.6 371.4/ 395.5	400/ 400 400/ 400 400/ 400 400/ 400
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	376.5/ 364.6 376.5/ 364.6 376.5/ 364.6 387.9/ 410.5	400/ 400 400/ 400 400/ 400 400/ 450
										25	74.8 / 68.0	—	—	— / —	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	334.1/ 325.6 334.1/ 325.6 334.1/ 325.6 334.1/ 358.0	400/ 350 400/ 350 400/ 350 400/ 400
												2	5	16.7 / 15.2	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	367.5/ 356.0 367.5/ 356.0 367.5/ 356.0 371.9/ 396.0	400/ 400 400/ 400 400/ 400 400/ 450
													7.5	24.2 / 22.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	382.5/ 369.6 382.5/ 369.6 382.5/ 369.6 390.6/ 413.0	450/ 400 450/ 400 450/ 400 450/ 450
													10	30.8 / 28.0	— 78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	— 36/ 36 72/ 72 108/ 108	395.7/ 381.6 395.7/ 381.6 395.7/ 381.6 407.1/ 428.0	450/ 400 450/ 400 450/ 400 450/ 450

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

208/230-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR No. A1			COMPRESSOR No. B1			CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
187	253	2	51.3	300	2	55.8	340	4	6.6 (ea)	30	88 / 80	—	—	— / —	—	—	350.6/ 340.6	400/ 400
															78.9/ 90.0	36/ 36	350.6/ 340.6	400/ 400
															157.7/ 182.0	72/ 72	350.6/ 340.6	400/ 400
															236.6/ 273.0	108/ 108	350.6/ 373.0	400/ 450
												2	5	16.7 / 15.2	—	—	384.0/ 371.0	450/ 450
															78.9/ 90.0	36/ 36	384.0/ 371.0	450/ 450
															157.7/ 182.0	72/ 72	384.0/ 371.0	450/ 450
															236.6/ 273.0	108/ 108	388.4/ 411.0	450/ 450
													7.5	24.2 / 22.0	—	—	399.0/ 384.6	450/ 450
															78.9/ 90.0	36/ 36	399.0/ 384.6	450/ 450
															157.7/ 182.0	72/ 72	399.0/ 384.6	450/ 450
															236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450
													10	30.8 / 28.0	—	—	412.2/ 396.6	500/ 450
															78.9/ 90.0	36/ 36	412.2/ 396.6	500/ 450
															157.7/ 182.0	72/ 72	412.2/ 396.6	500/ 450
															236.6/ 273.0	108/ 108	423.6/ 443.0	500/ 500
										40	114 / 104	—	—	— / —	—	—	383.1/ 370.6	450/ 450
															78.9/ 90.0	36/ 36	383.1/ 370.6	450/ 450
															157.7/ 182.0	72/ 72	383.1/ 370.6	450/ 450
															236.6/ 273.0	108/ 108	383.1/ 403.0	450/ 500
												2	5	16.7 / 15.2	—	—	416.5/ 401.0	500/ 500
															78.9/ 90.0	36/ 36	416.5/ 401.0	500/ 500
															157.7/ 182.0	72/ 72	416.5/ 401.0	500/ 500
															236.6/ 273.0	108/ 108	420.9/ 441.0	500/ 500
													7.5	24.2 / 22.0	—	—	431.5/ 414.6	500/ 500
															78.9/ 90.0	36/ 36	431.5/ 414.6	500/ 500
															157.7/ 182.0	72/ 72	431.5/ 414.6	500/ 500
															236.6/ 273.0	108/ 108	439.6/ 458.0	500/ 500
													10	30.8 / 28.0	—	—	444.7/ 426.6	500/ 500
															78.9/ 90.0	36/ 36	444.7/ 426.6	500/ 500
															157.7/ 182.0	72/ 72	444.7/ 426.6	500/ 500
															236.6/ 273.0	108/ 108	456.1/ 473.0	500/ 500

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

380-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	26.9	139	2	34	196	4	3.9 (ea)	15	24.5	—	—	—	—	—	170.4	200
															38.3	36	170.4	200
															76.8	72	170.4	200
															114.7	108	170.4	200
												2	5	9.1	—	—	188.6	200
															38.3	36	188.6	200
															76.8	72	188.6	200
															114.7	108	188.6	200
													7.5	12.5	—	—	195.4	225
															38.3	36	195.4	225
															76.8	72	195.4	225
															114.7	108	195.4	225
													10	16.7	—	—	203.8	225
															38.3	36	203.8	225
															76.8	72	203.8	225
															114.7	108	203.8	225
										20	30.0	—	—	—	—	—	175.9	200
															38.3	36	175.9	200
															76.8	72	175.9	200
															114.7	108	175.9	200
												2	5	9.1	—	—	194.1	225
															38.3	36	194.1	225
															76.8	72	194.1	225
															114.7	108	194.1	225
													7.5	12.5	—	—	200.9	225
															38.3	36	200.9	225
															76.8	72	200.9	225
															114.7	108	200.9	225
													10	16.7	—	—	209.3	225
															38.3	36	209.3	225
															76.8	72	209.3	225
															114.7	108	209.3	225
										25	38.0	—	—	—	—	—	184.9	200
															38.3	36	184.9	200
															76.8	72	184.9	200
															114.7	108	184.9	200
												2	5	9.1	—	—	203.1	225
															38.3	36	203.1	225
															76.8	72	203.1	225
															114.7	108	203.1	225
													7.5	12.5	—	—	209.9	225
															38.3	36	209.9	225
															76.8	72	209.9	225
															114.7	108	209.9	225
													10	16.7	—	—	218.3	250
															38.3	36	218.3	250
															76.8	72	218.3	250
															114.7	108	218.3	250

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

380-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
342	418	2	26.9	139	2	34	196	4	3.9 (ea)	30	43.5	—	—	—	—	—	191.8	225
															38.3	36	191.8	225
															76.8	72	191.8	225
															114.7	108	191.8	225
												2	5	9.1	—	—	210.0	250
															38.3	36	210.0	250
															76.8	72	210.0	250
															114.7	108	210.0	250
													7.5	12.5	—	—	216.8	250
															38.3	36	216.8	250
															76.8	72	216.8	250
															114.7	108	216.8	250
													10	16.7	—	—	225.2	250
															38.3	36	225.2	250
															76.8	72	225.2	250
															114.7	108	225.2	250
										40	56.2	—	—	—	—	—	207.7	250
															38.3	36	207.7	250
															76.8	72	207.7	250
															114.7	108	207.7	250
												2	5	9.1	—	—	225.9	250
															38.3	36	225.9	250
															76.8	72	225.9	250
															114.7	108	225.9	250
													7.5	12.5	—	—	232.7	250
															38.3	36	232.7	250
															76.8	72	232.7	250
															114.7	108	232.7	250
													10	16.7	—	—	241.1	250
															38.3	36	241.1	250
															76.8	72	241.1	250
															114.7	108	241.1	250

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	23.1	150	2	26.9	179	4	3.3 (ea)	15	21.0	—	—	—	—	—	140.9	150
															46.3	36	140.9	150
															93.0	72	140.9	150
															139.0	108	165.3	175
												2	5	7.6	—	—	156.1	175
															46.3	36	156.1	175
															93.0	72	156.1	175
															139.0	108	184.3	200
													7.5	11.0	—	—	162.9	175
															46.3	36	162.9	175
															93.0	72	162.9	175
															139.0	108	192.8	200
													10	14.0	—	—	168.9	175
															46.3	36	168.9	175
															93.0	72	168.9	175
															139.0	108	200.3	225
										20	27.0	—	—	—	—	—	147.0	150
															46.3	36	147.0	150
															93.0	72	147.0	150
															139.0	108	172.8	175
												2	5	7.6	—	—	162.2	175
															46.3	36	162.2	175
															93.0	72	162.2	175
															139.0	108	191.8	200
													7.5	11.0	—	—	169.0	175
															46.3	36	169.0	175
															93.0	72	169.0	175
															139.0	108	200.3	225
													10	14.0	—	—	175.0	200
															46.3	36	175.0	200
															93.0	72	175.0	200
															139.0	108	207.8	225
										25	34.0	—	—	—	—	—	155.7	175
															46.3	36	155.7	175
															93.0	72	155.7	175
															139.0	108	181.5	200
												2	5	7.6	—	—	170.9	200
															46.3	36	170.9	200
															93.0	72	170.9	200
															139.0	108	200.5	225
													7.5	11.0	—	—	177.7	200
															46.3	36	177.7	200
															93.0	72	177.7	200
															139.0	108	209.0	225
													10	14.0	—	—	183.7	200
															46.3	36	183.7	200
															93.0	72	183.7	200
															139.0	108	216.5	225

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	23.1	150	2	26.9	179	4	3.3 (ea)	30	40.0	—	—	—	—	—	163.2	200
															46.3	36	163.2	200
															93.0	72	163.2	200
															139.0	108	189.0	225
												2	5	7.6	—	—	178.4	200
															46.3	36	178.4	200
															93.0	72	178.4	200
															139.0	108	208.0	225
													7.5	11.0	—	—	185.2	225
															46.3	36	185.2	225
															93.0	72	185.2	225
															139.0	108	216.5	250
													10	14.0	—	—	191.2	225
															46.3	36	191.2	225
															93.0	72	191.2	225
															139.0	108	224.0	250
										40	52.0	—	—	—	—	—	178.2	225
															46.3	36	178.2	225
															93.0	72	178.2	225
															139.0	108	204.0	250
												2	5	7.6	—	—	193.4	225
															46.3	36	193.4	225
															93.0	72	193.4	225
															139.0	108	223.0	250
													7.5	11.0	—	—	200.2	250
															46.3	36	200.2	250
															93.0	72	200.2	250
															139.0	108	231.5	250
													10	14.0	—	—	206.2	250
															46.3	36	206.2	250
															93.0	72	206.2	250
															139.0	108	239.0	250

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	19.9	109	2	23.7	132	4	2.6 (ea)	15	17.0	—	—	—	—	—	120.5	125
															36.0	36	120.5	125
															72.0	72	120.5	125
															108.0	108	129.3	150
												2	5	6.1	—	—	132.7	150
															36.0	36	132.7	150
															72.0	72	132.7	150
															108.0	108	144.5	150
													7.5	9.0	—	—	138.5	150
															36.0	36	138.5	150
															72.0	72	138.5	150
															108.0	108	151.8	175
													10	11.0	—	—	142.5	150
															36.0	36	142.5	150
															72.0	72	142.5	150
															108.0	108	156.8	175
										20	22.0	—	—	—	—	—	125.5	150
															36.0	36	125.5	150
															72.0	72	125.5	150
															108.0	108	135.5	150
												2	5	6.1	—	—	137.7	150
															36.0	36	137.7	150
															72.0	72	137.7	150
															108.0	108	150.8	175
													7.5	9.0	—	—	143.5	150
															36.0	36	143.5	150
															72.0	72	143.5	150
															108.0	108	158.0	175
													10	11.0	—	—	147.5	150
															36.0	36	147.5	150
															72.0	72	147.5	150
															108.0	108	163.0	175
										25	27.0	—	—	—	—	—	131.4	150
															36.0	36	131.4	150
															72.0	72	131.4	150
															108.0	108	141.8	150
												2	5	6.1	—	—	143.6	150
															36.0	36	143.6	150
															72.0	72	143.6	150
															108.0	108	157.0	175
													7.5	9.0	—	—	149.4	175
															36.0	36	149.4	175
															72.0	72	149.4	175
															108.0	108	164.3	175
													10	11.0	—	—	153.4	175
															36.0	36	153.4	175
															72.0	72	153.4	175
															108.0	108	169.3	175

See page 78 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5070 Units (cont)

575-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	19.9	109	2	23.7	132	4	2.6 (ea)	30	32.0	—	—	—	—	—	137.6	150
															36.0	36	137.6	150
															72.0	72	137.6	150
															108.0	108	148.0	175
												2	5	6.1	—	—	149.8	175
															36.0	36	149.8	175
															72.0	72	149.8	175
															108.0	108	163.3	175
													7.5	9.0	—	—	155.6	175
															36.0	36	155.6	175
															72.0	72	155.6	175
															108.0	108	170.5	175
													10	11.0	—	—	159.6	175
															36.0	36	159.6	175
															72.0	72	159.6	175
															108.0	108	175.5	200
										40	41.0	—	—	—	—	—	148.9	175
															36.0	36	148.9	175
															72.0	72	148.9	175
															108.0	108	159.3	200
												2	5	6.1	—	—	161.1	200
															36.0	36	161.1	200
															72.0	72	161.1	200
															108.0	108	174.5	200
													7.5	9.0	—	—	166.9	200
															36.0	36	166.9	200
															72.0	72	166.9	200
															108.0	108	181.8	200
													10	11.0	—	—	170.9	200
															36.0	36	170.9	200
															72.0	72	170.9	200
															108.0	108	186.8	200

See page 78 for legend and notes.

Table 18 — Electrical Data — 50P2,P3,P4,P5075 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	26.9	179	2	26.9	179	4	3.3 (ea)	30	40.0	—	—	—	— 130.0 260.0	— 108 216	170.8 180.0 310.0	200 200 350
												2	5	7.6	— 130.0 260.0	— 108 216	186.0 199.0 329.0	225 225 350
													7.5	11.0	— 130.0 260.0	— 108 216	192.8 207.5 337.5	225 225 350
													10	14.0	— 130.0 260.0	— 108 216	198.8 215.0 345.0	225 225 350
										40	52.0	—	—	—	— 130.0 260.0	— 108 216	185.8 195.0 325.0	225 225 350
												2	5	7.6	— 130.0 260.0	— 108 216	201.0 214.0 344.0	250 250 350
													7.5	11.0	— 130.0 260.0	— 108 216	207.8 222.5 352.5	250 250 400
													10	14.0	— 130.0 260.0	— 108 216	213.8 230.0 360.0	250 250 400
										50	65.0	—	—	—	— 130.0 260.0	— 108 216	202.1 211.3 341.3	250 250 400
												2	5	7.6	— 130.0 260.0	— 108 216	217.3 230.3 360.3	250 250 400
													7.5	11.0	— 130.0 260.0	— 108 216	224.1 238.8 368.8	250 250 400
													10	14.0	— 130.0 260.0	— 108 216	230.1 246.3 376.3	250 300 400
										60	77.0	—	—	—	— 130.0 260.0	— 108 216	217.1 226.3 356.3	250 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	232.3 245.3 375.3	300 300 400
													7.5	11.0	— 130.0 260.0	— 108 216	239.1 253.8 383.8	300 300 450
													10	14.0	— 130.0 260.0	— 108 216	245.1 261.3 391.3	300 300 450
										75	96.0	—	—	—	— 130.0 260.0	— 108 216	240.8 250.0 380.0	300 300 450
												2	5	7.6	— 130.0 260.0	— 108 216	256.0 269.0 399.0	350 350 450
													7.5	11.0	— 130.0 260.0	— 108 216	262.8 277.5 407.5	350 350 450
													10	14.0	— 130.0 260.0	— 108 216	268.8 285.0 415.0	350 350 500

See page 78 for legend and notes.

