



Installation Instructions

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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.

⚠ 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.

⚠ WARNING

CARBON-MONOXIDE POISONING HAZARD

Failure to follow instructions could result in severe personal injury or death due to carbon-monoxide poisoning, if combustion products infiltrate into the building.

Check that all openings in the outside wall around the vent (and air intake) pipe(s) are sealed to prevent infiltration of combustion products into the building.

Check that furnace vent (and air intake) terminal(s) are not obstructed in any way during all seasons.

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 1-12.

Step 3 — Roof Mount Unit — Check building codes for weight distribution requirements. Unit weight is shown in Tables 1-3. 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 1 — 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		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		17.1/17.5		
Standard Evaporator with Humidi-MiZer®	15.4/24.9		17.1/27.6		
Alternate High-Capacity Evaporator Coil	17.2/16.0		N/A		
Alternate High-Capacity Evaporator with Humidi-MiZer	17.2/26.1		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			1 32.1 TXV...1		
Quantity					
Total Face Area (sq ft)					
Refrigerant Feed Device...No. per Circuit					
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		8,750		
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...5VX650
Center Distance Range (in.)	17.74-14.30		17.63...14.01		17.63...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
Motor Frame Size	56HZ		184T		213T
	182T		184T		213T
Efficiency at Full Load (%) High/Premium	81.0/88.5		87.5/89.5		88.5/91.7
Fan Pulley Pitch Diameter (in.)	11		10.4		12
	11.0		10.4		12
Motor Pulley Pitch Diameter Range (in.)	4.1-3.1		4.7-3.7		6.0-4.8
	4.1-3.1		4.7-3.7		6.0-4.8
Motor Pulley Pitch Diameter Factory Setup (in.)	4.1		4.2		5.4
Blower Shaft Diameter at Pulley (in.)	1 ⁷ / ₁₆		1 ⁷ / ₁₆		1 ⁷ / ₁₆
Fan Rpm Range	500-656		621-785		717-882
Factory Setup Fan Rpm	656		703		800
Maximum Allowable Rpm	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.)	6...20 x 24 x 22, 6...20 x 20 x 22		6...20 x 24 x 22, 6...20 x 20 x 22		
Bag Filter	12...16 x 20 x 2, 3...20 x 24 x 2		12...16 x 20 x 2, 3...20 x 24 x 2		
Prefilter					
MERV 15 Cartridge Filters with High Velocity Prefilters (Opt)					
Quantity...Size (in.)	6...20 x 24 x 12, 6...20 x 20 x 12		6...20 x 24 x 12, 6...20 x 20 x 12		
Cartridge Filter	12...16 x 20 x 2, 3...20 x 24 x 2		12...16 x 20 x 2, 3...20 x 24 x 2		
Prefilter					
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 10 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 1 — 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				35.2/36.5			
Alternate High-Capacity Evaporator with Humidi-MiZer	31.1/49.6				35.2/48.9			
CONDENSER COILS					Aluminum Novation® Heat Exchanger with Microchannel Coils			
Quantity	2				2			
Total Face Area (sq ft)	66.7				66.7			
EVAPORATOR COILS					1 45.5 TXV...2			
Quantity								
Total Face Area (sq ft)								
Refrigerant Feed Device...No. per Circuit								
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	56HZ 182T		184T 184T		213T 213T		215T 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.)	11 11.0		10.4 10.4		12 12		12 12	
Motor Pulley Pitch Diameter Range (in.)	4.1-3.1 4.1-3.1		4.7-3.7 4.7-3.7		6.0-4.8 6.0-4.8		7.0-5.8 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.)	6...20 x 24 x 22, 6...20 x 20 x 22 12...16 x 20 x 2, 3...20 x 24 x 2				6...20 x 24 x 22, 6...20 x 20 x 22 12...16 x 20 x 2, 3...20 x 24 x 2			
MERV 15 Cartridge Filters with High Velocity Prefilters (Opt)								
Quantity...Size (in.)	6...20 x 24 x 12, 6...20 x 20 x 12 12...16 x 20 x 2, 3...20 x 24 x 2				6...20 x 24 x 12, 6...20 x 20 x 12 12...16 x 20 x 2, 3...20 x 24 x 2			
OUTSIDE AIR SCREENS					None		None	
Standard Hood (25%) Quantity...Size (in.)								
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 10 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 2 — 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	2...ZP137/2...ZP137		Scroll 2...ZP154/2...ZP154		1...ZP154,1...ZP182/1...ZP154,1...ZP182	
Quantity...Type						
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		37.6/37.9		39.5/42.0	
Standard Evaporator with Humidi-MiZer®	37.6/50.3		37.6/50.3		39.5/54.4	
Alternate High-Capacity Evaporator Coil	43.5/42.8		44.6/43.5		49.0/50.0	
Alternate High-Capacity Evaporator with Humidi-MiZer	43.5/55.2		44.6/55.9		49.0/62.4	
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		36,000		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.)	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	
Bag Filter 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.)	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	
Cartridge Filter 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		4...25 x 16 x 1		4...25 x 16 x 1	
	2...20 x 16 x 1		2...20 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		12...16 x 25 x 1		12...16 x 25 x 1	
	2...16 x 20 x 1		2...16 x 20 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 10 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 3 — 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	8665	9215	9265	9815	9285	9835
Vertical Discharge	—	—	—	—	—	—
Horizontal Discharge and Vertical Discharge with Discharge Plenum	—	—	—	—	—	—
With Economizer	9195	9745	9795	10,345	9815	10,365
Vertical Discharge	—	—	—	—	—	—
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	39.5/42.0		50.4/51.3		50.8/52.8	
Standard Evaporator Coil	39.5/54.0		50.4/69.1		50.8/70.6	
Standard Evaporator with Humidi-MiZer®	49.0/50.0		61.5/62.9		59.3/62.8	
Alternate High-Capacity Evaporator Coil	49.0/62.4		61.5/80.7		59.3/80.6	
Alternate High-Capacity Evaporator with Humidi-MiZer	—		—		—	
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	2					
Quantity	61.5					
Total Face Area (sq ft)	TXV...2					
Refrigerant Feed Device...No. per Circuit	—					
Standard Evaporator Coils	4...15		4...15		4...15	
Rows...Fins/in.	Double Wavy		Double Wavy		Double Wavy	
Fin Type	Cross Hatched		Cross Hatched		Cross Hatched	
Tube Type	—		—		—	
Alternate, High-Capacity Evaporator Coils	6...16		6...16		6...16	
Rows...Fins/in.	Double Wavy		Double Wavy		Double Wavy	
Fin Type	Cross Hatched		Cross Hatched		Cross Hatched	
Tube Type	—		—		—	
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	60	60
Motor Frame Size	S268T	S324T	S326T	S364T	S364T	S364T
Efficiency at Full Load (%)	—	—	—	—	—	—
High Efficiency	92.4	93.0	93.0	93.6	94.1	94.1
Premium Efficiency	93.6	94.5	94.5	95.4	95.4	95.4
Fan Pulley Pitch Diameter (in.)	18.5	18.5	18.5	18.5	18.5	18.5
Motor Pulley Pitch Diameter (in.)	5.3	5.7	6.5	7.1	7.1	7.1
Resulting Fan Rpm	501	539	615	672	672	672
Belts Quantity...Type	3...5VX1320	4...5VX1320	4...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	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	75
Motor Frame Size	S268T	S324T	S326T	S364T	365T	365T
Efficiency at Full Load (%)	—	—	—	—	—	—
High Efficiency	92.4	93.0	93.0	93.6	94.1	94.1
Premium Efficiency	93.6	94.5	94.5	95.4	95.4	95.4
Fan Pulley Pitch Diameter (in.)	9.7	10.2	8.9	8.9	10.8	10.8
Motor Pulley Pitch Diameter (in.)	7.5	8.7	8.1	8.7	11.1	11.1
Resulting Fan Rpm	1353	1493	1593	1711	1799	1799
Belts Quantity...Type	2...5VX1150	2...5VX1180	3...5VX1150	3...5VX1150	3...5VX1230	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	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	88.5	89.5	89.5	89.5
Premium Efficiency	89.5	91.7	91.7	91.7	91.7	91.7
Fan Pulley Pitch Diameter (in.)	10.6	10.6	10.6	10.6	10.6	10.6
Motor Pulley Pitch Diameter (in.)	4.5	5.0	5.0	5.6	5.6	5.6
Shaft Diameter at Pulley (in.)	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆	1 ⁷ / ₁₆
Resulting Fan Rpm	740	820	820	920	920	920
Maximum Allowable Rpm	1000	1000	1000	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		4...25 x 16 x 1		4...25 x 16 x 1	
	2...20 x 16 x 1		2...20 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		12...16 x 25 x 1		12...16 x 25 x 1	
	2...16 x 20 x 1		2...16 x 20 x 1		2...16 x 20 x 1	

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TXV — Thermostatic Expansion Valve

* See page 7 for Table 6 — Optional High-Capacity Power Exhaust Specifications. See Table 10 — Optional Power Exhaust Fan Drive Data on page 8 for more information.

Table 4 — 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.)	(1) 2½ NPT	(2) 1½ NPT
Return (in.)	(1) 2½ NPT	(2) 1½ NPT
HEADER MATERIAL	Steel	Steel
INTERNAL VOLUME (cu ft)	0.5272	0.6327

Table 5 — 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 6 — 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 7 — 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 8 — 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 9 — 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...5VX1150**
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 10 — 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 11 — 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 12 — 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.

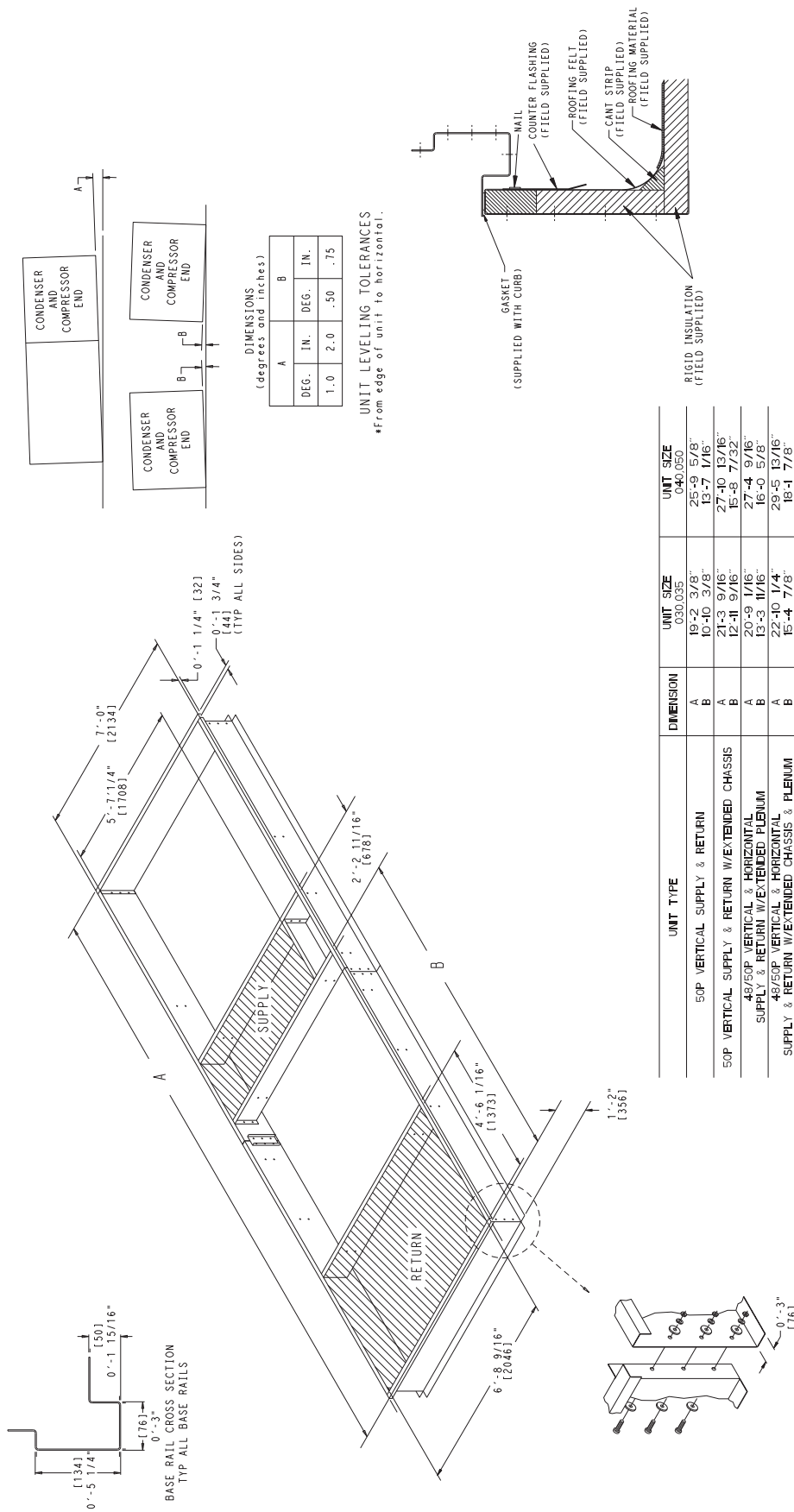
To attach ductwork to roof curb, insert duct approximately 10 to 11-in. up into roof curb. Connect ductwork to 14-gage roof curb material with sheet metal screws driven from inside the duct. To attach ductwork to unit flanges, insert duct approximately 3-in. over the flanges. Connect ductwork to 14-gage 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 1-3 and 8. 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.



UNIT TYPE	DIMENSION	UNIT SIZE	UNIT SIZE
50P VERTICAL SUPPLY & RETURN	A	19-2 3/8"	030.035
	B	10-10 3/8"	25-9 5/8"
50P VERTICAL SUPPLY & RETURN W/EXTENDED CHASSIS	A	21-3 9/16"	13-7 1/16"
	B	12-11 9/16"	27-10 13/16"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED PLENUM	A	20-9 1/16"	15-5 7/32"
	B	13-3 11/16"	27-4 9/16"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED CHASSIS & PLENUM	A	22-10 1/4"	16-0 5/8"
	B	19-4 7/8"	28-5 17/16"
			18-1 7/8"

Fig. 1 — Roof Curb — Sizes 030-050

(CORNER CONNECTIONS AND SPLICE PLATE CONNECTIONS)

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

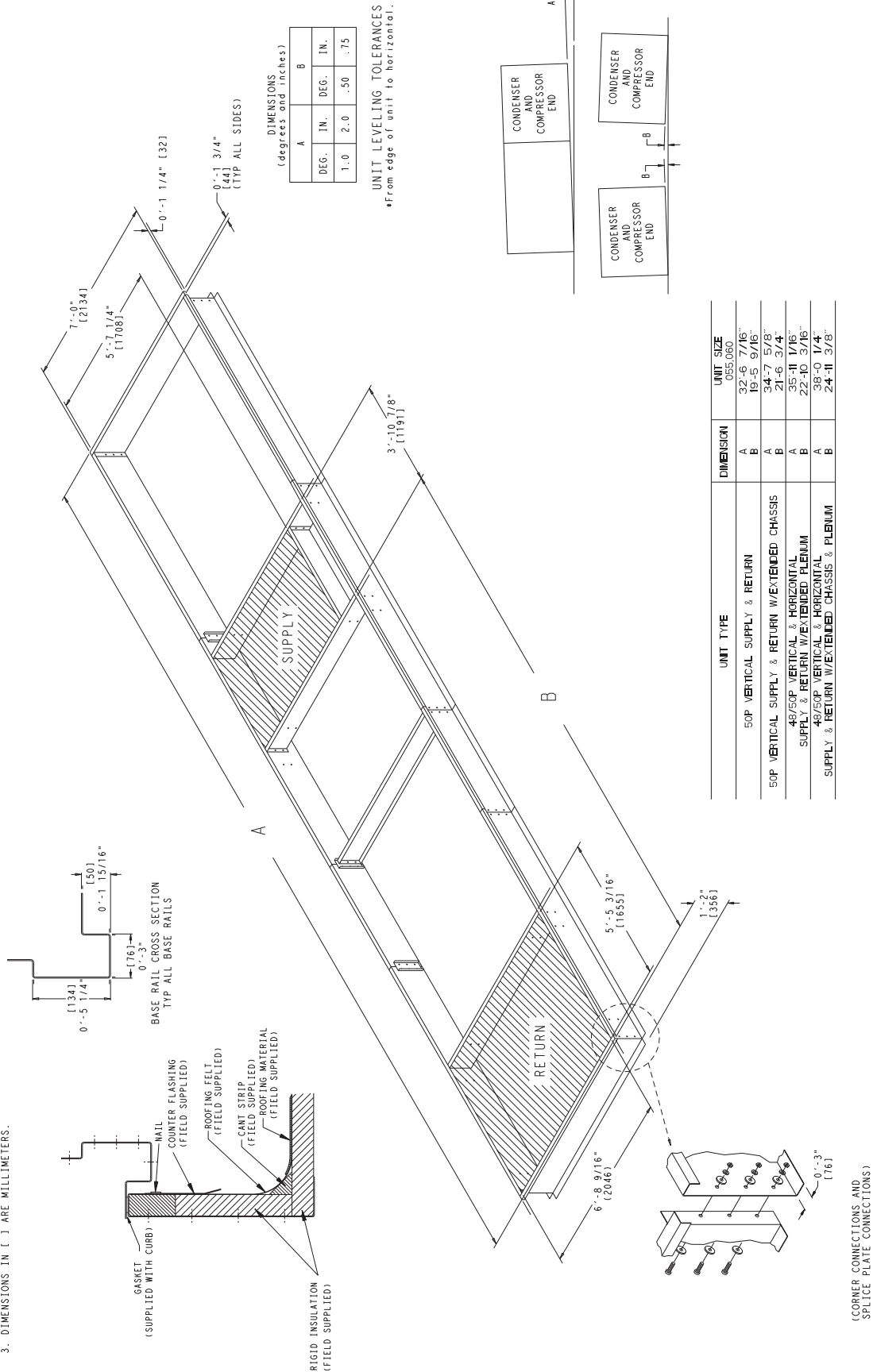
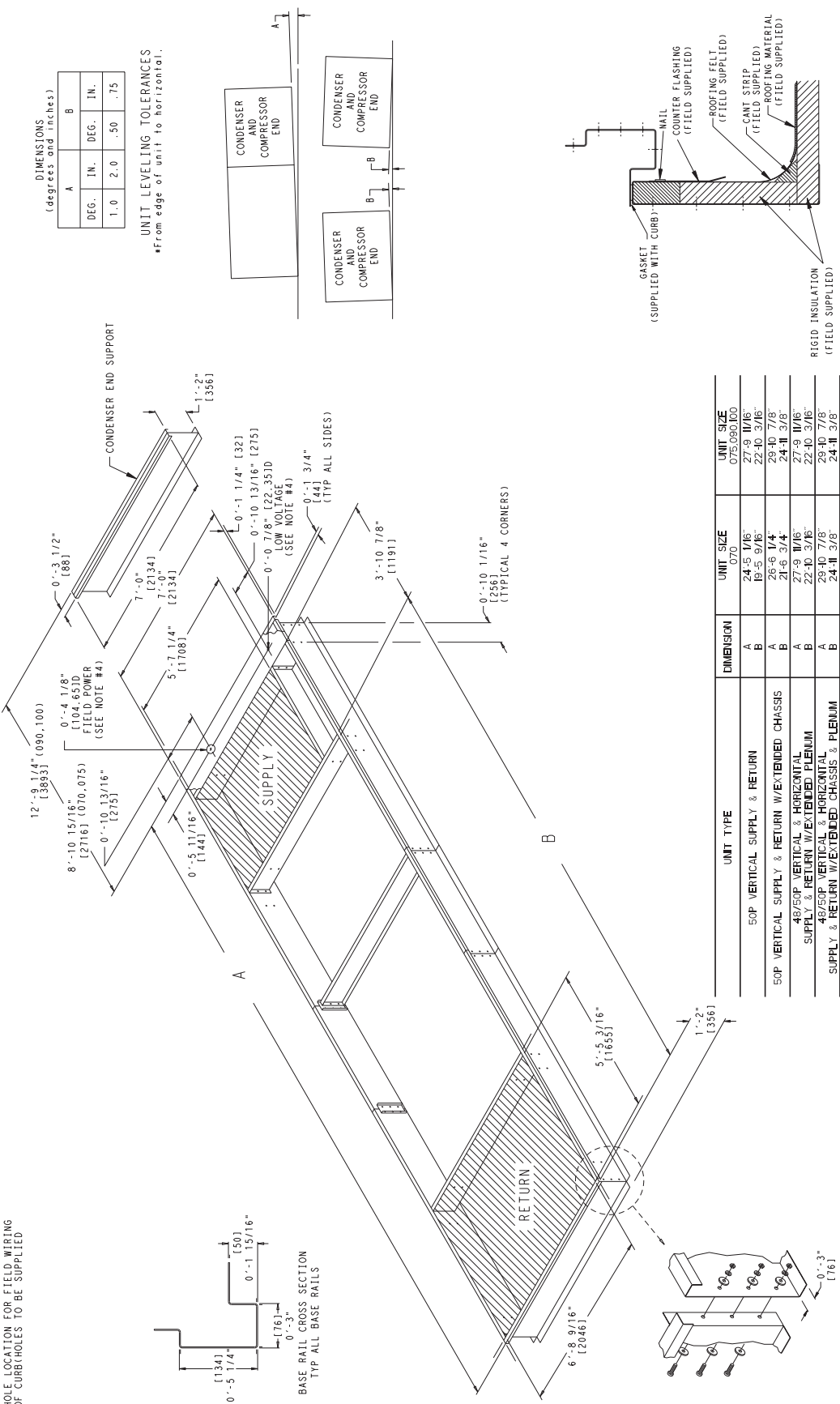


Fig. 2 — Roof Curb — Sizes 055, 060

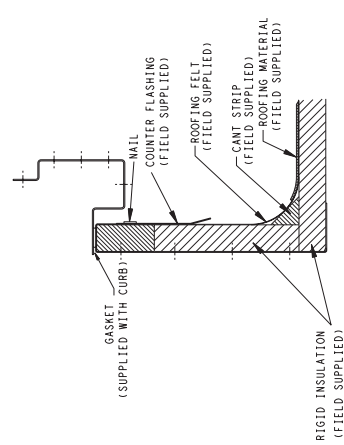
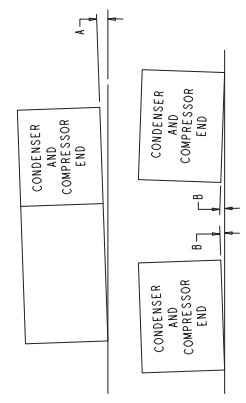
- NOTES:
1. ROOF CURB ACCESSORY IS SHIPPED DISASSEMBLED.
 2. ROOF CURB: 14 GA. (VA03-56) STL.
 3. DIMENSIONS IN [] ARE MILLIMETERS.
 4. SUGGESTED HOLE LOCATION FOR FIELD WIRING THROUGH ROOF CURB (HOLES TO BE SUPPLIED BY FIELD).