Table 18 — Electrical Data — 50P2,P3,P4,P5075 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	23.7	132	2	23.7	132	4	2.6 (ea)	30	32.0	—	—	—	—	—	145.2	175
												2	5	6.1	—	—	157.4	175
													7.5	9.0	—	—	163.2	175
													10	11.0	—	—	167.2	175
										40	41.0	—	—	—	—	—	156.5	175
												2	5	6.1	—	—	168.7	200
													7.5	9.0	—	—	174.5	200
													10	11.0	—	—	178.5	200
										50	52.0	—	—	—	—	—	170.2	200
												2	5	6.1	—	—	182.4	225
													7.5	9.0	—	—	188.2	225
													10	11.0	—	—	192.2	225
										60	62.0	—	—	—	—	—	182.7	225
												2	5	6.1	—	—	194.9	250
													7.5	9.0	—	—	200.7	250
													10	11.0	—	—	204.7	250
										75	77.0	—	—	—	—	—	201.5	250
												2	5	6.1	—	—	213.7	250
													7.5	9.0	—	—	219.5	250
													10	11.0	—	—	223.5	300

See page 78 for legend and notes.

Table 19 — Electrical Data — 50P2,P3,P4,P5075 Units (with Optional High-Capacity Power Exhaust)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2			No. B1,B2													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	26.9	179	2	26.9	179	4	3.3 (ea)	30	40.0	2	—	—	—	—	198.8	225
													10	14.0	130.0	108	215.0	225
															260.0	216	345.0	350
													15	21.0	—	—	212.8	250
															130.0	108	232.5	250
															260.0	216	362.5	400
													20	27.0	—	—	224.8	250
															130.0	108	247.5	250
															260.0	216	377.5	400
													25	34.0	—	—	238.8	250
															130.0	108	265.0	300
															260.0	216	395.0	400
													30	40.0	—	—	250.8	300
															130.0	108	280.0	300
															260.0	216	410.0	450
										40	52.0	2	10	14.0	—	—	213.8	250
															130.0	108	230.0	250
															260.0	216	360.0	400
													15	21.0	—	—	227.8	250
															130.0	108	247.5	250
															260.0	216	377.5	400
													20	27.0	—	—	239.8	250
															130.0	108	262.5	300
															260.0	216	392.5	400
													25	34.0	—	—	253.8	300
															130.0	108	280.0	300
															260.0	216	410.0	450
													30	40.0	—	—	265.8	300
															130.0	108	295.0	300
															260.0	216	425.0	450
										50	65.0	2	10	14.0	—	—	230.1	250
															130.0	108	246.3	300
															260.0	216	376.3	400
													15	21.0	—	—	244.1	300
															130.0	108	263.8	300
															260.0	216	393.8	400
													20	27.0	—	—	256.1	300
															130.0	108	278.8	300
															260.0	216	408.8	450
													25	34.0	—	—	270.1	300
															130.0	108	296.3	300
															260.0	216	426.3	450
													30	40.0	—	—	282.1	300
															130.0	108	311.3	350
															260.0	216	441.3	450

See page 78 for legend and notes.

Table 19 — Electrical Data — 50P2,P3,P4,P5075 Units (with Optional High-Capacity Power Exhaust) (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2			No. B1,B2													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	26.9	179	2	26.9	179	4	3.3 (ea)	60	77.0	2	10	14.0	—	—	245.1	300
															130.0	108	261.3	300
															260.0	216	391.3	450
													15	21.0	—	—	259.1	300
															130.0	108	278.8	300
															260.0	216	408.8	450
													20	27.0	—	—	271.1	300
															130.0	108	293.8	350
															260.0	216	423.8	450
													25	34.0	—	—	285.1	350
															130.0	108	311.3	350
															260.0	216	441.3	500
													30	40.0	—	—	297.1	350
															130.0	108	326.3	350
															260.0	216	456.3	500
										75	96.0	2	10	14.0	—	—	268.8	350
															130.0	108	285.0	350
															260.0	216	415.0	500
													15	21.0	—	—	282.8	350
															130.0	108	302.5	350
															260.0	216	432.5	500
													20	27.0	—	—	294.8	350
															130.0	108	317.5	400
															260.0	216	447.5	500
													25	34.0	—	—	308.8	400
															130.0	108	335.0	400
															260.0	216	465.0	500
													30	40.0	—	—	320.8	400
															130.0	108	350.0	400
															260.0	216	480.0	500

See page 78 for legend and notes.

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2			No. B1,B2													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	23.7	132	2	23.7	132	4	2.6 (ea)	30	32.0	2	10	11.0	—	—	167.2	175
													15	17.0	—	—	179.2	200
													20	22.0	—	—	189.2	200
													25	27.0	—	—	199.2	225
													30	32.0	—	—	209.2	225
										40	41.0	2	10	11.0	—	—	178.5	200
													15	17.0	—	—	190.5	225
													20	22.0	—	—	200.5	225
													25	27.0	—	—	210.5	250
													30	32.0	—	—	220.5	250
										50	52.0	2	10	11.0	—	—	192.2	225
													15	17.0	—	—	204.2	250
													20	22.0	—	—	214.2	250
													25	27.0	—	—	224.2	250
													30	32.0	—	—	234.2	250
										60	62.0	2	10	11.0	—	—	204.7	250
													15	17.0	—	—	216.7	250
													20	22.0	—	—	226.7	250
													25	27.0	—	—	236.7	250
													30	32.0	—	—	246.7	300
										75	77.0	2	10	11.0	—	—	223.5	300
													15	17.0	—	—	235.5	300
													20	22.0	—	—	245.5	300
													25	27.0	—	—	255.5	300
													30	32.0	—	—	265.5	300

See page 78 for legend and notes.

Table 20 — Electrical Data — 50P2,P3,P4,P5075 Units (with Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2			No. B1,B2													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	2	26.9	179	2	26.9	179	4	3.3 (ea)	30	40.0	1	20	27.0	—	—	197.8	225
															130.0	108	213.8	225
															260.0	216	343.8	350
													25	34.0	—	—	204.8	225
															130.0	108	222.5	250
															260.0	216	352.5	400
													30	40.0	—	—	210.8	250
															130.0	108	230.0	250
															260.0	216	360.0	400
													40	52.0	—	—	225.8	250
															130.0	108	245.0	250
															260.0	216	375.0	400
										40	52.0	1	20	27.0	—	—	212.8	250
															130.0	108	228.8	250
															260.0	216	358.8	400
													25	34.0	—	—	219.8	250
															130.0	108	237.5	250
															260.0	216	367.5	400
													30	40.0	—	—	225.8	250
															130.0	108	245.0	250
															260.0	216	375.0	400
													40	52.0	—	—	237.8	250
															130.0	108	260.0	300
															260.0	216	390.0	400
										50	65.0	1	20	27.0	—	—	229.1	250
															130.0	108	245.0	300
															260.0	216	375.0	400
													25	34.0	—	—	236.1	300
															130.0	108	253.8	300
															260.0	216	383.8	400
													30	40.0	—	—	242.1	300
															130.0	108	261.3	300
															260.0	216	391.3	400
													40	52.0	—	—	254.1	300
															130.0	108	276.3	300
															260.0	216	406.3	450
										60	77.0	1	20	27.0	—	—	244.1	300
															130.0	108	260.0	300
															260.0	216	390.0	450
													25	34.0	—	—	251.1	300
															130.0	108	268.8	300
															260.0	216	398.8	450
													30	40.0	—	—	257.1	300
															130.0	108	276.3	300
															260.0	216	406.3	450
													40	52.0	—	—	269.1	300
															130.0	108	291.3	350
															260.0	216	421.3	450
										75	96.0	1	20	27.0	—	—	267.8	350
															130.0	108	283.8	350
															260.0	216	413.8	500
													25	34.0	—	—	274.8	350
															130.0	108	292.5	350
															260.0	216	422.5	500
													30	40.0	—	—	280.8	350
															130.0	108	300.0	350
															260.0	216	430.0	500
													40	52.0	—	—	292.8	350
															130.0	108	315.0	350
															260.0	216	445.0	500

See page 78 for legend and notes.

Table 20 — Electrical Data — 50P2,P3,P4,P5075 Units (with Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2			No. B1,B2													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	2	23.7	132	2	23.7	132	4	2.6 (ea)	30	32.0	1	20	22.0	—	—	167.2	175
													25	27.0	—	—	172.2	200
													30	32.0	—	—	177.2	200
													40	41.0	—	—	188.5	225
										40	41.0	1	20	22.0	—	—	178.5	200
													25	27.0	—	—	183.5	200
													30	32.0	—	—	188.5	225
													40	41.0	—	—	197.5	225
										50	52.0	1	20	22.0	—	—	192.2	225
													25	27.0	—	—	197.2	225
													30	32.0	—	—	202.2	250
													40	41.0	—	—	211.2	250
										60	62.0	1	20	22.0	—	—	204.7	250
													25	27.0	—	—	209.7	250
													30	32.0	—	—	214.7	250
													40	41.0	—	—	223.7	250
										75	77.0	1	20	22.0	—	—	223.5	300
													25	27.0	—	—	228.5	300
													30	32.0	—	—	233.5	300
													40	41.0	—	—	242.5	300

See page 78 for legend and notes.

Table 21 — Electrical Data — 50P2,P3,P4,P5090 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	150	3	23.1	150	6	3.3 (ea)	30	40.0	—	—	—	— 130.0 260.0	— 108 216	208.4 208.4 310.0	225 225 350
												2	5	7.6	— 130.0 260.0	— 108 216	223.6 223.6 329.0	250 250 350
													7.5	11.0	— 130.0 260.0	— 108 216	230.4 230.4 337.5	250 250 350
													10	14.0	— 130.0 260.0	— 108 216	236.4 236.4 345.0	250 250 350
										40	52.0	—	—	—	— 130.0 260.0	— 108 216	223.4 223.4 325.0	250 250 350
												2	5	7.6	— 130.0 260.0	— 108 216	238.6 238.6 344.0	250 250 350
													7.5	11.0	— 130.0 260.0	— 108 216	245.4 245.4 352.5	250 250 400
													10	14.0	— 130.0 260.0	— 108 216	251.4 251.4 360.0	300 300 400
										50	65.0	—	—	—	— 130.0 260.0	— 108 216	239.7 239.7 341.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	254.9 254.9 360.3	300 300 400
													7.5	11.0	— 130.0 260.0	— 108 216	261.7 261.7 368.8	300 300 400
													10	14.0	— 130.0 260.0	— 108 216	267.7 267.7 376.3	300 300 400
										60	77.0	—	—	—	— 130.0 260.0	— 108 216	254.7 254.7 356.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	269.9 269.9 375.3	300 300 400
													7.5	11.0	— 130.0 260.0	— 108 216	276.7 276.7 383.8	350 350 450
													10	14.0	— 130.0 260.0	— 108 216	282.7 282.7 391.3	350 350 450
										75	96.0	—	—	—	— 130.0 260.0	— 108 216	278.4 278.4 380.0	350 350 450
												2	5	7.6	— 130.0 260.0	— 108 216	293.6 293.6 399.0	350 350 450
													7.5	11.0	— 130.0 260.0	— 108 216	300.4 300.4 407.5	350 350 450
													10	14.0	— 130.0 260.0	— 108 216	306.4 306.4 415.0	400 400 500

See page 78 for legend and notes.

Table 21 — Electrical Data — 50P2,P3,P4,P5090 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1			No. B1													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	19.9	109	6	2.6 (ea)	30	32.0	—	—	—	—	—	175.0	200
												2	5	6.1	—	—	187.2	200
													7.5	9.0	—	—	193.0	200
													10	11.0	—	—	197.0	225
										40	41.0	—	—	—	—	—	186.3	225
												2	5	6.1	—	—	198.5	225
													7.5	9.0	—	—	204.3	225
													10	11.0	—	—	208.3	225
										50	52.0	—	—	—	—	—	200.0	250
												2	5	6.1	—	—	212.2	250
													7.5	9.0	—	—	218.0	250
													10	11.0	—	—	222.0	250
										60	62.0	—	—	—	—	—	212.5	250
												2	5	6.1	—	—	224.7	250
													7.5	9.0	—	—	230.5	250
													10	11.0	—	—	234.5	250
										75	77.0	—	—	—	—	—	231.3	300
												2	5	6.1	—	—	243.5	300
													7.5	9.0	—	—	249.3	300
													10	11.0	—	—	253.3	300

See page 78 for legend and notes.

Table 22 — Electrical Data — 50P2,P3,P4,P5090 Units (with Optional High-Capacity Power Exhaust)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	150	3	23.1	150	6	3.3 (ea)	30	40.0	2	—	—	—	—	236.4	250
													10	14.0	130.0	108	236.4	250
															260.0	216	345.0	350
													—	—	—	—	250.4	300
													15	21.0	130.0	108	250.4	300
															260.0	216	362.5	400
													—	—	—	—	262.4	300
													20	27.0	130.0	108	262.4	300
															260.0	216	377.5	400
													—	—	—	—	276.4	300
													25	34.0	130.0	108	276.4	300
															260.0	216	395.0	400
													—	—	—	—	288.4	300
													30	40.0	130.0	108	288.4	300
															260.0	216	410.0	450
										40	52.0	2	—	—	—	—	251.4	300
													10	14.0	130.0	108	251.4	300
															260.0	216	360.0	400
													—	—	—	—	265.4	300
													15	21.0	130.0	108	265.4	300
															260.0	216	377.5	400
													—	—	—	—	277.4	300
													20	27.0	130.0	108	277.4	300
															260.0	216	392.5	400
													—	—	—	—	291.4	300
													25	34.0	130.0	108	291.4	300
															260.0	216	410.0	450
													—	—	—	—	303.4	350
													30	40.0	130.0	108	303.4	350
															260.0	216	425.0	450
										50	65.0	2	—	—	—	—	267.7	300
													10	14.0	130.0	108	267.7	300
															260.0	216	376.3	400
													—	—	—	—	281.7	300
													15	21.0	130.0	108	281.7	300
															260.0	216	393.8	400
													—	—	—	—	293.7	350
													20	27.0	130.0	108	293.7	350
															260.0	216	408.8	450
													—	—	—	—	307.7	350
													25	34.0	130.0	108	307.7	350
															260.0	216	426.3	450
													—	—	—	—	319.7	350
													30	40.0	130.0	108	319.7	350
															260.0	216	441.3	450

See page 78 for legend and notes.

Table 22 — Electrical Data — 50P2,P3,P4,P5090 Units (with Optional High-Capacity Power Exhaust) (cont)

460-3-60 (V-Ph-Hz) (cont)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	150	3	23.1	150	6	3.3 (ea)	60	77.0	2	—	—	—	—	282.7	350
													10	14.0	130.0	108	282.7	350
															260.0	216	391.3	450
													—	—	—	—	296.7	350
													15	21.0	130.0	108	296.7	350
															260.0	216	408.8	450
													—	—	—	—	308.7	350
													20	27.0	130.0	108	308.7	350
															260.0	216	423.8	450
													—	—	—	—	322.7	350
													25	34.0	130.0	108	322.7	350
															260.0	216	441.3	500
													—	—	—	—	334.7	400
													30	40.0	130.0	108	334.7	400
															260.0	216	456.3	500
										75	96.0	2	—	—	—	—	306.4	400
													10	14.0	130.0	108	306.4	400
															260.0	216	415.0	500
													—	—	—	—	320.4	400
													15	21.0	130.0	108	320.4	400
															260.0	216	432.5	500
													—	—	—	—	332.4	400
													20	27.0	130.0	108	332.4	400
															260.0	216	447.5	500
													—	—	—	—	346.4	400
													25	34.0	130.0	108	346.4	400
															260.0	216	465.0	500
													—	—	—	—	358.4	450
													30	40.0	130.0	108	358.4	450
															260.0	216	480.0	500

See page 78 for legend and notes.

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	19.9	109	6	2.6 (ea)	30	32.0	2	10	11.0	—	—	197.0	225
													15	17.0	—	—	209.0	225
													20	22.0	—	—	219.0	250
													25	27.0	—	—	229.0	250
													30	32.0	—	—	239.0	250
										40	41.0	2	10	11.0	—	—	208.3	225
													15	17.0	—	—	220.3	250
													20	22.0	—	—	230.3	250
													25	27.0	—	—	240.3	250
													30	32.0	—	—	250.3	300
										50	52.0	2	10	11.0	—	—	222.0	250
													15	17.0	—	—	234.0	250
													20	22.0	—	—	244.0	250
													25	27.0	—	—	254.0	300
													30	32.0	—	—	264.0	300
										60	62.0	2	10	11.0	—	—	234.5	250
													15	17.0	—	—	246.5	300
													20	22.0	—	—	256.5	300
													25	27.0	—	—	266.5	300
													30	32.0	—	—	276.5	300
										75	77.0	2	10	11.0	—	—	253.3	300
													15	17.0	—	—	265.3	300
													20	22.0	—	—	275.3	350
													25	27.0	—	—	285.3	350
													30	32.0	—	—	295.3	350

See page 78 for legend and notes.

Table 23 — Electrical Data — 50P2,P3,P4,P5090 Units (with Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	150	3	23.1	150	6	3.3 (ea)	30	40.0	1	20	27.0	— 130.0 260.0	— 108 216	235.4 235.4 343.8	250 250 350
													25	34.0	— 130.0 260.0	— 108 216	242.4 242.4 352.5	250 250 400
													30	40.0	— 130.0 260.0	— 108 216	248.4 248.4 360.0	250 250 400
													40	52.0	— 130.0 260.0	— 108 216	263.4 263.4 375.0	300 300 400
										40	52.0	1	20	27.0	— 130.0 260.0	— 108 216	250.4 250.4 358.8	300 300 400
													25	34.0	— 130.0 260.0	— 108 216	257.4 257.4 367.5	300 300 400
													30	40.0	— 130.0 260.0	— 108 216	263.4 263.4 375.0	300 300 400
													40	52.0	— 130.0 260.0	— 108 216	275.4 275.4 390.0	300 300 400
										50	65.0	1	20	27.0	— 130.0 260.0	— 108 216	266.7 266.7 375.0	300 300 400
													25	34.0	— 130.0 260.0	— 108 216	273.7 273.7 383.8	300 300 400
													30	40.0	— 130.0 260.0	— 108 216	279.7 279.7 391.3	300 300 400
													40	52.0	— 130.0 260.0	— 108 216	291.7 291.7 406.3	350 350 450
										60	77.0	1	20	27.0	— 130.0 260.0	— 108 216	281.7 281.7 390.0	350 350 450
													25	34.0	— 130.0 260.0	— 108 216	288.7 288.7 398.8	350 350 450
													30	40.0	— 130.0 260.0	— 108 216	294.7 294.7 406.3	350 350 450
													40	52.0	— 130.0 260.0	— 108 216	306.7 306.7 421.3	350 350 450
										75	96.0	1	20	27.0	— 130.0 260.0	— 108 216	305.4 305.4 413.8	400 400 500
													25	34.0	— 130.0 260.0	— 108 216	312.4 312.4 422.5	400 400 500
													30	40.0	— 130.0 260.0	— 108 216	318.4 318.4 430.0	400 400 500
													40	52.0	— 130.0 260.0	— 108 216	330.4 330.4 445.0	400 400 500

See page 78 for legend and notes.

Table 23 — Electrical Data — 50P2,P3,P4,P5090 Units (with Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	19.9	109	6	2.6 (ea)	30	32.0	1	20	22.0	—	—	197.0	225
													25	27.0	—	—	202.0	225
													30	32.0	—	—	207.0	225
													40	41.0	—	—	218.3	250
										40	41.0	1	20	22.0	—	—	208.3	225
													25	27.0	—	—	213.3	250
													30	32.0	—	—	218.3	250
													40	41.0	—	—	227.3	250
										50	52.0	1	20	22.0	—	—	222.0	250
													25	27.0	—	—	227.0	250
													30	32.0	—	—	232.0	250
													40	41.0	—	—	241.0	250
										60	62.0	1	20	22.0	—	—	234.5	250
													25	27.0	—	—	239.5	300
													30	32.0	—	—	244.5	300
													40	41.0	—	—	253.5	300
										75	77.0	1	20	22.0	—	—	253.3	300
													25	27.0	—	—	258.3	300
													30	32.0	—	—	263.3	300
													40	41.0	—	—	272.3	300

See page 78 for legend and notes.

Table 24 — Electrical Data — 50P2,P3,P4,P5100 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	1150	3	26.9	179	6	3.3 (ea)	30	40.0	—	—	—	— 130.0 260.0	— 108 216	219.8 219.8 310.0	250 250 350
												2	5	7.6	— 130.0 260.0	— 108 216	235.0 235.0 329.0	250 250 350
													7.5	11.0	— 130.0 260.0	— 108 216	241.8 241.8 337.5	250 250 350
													10	14.0	— 130.0 260.0	— 108 216	247.8 247.8 345.0	250 250 350
										40	52.0	—	—	—	— 130.0 260.0	— 108 216	234.8 234.8 325.0	250 250 350
												2	5	7.6	— 130.0 260.0	— 108 216	250.0 250.0 344.0	300 300 350
													7.5	11.0	— 130.0 260.0	— 108 216	256.8 256.8 352.5	300 300 400
													10	14.0	— 130.0 260.0	— 108 216	262.8 262.8 360.0	300 300 400
										50	65.0	—	—	—	— 130.0 260.0	— 108 216	251.1 251.1 341.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	266.3 266.3 360.3	300 300 400
													7.5	11.0	— 130.0 260.0	— 108 216	273.1 273.1 368.8	300 300 400
													10	14.0	— 130.0 260.0	— 108 216	279.1 279.1 376.3	300 300 400
										60	77.0	—	—	—	— 130.0 260.0	— 108 216	266.1 266.1 356.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	281.3 281.3 375.3	350 350 400
													7.5	11.0	— 130.0 260.0	— 108 216	288.1 288.1 383.8	350 350 450
													10	14.0	— 130.0 260.0	— 108 216	294.1 294.1 391.3	350 350 450
										75	96.0	—	—	—	— 130.0 260.0	— 108 216	289.8 289.8 380.0	350 350 450
												2	5	7.6	— 130.0 260.0	— 108 216	305.0 305.0 399.0	400 400 450
													7.5	11.0	— 130.0 260.0	— 108 216	311.8 311.8 407.5	400 400 450
													10	14.0	— 130.0 260.0	— 108 216	317.8 317.8 415.0	400 400 500

See page 78 for legend and notes.

Table 24 — Electrical Data — 50P2,P3,P4,P5100 Units (without Optional High-Capacity Power Exhaust or Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	23.7	132	6	2.6 (ea)	30	32.0	—	—	—	—	—	186.4	200
												2	5	6.1	—	—	198.6	225
													7.5	9.0	—	—	204.4	225
													10	11.0	—	—	208.4	225
										40	41.0	—	—	—	—	—	197.7	225
												2	5	6.1	—	—	209.9	250
													7.5	9.0	—	—	215.7	250
													10	11.0	—	—	219.7	250
										50	52.0	—	—	—	—	—	211.4	250
												2	5	6.1	—	—	223.6	250
													7.5	9.0	—	—	229.4	250
													10	11.0	—	—	233.4	250
										60	62.0	—	—	—	—	—	223.9	250
												2	5	6.1	—	—	236.1	250
													7.5	9.0	—	—	241.9	300
													10	11.0	—	—	245.9	300
										75	77.0	—	—	—	—	—	242.7	300
												2	5	6.1	—	—	254.9	300
													7.5	9.0	—	—	260.7	300
													10	11.0	—	—	264.7	300

See page 78 for legend and notes.

Table 25 — Electrical Data — 50P2,P3,P4,P5100 Units (with Optional High-Capacity Power Exhaust)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	1150	3	26.9	179	6	3.3 (ea)	30	40.0	—	—	—	— 130.0 260.0	— 108 216	219.8 219.8 310.0	250 250 350
												2	5	7.6	— 130.0 260.0	— 108 216	235.0 235.0 329.0	250 250 350
													7.5	11.0	— 130.0 260.0	— 108 216	241.8 241.8 337.5	250 250 350
													10	14.0	— 130.0 260.0	— 108 216	247.8 247.8 345.0	250 250 350
										40	52.0	—	—	—	— 130.0 260.0	— 108 216	234.8 234.8 325.0	250 250 350
												2	5	7.6	— 130.0 260.0	— 108 216	250.0 250.0 344.0	300 300 350
													7.5	11.0	— 130.0 260.0	— 108 216	256.8 256.8 352.5	300 300 400
													10	14.0	— 130.0 260.0	— 108 216	262.8 262.8 360.0	300 300 400
										50	65.0	—	—	—	— 130.0 260.0	— 108 216	251.1 251.1 341.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	266.3 266.3 360.3	300 300 400
													7.5	11.0	— 130.0 260.0	— 108 216	273.1 273.1 368.8	300 300 400
													10	14.0	— 130.0 260.0	— 108 216	279.1 279.1 376.3	300 300 400
										60	77.0	—	—	—	— 130.0 260.0	— 108 216	266.1 266.1 356.3	300 300 400
												2	5	7.6	— 130.0 260.0	— 108 216	281.3 281.3 375.3	350 350 400
													7.5	11.0	— 130.0 260.0	— 108 216	288.1 288.1 383.8	350 350 450
													10	14.0	— 130.0 260.0	— 108 216	294.1 294.1 391.3	350 350 450
										75	96.0	—	—	—	— 130.0 260.0	— 108 216	289.8 289.8 380.0	350 350 450
												2	5	7.6	— 130.0 260.0	— 108 216	305.0 305.0 399.0	400 400 450
													7.5	11.0	— 130.0 260.0	— 108 216	311.8 311.8 407.5	400 400 450
													10	14.0	— 130.0 260.0	— 108 216	317.8 317.8 415.0	400 400 500

See page 78 for legend and notes.

Table 25 — Electrical Data — 50P2,P3,P4,P5100 Units (with Optional High-Capacity Power Exhaust) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	23.7	132	6	2.6 (ea)	30	32.0	—	—	—	—	—	186.4	200
												2	5	6.1	—	—	198.6	225
													7.5	9.0	—	—	204.4	225
													10	11.0	—	—	208.4	225
										40	41.0	—	—	—	—	—	197.7	225
												2	5	6.1	—	—	209.9	250
													7.5	9.0	—	—	215.7	250
													10	11.0	—	—	219.7	250
										50	52.0	—	—	—	—	—	211.4	250
												2	5	6.1	—	—	223.6	250
													7.5	9.0	—	—	229.4	250
													10	11.0	—	—	233.4	250
										60	62.0	—	—	—	—	—	223.9	250
												2	5	6.1	—	—	236.1	250
													7.5	9.0	—	—	241.9	300
													10	11.0	—	—	245.9	300
										75	77.0	—	—	—	—	—	242.7	300
												2	5	6.1	—	—	254.9	300
													7.5	9.0	—	—	260.7	300
													10	11.0	—	—	264.7	300

See page 78 for legend and notes.

Table 26 — Electrical Data — 50P2,P3,P4,P5100 Units (with Optional Return Fan)

460-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
414	508	3	23.1	150	3	26.9	179	6	3.3 (ea)	30	40.0	1	20	27.0	—	—	246.8	250
															130.0	108	246.8	250
															260.0	216	343.8	350
													25	34.0	—	—	253.8	300
															130.0	108	253.8	300
															260.0	216	352.5	400
													30	40.0	—	—	259.8	300
															130.0	108	259.8	300
															260.0	216	360.0	400
													40	52.0	—	—	274.8	300
															130.0	108	274.8	300
															260.0	216	375.0	400
										40	52.0	1	20	27.0	—	—	261.8	300
															130.0	108	261.8	300
															260.0	216	358.8	400
													25	34.0	—	—	268.8	300
															130.0	108	268.8	300
															260.0	216	367.5	400
													30	40.0	—	—	274.8	300
															130.0	108	274.8	300
															260.0	216	375.0	400
													40	52.0	—	—	286.8	300
															130.0	108	286.8	300
															260.0	216	390.0	400
										50	65.0	1	20	27.0	—	—	278.1	300
															130.0	108	278.1	300
															260.0	216	375.0	400
													25	34.0	—	—	285.1	350
															130.0	108	285.1	350
															260.0	216	383.8	400
													30	40.0	—	—	291.1	350
															130.0	108	291.1	350
															260.0	216	391.3	400
													40	52.0	—	—	303.1	350
															130.0	108	303.1	350
															260.0	216	406.3	450
										60	77.0	1	20	27.0	—	—	293.1	350
															130.0	108	293.1	350
															260.0	216	390.0	450
													25	34.0	—	—	300.1	350
															130.0	108	300.1	350
															260.0	216	398.8	450
													30	40.0	—	—	306.1	350
															130.0	108	306.1	350
															260.0	216	406.3	450
													40	52.0	—	—	318.1	350
															130.0	108	318.1	350
															260.0	216	421.3	450
										75	96.0	1	20	27.0	—	—	316.8	400
															130.0	108	316.8	400
															260.0	216	413.8	500
													25	34.0	—	—	323.8	400
															130.0	108	323.8	400
															260.0	216	422.5	500
													30	40.0	—	—	329.8	400
															130.0	108	329.8	400
															260.0	216	430.0	500
													40	52.0	—	—	341.8	400
															130.0	108	341.8	400
															260.0	216	445.0	500

See page 78 for legend and notes.

Table 26 — Electrical Data — 50P2,P3,P4,P5100 Units (with Optional Return Fan) (cont)

575-3-60 (V-Ph-Hz)

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY	
		No. A1,A2,A3			No. B1,B2,B3													
Min	Max	Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)	Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
518	632	3	19.9	109	3	23.7	132	6	2.6 (ea)	30	32.0	1	20	22.0	—	—	208.4	225
													25	27.0	—	—	213.4	225
													30	32.0	—	—	218.4	250
													40	41.0	—	—	229.7	250
										40	41.0	1	20	22.0	—	—	219.7	250
													25	27.0	—	—	224.7	250
													30	32.0	—	—	229.7	250
													40	41.0	—	—	238.7	250
										50	52.0	1	20	22.0	—	—	233.4	250
													25	27.0	—	—	238.4	250
													30	32.0	—	—	243.4	250
													40	41.0	—	—	252.4	300
										60	62.0	1	20	22.0	—	—	245.9	300
													25	27.0	—	—	250.9	300
													30	32.0	—	—	255.9	300
													40	41.0	—	—	264.9	300
										75	77.0	1	20	22.0	—	—	264.7	300
													25	27.0	—	—	269.7	300
													30	32.0	—	—	274.7	350
													40	41.0	—	—	283.7	350

See page 78 for legend and notes.