DIMENSIONS
(degrees and inches)

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

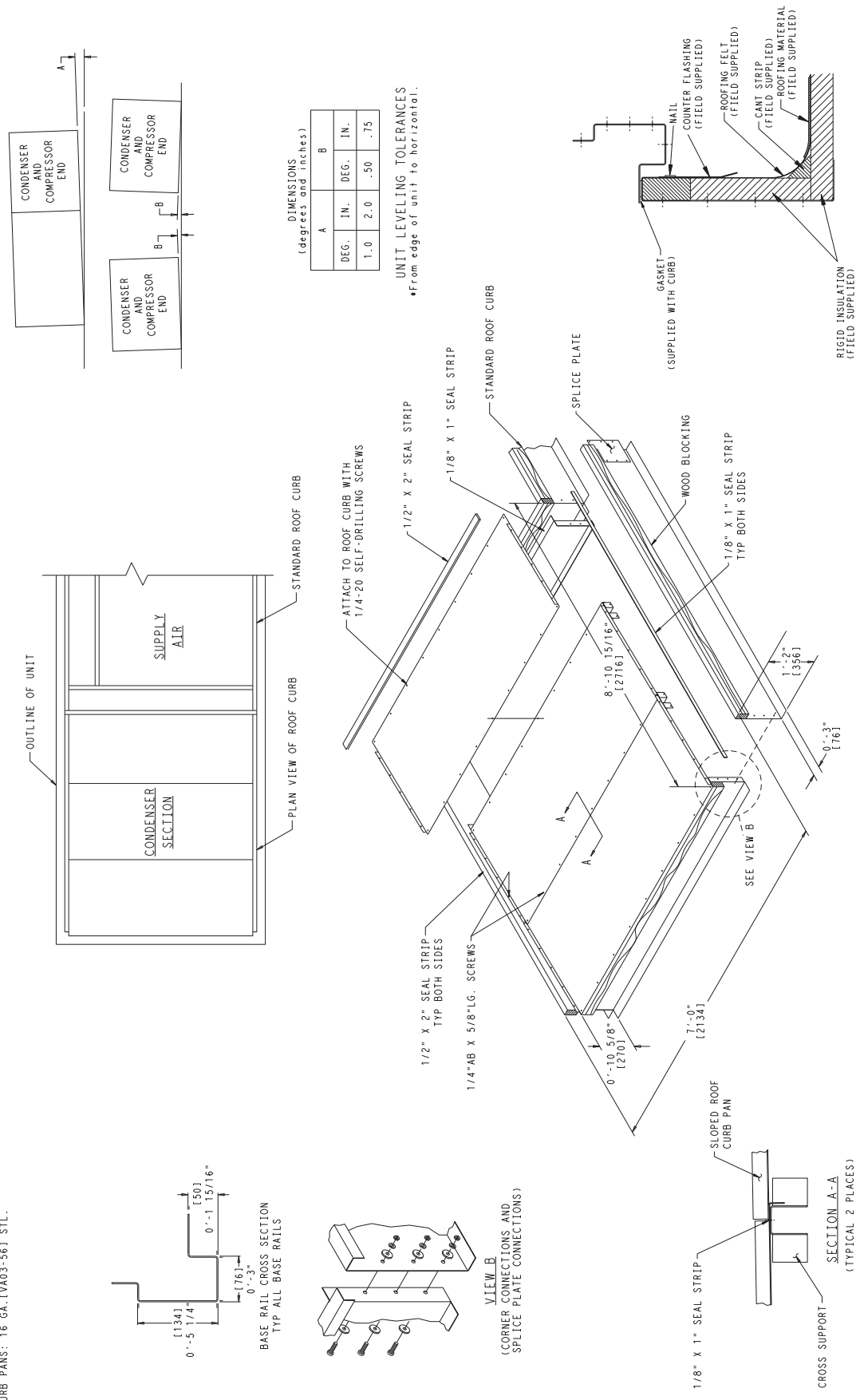
UNIT LEVELING TOLERANCES
*From edge of unit to horizontal.



UNIT TYPE	DIMENSION	UNIT SIZE	UNIT SIZE
50P VERTICAL SUPPLY & RETURN	A	24-5 1/16"	070
	B	19-5 9/16"	075, 090, 100
50P VERTICAL SUPPLY & RETURN W/EXTENDED CHASSIS	A	26-6 1/4"	27-9 11/16"
	B	21-6 3/4"	22-10 3/16"
48/50P VERTICAL & HORIZONTAL SUPPLY & RETURN W/EXTENDED PLENUM	A	27-9 11/16"	29-10 7/8"
	B	22-10 3/16"	24-11 3/8"
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 CRFCURB070A00 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.
1.0	2.0
	.50
	.75

UNIT LEVELING TOLERANCES
 • From edge of unit to horizontal.

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

- NOTES:
1. ROOF CURB ACCESSORY CRFCURB071A00 IS SHIPPED DISASSEMBLED.
 2. DIMENSIONS IN [] ARE MILLIMETERS.
 3. ROOF CURB: 14 GA. [VA03-56] STL.
ROOF CURB PANS: 16 GA. [VA03-56] STL.

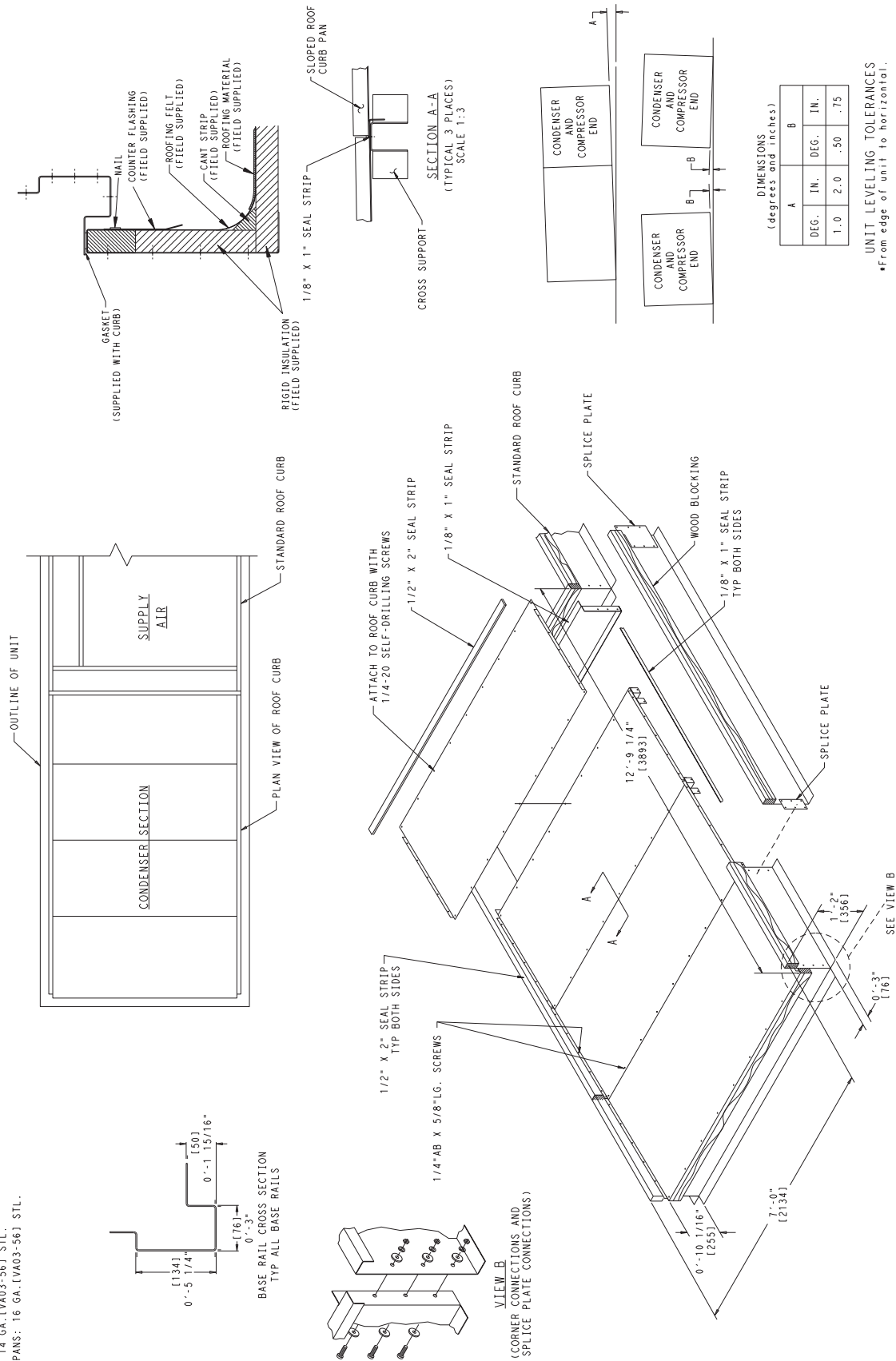


Fig. 5 — Condenser Section Roof Curb (Sizes 090 and 100)

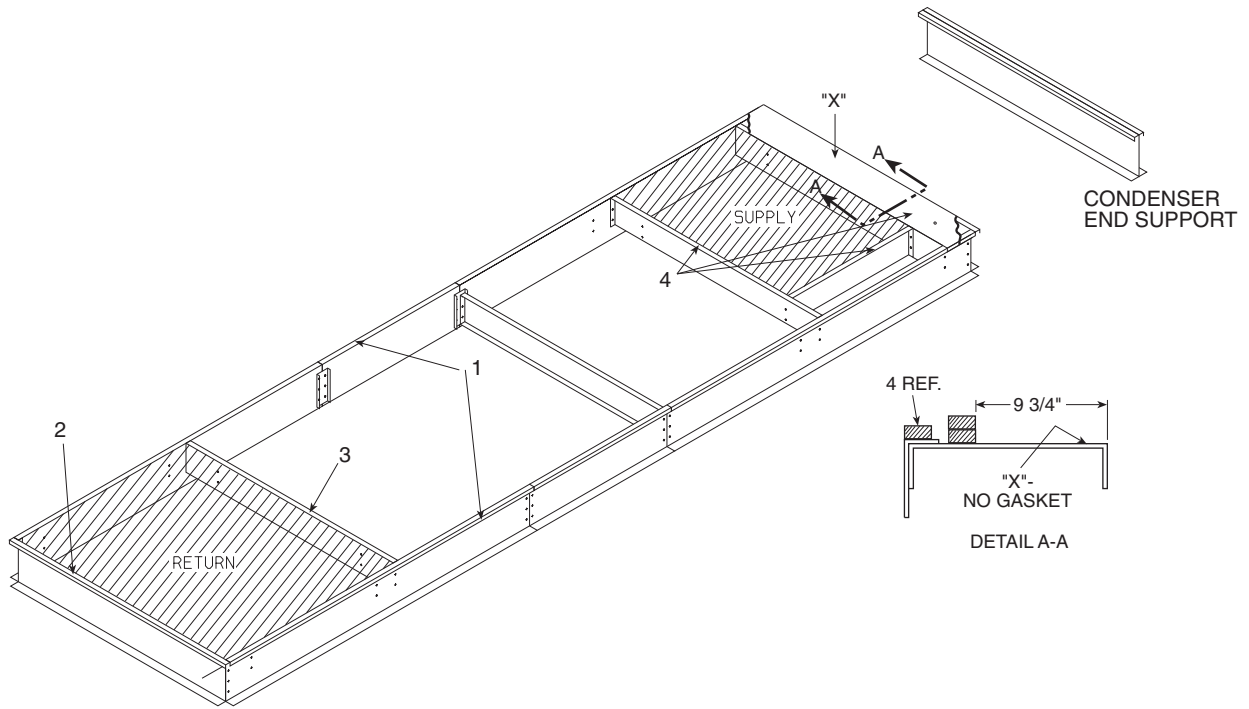


Fig. 6 — Gasket Location on Roof Curb (Size 070-100 Units)

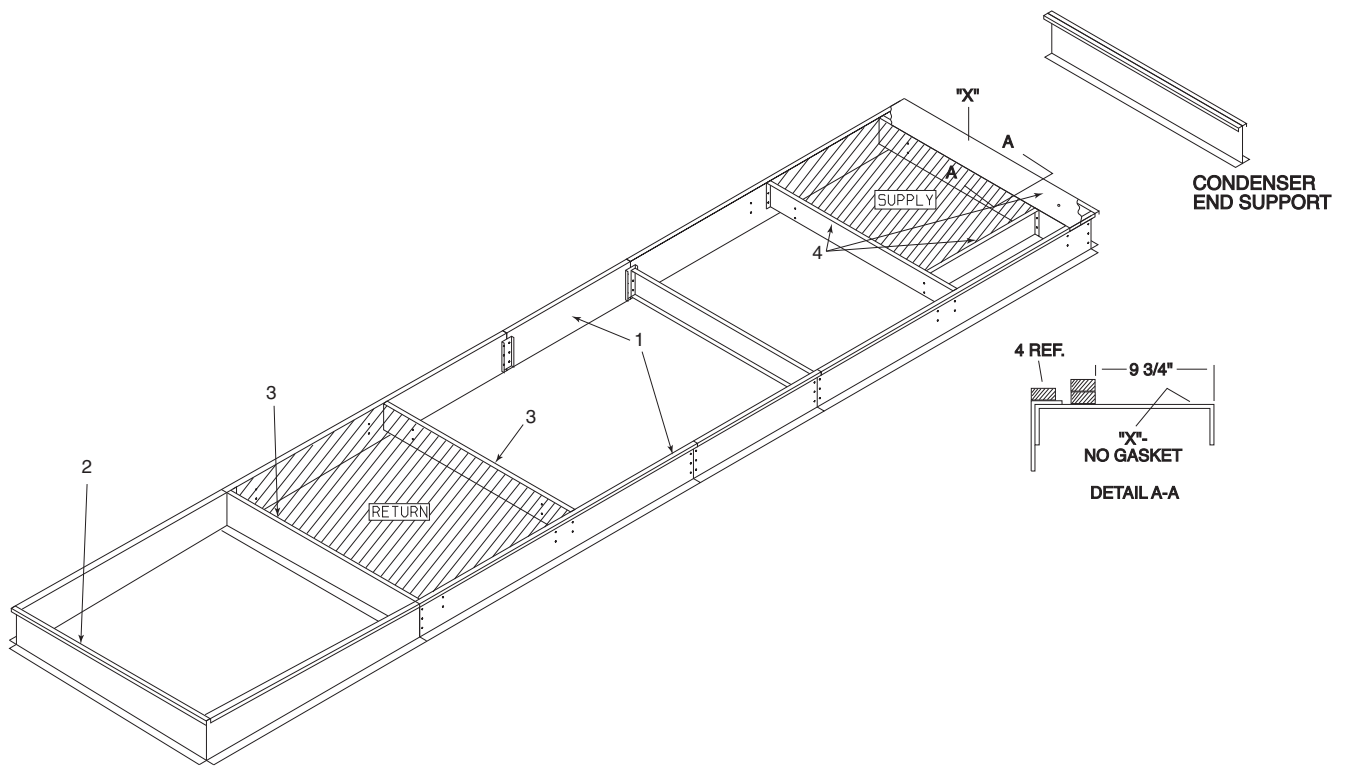


Fig. 7 — Gasket Location on Roof Curb (Size 075-100 Units with Optional High-Capacity Power Exhaust)

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.

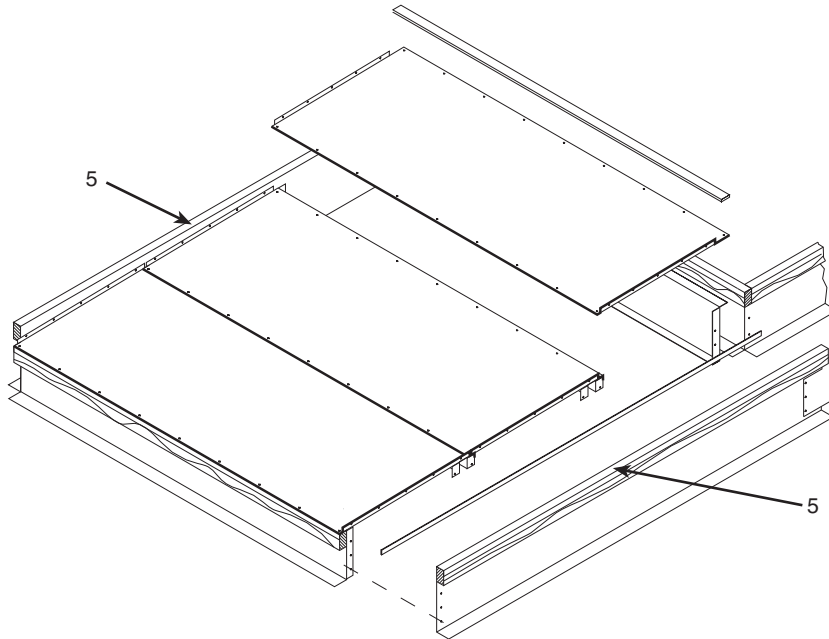


Fig. 8 — Gasket Location — Condenser Section Roof Curb (Size 070-100 Units)

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 1¹/₄-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 1¹/₄ in. half coupling welded to the plate.

At each secondary drain hole location, there is a 1³/₈-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 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. 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 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. Apply a bead of RTV or similar sealant around the drain assemblies. See Fig. 24.

Locate the four 1¹/₄-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 1¹/₄ 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 1³/₈-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.

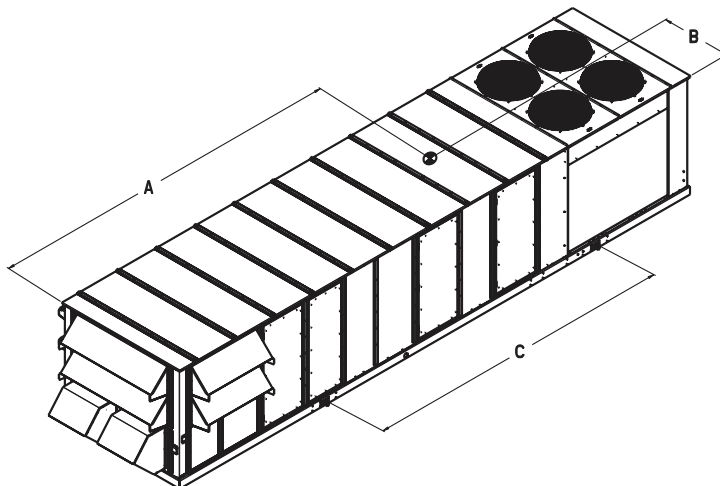
Fill the U-traps at the secondary drain locations prior to unit start-up. Also check the U-traps before each cooling season to ensure the traps are filled and functioning properly.