Step 13 — Connect Air Pressure Tubing — Before options such as the variable frequency drive (VFD) and/or modulating power exhaust can operate properly, the pneumatic tubing for pressure sensing must be installed. Use fire-retardant plenum tubing (field-supplied). All control devices use $^1/_4$-in. tubing. Tubing must be run from the appropriate sensing location (in the duct or in the building space) to the control device location in the unit.

VARIABLE FREQUENCY DRIVE — The tubing for the duct pressure (DP) control option should sample supply duct pressure approximately $^2/_3$ of the way out from the unit in the main trunk duct, at a location where a constant duct pressure is desired.

The duct pressure is sensed by a pressure transducer. The pressure transducer output is directed to the unit control module. On all sizes, the DP transducer is located in the unit auxiliary control box. See Fig. 44 and 45 for auxiliary control box location. See Fig. 46 and 47 for auxiliary control box details. Use a nominal $^1/_4$-in. plastic tubing.

Refer to appropriate base unit Controls and Troubleshooting book for instructions on adjusting set points for duct pressure controls.

MODULATING POWER EXHAUST — The tubing for the building pressure (BP) control (achieved via the modulating power exhaust option) should sample building pressure in the area near the entrance lobby (or other appropriate and sensitive location) so that location is controlled as closely to design pressures as possible.

These units use a pressure transducer for sensing building pressure. The BP transducer is located in the unit auxiliary control box. See Fig. 44 and 45 for auxiliary control box location. See Fig. 46 and 47 for auxiliary control box details. Use a nominal $^1/_4$-in. plastic tubing.

For instructions on adjusting BP control set points, refer to the Controls and Troubleshooting book.

HIGH-CAPACITY POWER EXHAUST — The tubing for the building pressure (BP) control (achieved via the high-capacity power exhaust package) should sample building pressure in the area near the entrance lobby (or other appropriate and sensitive location) so that location is controlled as closely to the design pressures as possible.

These units use a pressure transducer for sensing building pressure (BP). The pressure transducer output is directed to the unit control module. The BP transducer is located in the unit auxiliary control box. See Fig. 45 for auxiliary control box location. See Fig. 47 for auxiliary control box details. Use a nominal $^1/_4$-in. plastic tubing.

For instructions on adjusting BP control set points, refer to Controls and Troubleshooting book.

RETURN/EXHAUST POWER EXHAUST — The tubing for the building pressure control (achieved via the return/exhaust power exhaust option) should sample building pressure in the area near the entrance lobby (or other appropriate and sensitive location) so that location is controlled as closely to design pressures as possible.

The units use a pressure transducer for sensing building pressure. The BP transducer is located in the unit auxiliary control box. See Fig. 45 for auxiliary control box location. See Fig. 48 for auxiliary control box details. Use a nominal $^1/_4$-in. plastic tubing.

For instructions on adjusting BP control set points refer to the Controls and Troubleshooting book.

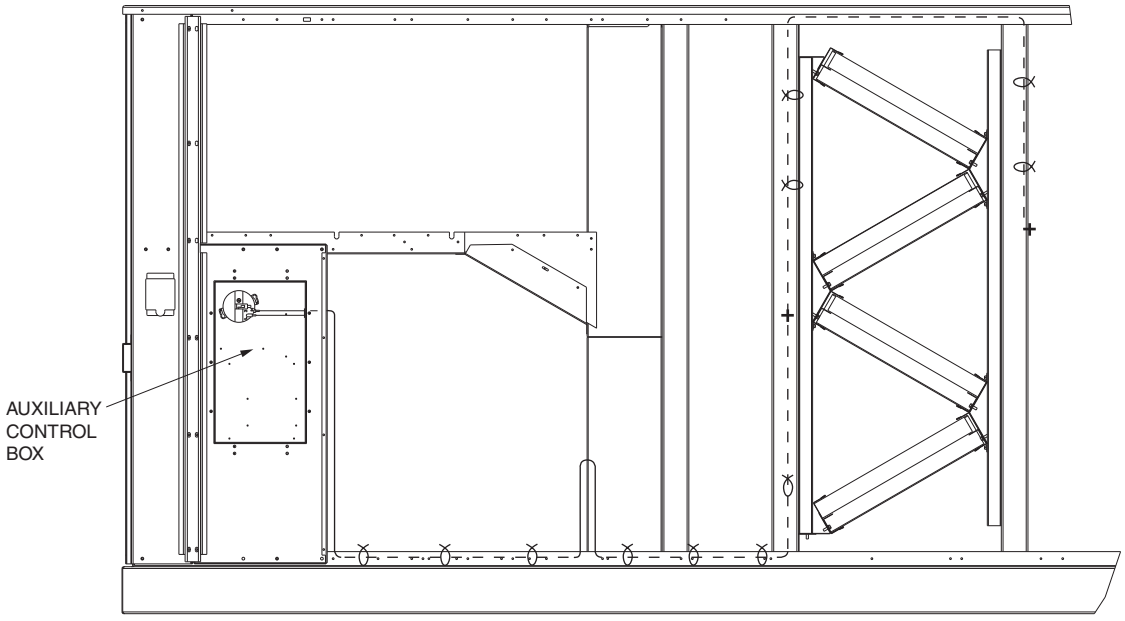


Fig. 44 — Auxiliary Control Box Location (Sizes 030-050)

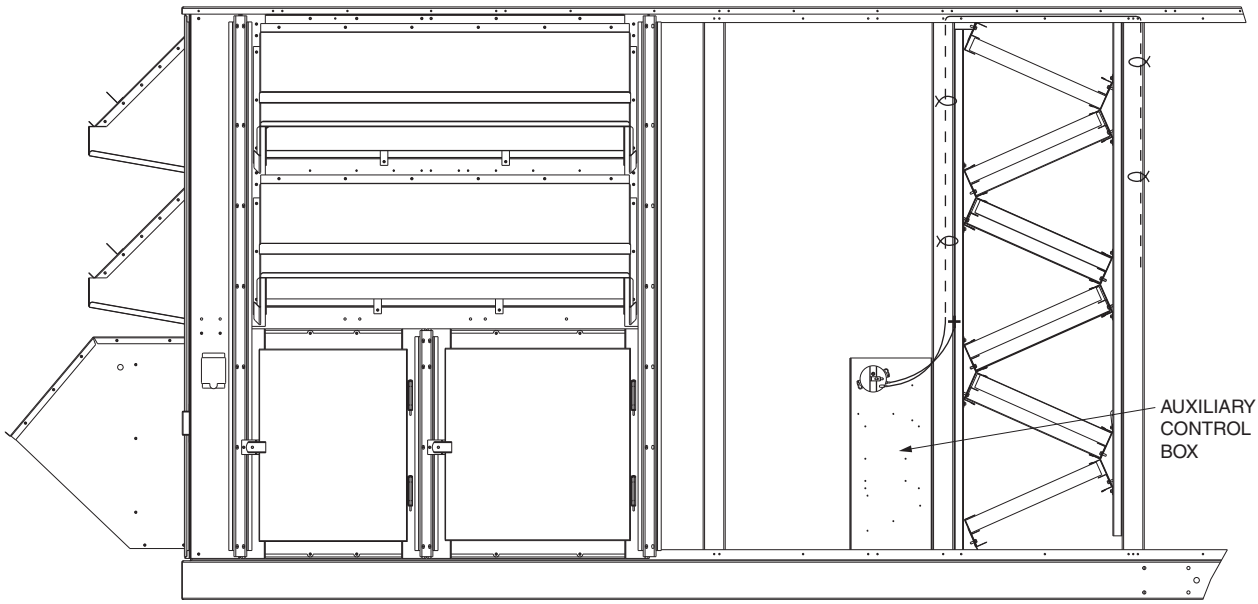
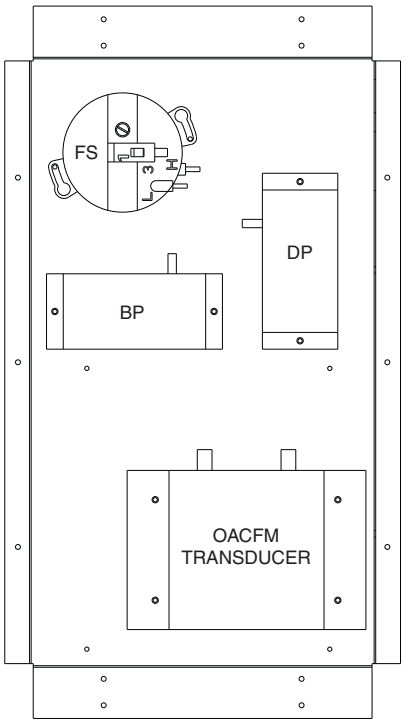


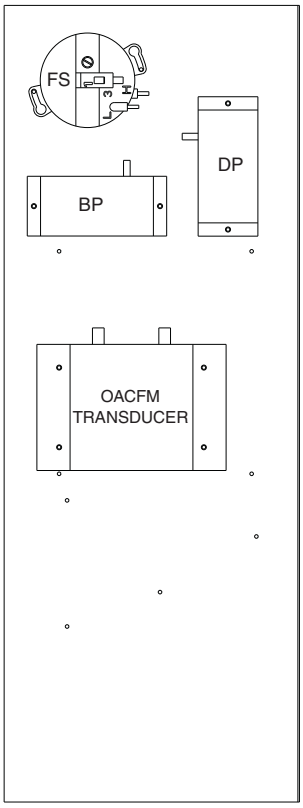
Fig. 45 — Auxiliary Control Box Location (Sizes 055-100)



LEGEND

BP — Building Pressure Transducer
DP — Duct Pressure Transducer
FS — Filter Switch
OACFM — Outdoor Air Cfm Sensor Transducer

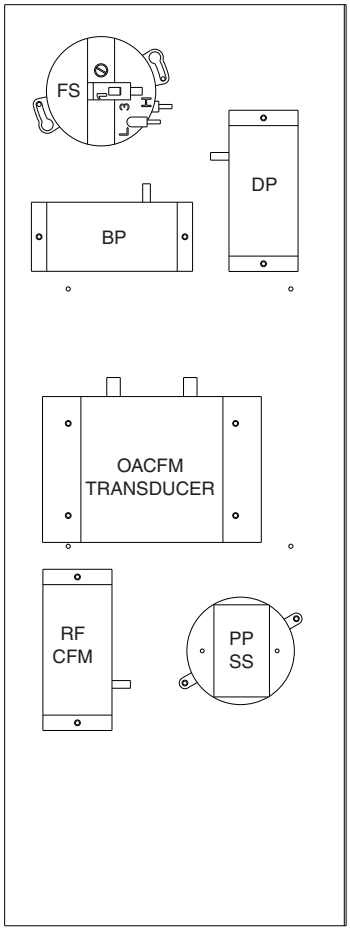
Fig. 46 — Auxiliary Control Box Details (Sizes 030-050)



LEGEND

BP — Building Pressure Transducer
DP — Duct Pressure Transducer
FS — Filter Switch
OACFM — Outdoor Air Cfm Sensor Transducer

Fig. 47 — Auxiliary Control Box Details (Sizes 055-100 without Return Fan)



LEGEND

BP — Building Pressure Transducer
DP — Duct Pressure Transducer
FS — Filter Switch
OACFM — Outdoor Air Cfm Sensor Transducer
PPSS — Plenum Pressure Safety Switch
RFCFM — Return Fan Cfm Sensor Transducer

Fig. 48 — Auxiliary Control Box Details (Sizes 075-100 Units with Optional Return Fan)

Step 14 — Supply-Fan Shipping Brackets —

Supply-fan shipping brackets (4 per unit) must be removed from each corner of the fan sled before starting unit.

UNIT SIZES 030-050

1. To remove brackets, raise fan sled by turning adjusting bolt counterclockwise until spring is compressed slightly.
2. Remove screws holding shipping bracket to unit cross rail.
3. Remove shipping bracket (top of bracket is slotted so that it will slide out).
4. After removing all shipping brackets, level fan sled using the adjusting screws. On all 4 corners, dimension from cross rail to fan sled should be as shown in Fig. 49.

UNIT SIZES 055-070 — To remove shipping brackets, remove the 6 screws holding each bracket to the cross rail. There are 8 brackets per unit. See Fig. 50.

After removing all shipping brackets, level fan sled using the adjusting screws. On all 4 corners dimension from cross rail to fan sled should be as shown in Fig. 50.

UNIT SIZES 075-100 — To remove shipping brackets, remove 6 screws holding each bracket to the cross rail. There are 4 brackets per unit. See Fig. 51.

After removing all shipping brackets, level fan sled using the adjusting screws. On all 4 corners dimension from cross rail to fan sled should be as shown in Fig. 51.

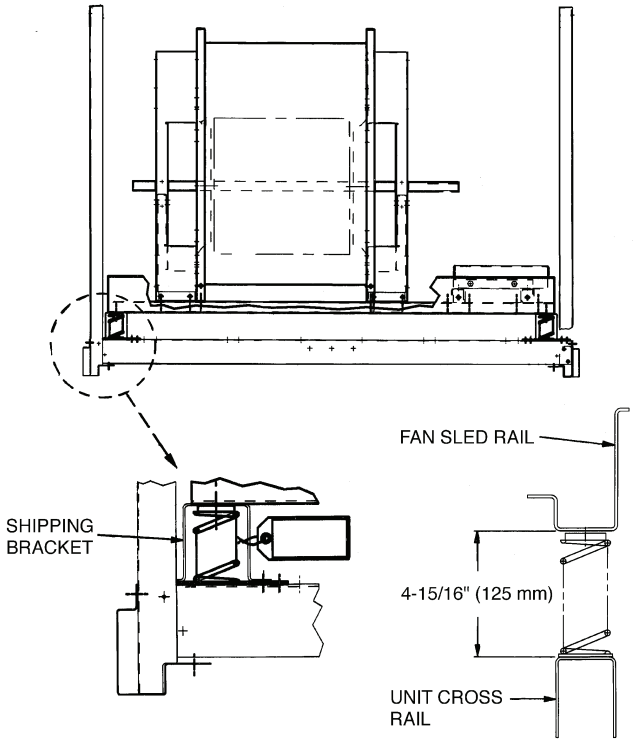


Fig. 49 — Shipping Brackets; Size 030-050 Units

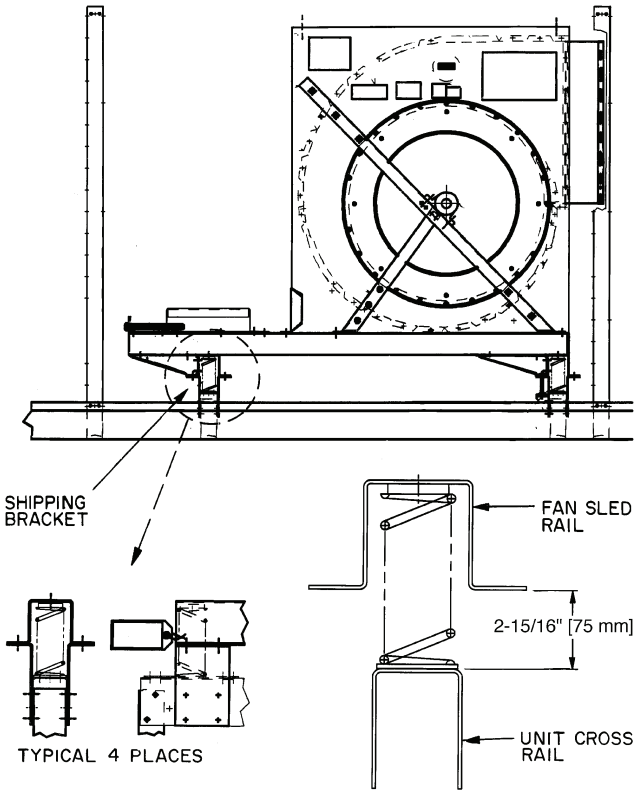


Fig. 50 — Shipping Brackets; Size 055-070 Units

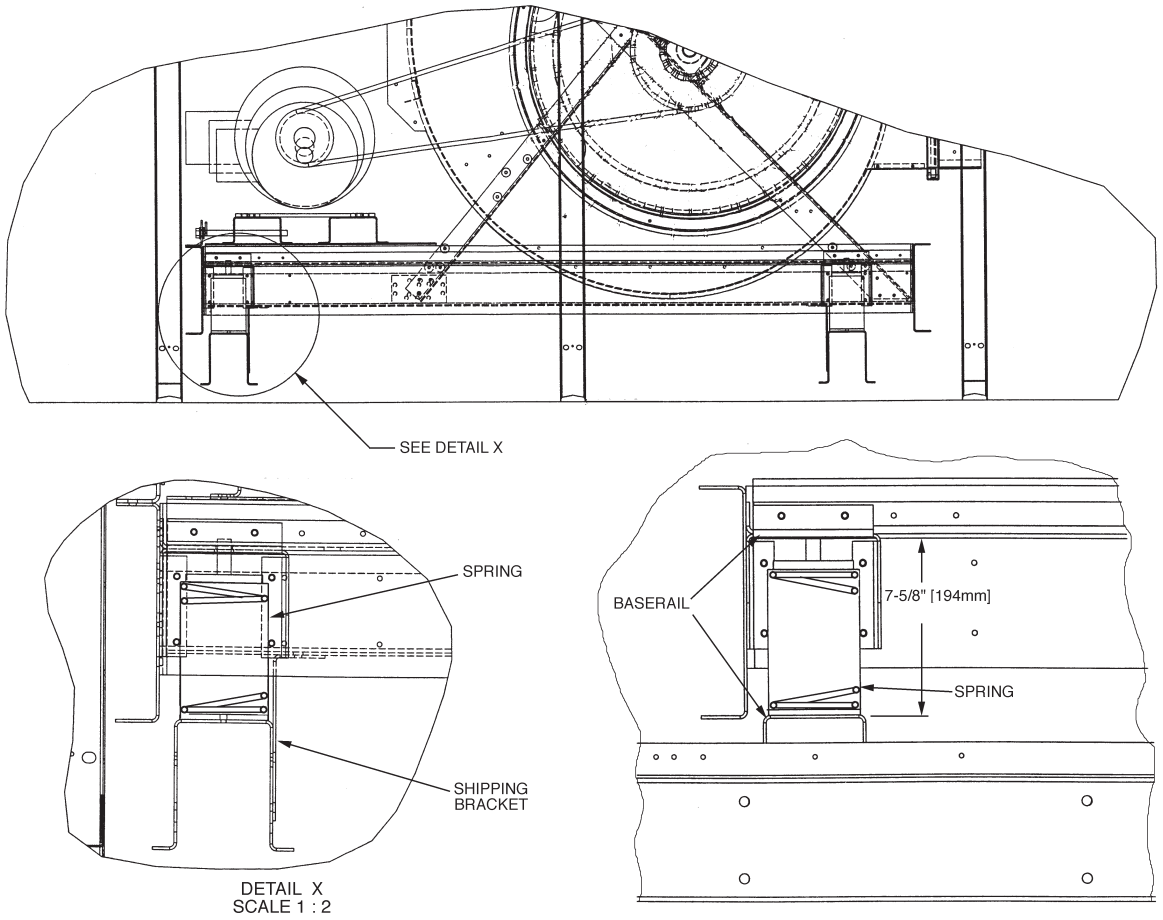


Fig. 51 — Shipping Brackets (Sizes 075-100)

Step 15 — Remove Optional Return/Exhaust-Fan Shipping Brackets — The optional factory-installed return/exhaust fan has shipping brackets that must be removed from each corner of the fan sled before starting unit.

To remove shipping brackets, remove 2 screws holding each bracket to the cross rail. There are 4 brackets per unit.

After removing all shipping brackets, level the fan using the adjusting screws. On all 4 corners dimension from cross rail to fan sled should be as shown in Fig. 52.

Step 16 — Install Supply-Air Thermistors (Optional SCR [Silicon Controlled Rectifier] Electric Heat Units Only) — Supply-air thermistors are a field-installed, factory-provided component. Three supply-air thermistors are shipped with optional SCR electric heat units inside the unit control box. Thermistor wires must be connected to the SCB (staged heat control board) in the unit control box. See Table 27. The supply-air thermistors should be located in the supply duct with the following criteria:

- downstream of the electric heater element
- equally spaced as far as possible from the electric heater element
- a duct location where none of the supply air thermistors are within sight of the electric heater element
- a duct location with good mixed supply air portion of the unit.

Step 17 — Optional Motormaster® V Control — The Motormaster V control is a motor speed control device which adjusts condenser fan motor speed in response to varying liquid refrigerant pressure. A properly applied Motormaster V control extends the operating range of air-conditioning systems and permits operation at lower outdoor ambient temperatures.

Table 27 — Supply-Air Thermistor Designations

THERMISTOR	PIN CONNECTION POINT	FUNCTION AND LOCATION	PART NO.
		Thermistors	
SAT1	J8 – 1,2 (SCB)	Supply-Air Thermistor (SAT) — Inserted into supply duct underneath the electric heater elements (factory-provided, field-installed)	HH79NZ033
SAT2	J8 – 3,4 (SCB)	Supply-Air Thermistor (SAT) — Inserted into supply duct underneath the electric heater elements (factory-provided, field-installed)	
SAT3	J8 – 5,6 (SCB)	Supply-Air Thermistor (SAT) — Inserted into supply duct underneath the electric heater elements (factory-provided, field-installed)	

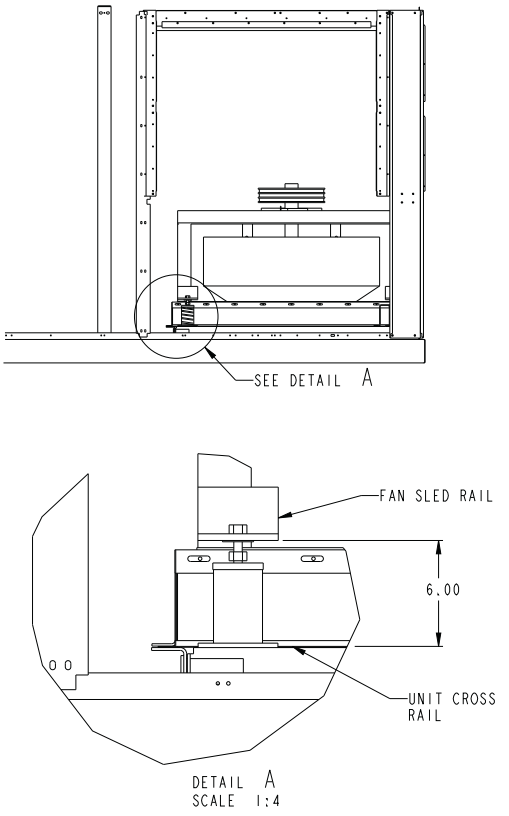


Fig. 52 — Return/Exhaust Fan Shipping Brackets

The optional Motormaster V controls are factory-installed. Field-fabricated and installed wind baffles are also required for units in areas with prevailing winds of more than 5 mph and where temperatures drop below 32 F. The Motormaster V control permits operation of the unit to an ambient temperature of –20 F. The control regulates the speed of one or two 3-phase fan motors depending on unit size. Replacement of the fan motor on most units is not necessary.

INSTALL FIELD-FABRICATED WIND BAFFLES

⚠ WARNING

To avoid the possibility of electrical shock, open all disconnects before installing or servicing this accessory.

On size 040-060 units, in areas with prevailing winds of more than 5 mph and where temperatures drop below 32 F, wind baffles must be field fabricated to ensure proper cooling cycle operation at low-ambient temperatures with Motormaster V controls. Wind baffles are not needed on size 030, 035, and 070-100 units. See Fig. 53 for baffle details. Use 20-gage galvanized sheet metal, or similar corrosion-resistant material for the baffles. Use field-supplied screws to attach baffles to unit. Screws should be $^1/_4$-in. diameter or larger. Screws should not be more than $^1/_2$-inch in length. Drill required screw holes for mounting baffles.

⚠ CAUTION

To avoid damage to refrigerant coils, electrical components, and wiring use extreme care when drilling screw holes and screwing in fasteners.

Step 18 — Install Unit Accessories — For applications requiring accessories, the following packages are available:

All units:
- barometric relief
- electric heaters
- space temperature sensor
- CO_2 sensor
- space temperature sensor with CO_2 sensor
- relative humidity sensor
- airflow switch
- filter switch
- smoke detector

All vertical return/supply units:
- electric heat

Refer to the individual accessory installation instructions in each accessory package for information on installing accessories.

CONTROLS INSTALLATION

Constant Volume (CV) Units — The 50P2,P4 units may be used in applications with additional control features, options, or accessories. Refer to the appropriate accessory installation instructions for more information on installing that accessory. Control options and accessories available for CV units are:

- thermostats
- enthalpy sensor
- enthalpy switch
- relative humidity sensor
- CEM (controls expansion module)
- Navigator™ hand-held display

CONTROL WIRING — The unit can be controlled with a Carrier-approved accessory electro-mechanical or electronic thermostat that has two stages of cooling, two stages of heating control, and an output for fan control. The thermostat may also include time of day scheduling or use scheduling routines built into the *Comfort*Link controls.

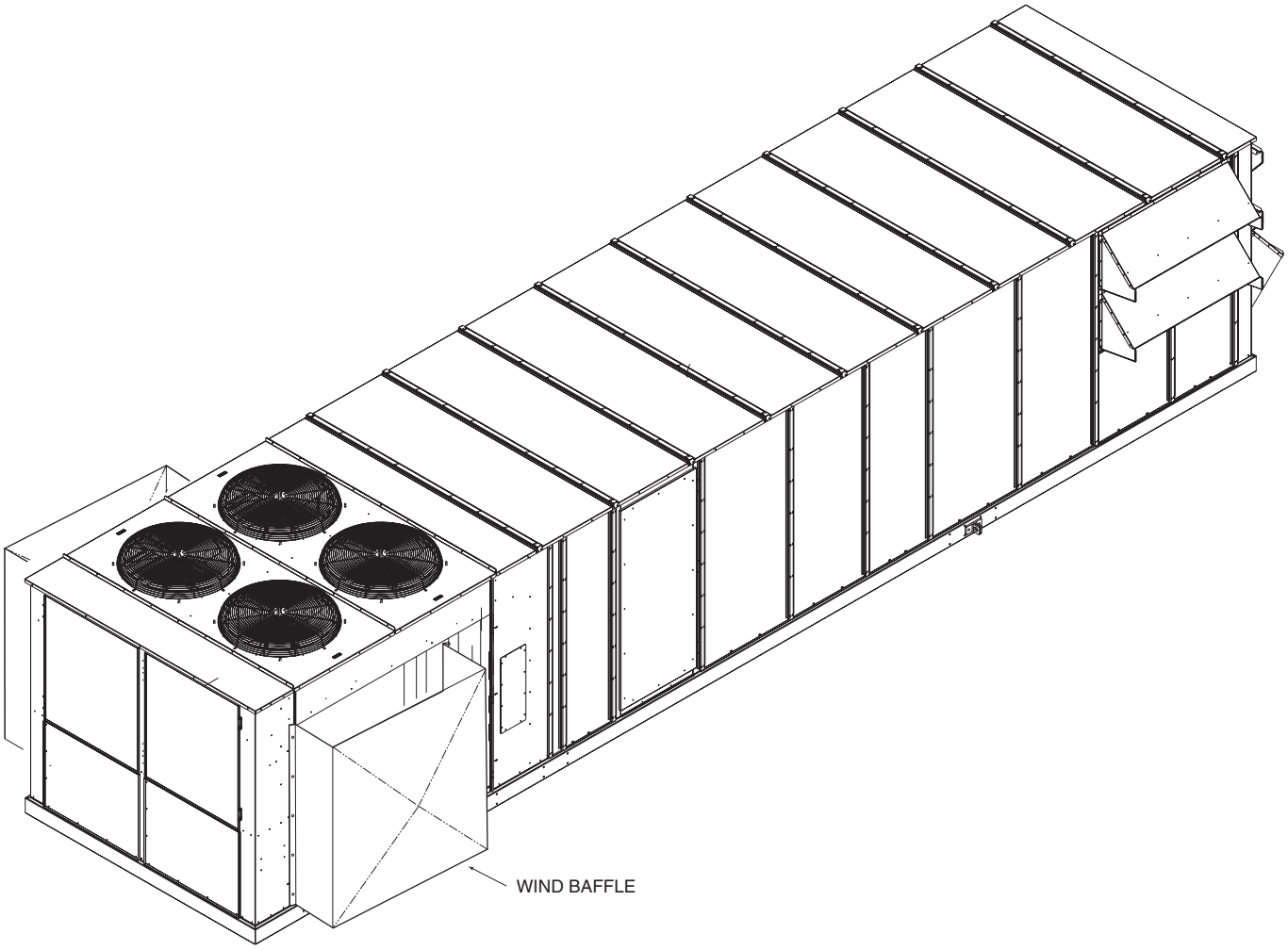
Install the thermostat according to the installation instructions shipped with the accessory thermostat. Locate thermostat assembly on a solid interior wall to sense average temperature.

Route thermostat cable or equivalent leads of colored wire from subbase terminals through conduit into the low voltage connections in the main control box. For thermostat TB201 connections, see Fig. 54.

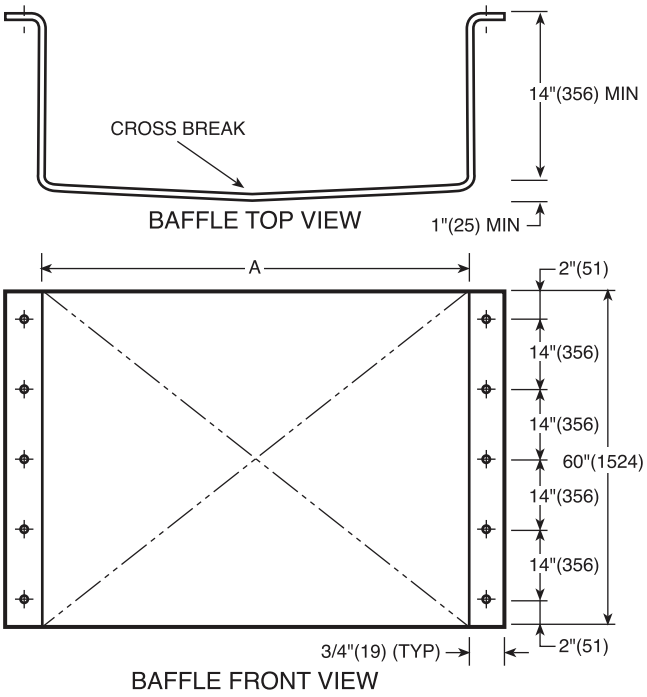
NOTE: For wire runs up to 50 ft, use no. 18 AWG (American Wire Gage) insulated wire (35 C minimum). For over 75 ft, use no. 14 AWG insulated wire (35 C minimum). All wire larger than no. 18 AWG cannot be directly connected at the thermostat and will require a junction box and splice at the thermostat.