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	
1,2,3	4	5			LBS	KGS	A		B		C	
						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	186.4	4227
				035	6189	2798	170.9	4342	45.8	1164	186.4	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
035	6299	2857	170.0					4319	45.8	1164	186.4	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
				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	9925	4457	238.8	6375	40.2	1021	250.2	6355
				075	11215	5087	266.7	6775	40.2	1021	280.8	7132
				090	11815	5359	274.7	6975	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
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	5145	268.0					6908	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
				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
50P	2,3,4,5	-,B,C	50 P2, P3, P4, P5 Vertical Supply/ Return Horizontal Supply/ Return	030	8285	3758	212.3	5392	45.8	1164	210.5	5347
				070	8625	3912	250.5	6362	40.2	1021	176.5	4483
				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 4,5	H -	50 P2, P3 Vert Supply/ Return w/ Ext Plenum 50 P4, P5 Horizontal Supply/ Return	030	5819	2639	152.3	3867	45.8	1164	166.4	4227
				035	5869	2708	152.1	3863	45.8	1164	166.4	4227
				040	6510	2953	180.2	4576	45.8	1164	185.3	4707
				050	6725	3050	183.6	4665	45.8	1164	185.3	4707
				055	8780	3983	231.7	5895	45.8	1164	257.5	6541
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
50P	2,3,4,5	R,T,V,W	50 P2, P3, P4, P5 Vert, Horz Supply/ Return w/ Extended Chassis	030	8835	4008	225.6	5731	45.8	1164	208.2	5288
				070	9175	4162	264.8	6725	40.2	1021	201.7	5123
				075	10315	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 4,5	P,Y R,W	50 P2, P3 Vert Supply/ Return w/ Ext Plenum w/ Extended Chassis 50 P4, P5 Horizontal Supply/ Return w/ Extended Chassis	030	6319	2866	186.8	4237	45.8	1164	191.6	4867
				035	6469	2934	167.1	4244	45.8	1164	191.6	4867
				040	7010	3180	195.3	4961	45.8	1164	208.2	5288
				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.

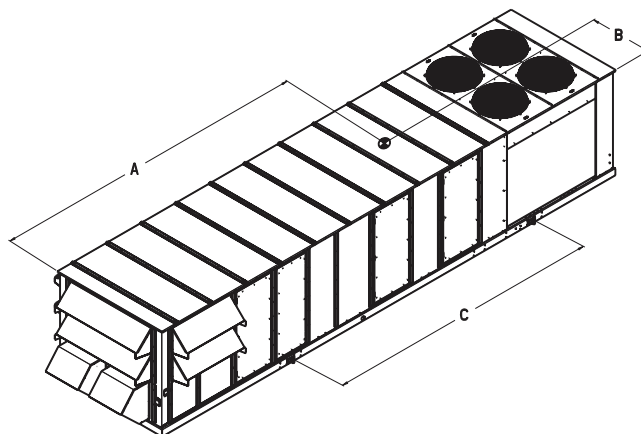
48ZZ501077 2.0

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.**

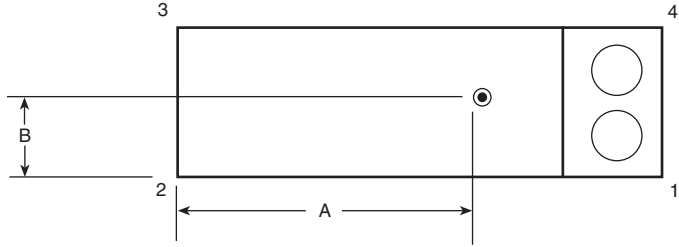
NOTE: Rig with four cables and spread with two 95 inch (2413 MM) spreader bars.

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 Vert Supply/Return w/ RE Fan Horz Supply Vert Return w/ RE Fan	075	11921	5407	220.1	5590	40.2	1021	255.7	6495
				090	12521	5679	228.4	5800	41.5	1054	255.7	6495
				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 Vert Supply/Return w/ RE Fan Horz Supply Vert Return w/ RE Fan	075	12321	5589	224.6	5706	40.2	1021	255.7	6495
				090	12921	5861	232.6	5908	41.5	1054	255.7	6495
				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 Vert Supply/Return w/ RE Fan Horz Supply Vert Return w/ RE Fan	075	12451	5648	226.9	5764	40.2	1021	255.7	6495
				090	13051	5920	233.7	5936	41.5	1054	255.7	6495
				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 Vert Sup/Ret, Horz Sup/ Vert Ret w/ RE Fan, w/ Ext Chassis	075	12471	5657	231.7	5885	40.2	1021	280.8	7132
				090	13071	5929	240.1	6098	41.5	1054	280.8	7132
				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 Vert Sup/Ret, Horz Sup/ Vert Ret w/ RE Fan, w/ Ext Chassis	075	12871	5838	236.2	6000	40.2	1021	280.8	7132
				090	13471	6110	244.3	6205	41.5	1054	280.8	7132
				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 Vert Sup/Ret, Horz Sup/ Vert Ret w/ RE Fan, w/ Ext Chassis	075	13001	5897	238.5	6058	40.2	1021	280.8	7132
				090	13601	6169	245.4	6234	41.5	1054	280.8	7132
				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 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE	075	13499	6123	290.1	7367	40.2	1021	312.1	7927
				090	14097	6394	297.7	7561	41.5	1054	312.1	7927
				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 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE	075	13629	6182	291.3	7400	40.2	1021	312.1	7927
				090	14227	6453	298.9	7593	41.5	1054	312.1	7927
				100	14249	6463	298.2	7575	41.5	1054	312.1	7927
50P	2,3,4,5	-,B,C	50 P2, P3, P4, P5 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE	075	13099	5942	287.1	7293	40.2	1021	312.1	7927
				090	13697	6213	295.1	7496	41.5	1054	312.1	7927
				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 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE w/ Ext Chassis	075	14049	6373	483.5	12280	40.2	1021	337.3	8567
				090	14647	6644	484.3	12302	41.5	1054	337.3	8567
				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 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE w/ Ext Chassis	075	14179	6432	483.5	12280	40.2	1021	337.3	8567
				090	14777	6703	484.3	12301	41.5	1054	337.3	8567
				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 Vert Sup/Ret, Horz Sup/Ret w/ Hi Cap PE w/ Ext Chassis	075	13649	6191	483.5	12281	40.2	1021	337.3	8567
				090	14247	6462	484.4	12304	41.5	1054	337.3	8567
				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 in.	B in.
		1	2	3	4			
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 5/8	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 in.	B in.
		1	2	3	4			
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 in.	B in.
		1	2	3	4			
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 in.	B in.
		1	2	3	4			
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 C-C DO NOT RESTRICT CONDENSER FANS.
CONTROL BOX END - 6'-0" (EXCEPT POWER EXHAUST UNITS 10'-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"

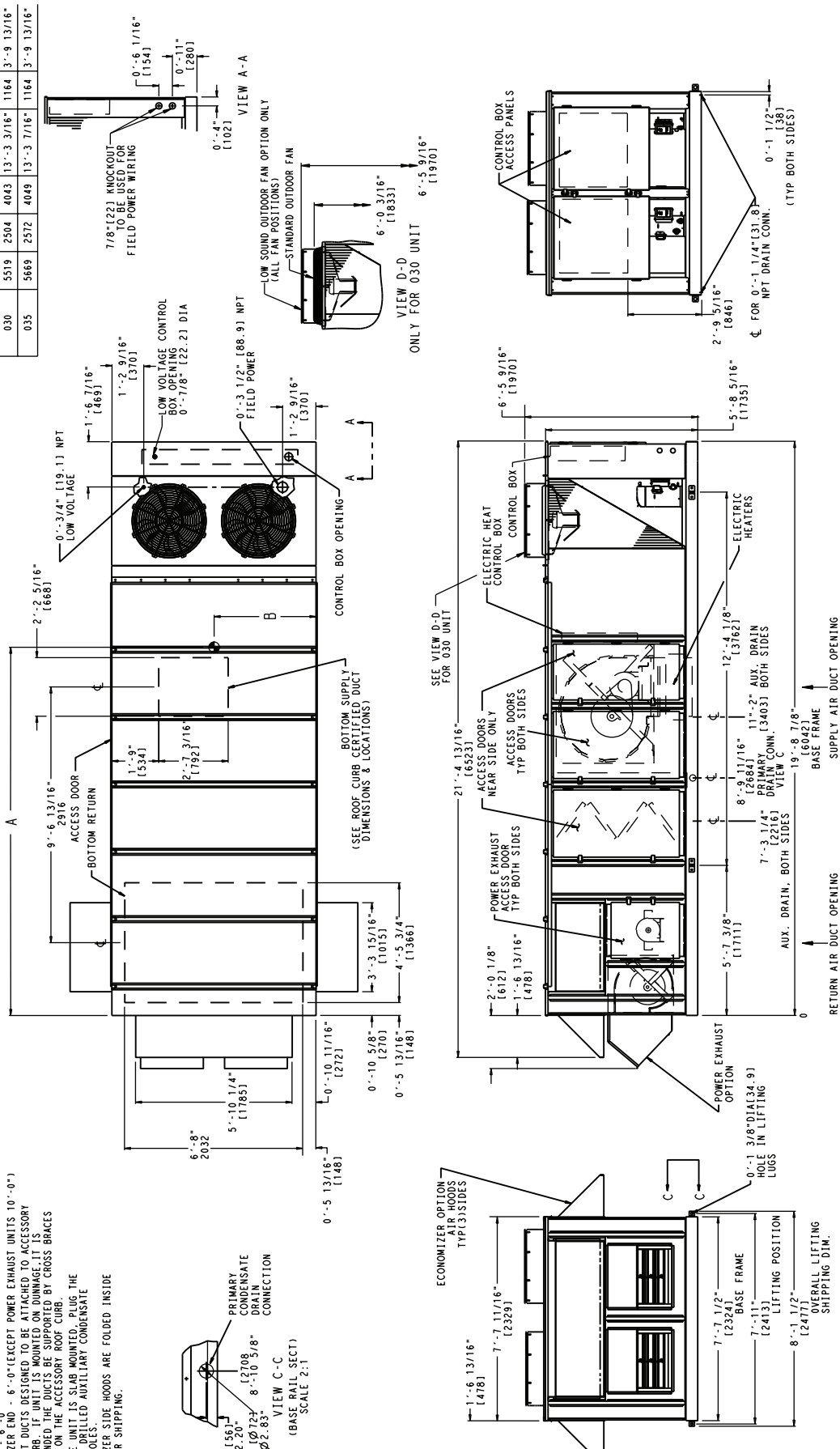
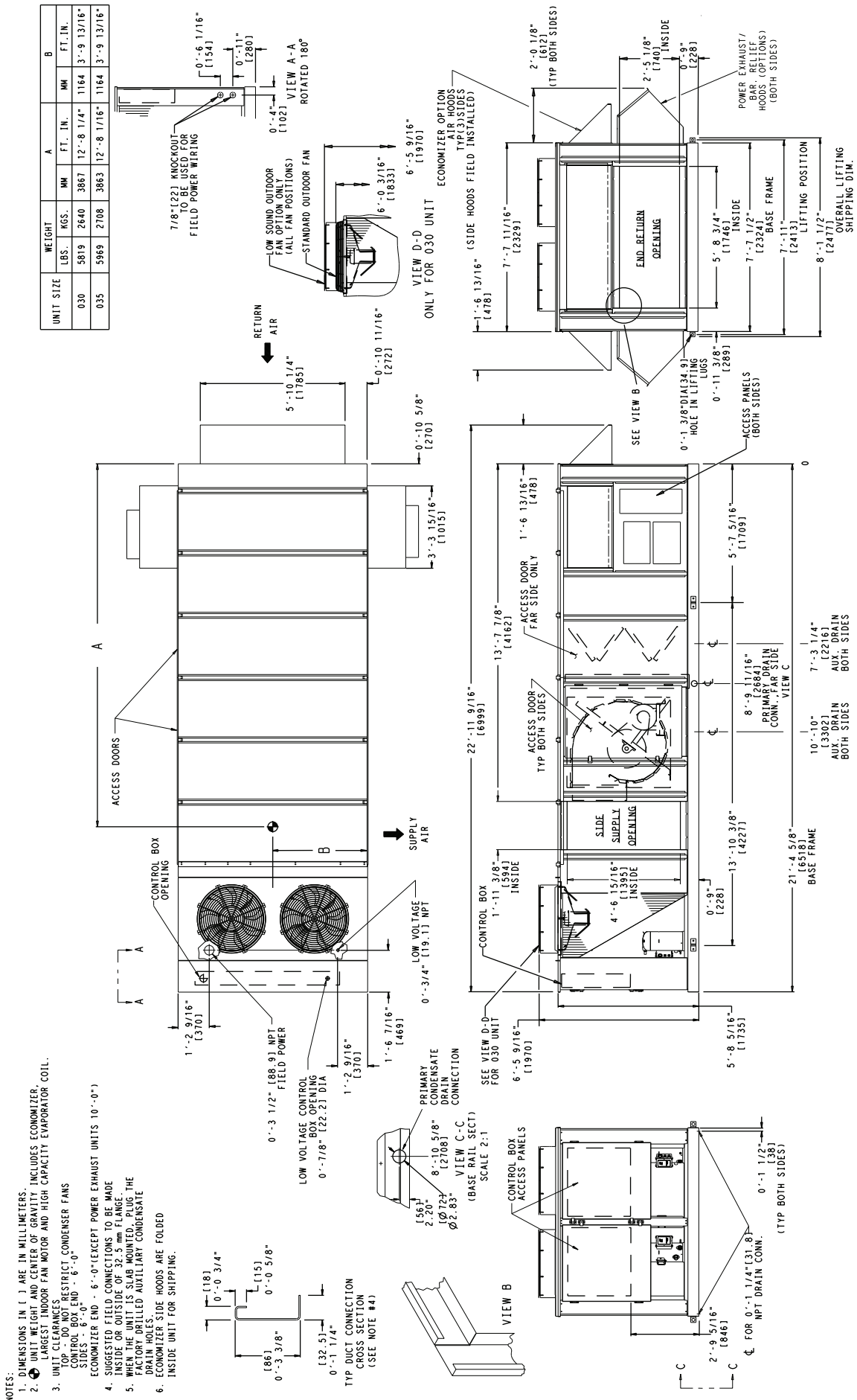


Fig. 12 — Base Unit Dimensional Drawing — 50P2, P3030, 035 (Standard Chassis Unit Shown)



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	5989	2708	3863	12'-8 1/16"	1164	3'-9 13/16"

- 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:
 - RESTRICT CONDENSER FANS CONTROL BOX END - 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.

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

NOTES:

1. DIMENSIONS IN () ARE IN MILLIMETERS.
2. Ⓢ AND Ⓣ INDICATE THE LOCATION OF THE LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EXHAUSTOR COIL.
3. UNIT CLEARANCES: TOP - DO NOT RESTRICT CONDENSER FANS CONTROL BOX END - 6'-0" ECONOMIZER END - 6'-0" (EXCEPT POWER EXHAUST UNITS 10'-0") DOWNSHOT DUCTS DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB IF UNIT IS MOUNTED ON DUNNAGE. IT IS THE USER'S RESPONSIBILITY TO PROVIDE THE ACCESSORY ROOF CURB AS SHOWN ON THE ACCESSORY ROOF CURB DRAWING.
4. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
5. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.

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

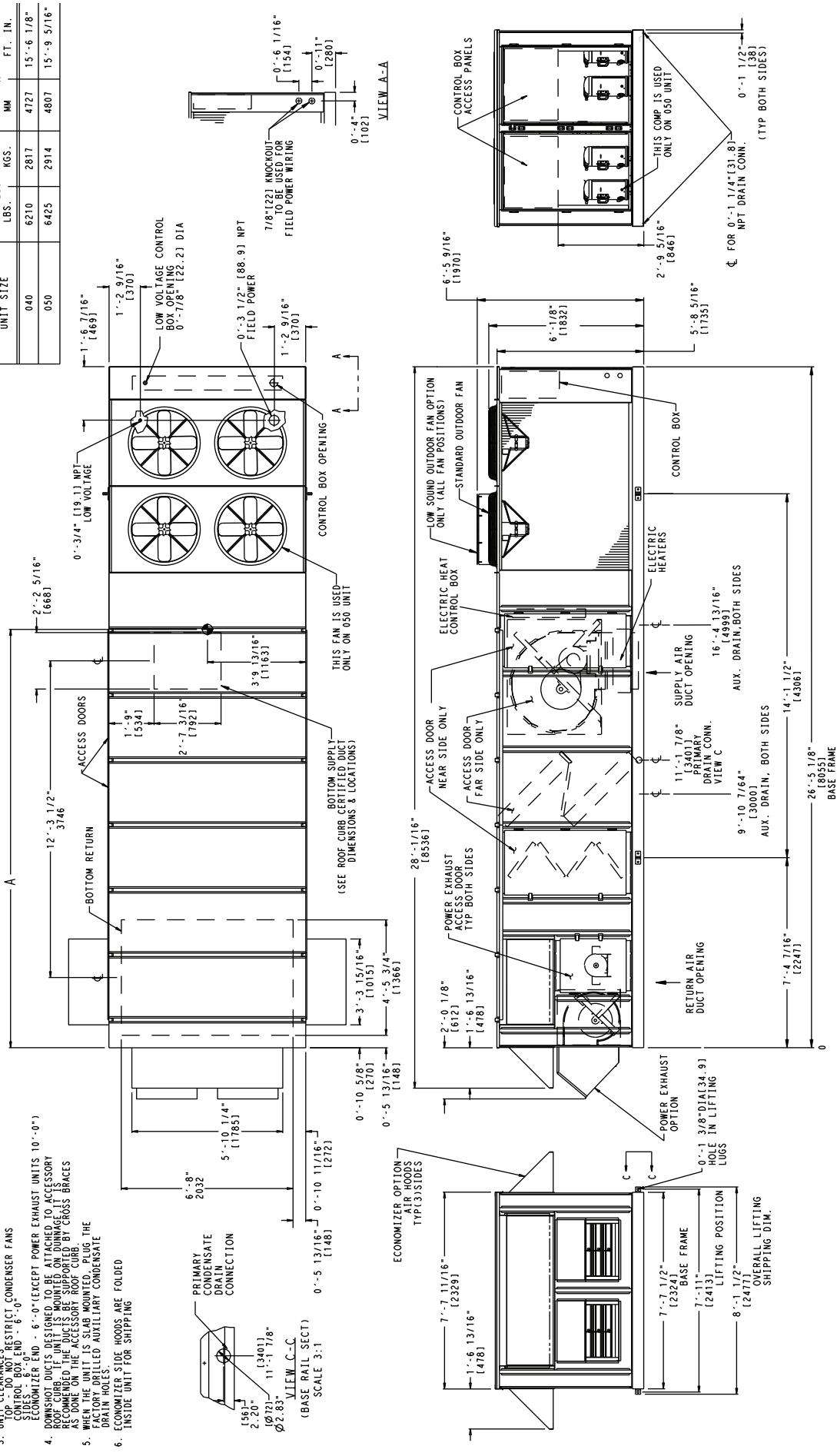


Fig. 14 — Base Unit Dimensional Drawing — 50P2, P3040-050 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT		A
	LBS.	KGS.	
040	6510	2953	4576
050	6725	3050	4665

- 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. UNITS CLEARANCES: STRICTLY COMPENSATE CONDENSATE DRAIN HOLES.
 4. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.
 5. SUGGESTED FIELD CONNECTIONS TO BE MADE AS SHOWN.
 6. WHEN THE UNIT IS SHIP MOUNTED, PLUS THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
 7. ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING.