Variable Air Volume (VAV) Units — The 50P3,P5 units may be used in applications with additional control features, options, or accessories. Refer to the appropriate accessory installation instructions for more information on installing that accessory. Refer to the Controls and Troubleshooting manual for more information concerning installation and configuration of options and accessories. Control options and accessories available for VAV units are:

- enthalpy sensor
- enthalpy switch
- relative humidity sensor
- CEM (controls expansion module)
- Navigator hand-held display



BAFFLE INSTALLATION LOCATION (SIZES 050 AND 060 SHOWN)



UNIT SIZE	QUANTITY	DIMENSION "A"	
		in.	mm
030,035	Not Used	—	—
040-060	2	78.125 ± 0.125	1984 ± 3
070-100	Not Used	—	—

NOTE: 50P030, 035, and 070-100 units do not require baffles.

Fig. 53 — Wind Baffle Details

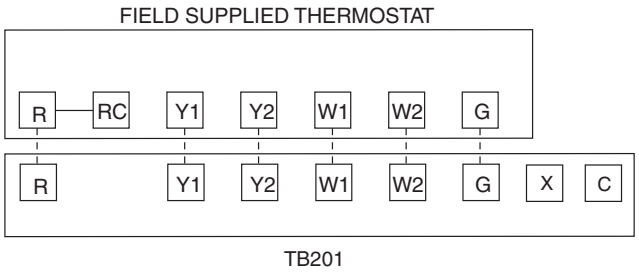


Fig. 54 — Field Control Thermostat Wiring

VAV CONTROL WIRING — The recommended types of control wiring are shown below:

MANUFACTURER	PART NO.	
	Regular Wiring	Plenum Wiring
Alpha	1895	—
American	A21451	A48301
Belden	8205	884421
Columbia	D6451	—
Manhattan	M13402	M64430
Quabik	6130	—

SENSORS — Sensors mounted external to the unit should be wired using single twisted pairs of 20 AWG (American Wire Gage) conductor cable rated for the application, except for the T-56 accessory sensor which requires 3-conductor cable.

HUMIDITY CONTROL AND HOT WATER AND STEAM VALVES — These devices require 20 AWG twisted pair conductor cables rated for the application for the 4 to 20 mA signal.

SPACE TEMPERATURE SENSOR (T-55) — The space temperature sensor (P/N 33ZCT55SPT), if used, is wired to terminals in the unit main control box. To connect the space temperature sensor, see Fig. 55.

SPACE TEMPERATURE SENSOR (T-56) — The space temperature sensor (P/N 33ZCT56SPT) wires are connected to terminals in the unit main control box. To connect the space temperature sensor, see Fig. 55.

COMMUNICATING SPACE TEMPERATURE SENSOR (T-58) — The communicating space temperature sensor (P/N 33ZCT58SPT) is wired to the CCN connections on TB201.

SPACE TEMPERATURE AVERAGING — Applications that require averaging using multiple space temperature sensors can be satisfied using either 4 or 9 sensors as shown in Fig. 56.

NOTE: Only Carrier sensors may be used for standard T-55 space averaging. Sensors must be used in multiples of 1, 4, and 9 only, with total sensors wiring not to exceed 1000 ft.

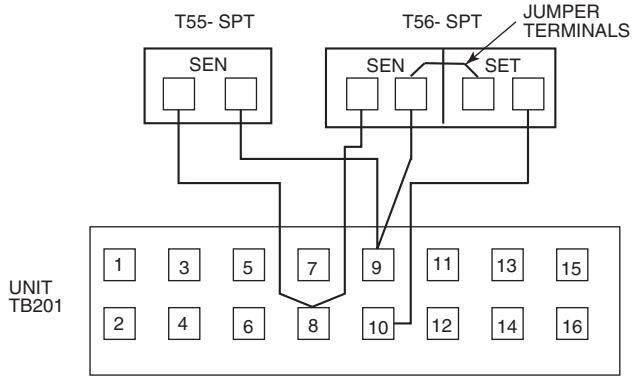


Fig. 55 — T-55 or T-56 Wiring

NOTE: Do not use T-56 sensors for space temperature averaging because the 5-degree offset function will not work in a multiple sensor application.

HEAT INTERLOCK RELAY (VAV Units Only — Not Necessary for Digital Air Volume Applications) — Variable air volume (VAV) units using morning warm-up and/or occupied heating require that room terminals be controlled to a position that provides the minimum required heating cfm or greater when the unit goes into Heating mode. The HIR (heat interlock relay) function is provided for this control. When the unit goes into Heating mode, the HIR is energized to provide switch closure or opening (depending on how the field-supplied power source is set up) to open the room terminals. The field connections for the HIR are at TB201, terminals 9 and 10. See Fig. 57.

Option and Accessory Control Wiring — The P Series units may be used in applications with additional control features, options, or accessories. Refer to the Controls and Troubleshooting manual for more information concerning installation and configuration of options and accessories. Figures 57-67 contain wiring information on the following features:

- Heat interlock relay (Fig. 57)
- Outdoor air enthalpy switch (Fig. 58)
- CO_2 space sensor (Fig. 59)
- Filter status switch (Fig. 60)
- Fan status switch (Fig. 61)
- Space humidity sensor (Fig. 62)
- Return air humidity sensor (Fig. 62)
- Return air CO_2 sensor (Fig. 63)
- Return air smoke detector (Fig. 64)
- Smoke control — fire shutdown (Fig. 65)
- Smoke control — purge (Fig. 66)
- Smoke control — evacuation (Fig. 66)
- Smoke control — pressurization (Fig. 66)
- CCN connections (Fig. 67)

Carrier Comfort Network® Interface — The 50P Series units can be connected to the CCN system if desired. The communication bus wiring is supplied and installed in the field. It consists of shielded, 3-conductor cable with shield wire.

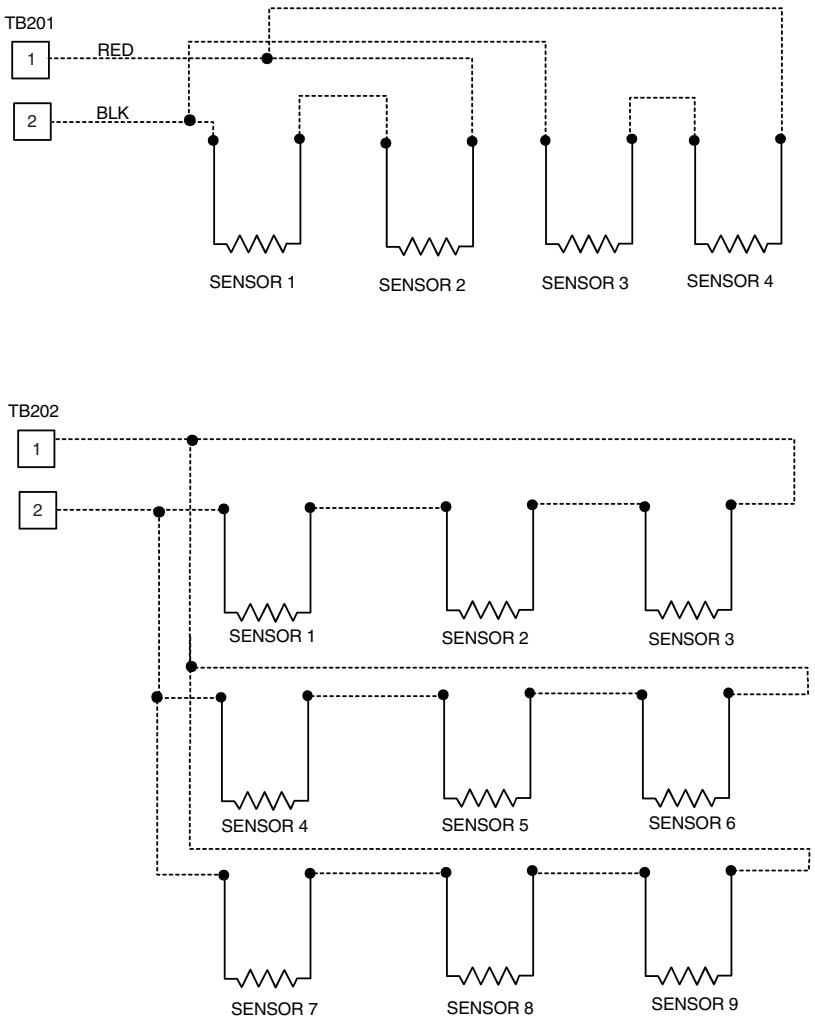
The system elements are connected to the communication bus in a daisy chain arrangement. The positive pin of each system element communication connector must be wired to the positive pins of the system element on either side of it, the negative pins must be wired to the negative pins, and the signal pins must be wired to common pins. Wiring connections for the CCN system should be made at the terminal block using the screw terminals. The board also contains an RJ14 CCN plug that can be used to connect a field service computer. There is also another RJ14 LEN connection that is used to download software or connect to a Navigator™ device.

NOTE: Conductors and drain wire must be 20 AWG minimum stranded, tinned copper. Individual conductors must be insulated with PVC, PVC/nylon, vinyl, Teflon*, or polyethylene. An aluminum/polyester 100% foil shield and an outer jacket of PVC, PVC/nylon, chrome vinyl, or Teflon with a minimum operating temperature range of –4 to 140 F (–20 C to 60 C) is required. See Table 28 for cables that meet the requirements.

Table 28 — CCN Connection Approved Shielded Cables

MANUFACTURER	CABLE PART NO.
Alpha	2413 or 5463
American	A22503
Belden	8772
Columbia	02525

* Registered trademark of DuPont.



NOTE: Use T-55 sensor only.

Fig. 56 — Space Temperature Averaging Wiring

IMPORTANT: When connecting the CCN communication bus to a system element, use a color coding system for the entire network to simplify installation and checkout.

The following color code is recommended:

SIGNAL TYPE	CCN BUS CONDUCTOR INSULATION COLOR	COMM1 PLUG PIN NO.
+	RED	1
COMMON	WHITE	2
–	BLACK	3

NOTE: If a cable with a different color scheme is selected, a similar color code should be adopted for the entire network.

At each system element, the shields of its communication bus cables must be tied together. If the communication bus is entirely within one building, the resulting continuous field must be connected to a ground at one point only. If the communication bus cable exits from one building and enters another, the shields must be connected to grounds at the lightning suppressor in each building where the cable enters or exits the building (one point per building only).

To connect the unit to the network (Fig. 67):

1. Turn off power to the control box.
2. Cut the CCN wire and strip the ends of the red (+), white (common) and black (–) conductors. (If a different network color scheme is used, substitute appropriate colors.)
3. Wire the CCN system to the screw terminals on the COMM board as follows (Fig. 67):
   a. Secure the red (+) wire to CCN screw terminal + on the COMM board.
   b. Secure the white (common) wire to CCN screw terminal C on the COMM board.
   c. Secure the black (–) wire to CCN screw terminal - on the COMM board.
   d. Secure shield wire to CCN screw terminal SHIELD on the COMM board.

IMPORTANT: A shorted CCN bus cable will prevent some routines from running and may prevent unit from starting. If abnormal conditions occur, unplug the connector. If conditions return to normal, check CCN connector, and run new cable if necessary. A short in one section of the bus can cause problems with all system elements on the bus.