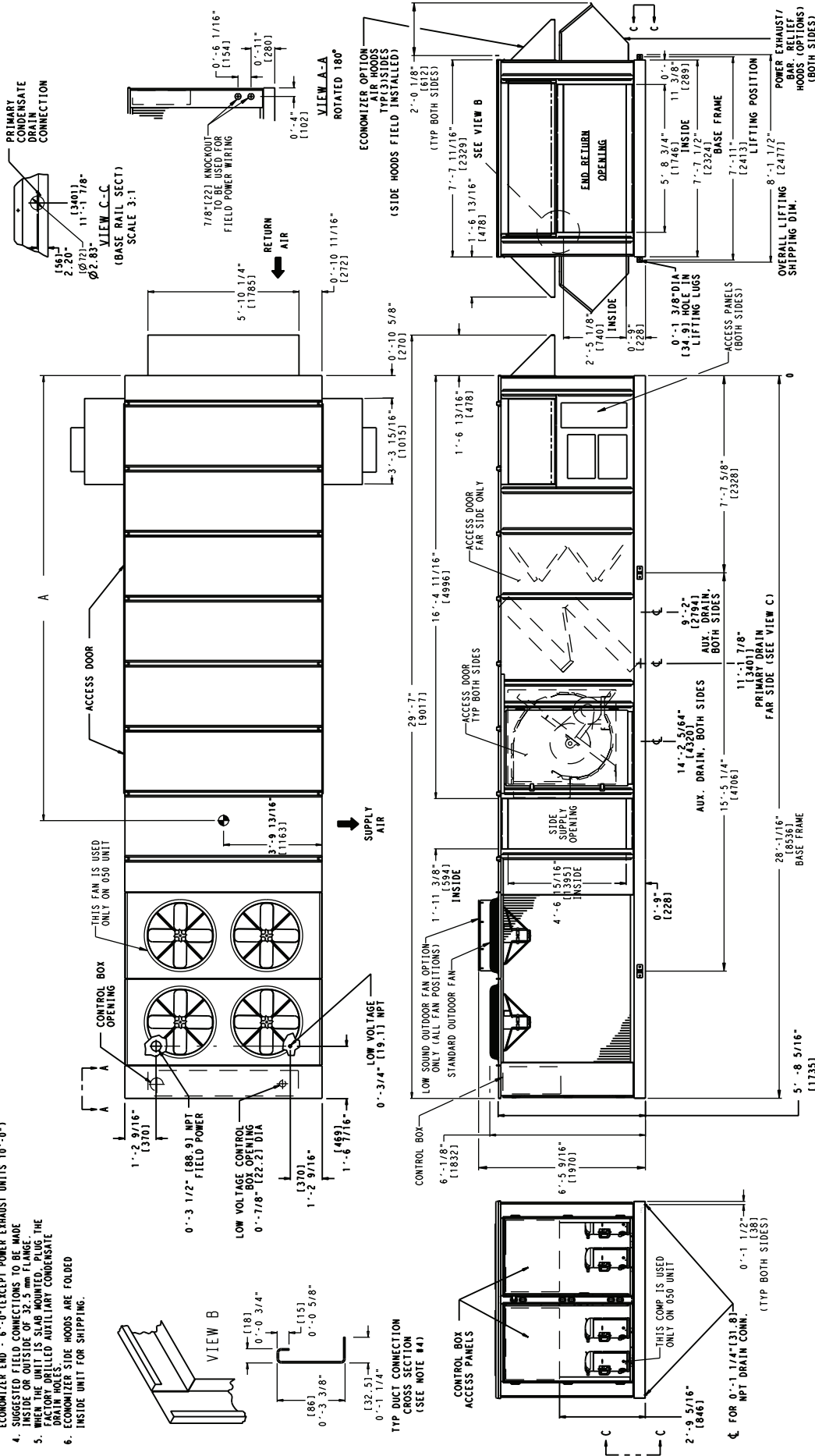


Fig. 15 — Base Unit Dimensional Drawing — 50P4, P5040-050 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT		A		B		C		D		E		F	
	LBS.	KGS.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	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:
- DIMENSIONS IN () ARE IN MILLIMETERS
 - UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER, LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
 - UNIT CLEARANCES
CONTROL BOX END - 6'-0"
TOP - DO NOT RESTRICT CONDENSER FANS
 - DOWNSHOT DUCTS, DESIGNED TO BE ATTACHED TO ACCESSORY ROOF CURB IF UNITS MOUNTED ON DRAINAGE IT IS RECOMMENDED THE DUCTS BE SUPPORTED BY CROSS BRACES AS DONE ON THE ACCESSORY ROOF CURB.
 - WHEN THE UNIT IS SLAB MOUNTED, PLUG THE FACTORY DRILLED AUXILIARY CONDENSATE DRAIN HOLES.
 - ECONOMIZER SIDE HOODS ARE FOLDED INSIDE UNIT FOR SHIPPING

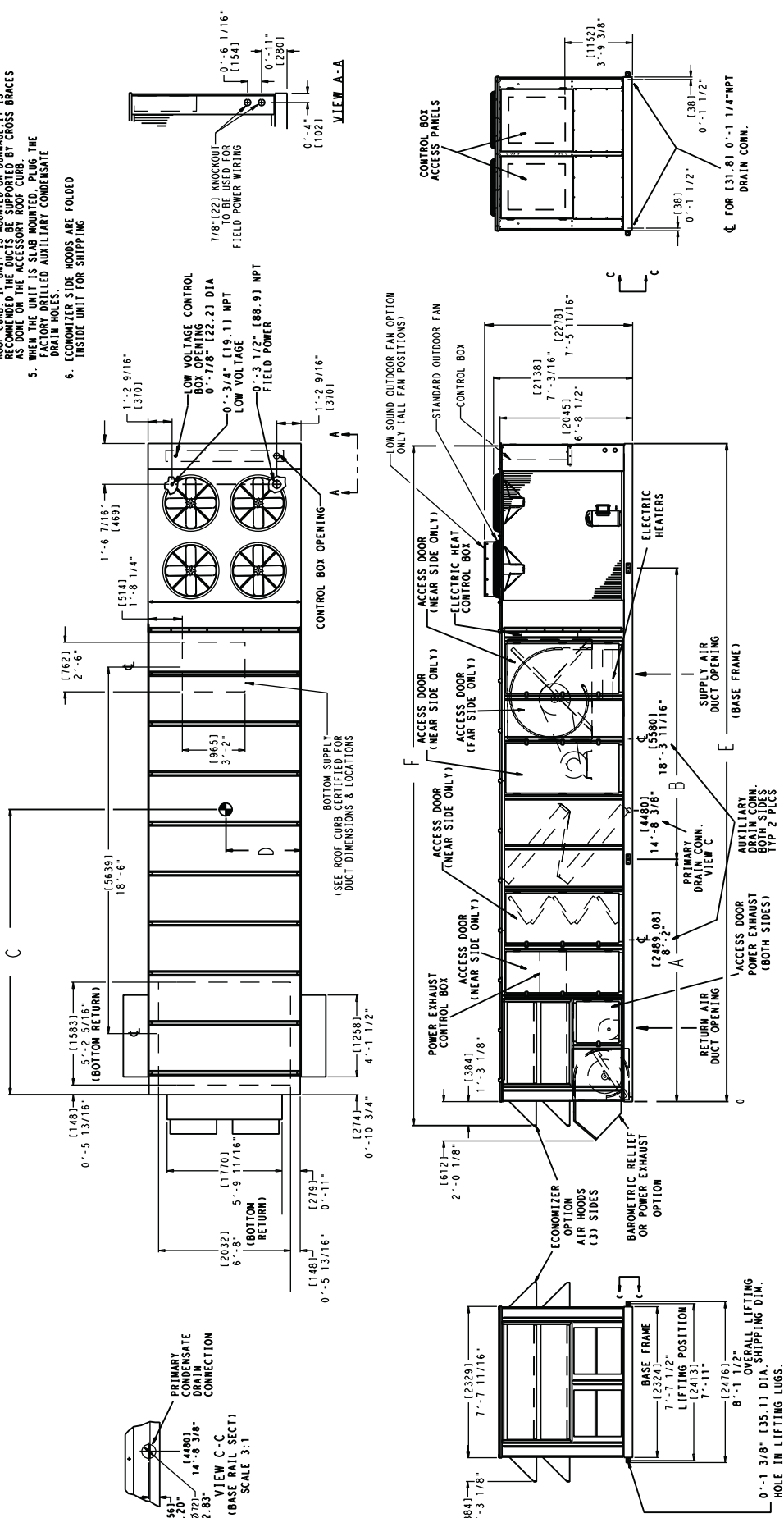


Fig. 16 — Base Unit Dimensional Drawing — 50P2, P3055,060 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT		A		B		C		D		E		F	
	LBS.	KGS.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.
055	8780	3983	2830	9'-3 3/4"	6427	21'-1 1/8"	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 1/8"	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 CANNOT RESTRICT CONDENSER FANS TO CONTROL BOX END OF ECONOMIZER.
 4. SUGGESTED FIELD CONNECTIONS TO BE MADE INSIDE OR OUTSIDE OF 3/2.5 mm FLANGE. WHEN THE UNIT IS SLAB MOUNTED, PLUG THE DRAIN HOLES, PLUGGED AUXILIARY CONDENSATE DRAIN HOLES, AND POWER EXHAUST HOODS ARE FOLDED IN FOR SHIPPING.

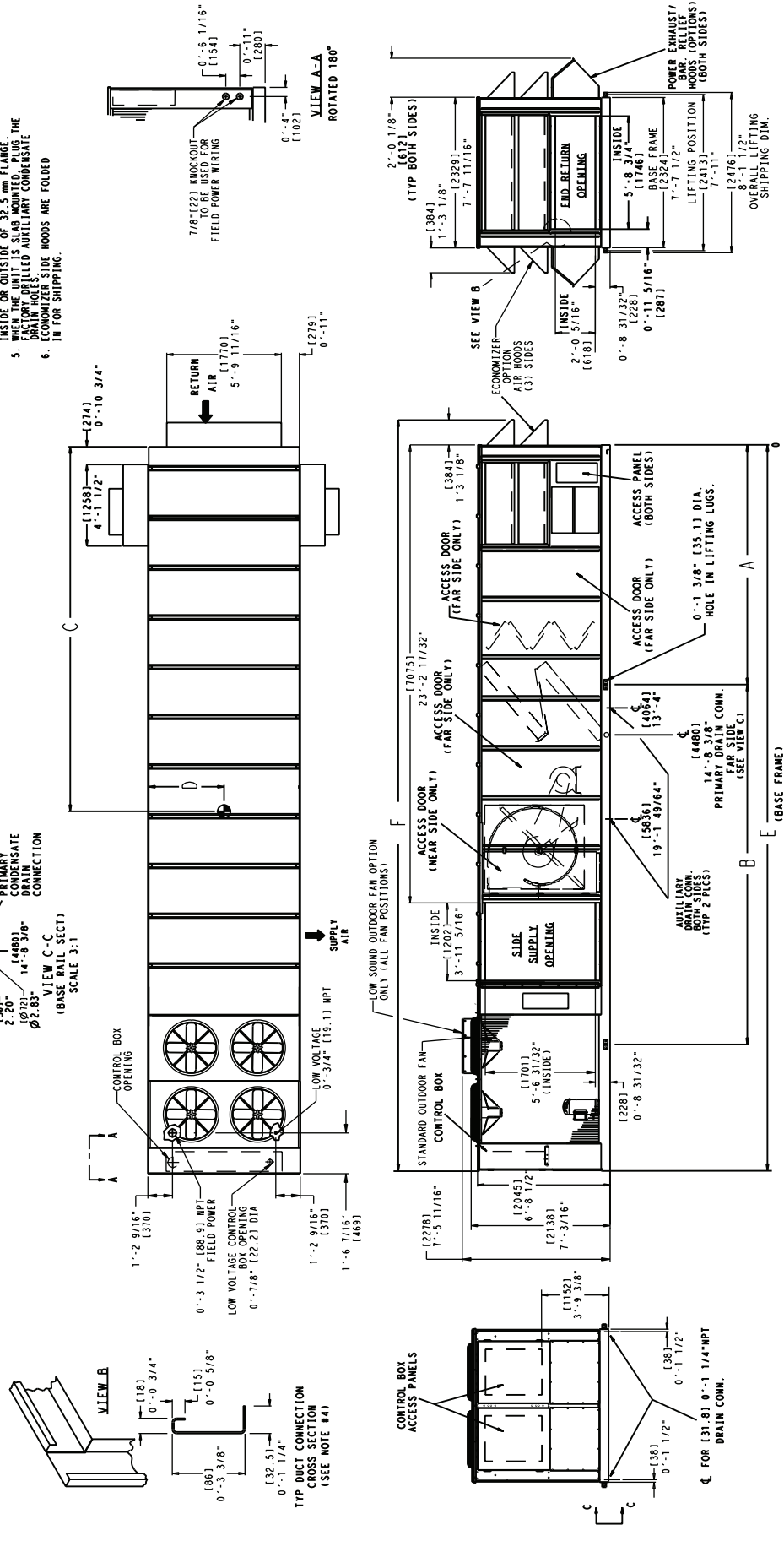


Fig. 17 — Base Unit Dimensional Drawing — 50P4,P5055,060 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT MGS.
070	8625	3912

- NOTES:
1. DIMENSIONS IN () ARE IN MILLIMETERS.
 2. UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER.
 3. UNIT CLEARANCES
TOP: 6'-0" (1829)
SIDE: 6'-0" (1829)
DO NOT RESTRICT CONDENSER FANS
ECONOMIZER END - 6'-0" (EXCEPT POWER EXHAUST UNITS 10'-0")
FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES, CONTACT
CARRIER APPLICATION ENGINEERING DEPARTMENT
 4. CONDENSATE DRAIN CONNECTIONS TO ACCESSORY
ROOF CURB UNITS IS MOUNTED ON DRAINAGE
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 WOODS ARE FOLDED
INSIDE UNIT FOR SHIPPING

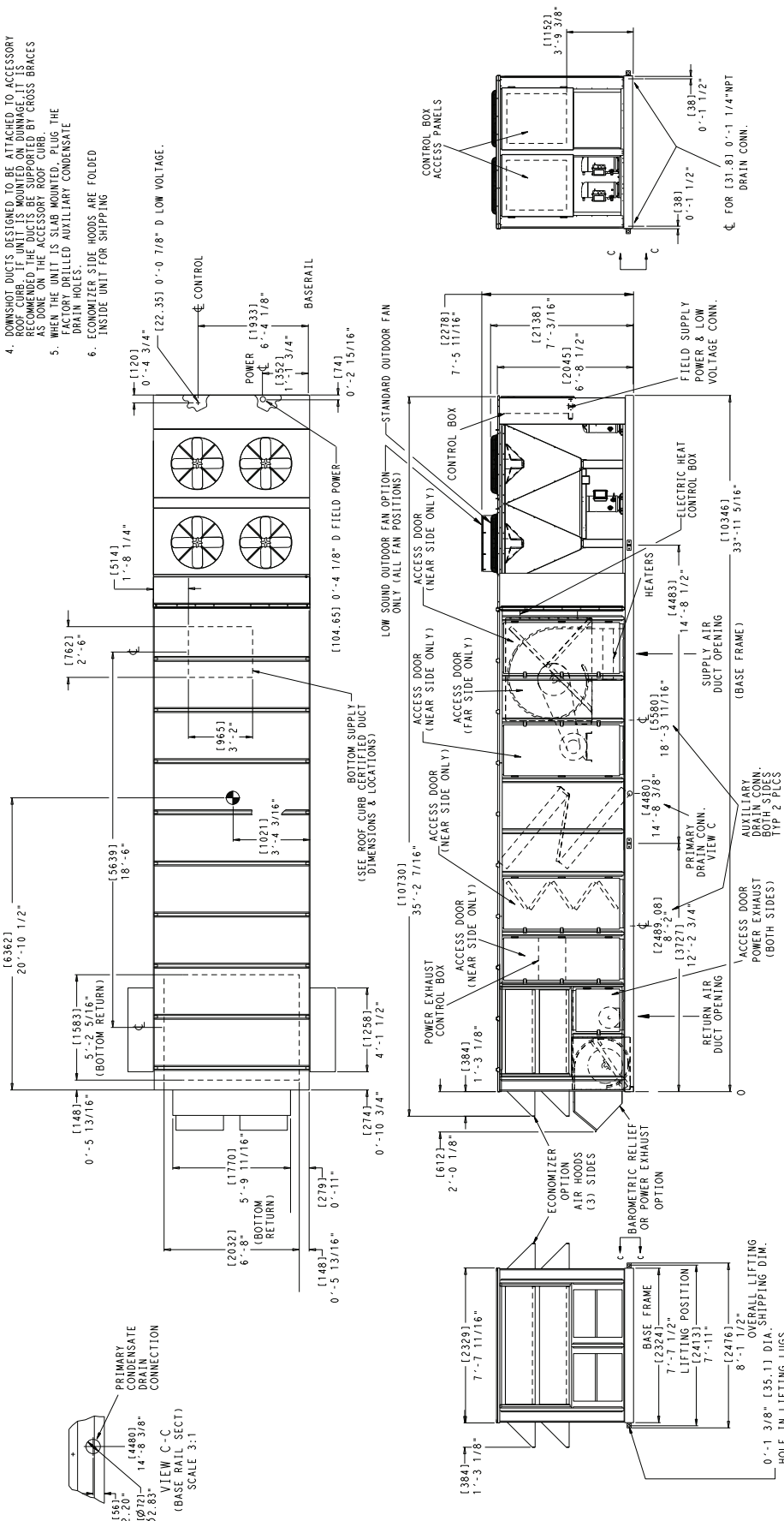


Fig. 18 — Base Unit Dimensional Drawing — 50P2,P3070 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT LBS.	WEIGHT KGS.
070	9175	4162

- NOTES:
1. DIMENSIONS IN 1/8" ARE IN MILLIMETERS
 2. UNIT WEIGHT AND CENTER OF GRAVITY INCLUDES ECONOMIZER.
 3. UNIT CLEARANCES: LARGEST INDOOR FAN MOTOR AND HIGH CAPACITY EVAPORATOR COIL.
 4. UNIT CLEARANCES: RESTRICT CONDENSER FANS CONTROL BOX END.
 5. UNIT CLEARANCES: EXCEPT POWER EXHAUST UNITS 10'-0" (3048) TO 8'-0" (2438).
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 84. EXCEPT POWER EXHAUST UNITS 10'-0" (3048) TO 8'-0" (2438).
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 97. EXCEPT POWER EXHAUST UNITS 10'-0" (3048) TO 8'-0" (2438).
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 99. EXCEPT POWER EXHAUST UNITS 10'-0" (3048) TO 8'-0" (2438).
 100. EXCEPT POWER EXHAUST UNITS 10'-0" (3048) TO 8'-0" (2438).

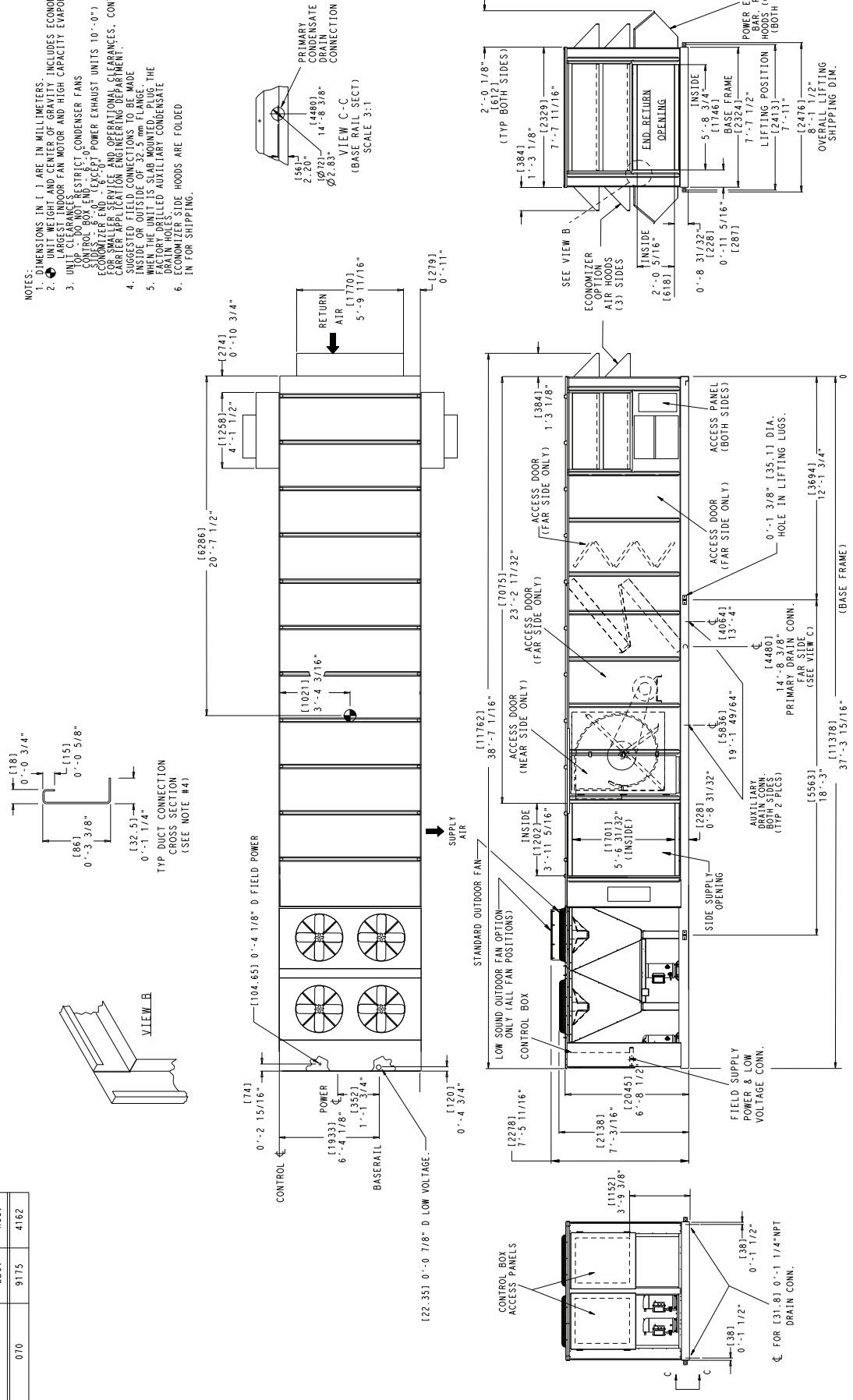


Fig. 19 — Base Unit Dimensional Drawing — 50P4, P5070 (Standard Chassis Unit Shown)

UNIT SIZE	WEIGHT		A		B		C		D		E		F		
LBS.	KGS.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	FT. IN.	MM	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 CLEARANCE RESTRICT CONDENSER FANS CONTROL BOX 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. CRANOWHOLE SIDE HOODS ARE FOLDED IN FOR SHIPPING.

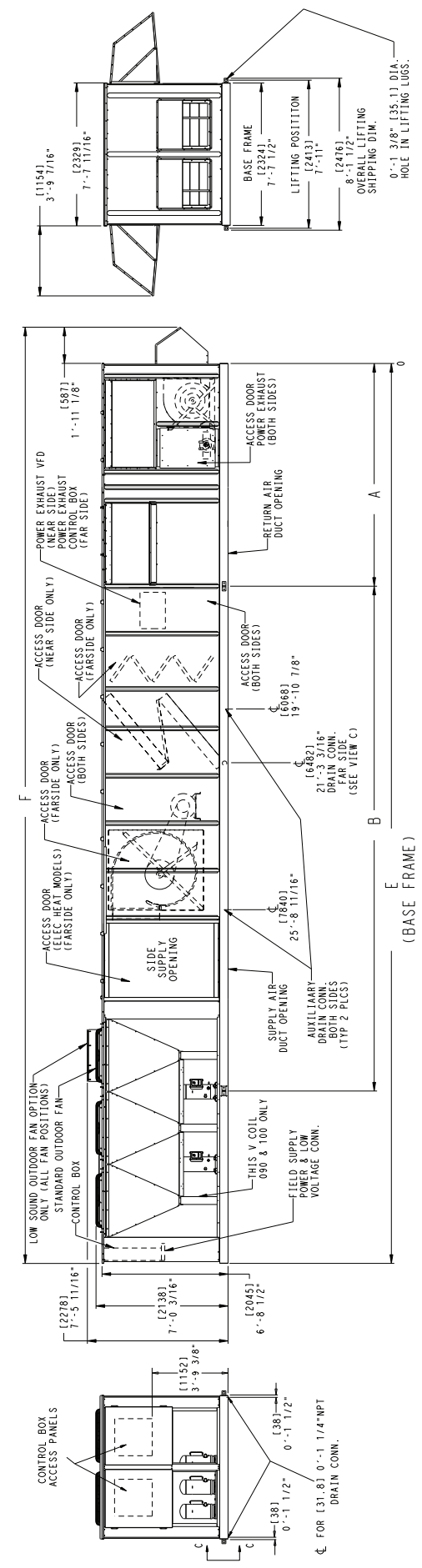
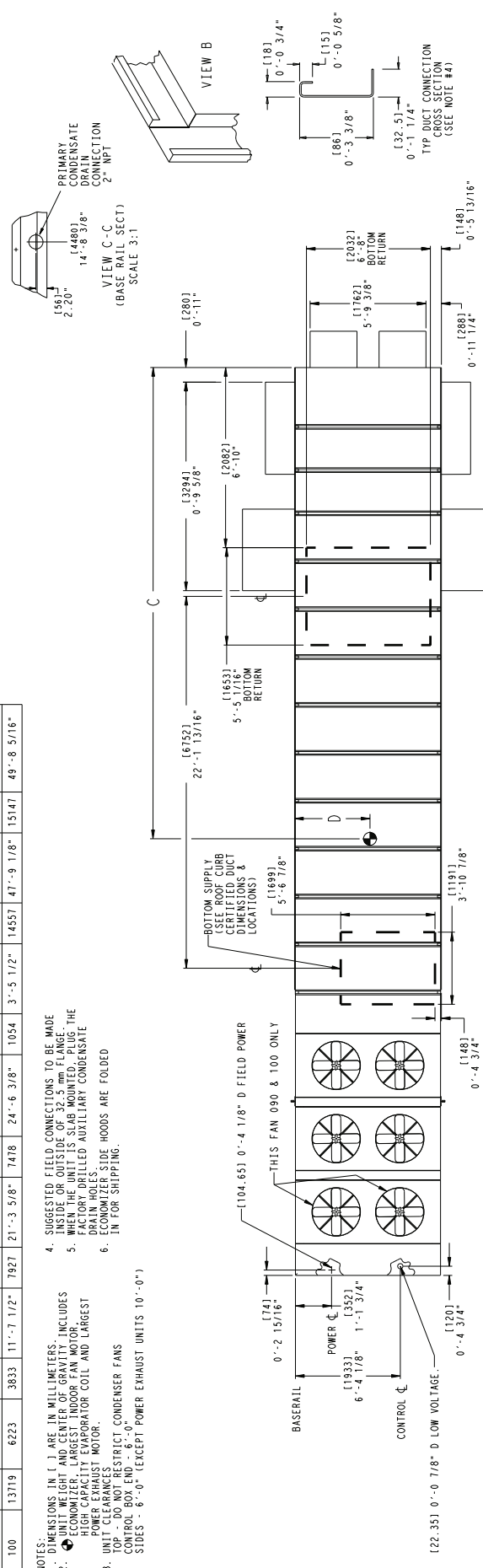
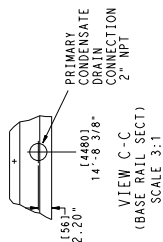


Fig. 20 — Base Unit Dimensional Drawing — 50P2,P3075-100 (Standard Chassis Unit with Optional High-Capacity Power Exhaust Shown)

UNIT SIZE	WEIGHT		A	B	C	D	E	F
	LBS.	KGS.						
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 (DO NOT RESTRICT CONDENSER FANS CONTROL BOARD - 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 FACTOR-DRILLED AUXILIARY CONDENSATE DRAIN HOOD.
 6. ECONOMIZER SIDE HOODS ARE FOLDED IN FOR SHIPPING.

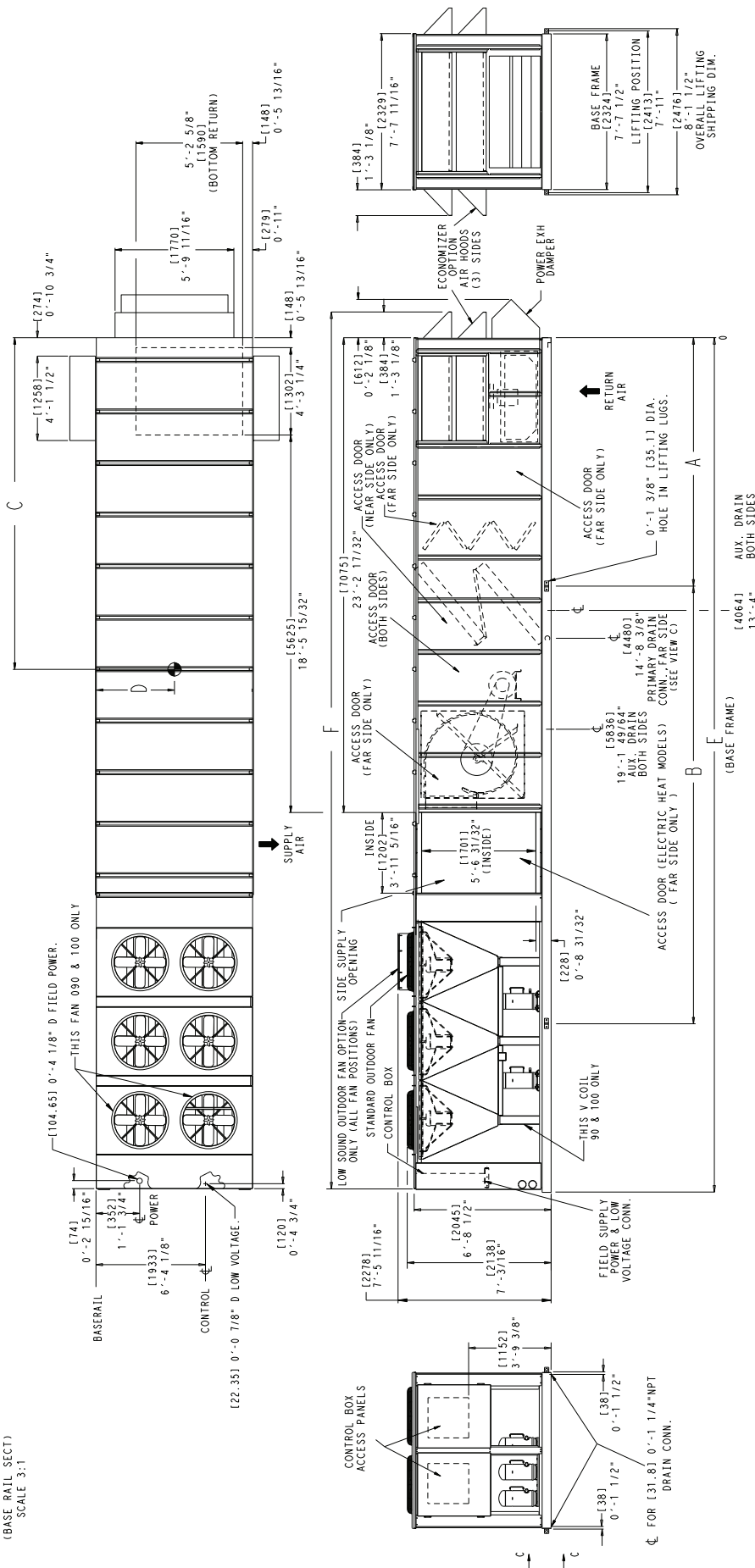
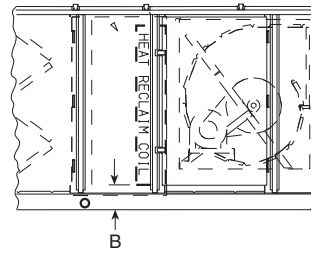
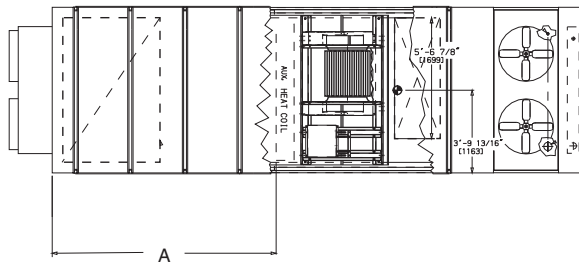


Fig. 21 — Base Unit Dimensional Drawing — 50P4, P5075-100 (Standard Chassis Unit with Optional Return Fan Shown)



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

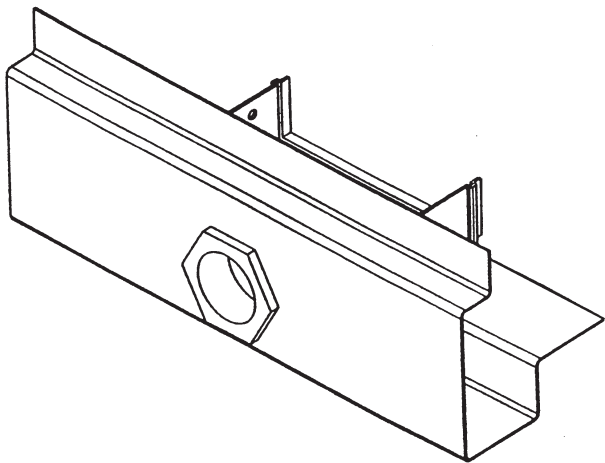


Fig. 23 — Primary Drain Connection

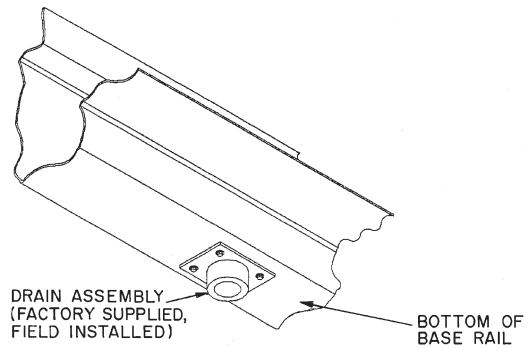
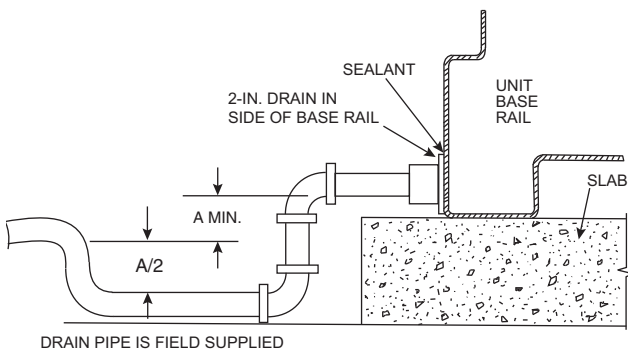
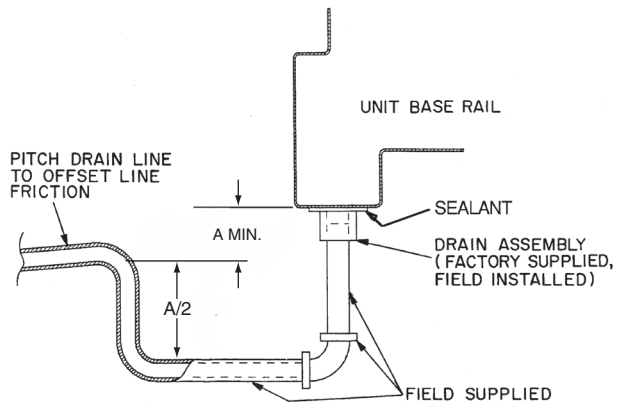


Fig. 25 — Secondary Condensate Drain Location (Curb Mount)



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

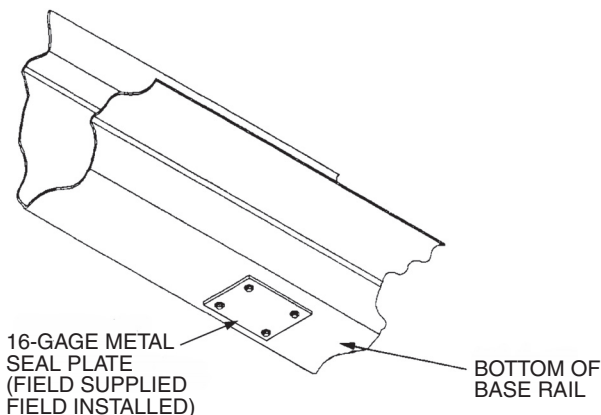


Fig. 27 — Secondary Drain Seal Plate Location (Slab Mount)

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.

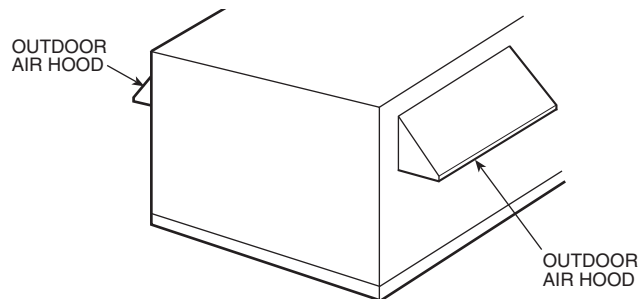


Fig. 28 — Outdoor-Air Hood Installation (Sizes 030-050)

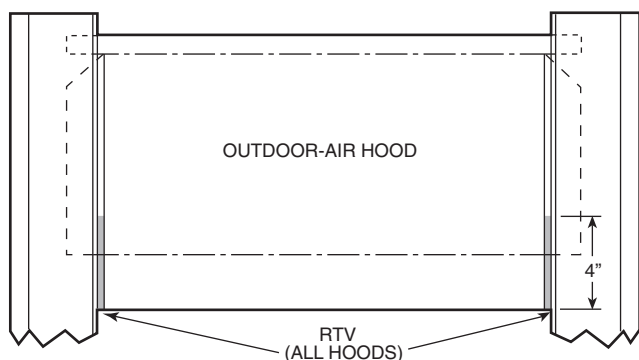


Fig. 29 — Outdoor-Air and Economizer Hood

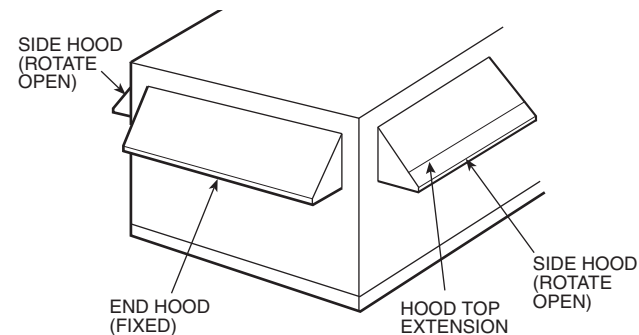


Fig. 30 — Economizer Outdoor-Air Hood Installation (Sizes 030-050)

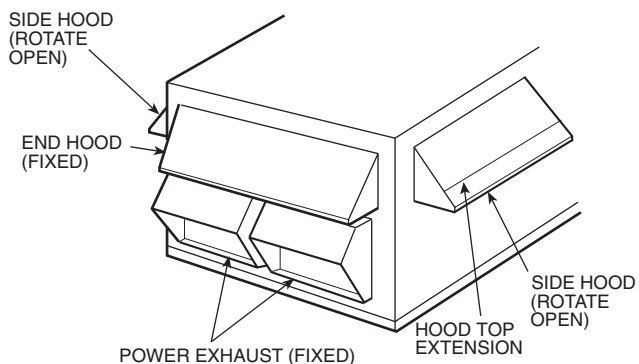


Fig. 31 — Economizer with Power Exhaust Outdoor-Air Hood Installation (Sizes 030-050)

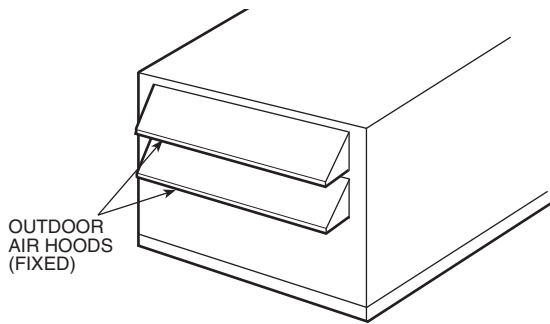


Fig. 32 — 25% Outdoor-Air Hood Location (Sizes 055-105)

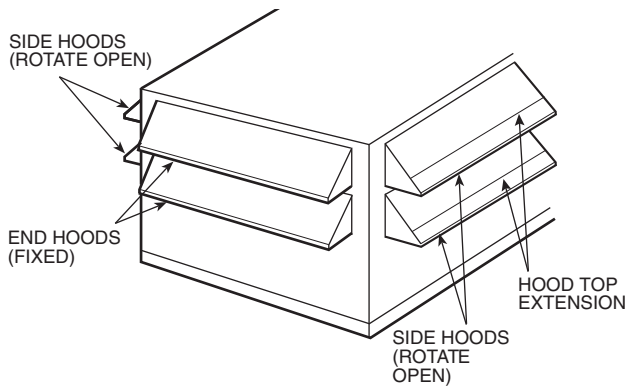


Fig. 33 — Economizer Outdoor-Air Hood Installation (Sizes 055-100)

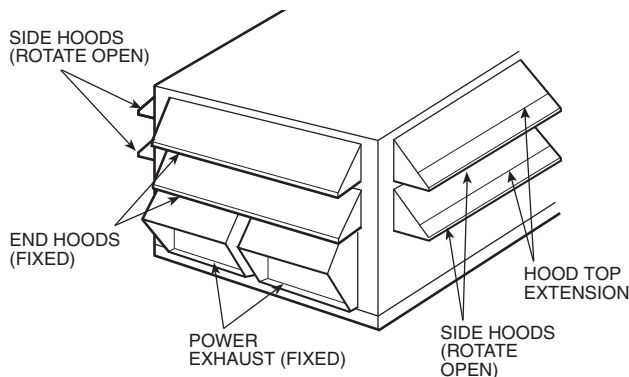


Fig. 34 — Economizer with Power Exhaust Outdoor-Air Hood Installation (Sizes 055-100)

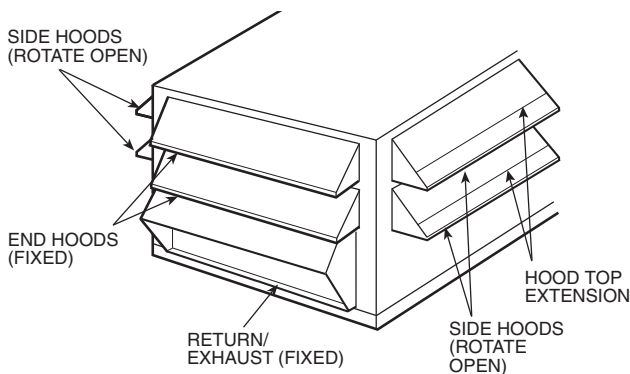


Fig. 35 — Economizer with Return/Exhaust Fan Outdoor-Air Hood Installation (Units with Optional Return Fan)

Step 10 — Install Economizer Hoods (Units with Optional High-Capacity Power Exhaust) —