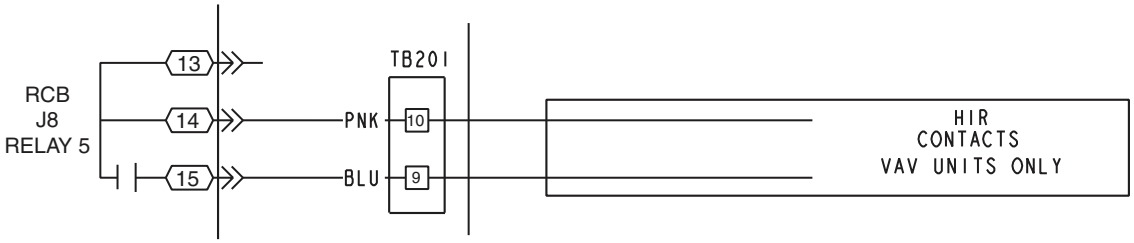


Fig. 57 — Heat Interlock Relay Wiring

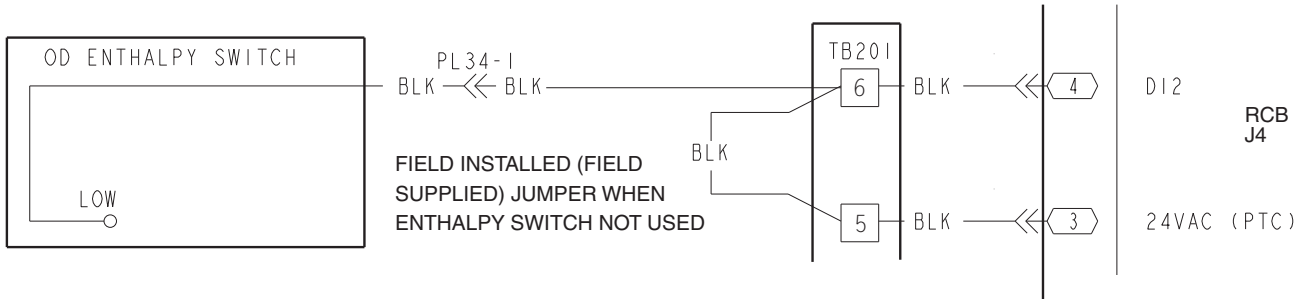


Fig. 58 — Outdoor Air Enthalpy Switch Wiring

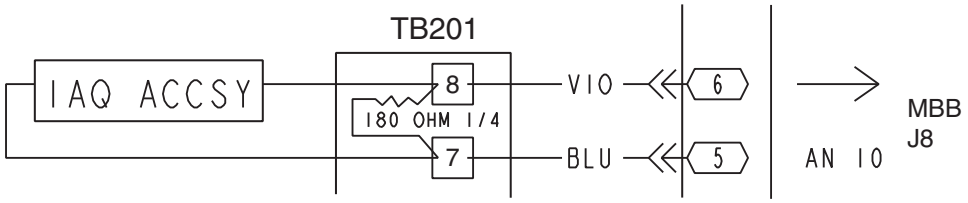


Fig. 59 — CO_2 Space Sensor Wiring

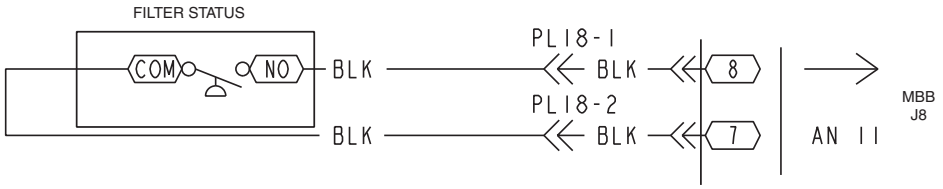


Fig. 60 — Filter Status Wiring

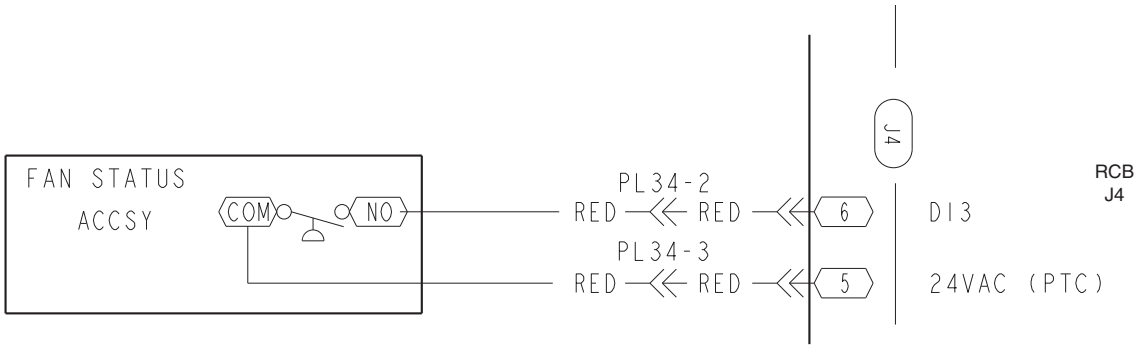


Fig. 61 — Fan Status Switch Wiring

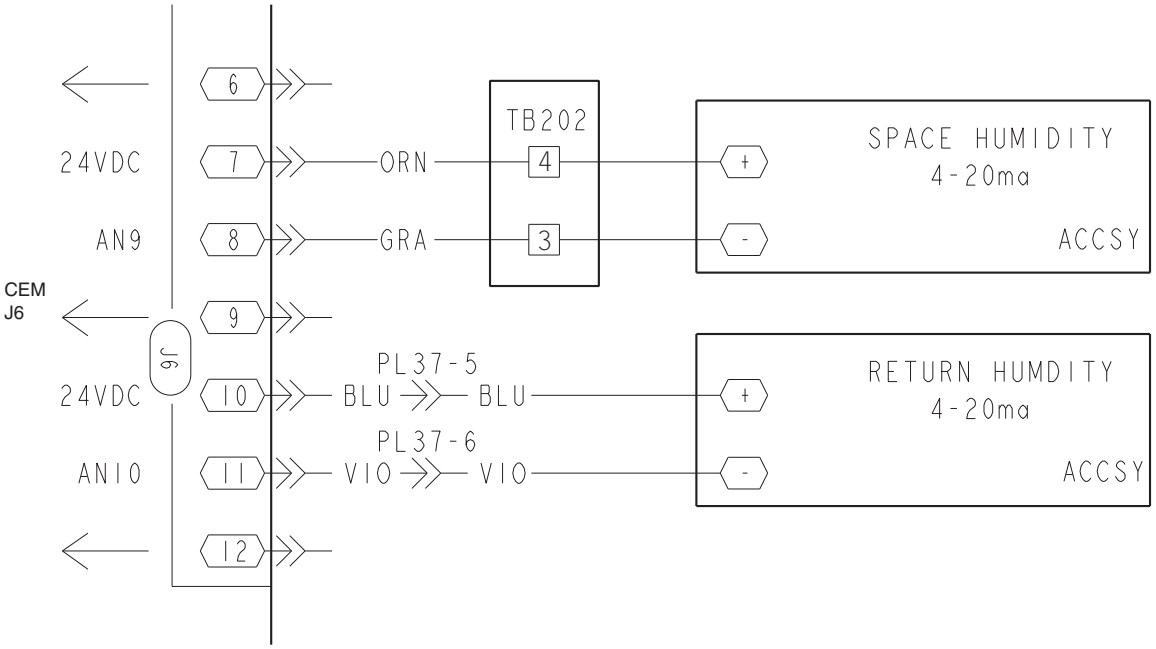


Fig. 62 — Space and Return Air Humidity Sensor Wiring

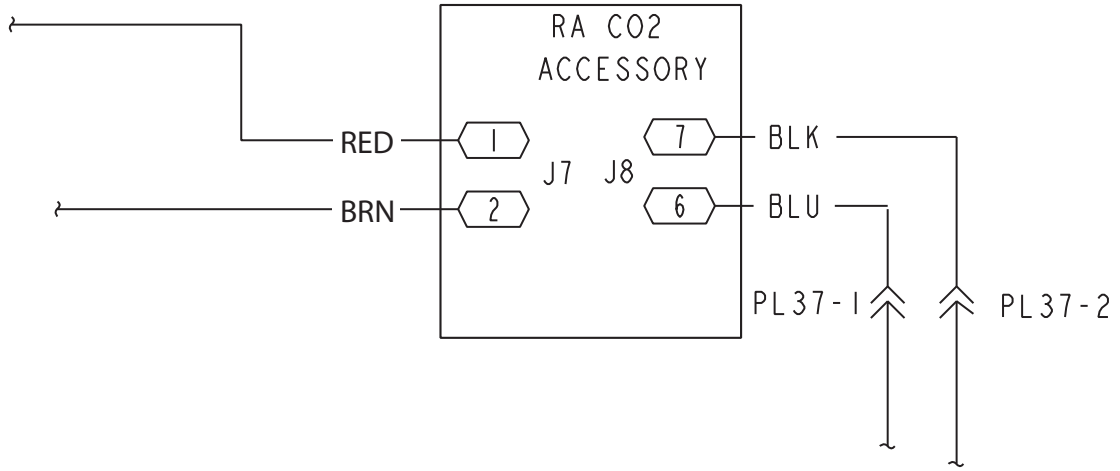


Fig. 63 — Return Air CO_2 Sensor Wiring

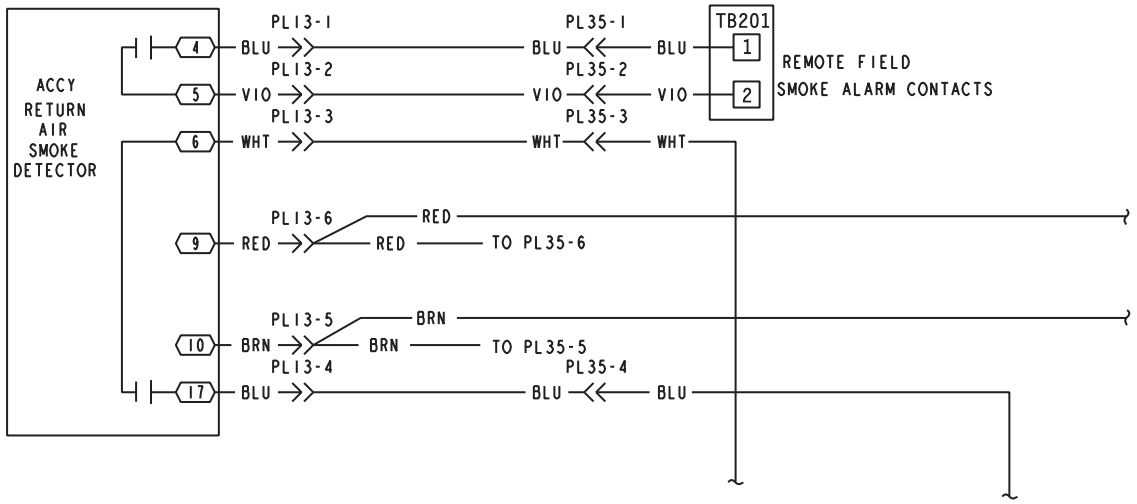


Fig. 64 — Return Air Smoke Detector Wiring

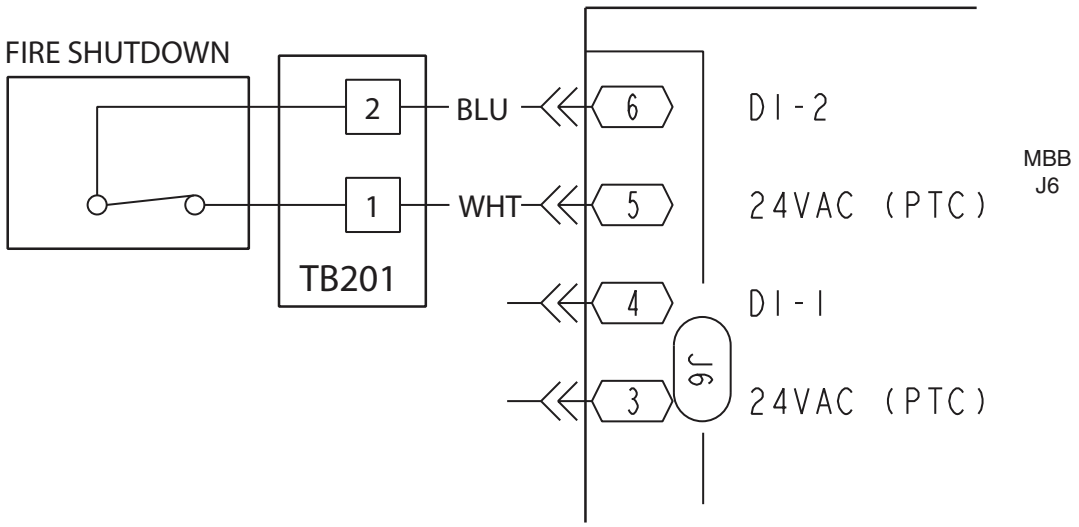


Fig. 65 — Fire Shutdown Wiring

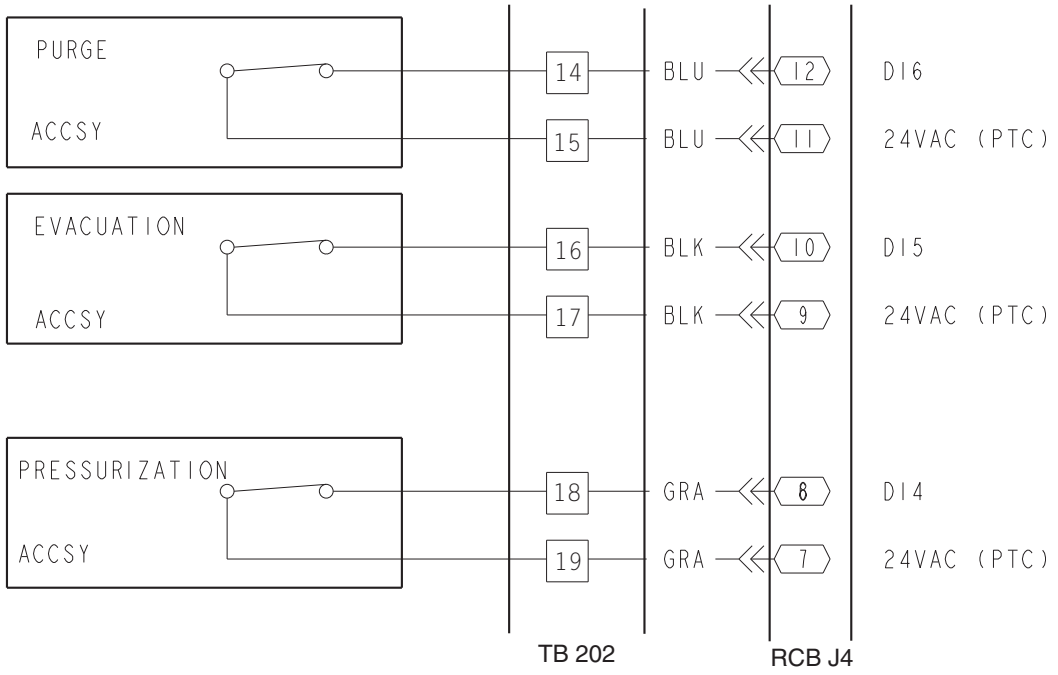


Fig. 66 — Purge, Evacuation, and Pressurization Wiring

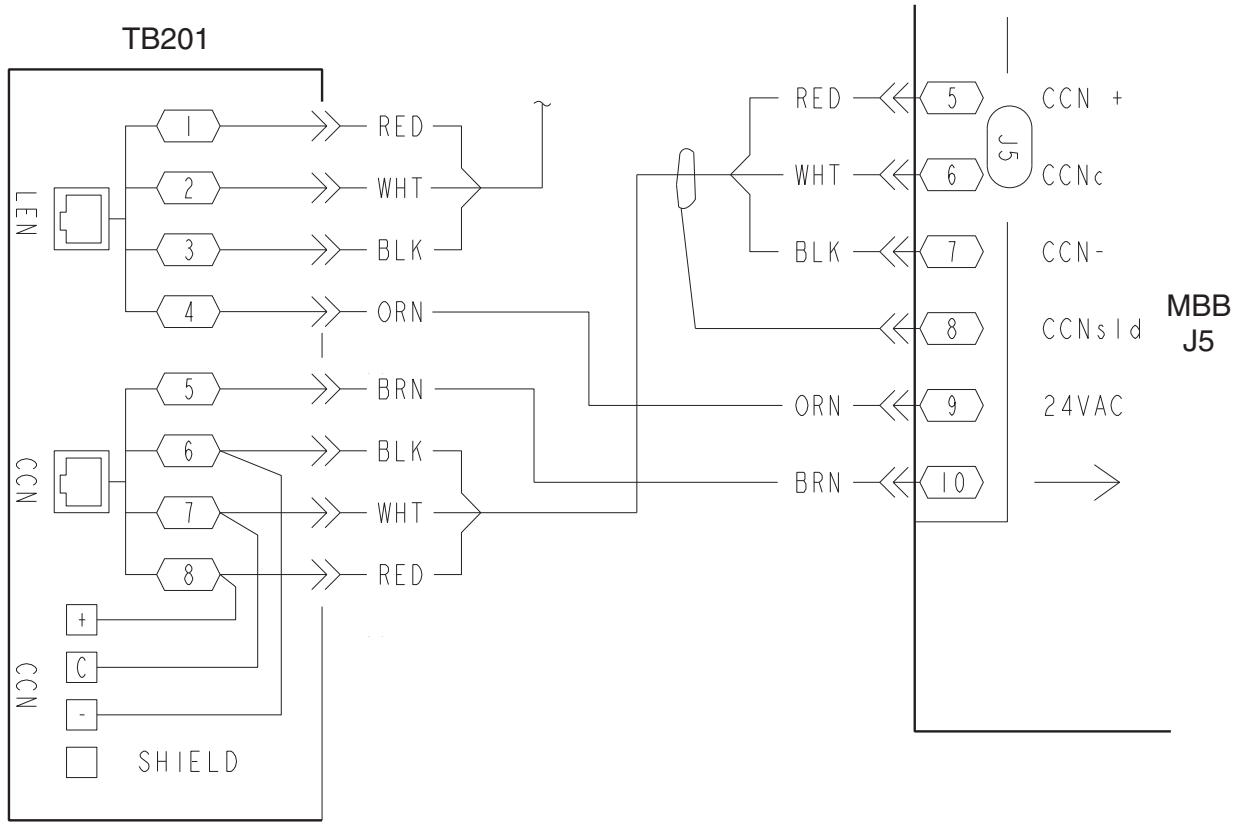


Fig. 67 — CCN Connections

Optional UPC Open Installation

WIRING THE UPC OPEN TO THE MS/TP NETWORK — The UPC Open controller communicates using BACnet* on an MS/TP network segment communications at 9600 bps, 19.2 kbps, 38.4 kbps, or 76.8 kbps.