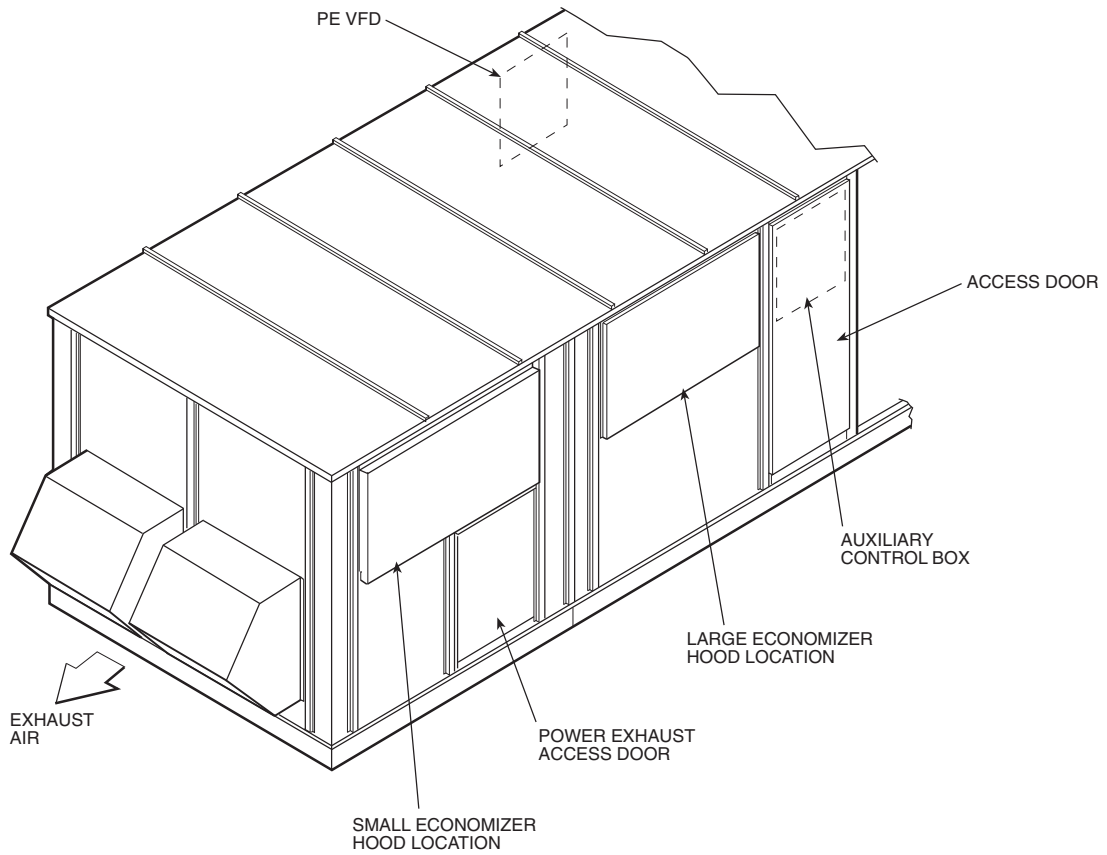
The economizer uses a total of 4 outdoor intake hoods, 2 on each side of the unit. See Fig. 36. Two small hoods (one per side) are factory-installed and are pivoted inside the unit chassis for shipment. Two large hoods are shipped in packages located inside the unit. The large hoods (1 on each side) 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 $\frac{3}{4}$ -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 $\frac{3}{4}$ -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

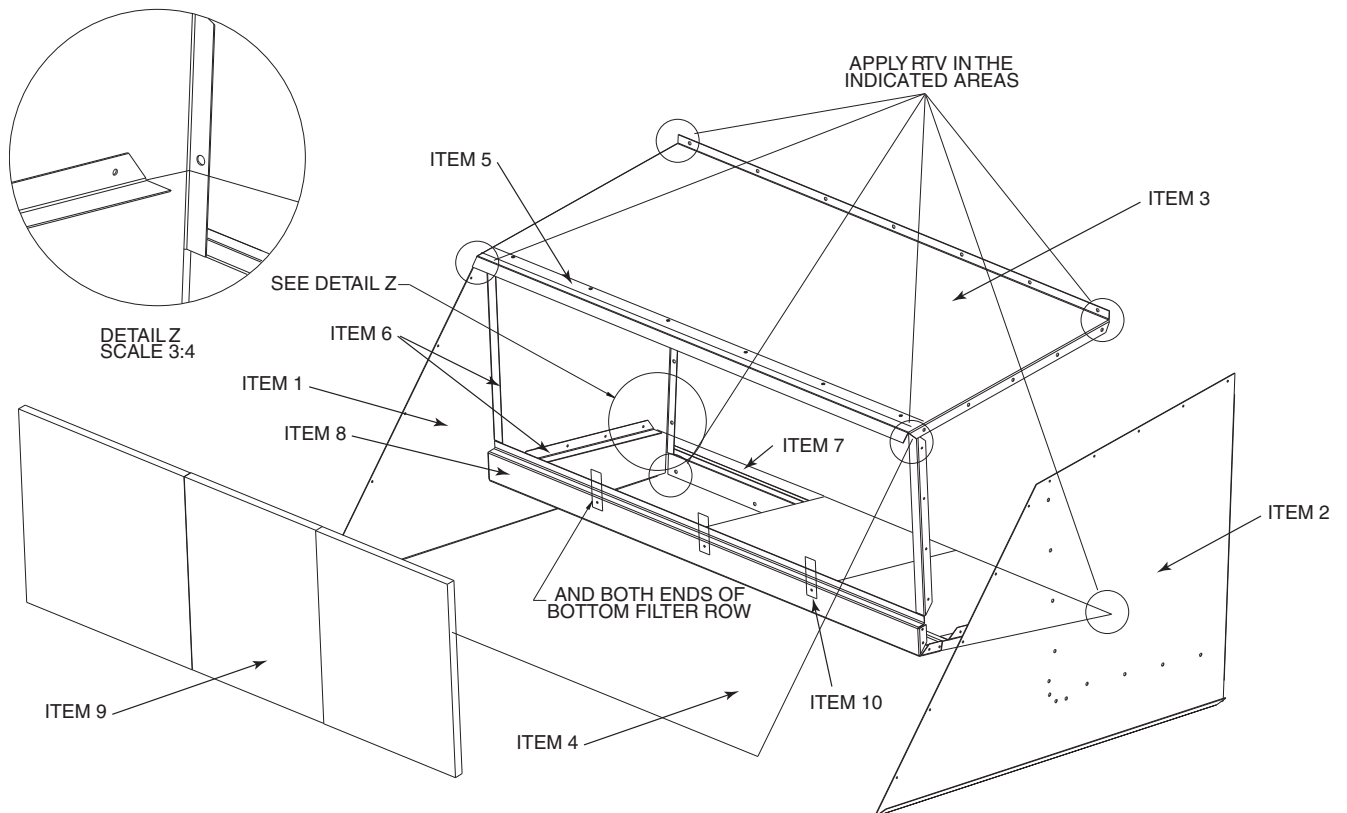


Fig. 37 — Large Economizer Hood Assembly

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 3¹/₂-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 4⁵/₃₂-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 13-28 for unit electrical data.

Use the following formula to determine the percent voltage imbalance.

% 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

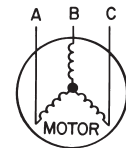
BC = 464 v

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:

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

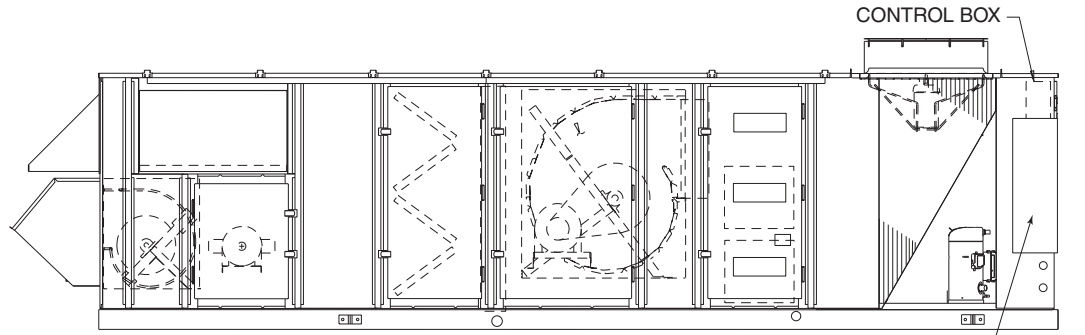
$$= 1.53\%$$

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.)



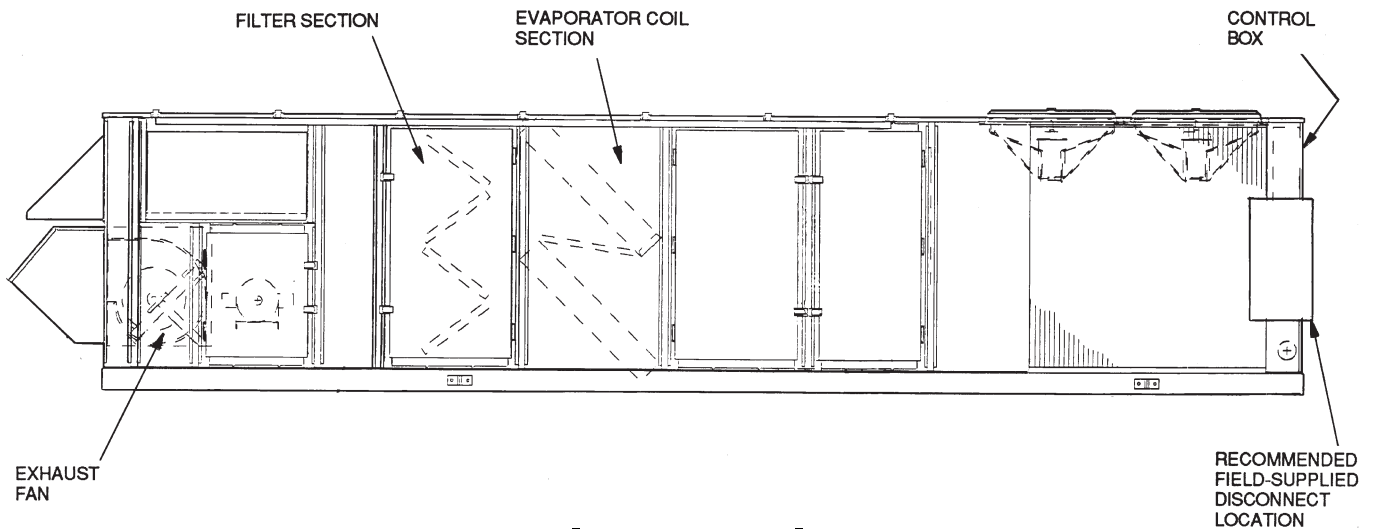
CONTROL BOX

RECOMMENDED FIELD-SUPPLIED DISCONNECT LOCATION

CAUTION

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

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



FILTER SECTION

EVAPORATOR COIL SECTION

CONTROL BOX

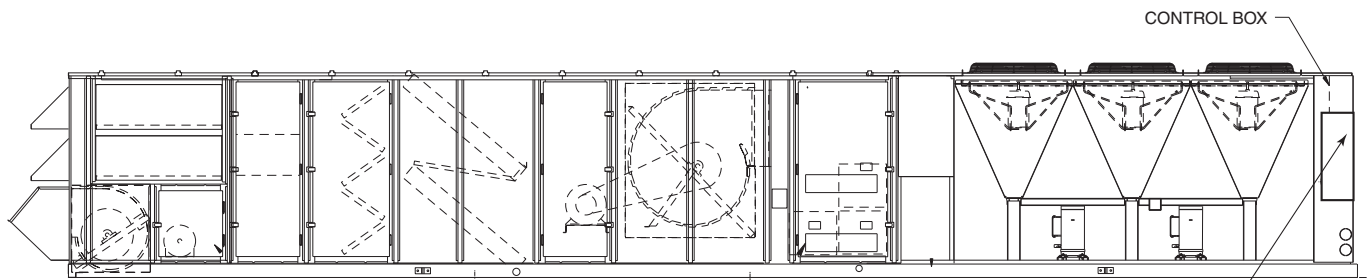
EXHAUST FAN

RECOMMENDED FIELD-SUPPLIED DISCONNECT LOCATION

CAUTION

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

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



CONTROL BOX

RECOMMENDED FIELD-SUPPLIED DISCONNECT LOCATION

CAUTION

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

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

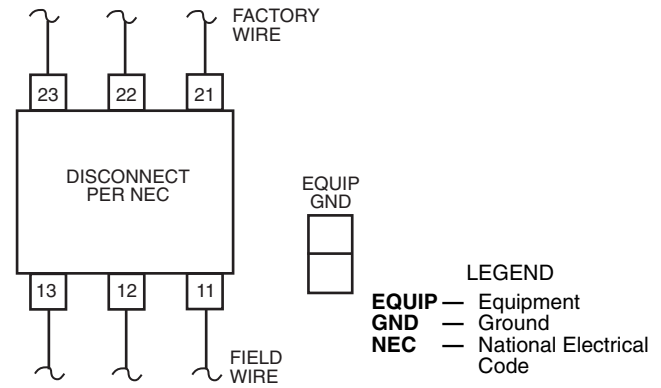
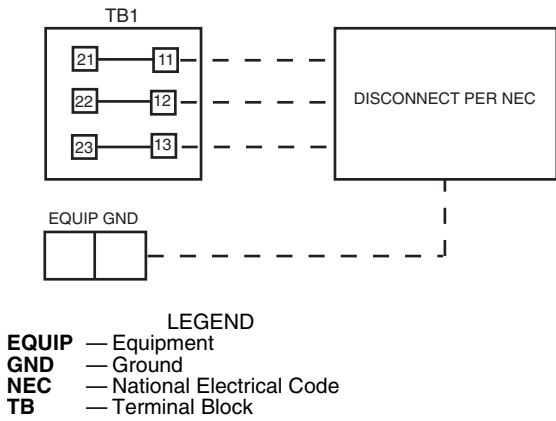


Fig. 41 — Field Power Wiring Connections

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

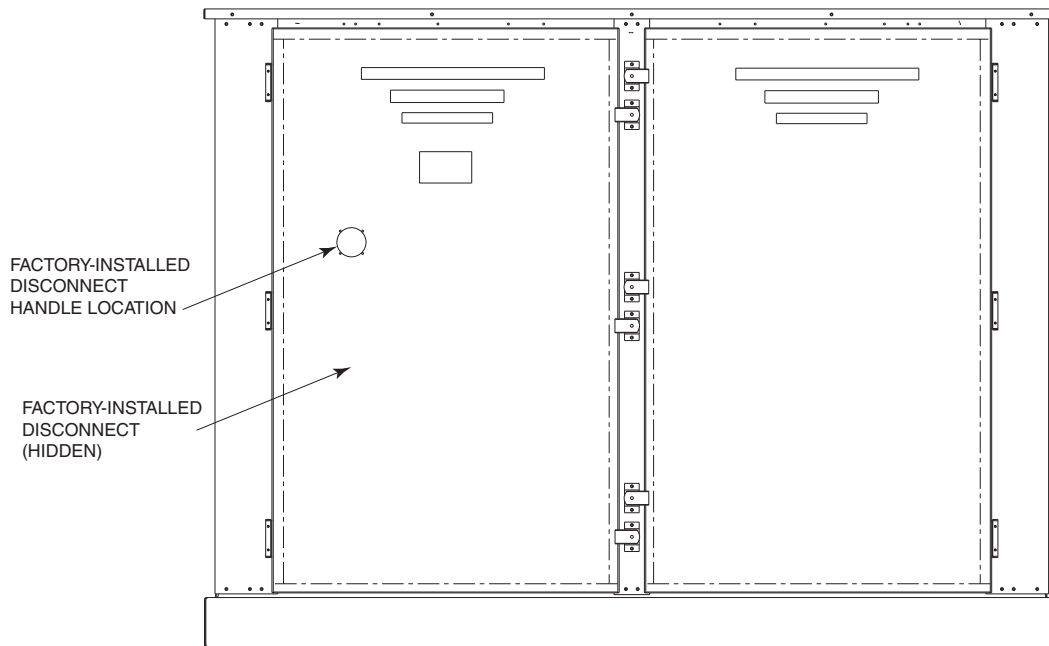


Fig. 42 — Factory-Installed Disconnect Location (End of Unit Shown)

Table 13 — Electrical Data — 50P2,P3,P4,P5030 Units

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

VOLTAGE RANGE		COMPRESSOR						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	2	7 1/2	24.2 / 22.0	—	—	— / —	78.9/ 90.0	36/ 36	152.8/ 150.6	200/ 200		
																		157.7/ 182.0	72/ 72	152.8/ 150.6	200/ 200		
																		236.6/ 273.0	108/ 108	188.0/ 209.5	225/ 250		
																		—	—	174.0/ 169.8	225/ 200		
																		78.9/ 90.0	36/ 36	174.0/ 169.8	225/ 200		
																		157.7/ 182.0	72/ 72	214.5/ 233.5	250/ 250		
																		236.6/ 273.0	108/ 108	293.4/ 324.5	300/ 350		
																		—	—	186.2/ 181.0	225/ 225		
																		78.9/ 90.0	36/ 36	186.2/ 181.0	225/ 225		
																		157.7/ 182.0	72/ 72	229.7/ 247.5	250/ 250		
																		236.6/ 273.0	108/ 108	308.6/ 338.5	350/ 350		
																		—	—	201.2/ 194.6	250/ 225		
		78.9/ 90.0	36/ 36	201.2/ 195.0	250/ 225																		
		157.7/ 182.0	72/ 72	248.5/ 264.5	250/ 300																		
		236.6/ 273.0	108/ 108	327.4/ 355.5	350/ 400																		
		—	—	214.4/ 206.6	250/ 250																		
		78.9/ 90.0	36/ 36	214.4/ 210.0	250/ 250																		
		157.7/ 182.0	72/ 72	265.0/ 279.5	300/ 300																		
		236.6/ 273.0	108/ 108	343.9/ 370.5	350/ 400																		
		1	51.3	300	1	51.3	300	2	6.6 (ea)	10	30.8 / 28.0	15	46.2 / 42.0	2	7 1/2	24.2 / 22.0	—	—	— / —	78.9/ 90.0	36/ 36	159.4/ 156.6	200/ 200
																				157.7/ 182.0	72/ 72	159.4/ 156.6	200/ 200
																				236.6/ 273.0	108/ 108	196.2/ 217.0	250/ 250
																				—	—	180.6/ 175.8	225/ 225
																				78.9/ 90.0	36/ 36	180.6/ 175.8	225/ 225
157.7/ 182.0	72/ 72																			222.7/ 241.0	250/ 250		
236.6/ 273.0	108/ 108																			301.6/ 332.0	350/ 350		
—	—																			192.8/ 187.0	225/ 225		
78.9/ 90.0	36/ 36																			192.8/ 187.0	225/ 225		
157.7/ 182.0	72/ 72																			238.0/ 255.0	250/ 300		
236.6/ 273.0	108/ 108																			316.9/ 346.0	350/ 350		
—	—																			207.8/ 200.6	250/ 250		
78.9/ 90.0	36/ 36	207.8/ 202.5	250/ 250																				
157.7/ 182.0	72/ 72	256.7/ 272.0	300/ 300																				
236.6/ 273.0	108/ 108	335.6/ 363.0	350/ 400																				
—	—	221.0/ 212.6	250/ 250																				
78.9/ 90.0	36/ 36	221.0/ 217.5	250/ 250																				
157.7/ 182.0	72/ 72	273.2/ 287.0	300/ 300																				
236.6/ 273.0	108/ 108	352.1/ 378.0	400/ 400																				
1	51.3	300	1	51.3	300	2	6.6 (ea)	10	30.8 / 28.0	15	46.2 / 42.0	2	7 1/2	24.2 / 22.0	—	—	— / —	78.9/ 90.0	36/ 36	174.8/ 170.6	225/ 200		
																		157.7/ 182.0	72/ 72	174.8/ 170.6	225/ 200		
																		236.6/ 273.0	108/ 108	215.5/ 234.5	250/ 250		
																		—	—	196.0/ 189.8	225/ 225		
																		78.9/ 90.0	36/ 36	196.0/ 189.8	225/ 225		
																		157.7/ 182.0	72/ 72	242.0/ 258.5	250/ 300		
																		236.6/ 273.0	108/ 108	320.9/ 349.5	350/ 350		
																		—	—	208.2/ 201.0	250/ 250		
																		78.9/ 90.0	36/ 36	208.2/ 203.0	250/ 250		
																		157.7/ 182.0	72/ 72	257.2/ 272.5	300/ 300		
																		236.6/ 273.0	108/ 108	336.1/ 363.5	350/ 400		
																		—	—	223.2/ 214.6	250/ 250		
78.9/ 90.0	36/ 36	223.2/ 220.0	250/ 250																				
157.7/ 182.0	72/ 72	276.0/ 289.5	300/ 300																				
236.6/ 273.0	108/ 108	354.9/ 380.5	400/ 400																				
—	—	236.4/ 226.6	250/ 250																				
78.9/ 90.0	36/ 36	236.4/ 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																				

See page 110 for legend and notes.

Table 13 — 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			
Min	Max	No. A1		No. B1		Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*				
		Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)													
187	253	1	51.3	300	1	51.3	300	2	6.6 (ea)	25	59.4 / 54.0	2	30.8 / 28.0	108 / 108	36 / 36	190.1 / 183.3	225 / 225			
																78.9 / 90.0	190.1 / 183.3	225 / 225		
																157.7 / 182.0	232.0 / 249.5	250 / 300		
																236.6 / 273.0	310.9 / 340.5	350 / 350		
																—	211.3 / 202.5	250 / 250		
																78.9 / 90.0	211.3 / 204.0	250 / 250		
																157.7 / 182.0	258.5 / 273.5	300 / 300		
																236.6 / 273.0	337.4 / 364.5	350 / 400		
																—	223.5 / 213.7	250 / 250		
																78.9 / 90.0	223.5 / 218.0	250 / 250		
																157.7 / 182.0	273.7 / 287.5	300 / 300		
																236.6 / 273.0	352.6 / 378.5	400 / 400		
		—	238.5 / 227.3	250 / 250																
		78.9 / 90.0	238.5 / 235.0	250 / 250																
		157.7 / 182.0	292.5 / 304.5	300 / 350																
		236.6 / 273.0	371.4 / 395.5	400 / 400																
		—	251.7 / 239.3	300 / 250																
		78.9 / 90.0	251.7 / 250.0	300 / 250																
		157.7 / 182.0	309.0 / 319.5	350 / 350																
		236.6 / 273.0	387.9 / 410.5	400 / 450																
		1	51.3	300	1	51.3	300	2	6.6 (ea)	25	74.8 / 68.0	2	30.8 / 28.0	108 / 108	36 / 36	108 / 108	36 / 36	209.3 / 200.8	250 / 250	
																		78.9 / 90.0	209.3 / 200.8	250 / 250
																		157.7 / 182.0	251.2 / 267.0	300 / 300
																		236.6 / 273.0	330.1 / 358.0	400 / 400
—	230.5 / 220.0																	300 / 250		
78.9 / 90.0	230.5 / 221.5																	300 / 250		
157.7 / 182.0	277.7 / 291.0																	300 / 350		
236.6 / 273.0	356.6 / 382.0																	400 / 400		
—	242.7 / 231.2																	300 / 250		
78.9 / 90.0	242.7 / 235.5																	300 / 250		
157.7 / 182.0	293.0 / 305.0																	350 / 350		
236.6 / 273.0	371.9 / 396.0																	400 / 450		
—	257.7 / 244.8	300 / 300																		
78.9 / 90.0	257.7 / 252.5	300 / 300																		
157.7 / 182.0	311.7 / 322.0	350 / 350																		
236.6 / 273.0	390.6 / 413.0	450 / 450																		
—	270.9 / 256.8	300 / 300																		
78.9 / 90.0	270.9 / 267.5	300 / 300																		
157.7 / 182.0	328.2 / 337.0	350 / 350																		
236.6 / 273.0	407.1 / 428.0	450 / 450																		
1	51.3	300	1	51.3	300	2	6.6 (ea)	30	88.0 / 80.0	2	30.8 / 28.0	108 / 108	36 / 36	108 / 108	36 / 36	225.8 / 215.8	300 / 250			
																78.9 / 90.0	225.8 / 215.8	300 / 250		
																157.7 / 182.0	267.7 / 282.0	350 / 350		
																236.6 / 273.0	346.6 / 373.0	400 / 450		
																—	247.0 / 235.0	300 / 300		
																78.9 / 90.0	247.0 / 236.5	300 / 300		
																157.7 / 182.0	294.2 / 306.0	350 / 350		
																236.6 / 273.0	373.1 / 397.0	450 / 450		
																—	259.2 / 246.2	300 / 300		
																78.9 / 90.0	259.2 / 250.5	300 / 300		
																157.7 / 182.0	309.5 / 320.0	350 / 350		
																236.6 / 273.0	388.4 / 411.0	450 / 450		
—	274.2 / 259.8	350 / 300																		
78.9 / 90.0	274.2 / 267.5	350 / 300																		
157.7 / 182.0	328.2 / 337.0	400 / 400																		
236.6 / 273.0	407.1 / 428.0	450 / 450																		
—	287.4 / 271.8	350 / 350																		
78.9 / 90.0	287.4 / 282.5	350 / 350																		
157.7 / 182.0	344.7 / 352.0	400 / 400																		
236.6 / 273.0	423.6 / 443.0	450 / 500																		

See page 110 for legend and notes.

Table 13 — 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										FLA	kW		
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	2	—	—	—	—	80.8	100
															38.3	36	80.8	100
															76.8	72	92.4	110
															114.7	108	130.3	150
															—	—	88.8	110
															38.3	36	88.8	110
															76.8	72	102.4	125
															114.7	108	140.3	150
															—	—	99.0	125
															38.3	36	99.0	125
															76.8	72	115.2	125
															114.7	108	153.1	175
										—	—	105.8	125					
										38.3	36	105.8	125					
										76.8	72	123.7	125					
										114.7	108	161.6	175					
										—	—	114.2	125					
										38.3	36	114.2	125					
										76.8	72	134.2	150					
										114.7	108	172.1	175					
										—	—	85.0	110					
										38.3	36	85.0	110					
										76.8	72	97.7	125					
										114.7	108	135.6	150					
—	—	93.0	110															
38.3	36	93.0	110															
76.8	72	107.7	125															
114.7	108	145.6	150															
—	—	103.2	125															
38.3	36	103.2	125															
76.8	72	120.4	125															
114.7	108	158.3	175															
—	—	110.0	125															
38.3	36	110.0	125															
76.8	72	128.9	150															
114.7	108	166.8	175															
—	—	118.4	125															
38.3	36	118.4	125															
76.8	72	139.4	150															
114.7	108	177.3	200															
—	—	92.8	110															
38.3	36	92.8	110															
76.8	72	107.4	125															
114.7	108	145.3	150															
—	—	100.8	125															
38.3	36	100.8	125															
76.8	72	117.4	125															
114.7	108	155.3	175															
—	—	111.0	125															
38.3	36	111.0	125															
76.8	72	130.2	150															
114.7	108	168.1	175															
—	—	117.8	125															
38.3	36	117.8	125															
76.8	72	138.7	150															
114.7	108	176.6	200															
—	—	126.2	150															
38.3	36	126.2	150															
76.8	72	149.2	150															
114.7	108	187.1	200															

See page 110 for legend and notes.

Table 13 — 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										FLA	kW		
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	2	—	—	—	—	99.1	125
															38.3	36	99.1	125
															76.8	72	114.3	125
															114.7	108	152.2	175
															—	—	107.1	125
															38.3	36	107.1	125
															76.8	72	124.3	150
															114.7	108	162.2	175
															—	—	117.3	125
															38.3	36	117.3	125
															76.8	72	137.1	150
															114.7	108	175.0	200
										—	—	124.1	150					
										38.3	36	124.1	150					
										76.8	72	145.6	150					
										114.7	108	183.5	200					
										—	—	132.5	150					
										38.3	36	132.5	150					
										76.8	72	156.1	175					
										114.7	108	194.0	200					
										—	—	109.1	125					
										38.3	36	109.1	125					
										76.8	72	124.3	150					
										114.7	108	162.2	200					
—	—	117.1	150															
38.3	36	117.1	150															
76.8	72	134.3	150															
114.7	108	172.2	200															
—	—	127.3	150															
38.3	36	127.3	150															
76.8	72	147.1	175															
114.7	108	185.0	200															
—	—	134.1	150															
38.3	36	134.1	150															
76.8	72	155.6	175															
114.7	108	193.5	225															
—	—	142.5	175															
38.3	36	142.5	175															
76.8	72	166.1	175															
114.7	108	204.0	225															
—	—	116.0	150															
38.3	36	116.0	150															
76.8	72	131.2	150															
114.7	108	169.1	200															
—	—	124.0	150															
38.3	36	124.0	150															
76.8	72	141.2	175															
114.7	108	179.1	200															
—	—	134.2	175															
38.3	36	134.2	175															
76.8	72	153.9	175															
114.7	108	191.8	225															
—	—	141.0	175															
38.3	36	141.0	175															
76.8	72	162.4	175															
114.7	108	200.3	225															
—	—	149.4	175															
38.3	36	149.4	175															
76.8	72	172.9	200															
114.7	108	210.8	225															

See page 110 for legend and notes.

Table 13 — 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									
												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	—	—	—	—	—	—	2	10	14.0	—	—	—	—	—	72.6	90
																								46.3	36	75.4	90
																								93.0	72	110.5	125
																								139.0	108	156.5	175
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	—	—	—	—	—	—	2	15	21.0	—	—	—	—	—	79.6	100										
														46.3	36	84.1	100										
														93.0	72	119.3	125										
														139.0	108	165.3	175										
		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 110 for legend and notes.

Table 13 — 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	2	3	4.8	—	—	86.6	110
															46.3	36	91.6	110
															93.0	72	126.8	150
															139.0	108	172.8	175
															—	—	96.2	110
															46.3	36	103.6	110
															93.0	72	138.8	150
															139.0	108	184.8	200
															—	—	101.8	125
															46.3	36	110.6	125
															93.0	72	145.8	150
															139.0	108	191.8	200
										—	—	108.6	125					
										46.3	36	119.1	125					
										93.0	72	154.3	175					
										139.0	108	200.3	225					
										—	—	114.6	125					
										46.3	36	126.6	150					
										93.0	72	161.8	175					
										139.0	108	207.8	225					
										—	—	95.3	125					
										46.3	36	100.4	125					
										93.0	72	135.5	150					
										139.0	108	181.5	200					
—	—	104.9	125															
46.3	36	112.4	125															
93.0	72	147.5	175															
139.0	108	193.5	225															
—	—	110.5	125															
46.3	36	119.4	125															
93.0	72	154.5	175															
139.0	108	200.5	225															
—	—	117.3	150															
46.3	36	127.9	150															
93.0	72	163.0	175															
139.0	108	209.0	225															
—	—	123.3	150															
46.3	36	135.4	150															
93.0	72	170.5	175															
139.0	108	216.5	225															
—	—	102.8	125															
46.3	36	107.9	125															
93.0	72	143.0	175															
139.0	108	189.0	225															
—	—	112.4	150															
46.3	36	119.9	150															
93.0	72	155.0	175															
139.0	108	201.0	225															
—	—	118.0	150															
46.3	36	126.9	150															
93.0	72	162.0	175															
139.0	108	208.0	225															
—	—	124.8	150															
46.3	36	135.4	150															
93.0	72	170.5	200															
139.0	108	216.5	250															
—	—	130.8	150															
46.3	36	142.9	150															
93.0	72	178.0	200															
139.0	108	224.0	250															

See page 110 for legend and notes.

Table 13 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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		
												2	5	6.1	—	—	71.2	90		
															36.0	36	71.5	90		
															72.0	72	98.5	110		
															108.0	108	134.5	150		
										2	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				
										2	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	2	—	—	—	—	—	—	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														
2	5	6.1	—	—	73.2	90														
			36.0	36	74.0	90														
			72.0	72	101.0	110														
			108.0	108	137.0	150														
2	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														
2	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	2	—	—	—	—	—	—	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											
			2	5	6.1	—	—	79.2	90											
						36.0	36	81.5	90											
						72.0	72	108.5	125											
						108.0	108	144.5	150											
2	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														
2	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 110 for legend and notes.

Table 13 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	—	—	—	—	36	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	—	36	80.3	100
															36.0	36	82.3	100
															72.0	72	109.3	125
															108.0	108	145.3	150
												5	6.1	—	—	36	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	—	—	36	90.5	110		
													36.0	36	95.0	110		
													72.0	72	122.0	125		
													108.0	108	158.0	175		
										10	11.0	—	—	36	94.5	110		
													36.0	36	100.0	110		
													72.0	72	127.0	150		
													108.0	108	163.0	175		
										25	27.0	—	—	—	—	36	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	—	36	86.6	110												
			36.0	36	88.5	110												
			72.0	72	115.5	125												
			108.0	108	151.5	175												
5	6.1	—	—	36	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	—	—	36	96.8	110												
			36.0	36	101.3	110												
			72.0	72	128.3	150												
			108.0	108	164.3	175												
10	11.0	—	—	36	100.8	125												
			36.0	36	106.3	125												
			72.0	72	133.3	150												
			108.0	108	169.3	175												
30	32.0	—	—	—	—	36	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	—	36	92.8	110										
					36.0	36	94.8	110										
					72.0	72	121.8	150										
					108.0	108	157.8	175										
		5	6.1	—	—	36	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	—	—	36	103.0	125												
			36.0	36	107.5	125												
			72.0	72	134.5	150												
			108.0	108	170.5	175												
10	11.0	—	—	36	107.0	125												
			36.0	36	112.5	125												
			72.0	72	139.5	150												
			108.0	108	175.5	200												

See page 110 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5035 Units

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

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY								
Min	Max	No. A1		No. B1		Qty	FLA	Qty	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*									
		Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)																		
187	253	1	55.8	340	1	55.8	340	2	6.6 (ea)	10	30.8/28.0	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					
														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						
														2	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	
																	2	5			16.7 / 15.2	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
														7.5	24.2 / 22.0	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			
																10			30.8 / 28.0	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/ 250 300/ 300 350/ 400	
																				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	
														2	5					16.7 / 15.2		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
																						7.5	24.2 / 22.0	78.9/ 90.0 157.7/ 182.0 236.6/ 273.0	36/ 36 72/ 72 108/ 108
		10	30.8 / 28.0	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																		
				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 110 for legend and notes.

Table 14 — Electrical Data — 50P2,P3,P4,P5035 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			
Min	Max	Qty	No. A1		No. B1		Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*			
			RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)													
187	253	1	55.8	340	1	55.8	340	2	6.6 (ea)	25	74.8/68.0	2	—	—	— / —	—	—	199.1/ 192.8	250/ 225	
																78.9/ 90.0	36/ 36	199.1/ 192.8	250/ 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	
																—	—	220.3/ 212.0	250/ 250	
																78.9/ 90.0	36/ 36	220.3/ 212.0	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	
																—	—	232.5/ 223.2	250/ 250	
																78.9/ 90.0	36/ 36	232.5/ 223.2	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	
		—	—	247.5/ 236.8	300/ 250															
		78.9/ 90.0	36/ 36	247.5/ 236.8	300/ 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															
		—	—	260.7/ 248.8	300/ 300															
		78.9/ 90.0	36/ 36	260.7/ 250.0	300/ 300															
		157.7/ 182.0	72/ 72	309.0/ 319.5	350/ 350															
		236.6/ 273.0	108/ 108	387.9/ 410.5	400/ 450															
		1	55.8	1	55.8	1	55.8	340	2	6.6 (ea)	25	74.8/68.0	2	—	—	— / —	—	—	218.3/ 209.8	250/ 250
																	78.9/ 90.0	36/ 36	218.3/ 209.8	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
—	—																239.5/ 229.0	300/ 250		
78.9/ 90.0	36/ 36																239.5/ 229.0	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		
—	—																251.7/ 240.2	300/ 300		
78.9/ 90.0	36/ 36																251.7/ 240.2	300/ 300		
157.7/ 182.0	72/ 72																293.0/ 305.0	350/ 350		
236.6/ 273.0	108/ 108																371.9/ 396.0	400/ 450		
—	—	266.7/ 253.8	300/ 300																	
78.9/ 90.0	36/ 36	266.7/ 253.8	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																	
—	—	279.9/ 265.8	350/ 300																	
78.9/ 90.0	36/ 36	279.9/ 267.5	350/ 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																	
1	55.8	1	55.8	1	55.8	340	2	6.6 (ea)	30	88.0/80.0	2	—	—	— / —	—	—	234.8/ 224.8	300/ 300		
															78.9/ 90.0	36/ 36	234.8/ 224.8	300/ 300		
															157.7/ 182.0	72/ 72	267.7/ 282.0	350/ 350		
															236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450		
															—	—	256.0/ 244.0	300/ 300		
															78.9/ 90.0	36/ 36	256.0/ 244.0	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		
															—	—	268.2/ 255.2	350/ 300		
															78.9/ 90.0	36/ 36	268.2/ 255.2	350/ 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		
—	—	283.2/ 268.8	350/ 300																	
78.9/ 90.0	36/ 36	283.2/ 268.8	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																	
—	—	296.4/ 280.8	350/ 350																	
78.9/ 90.0	36/ 36	296.4/ 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 110 for legend and notes.

Table 14 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	2	—	—	—	—	98.4	125
															38.3	36	98.4	125
															76.8	72	98.4	125
															114.7	108	130.3	150
															—	—	106.4	125
															38.3	36	106.4	125
															76.8	72	106.4	125
															114.7	108	140.3	175
															—	—	116.6	150
															38.3	36	116.6	150
															76.8	72	116.6	150
															114.7	108	153.1	175
—	—	123.4	150															
38.3	36	123.4	150															
76.8	72	123.7	150															
114.7	108	161.6	175															
—	—	131.8	150															
38.3	36	131.8	150															
76.8	72	134.2	150															
114.7	108	172.1	200															
—	—	102.6	125															
38.3	36	102.6	125															
76.8	72	102.6	125															
114.7	108	135.6	150															
—	—	110.6	125															
38.3	36	110.6	125															
76.8	72	110.6	125															
114.7	108	145.6	175															
—	—	120.8	150															
38.3	36	120.8	150															
76.8	72	120.8	150															
114.7	108	158.3	175															
—	—	127.6	150															
38.3	36	127.6	150															
76.8	72	128.9	150															
114.7	108	166.8	175															
—	—	136.0	150															
38.3	36	136.0	150															
76.8	72	139.4	150															
114.7	108	177.3	200															
—	—	110.4	125															
38.3	36	110.4	125															
76.8	72	110.4	125															
114.7	108	145.3	175															
—	—	118.4	150															
38.3	36	118.4	150															
76.8	72	118.4	150															
114.7	108	155.3	175															
—	—	128.6	150															
38.3	36	128.6	150															
76.8	72	130.2	150															
114.7	108	168.1	175															
—	—	135.4	150															
38.3	36	135.4	150															
76.8	72	138.7	150															
114.7	108	176.6	200															
—	—	143.8	175															
38.3	36	143.8	175															
76.8	72	149.2	175															
114.7	108	187.1	200															

See page 110 for legend and notes.

Table 14 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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	2	3	4.0	—	—	115.9	125		
															38.3	36	115.9	125		
															76.8	72	115.9	125		
															114.7	108	152.2	175		
															—	—	123.9	150		
															38.3	36	123.9	150		
															76.8	72	124.3	150		
															114.7	108	162.2	175		
															—	—	134.1	150		
															38.3	36	134.1	150		
															76.8	72	137.1	150		
															114.7	108	175.0	200		
		—	—	140.9	150															
		38.3	36	140.9	150															
		76.8	72	145.6	150															
		114.7	108	183.5	200															
		—	—	149.3	175															
		38.3	36	149.3	175															
		76.8	72	156.1	175															
		114.7	108	194.0	200															
		1	34	196	1	34	196	2	4.7 (ea)	25	38.0	25	38.0	2	3	4.0	—	—	124.9	150
																	38.3	36	124.9	150
																	76.8	72	124.9	150
																	114.7	108	162.2	200
—	—																132.9	150		
38.3	36																132.9	150		
76.8	72																134.3	150		
114.7	108																172.2	200		
—	—																143.1	175		
38.3	36																143.1	175		
76.8	72																147.1	175		
114.7	108																185.0	200		
—	—	149.9	175																	
38.3	36	149.9	175																	
76.8	72	155.6	175																	
114.7	108	193.5	225																	
—	—	158.3	175																	
38.3	36	158.3	175																	
76.8	72	166.1	175																	
114.7	108	204.0	225																	
1	34	196	1	34	196	2	4.7 (ea)	30	43.5	30	43.5	2	3	4.0	—	—	131.8	175		
															38.3	36	131.8	175		
															76.8	72	131.8	175		
															114.7	108	169.1	200		
															—	—	139.8	175		
															38.3	36	139.8	175		
															76.8	72	141.2	175		
															114.7	108	179.1	200		
															—	—	150.0	175		
															38.3	36	150.0	175		
															76.8	72	153.9	175		
															114.7	108	191.8	225		
—	—	156.8	200																	
38.3	36	156.8	200																	
76.8	72	162.4	200																	
114.7	108	200.3	225																	
—	—	165.2	200																	
38.3	36	165.2	200																	
76.8	72	172.9	200																	
114.7	108	210.8	225																	

See page 110 for legend and notes.