Wire the controllers on an MS/TP network segment in a daisy-chain configuration. Wire specifications for the cable are 22 AWG (American Wire Gage) or 24 AWG, low-capacitance, twisted, stranded, shielded copper wire. The maximum length is 2000 ft.

Install a BT485 terminator on the first and last controller on a network segment to add bias and prevent signal distortions due to echoing. See Fig. 68-70.

To wire the UPC Open controller to the BAS network:

1. Pull the screw terminal connector from the controller's BAS Port.
2. Check the communications wiring for shorts and grounds.
3. Connect the communications wiring to the BAS port's screw terminals labeled Net +, Net -, and Shield.

NOTE: Use the same polarity throughout the network segment.

4. Insert the power screw terminal connector into the UPC Open controller's power terminals if they are not currently connected.
5. Verify communication with the network by viewing a module status report. To perform a module status report using the BACview keypad/display unit, press and hold the "FN" key then press the "." Key.

To install a BT485 terminator, push the BT485 terminator on to the BT485 connector located near the BACnet connector.

NOTE: The BT485 terminator has no polarity associated with it.

To order a BT485 terminator, consult Commercial Products i-Vu® Open Control System Master Prices.

MS/TP WIRING RECOMMENDATIONS — Recommendations are shown in Tables 29 and 30. The wire jacket and UL temperature rating specifications list two acceptable alternatives. The Halar specification has a higher temperature rating and a tougher outer jacket than the SmokeGard specification, and it is appropriate for use in applications where the user is concerned about abrasion. The Halar jacket is also less likely to crack in extremely low temperatures.

NOTE: Use the specified type of wire and cable for maximum signal integrity.

*Sponsored by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Table 29 — MS/TP Wiring Recommendations

SPECIFICATION	RECOMMMENDATION
Cable	Single twisted pair, low capacitance, CL2P, 22 AWG (7x30), TC foam FEP, plenum rated cable
Conductor	22 or 24 AWG stranded copper (tin plated)
Insulation	Foamed FEP 0.015 in. (0.381 mm) wall 0.060 in. (1.524 mm) O.D.
Color Code	Black/White
Twist Lay	2 in. (50.8 mm) lay on pair 6 twists/foot (20 twists/meter) nominal
Shielding	Aluminum/Mylar shield with 24 AWG TC drain wire
Jacket	SmokeGard Jacket (SmokeGard PVC) 0.021 in. (0.5334 mm) wall 0.175 in. (4.445 mm) O.D. Halar Jacket (E-CTFE) 0.010 in. (0.254 mm) wall 0.144 in. (3.6576 mm) O.D.
DC Resistance	15.2 Ohms/1000 feet (50 Ohms/km) nominal
Capacitance	12.5 pF/ft (41 pF/meter) nominal conductor to conductor
Characteristic Impedance	100 Ohms nominal
Weight	12 lb/1000 feet (17.9 kg/km)
UL Temperature Rating	SmokeGard 167°F (75°C) Halar -40 to 302°F (-40 to 150°C)
Voltage	300 Vac, power limited
Listing	UL: NEC CL2P, or better

LEGEND

AWG — American Wire Gage
CL2P — Class 2 Plenum Cable
DC — Direct Current
FEP — Fluorinated Ethylene Polymer
NEC — National Electrical Code
O.D. — Outside Diameter
TC — Tinned Copper
UL — Underwriters Laboratories

Table 30 — Open System Wiring Specifications and Recommended Vendors

WIRING SPECIFICATIONS		RECOMMENDED VENDORS AND PART NUMBERS			
Wire Type	**Description**	**Connect Air International**	**Belden**	**RMCORP**	**Contractors Wire and Cable**
MS/TP Network (RS-485)	22 AWG, single twisted shielded pair, low capacitance, CL2P, TC foam FEP, plenum rated. See MS/TP Installation Guide for specifications.	W221P-22227	—	25160PV	CLP0520LC
	24 AWG, single twisted shielded pair, low capacitance, CL2P, TC foam FEP, plenum rated. See MS/TP Installation Guide for specifications.	W241P-2000F	82841	25120-OR	—
Rnet	4 conductor, unshielded, CMP, 18 AWG, plenum rated.	W184C-2099BLB	6302UE	21450	CLP0442

LEGEND

AWG — American Wire Gage
CL2P — Class 2 Plenum Cable
CMP — Communications Plenum Rated
FEP — Fluorinated Ethylene Polymer
TC — Tinned Copper

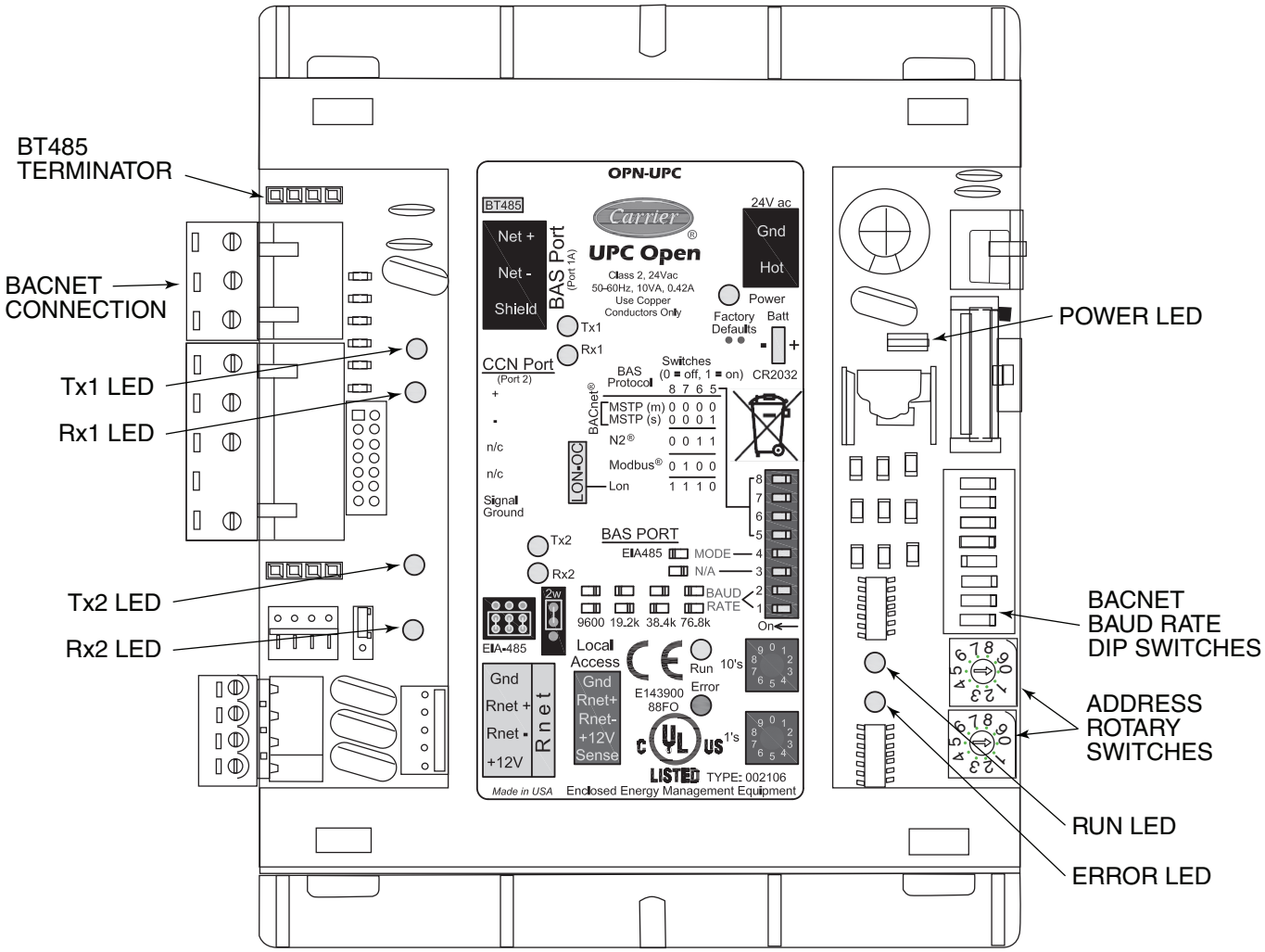


Fig. 68 — UPC Open Controller

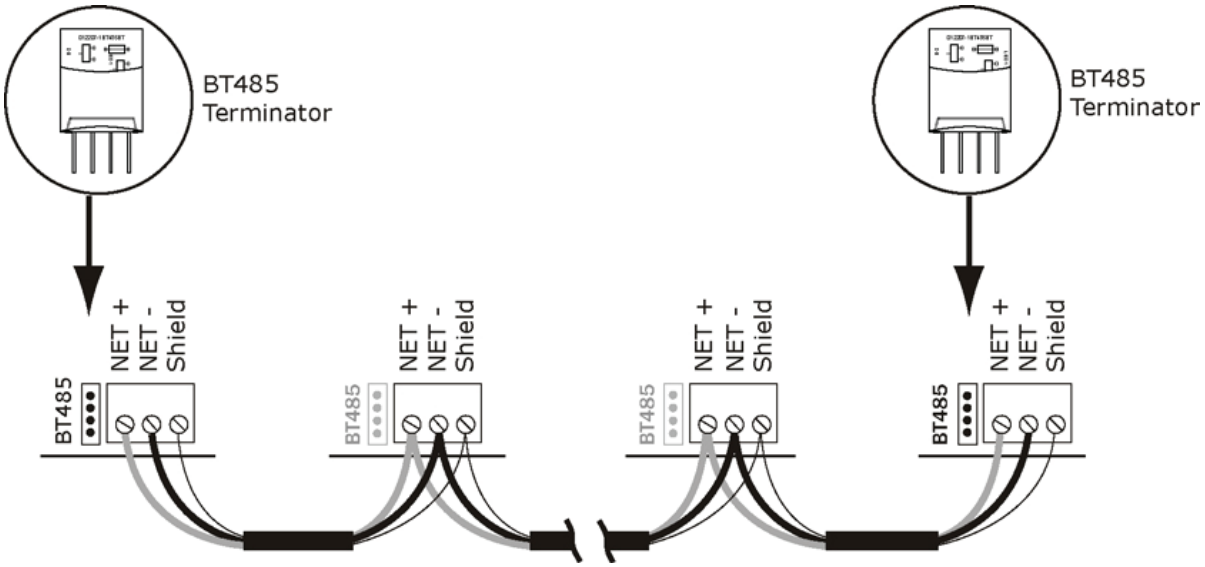


Fig. 69 — Open System Network Wiring

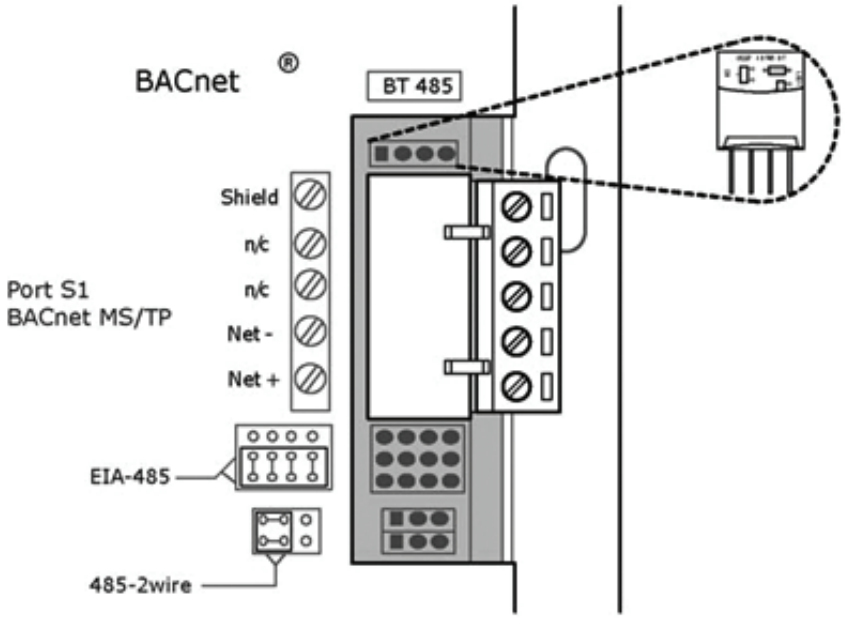


Fig. 70 — BT485 Installation

Smoke Control Modes — Rooftop units can be used for aid in building smoke control in the event of a building fire. The available functions include: Fire Shutdown, Pressurization, Evacuation, and Smoke Purge. These functions are enhanced when multiple rooftop units are used to zone a building. See Table 31 and Fig. 65 and 66.

FIRE SHUTDOWN — Fire Shutdown mode terminates all unit operation (cooling, heating, supply fan, and power exhaust). This mode prevents recirculation of contaminated air back into the space. The mode will not allow admission into the space of unsuitable outside air. See Fig. 65 for wiring.

PRESSURIZATION — Pressurization mode is intended to keep smoke out of a zone. The factory-installed optional economizer is required for this function. Pressurization is accomplished by the following:

- opening the economizer (option)
- running the supply fan (optional inlet guide vanes open or optional VFD at normal duct static pressure set point)
- closing the power exhaust dampers (if installed as option or accessory)
- shutting off the power exhaust fans (if installed as option or accessory)

This allows the space to be overpressurized relative to adjacent zones and prevents or slows entry of smoke into this space from adjacent zones. See Fig. 66 for wiring.

EVACUATION — Evacuation mode removes smoke or undesirable air from interior spaces without reintroducing unsuitable air. The factory-installed optional economizer with option or accessory power exhaust is required for this function. Evacuation is accomplished by the following:

- turning the supply fan off
- opening the economizer (option required)
- running the exhaust fans (option or accessory required)
- opening the exhaust dampers.

See Fig. 66 for wiring.

SMOKE PURGE — Smoke Purge mode removes smoke from the interior spaces and replaces it with fresh outside air. The factory-installed optional economizer with option or accessory power exhaust are required for this function. Smoke purge is accomplished by the following:

- turning supply fan on
- opening the economizer (option required)
- running the exhaust fans (option or accessory required)
- opening the exhaust dampers

See Fig. 66 for wiring.

SMOKE CONTROL INSTALLATION — Implementation of the various Smoke Control Modes on these units requires the installer to modify the unit wiring to add contacts (via either manual switches or relays) that will selectively interrupt and override standard factory control sequences. See Table 31 and Fig. 65 and 66 for more information.

Table 31 — Smoke Control Modes

FUNCTION	MODE			
	Fire Shutdown	Pressurization	Evacuation*	Smoke Purge*
Supply Fan	Off	On	Off	On
VFD†	—	Open/On	—	Open/On
Economizer	Closed	Open	Open	Open
Return Air Damper	Open	Closed	Closed	Closed
Exhaust Fans	Off	Off	On	On
Exhaust Damper	Closed	Closed	Open	Open

LEGEND

VAV — Variable Air Volume
VFD — Variable Frequency Drive

*Power exhaust option required for this mode.
†Applicable to VAV units with appropriate options.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

Catalog No. 04-53500120-01 Printed in U.S.A. Form 50P-7SI Pg 128 514 7-13 Replaces: 50P-6SI