Table 14 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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	2	3	4.8	—	—	78.1	100		
															46.3	36	78.1	100		
															93.0	72	106.8	125		
															139.0	108	152.8	175		
															—	—	87.7	110		
															46.3	36	87.7	110		
															93.0	72	118.8	125		
															139.0	108	164.8	175		
															—	—	93.3	110		
															46.3	36	93.3	110		
															93.0	72	125.8	150		
															139.0	108	171.8	175		
		—	—	100.1	125															
		46.3	36	100.1	125															
		93.0	72	134.3	150															
		139.0	108	180.3	200															
		—	—	106.1	125															
		46.3	36	106.6	125															
		93.0	72	141.8	150															
		139.0	108	187.8	200															
		2	3.3 (ea)	1	26.9	179	1	26.9	179	2	3.3 (ea)	10	14.0	2	3	4.8	—	—	81.1	100
																	46.3	36	81.1	100
																	93.0	72	110.5	125
																	139.0	108	156.5	175
—	—																90.7	110		
46.3	36																90.7	110		
93.0	72																122.5	150		
139.0	108																168.5	175		
—	—																96.3	110		
46.3	36																96.3	110		
93.0	72																129.5	150		
139.0	108																175.5	200		
—	—	103.1	125																	
46.3	36	103.1	125																	
93.0	72	138.0	150																	
139.0	108	184.0	200																	
—	—	109.1	125																	
46.3	36	110.4	125																	
93.0	72	145.5	150																	
139.0	108	191.5	200																	
2	3.3 (ea)	1	26.9	179	1	26.9	179	2	3.3 (ea)	15	21.0	2	3	4.8	—	—	88.1	110		
															46.3	36	88.1	110		
															93.0	72	119.3	125		
															139.0	108	165.3	175		
															—	—	97.7	110		
															46.3	36	97.7	110		
															93.0	72	131.3	150		
															139.0	108	177.3	200		
															—	—	103.3	125		
															46.3	36	103.3	125		
															93.0	72	138.3	150		
															139.0	108	184.3	200		
—	—	110.1	125																	
46.3	36	111.6	125																	
93.0	72	146.8	150																	
139.0	108	192.8	200																	
—	—	116.1	125																	
46.3	36	119.1	125																	
93.0	72	154.3	175																	
139.0	108	200.3	225																	

See page 110 for legend and notes.

Table 14 — 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										FLA	kW		
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	2	3	4.8	—	—	94.2	110
															46.3	36	94.2	110
															93.0	72	126.8	150
															139.0	108	172.8	175
															—	—	103.8	125
															46.3	36	103.8	125
															93.0	72	138.8	150
															139.0	108	184.8	200
															—	—	109.4	125
															46.3	36	110.6	125
															93.0	72	145.8	150
															139.0	108	191.8	200
—	—	116.2	125															
46.3	36	119.1	125															
93.0	72	154.3	175															
139.0	108	200.3	225															
—	—	122.2	125															
46.3	36	126.6	150															
93.0	72	161.8	175															
139.0	108	207.8	225															
—	—	102.9	125															
46.3	36	102.9	125															
93.0	72	135.5	150															
139.0	108	181.5	200															
—	—	112.5	125															
46.3	36	112.5	125															
93.0	72	147.5	175															
139.0	108	193.5	225															
—	—	118.1	150															
46.3	36	119.4	150															
93.0	72	154.5	175															
139.0	108	200.5	225															
—	—	124.9	150															
46.3	36	127.9	150															
93.0	72	163.0	175															
139.0	108	209.0	225															
—	—	130.9	150															
46.3	36	135.4	150															
93.0	72	170.5	175															
139.0	108	216.5	225															
—	—	110.4	150															
46.3	36	110.4	150															
93.0	72	143.0	175															
139.0	108	189.0	225															
—	—	120.0	150															
46.3	36	120.0	150															
93.0	72	155.0	175															
139.0	108	201.0	225															
—	—	125.6	150															
46.3	36	126.9	150															
93.0	72	162.0	175															
139.0	108	208.0	225															
—	—	132.4	150															
46.3	36	135.4	150															
93.0	72	170.5	200															
139.0	108	216.5	250															
—	—	138.4	175															
46.3	36	142.9	175															
93.0	72	178.0	200															
139.0	108	224.0	250															

See page 110 for legend and notes.

Table 14 — 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										FLA	kW												
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	2	—	—	—	—	67.5	90										
															36.0	36	67.5	90										
															72.0	72	83.3	110										
															108.0	108	119.3	125										
															—	—	75.3	90										
															36.0	36	75.3	90										
															72.0	72	93.0	110										
															108.0	108	129.0	150										
															—	—	79.7	100										
															36.0	36	79.7	100										
															72.0	72	98.5	110										
															108.0	108	134.5	150										
										—	—	85.5	100															
										36.0	36	85.5	100															
										72.0	72	105.8	125															
										108.0	108	141.8	150															
										—	—	89.5	110															
										36.0	36	89.5	110															
										72.0	72	110.8	125															
										108.0	108	146.8	150															
										518	632	1	23.7	132	1	23.7	132	2	2.6 (ea)	10	11.0	2	—	—	—	—	69.5	90
																									36.0	36	69.5	90
																									72.0	72	85.8	110
																									108.0	108	121.8	125
—	—	77.3	100																									
36.0	36	77.3	100																									
72.0	72	95.5	110																									
108.0	108	131.5	150																									
—	—	81.7	100																									
36.0	36	81.7	100																									
72.0	72	101.0	110																									
108.0	108	137.0	150																									
—	—	87.5	110																									
36.0	36	87.5	110																									
72.0	72	108.3	125																									
108.0	108	144.3	150																									
—	—	91.5	110																									
36.0	36	91.5	110																									
72.0	72	113.3	125																									
108.0	108	149.3	150																									
518	632	1	23.7	132	1	23.7	132	2	2.6 (ea)	15	17.0	2	—	—	—	—	75.5	90										
															36.0	36	75.5	90										
															72.0	72	93.3	110										
															108.0	108	129.3	150										
															—	—	83.3	100										
															36.0	36	83.3	100										
										72.0	72	103.0	125															
										108.0	108	139.0	150															
										—	—	87.7	110															
										36.0	36	87.7	110															
										72.0	72	108.5	125															
										108.0	108	144.5	150															
—	—	93.5	110																									
36.0	36	93.5	110																									
72.0	72	115.8	125																									
108.0	108	151.8	175																									
—	—	97.5	110																									
36.0	36	97.5	110																									
72.0	72	120.8	125																									
108.0	108	156.8	175																									

See page 110 for legend and notes.

Table 14 — 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										FLA	kW		
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	2	3	3.9	—	—	80.5	100
															36.0	36	80.5	100
															72.0	72	99.5	110
															108.0	108	135.5	150
															—	—	88.3	110
															36.0	36	88.3	110
															72.0	72	109.3	125
															108.0	108	145.3	150
															—	—	92.7	110
															36.0	36	92.7	110
															72.0	72	114.8	125
															108.0	108	150.8	175
		—	—	98.5	110													
		36.0	36	98.5	110													
		72.0	72	122.0	125													
		108.0	108	158.0	175													
		—	—	102.5	125													
		36.0	36	102.5	125													
		72.0	72	127.0	150													
		108.0	108	163.0	175													
		2	27.0	2	3	3.9	—	—	86.4	110								
							36.0	36	86.4	110								
							72.0	72	105.8	125								
							108.0	108	141.8	150								
—	—						94.2	110										
36.0	36						94.2	110										
72.0	72						115.5	125										
108.0	108						151.5	175										
—	—						98.6	125										
36.0	36						98.6	125										
72.0	72						121.0	125										
108.0	108						157.0	175										
—	—	104.4	125															
36.0	36	104.4	125															
72.0	72	128.3	150															
108.0	108	164.3	175															
—	—	108.4	125															
36.0	36	108.4	125															
72.0	72	133.3	150															
108.0	108	169.3	175															
3	32.0	2	3	3.9	—	—	92.6	110										
					36.0	36	92.6	110										
					72.0	72	112.0	125										
					108.0	108	148.0	175										
					—	—	100.4	125										
					36.0	36	100.4	125										
					72.0	72	121.8	150										
					108.0	108	157.8	175										
					—	—	104.8	125										
					36.0	36	104.8	125										
					72.0	72	127.3	150										
					108.0	108	163.3	175										
—	—	110.6	125															
36.0	36	110.6	125															
72.0	72	134.5	150															
108.0	108	170.5	175															
—	—	114.6	125															
36.0	36	114.6	125															
72.0	72	139.5	150															
108.0	108	175.5	200															

See page 110 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5040 Units

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

VOLTAGE RANGE		COMPRESSOR						CONDENSER FAN MOTOR		EVAPORATOR FAN MOTOR		POWER EXHAUST			OPTIONAL ELECTRIC HEAT		POWER SUPPLY										
Min	Max	No. A1		No. B1		Qty	FLA	Qty	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*											
		Qty	RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)																				
187	253	1	55.8	340	2	30.1	225	3	6.6 (ea)	10	30.8/28.0	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							
														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								
														2	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			
																	2	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			
																				2		5	16.7 / 15.2	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
																7.5			24.2 / 22.0					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
														10	30.8 / 28.0									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
		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 110 for legend and notes.

Table 15 — Electrical Data — 50P2,P3,P4,P5040 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	
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)	25	59.4/54.0	2	3	10.6 / 9.6	—	—	210.1/ 203.8	250/ 250
															78.9/ 90.0	36/ 36	210.1/ 203.8	250/ 250
															157.7/ 182.0	72/ 72	232.0/ 249.5	250/ 300
															236.6/ 273.0	108/ 108	310.9/ 340.5	350/ 350
															—	—	231.3/ 223.0	250/ 250
															78.9/ 90.0	36/ 36	231.3/ 223.0	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
															—	—	243.5/ 234.2	300/ 250
															78.9/ 90.0	36/ 36	243.5/ 234.2	300/ 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
		—	—	258.5/ 247.8	300/ 300													
		78.9/ 90.0	36/ 36	258.5/ 247.8	300/ 300													
		157.7/ 182.0	72/ 72	292.5/ 304.5	300/ 350													
		236.6/ 273.0	108/ 108	371.4/ 395.5	400/ 400													
		—	—	271.7/ 259.8	300/ 300													
		78.9/ 90.0	36/ 36	271.7/ 259.8	300/ 300													
		157.7/ 182.0	72/ 72	309.0/ 319.5	350/ 350													
		236.6/ 273.0	108/ 108	387.9/ 410.5	400/ 450													
		—	—	229.3/ 220.8	300/ 250													
		78.9/ 90.0	36/ 36	229.3/ 220.8	300/ 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													
—	—	250.5/ 240.0	300/ 300															
78.9/ 90.0	36/ 36	250.5/ 240.0	300/ 300															
157.7/ 182.0	72/ 72	277.7/ 291.0	300/ 350															
236.6/ 273.0	108/ 108	356.6/ 382.0	400/ 400															
—	—	262.7/ 251.2	300/ 300															
78.9/ 90.0	36/ 36	262.7/ 251.2	300/ 300															
157.7/ 182.0	72/ 72	293.0/ 305.0	350/ 350															
236.6/ 273.0	108/ 108	371.9/ 396.0	400/ 450															
—	—	277.7/ 264.8	350/ 300															
78.9/ 90.0	36/ 36	277.7/ 264.8	350/ 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															
—	—	290.9/ 276.8	350/ 300															
78.9/ 90.0	36/ 36	290.9/ 276.8	350/ 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															
—	—	245.8/ 235.8	300/ 300															
78.9/ 90.0	36/ 36	245.8/ 235.8	300/ 300															
157.7/ 182.0	72/ 72	267.7/ 282.0	350/ 350															
236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450															
—	—	267.0/ 255.0	350/ 300															
78.9/ 90.0	36/ 36	267.0/ 255.0	350/ 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															
—	—	279.2/ 266.2	350/ 300															
78.9/ 90.0	36/ 36	279.2/ 266.2	350/ 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															
—	—	294.2/ 279.8	350/ 350															
78.9/ 90.0	36/ 36	294.2/ 279.8	350/ 350															
157.7/ 182.0	72/ 72	328.2/ 337.0	400/ 400															
236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450															
—	—	307.4/ 291.8	350/ 350															
78.9/ 90.0	36/ 36	307.4/ 291.8	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 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	—	—	—	—	36	105.1	125
															38.3	72	105.1	125
															76.8	108	130.3	150
															114.7	—	113.1	125
															—	36	113.1	125
															38.3	72	113.1	125
					76.8	108	140.3	175										
					114.7	—	123.3	150										
					—	36	123.3	150										
					38.3	72	123.3	150										
					76.8	108	153.1	175										
					114.7	—	130.1	150										
		—	36	130.1	150													
		38.3	72	130.1	150													
		76.8	108	161.6	175													
		114.7	—	138.5	150													
		—	36	138.5	150													
		38.3	72	138.5	150													
		76.8	108	172.1	200													
		114.7	—	109.3	125													
		—	36	109.3	125													
		38.3	72	109.3	125													
		76.8	108	135.6	150													
		114.7	—	117.3	150													
—	36	117.3	150															
38.3	72	117.3	150															
76.8	108	145.6	175															
114.7	—	127.5	150															
—	36	127.5	150															
38.3	72	127.5	150															
76.8	108	158.3	175															
114.7	—	134.3	150															
—	36	134.3	150															
38.3	72	134.3	150															
76.8	108	166.8	175															
114.7	—	142.7	175															
—	36	142.7	175															
38.3	72	142.7	175															
76.8	108	177.3	200															
114.7	—	117.1	150															
—	36	117.1	150															
38.3	72	117.1	150															
76.8	108	145.3	175															
114.7	—	125.1	150															
—	36	125.1	150															
38.3	72	125.1	150															
76.8	108	155.3	175															
114.7	—	135.3	150															
—	36	135.3	150															
38.3	72	135.3	150															
76.8	108	168.1	175															
114.7	—	142.1	175															
—	36	142.1	175															
38.3	72	142.1	175															
76.8	108	176.6	200															
114.7	—	150.5	175															
—	36	150.5	175															
38.3	72	150.5	175															
76.8	108	187.1	200															
114.7	—	—	—															

See page 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	2	3	4.0	—	—	122.6	150
															38.3	36	122.6	150
															76.8	72	122.6	150
															114.7	108	152.2	175
															—	—	130.6	150
															38.3	36	130.6	150
					76.8	72	130.6	150										
					114.7	108	162.2	175										
					—	—	140.8	150										
					38.3	36	140.8	150										
					76.8	72	140.8	150										
					114.7	108	175.0	200										
		—	—	147.6	175													
		38.3	36	147.6	175													
		76.8	72	147.6	175													
		114.7	108	183.5	200													
		—	—	156.0	175													
		38.3	36	156.0	175													
		76.8	72	156.1	175													
		114.7	108	194.0	200													
		—	—	131.6	150													
		38.3	36	131.6	150													
		76.8	72	131.6	150													
		114.7	108	162.2	200													
—	—	139.6	175															
38.3	36	139.6	175															
76.8	72	139.6	175															
114.7	108	172.2	200															
—	—	149.8	175															
38.3	36	149.8	175															
76.8	72	149.8	175															
114.7	108	185.0	200															
—	—	156.6	175															
38.3	36	156.6	175															
76.8	72	156.6	175															
114.7	108	193.5	225															
—	—	165.0	200															
38.3	36	165.0	200															
76.8	72	166.1	200															
114.7	108	204.0	225															
—	—	138.5	175															
38.3	36	138.5	175															
76.8	72	138.5	175															
114.7	108	169.1	200															
—	—	146.5	175															
38.3	36	146.5	175															
76.8	72	146.5	175															
114.7	108	179.1	200															
—	—	156.7	200															
38.3	36	156.7	200															
76.8	72	156.7	200															
114.7	108	191.8	225															
—	—	163.5	200															
38.3	36	163.5	200															
76.8	72	163.5	200															
114.7	108	200.3	225															
—	—	171.9	200															
38.3	36	171.9	200															
76.8	72	172.9	200															
114.7	108	210.8	225															

See page 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*										
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										
												2	5	7.6	—	—	103.1	125										
															46.3	36	103.1	125										
															93.0	72	125.8	150										
															139.0	108	171.8	175										
										2	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												
										2	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	3.3 (ea)	3	3.3 (ea)	3	3.3 (ea)	3	3.3 (ea)	10	14.0	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																						
2	5	7.6	—	—	106.1	125																						
			46.3	36	106.1	125																						
			93.0	72	129.5	150																						
			139.0	108	175.5	200																						
2	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																						
2	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	21.0	3	21.0	3	21.0	3	21.0	15	21.0	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										
												2	5	7.6	—	—	113.1	125										
															46.3	36	113.1	125										
															93.0	72	138.3	150										
															139.0	108	184.3	200										
2	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																						
2	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 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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	2	3	11.0	—	—	104.0	125		
															—	—	46.3	36	104.0	125
															—	—	93.0	72	126.8	150
															—	—	139.0	108	172.8	175
															—	—	—	—	113.6	125
															3	4.8	46.3	36	113.6	125
															—	—	93.0	72	138.8	150
															—	—	139.0	108	184.8	200
															5	7.6	46.3	36	119.2	125
															—	—	93.0	72	119.2	125
															—	—	139.0	108	145.8	150
															7.5	11.0	46.3	36	126.0	150
—	—	93.0	72	126.0	150															
—	—	139.0	108	154.3	175															
10	14.0	46.3	36	200.3	225															
—	—	93.0	72	126.0	150															
—	—	139.0	108	132.0	150															
—	—	—	—	132.0	150															
—	—	—	—	132.0	150															
—	—	—	—	161.8	175															
—	—	—	—	207.8	225															
—	—	—	—	112.7	125															
—	—	—	—	112.7	125															
—	—	—	—	135.5	150															
—	—	—	—	181.5	200															
—	—	—	—	122.3	150															
3	4.8	46.3	36	122.3	150															
—	—	93.0	72	147.5	175															
—	—	139.0	108	193.5	225															
—	—	—	—	127.9	150															
5	7.6	46.3	36	127.9	150															
—	—	93.0	72	154.5	175															
—	—	139.0	108	200.5	225															
—	—	—	—	134.7	150															
7.5	11.0	46.3	36	134.7	150															
—	—	93.0	72	163.0	175															
—	—	139.0	108	209.0	225															
—	—	—	—	140.7	150															
10	14.0	46.3	36	140.7	150															
—	—	93.0	72	170.5	175															
—	—	139.0	108	216.5	225															
—	—	—	—	120.2	150															
—	—	—	—	120.2	150															
—	—	—	—	143.0	175															
—	—	—	—	189.0	225															
—	—	—	—	129.8	150															
3	4.8	46.3	36	129.8	150															
—	—	93.0	72	155.0	175															
—	—	139.0	108	201.0	225															
—	—	—	—	135.4	175															
5	7.6	46.3	36	135.4	175															
—	—	93.0	72	162.0	175															
—	—	139.0	108	208.0	225															
—	—	—	—	142.2	175															
7.5	11.0	46.3	36	142.2	175															
—	—	93.0	72	170.5	200															
—	—	139.0	108	216.5	250															
—	—	—	—	148.2	175															
10	14.0	46.3	36	148.2	175															
—	—	93.0	72	178.0	200															
—	—	139.0	108	224.0	250															

See page 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*					
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					
												2	5	6.1	—	—	83.0	100					
															36.0	36	83.0	100					
															72.0	72	98.5	110					
															108.0	108	134.5	150					
										2	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							
										2	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	2	12.2	80	3	2.6 (ea)	—	—	—	—	—	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																	
2	5	6.1	—	—	85.0	100																	
			36.0	36	85.0	100																	
			72.0	72	101.0	110																	
			108.0	108	137.0	150																	
2	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																	
2	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	2	12.2	80	3	2.6 (ea)	—	—	—	—	—	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										
							2	5	6.1	—	—	91.0	110										
										36.0	36	91.0	110										
										72.0	72	108.5	125										
										108.0	108	144.5	150										
2	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																	
2	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 110 for legend and notes.

Table 15 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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	2	3	11.0	—	—	83.8	100		
															—	—	36.0	36	83.8	100
															—	—	72.0	72	99.5	110
															—	—	108.0	108	135.5	150
															3	3.9	—	—	91.6	110
															3	3.9	36.0	36	91.6	110
															3	3.9	72.0	72	109.3	125
															3	3.9	108.0	108	145.3	150
															5	6.1	—	—	96.0	110
															5	6.1	36.0	36	96.0	110
															5	6.1	72.0	72	114.8	125
															5	6.1	108.0	108	150.8	175
7.5	9.0	—	—	101.8	125															
7.5	9.0	36.0	36	101.8	125															
7.5	9.0	72.0	72	122.0	125															
7.5	9.0	108.0	108	158.0	175															
10	11.0	—	—	105.8	125															
10	11.0	36.0	36	105.8	125															
10	11.0	72.0	72	127.0	150															
10	11.0	108.0	108	163.0	175															
518	632	1	23.7	132	2	12.2	80	3	2.6 (ea)	25	27.0	2	3	11.0	—	—	89.7	110		
															—	—	36.0	36	89.7	110
															—	—	72.0	72	105.8	125
															—	—	108.0	108	141.8	150
															3	3.9	—	—	97.5	110
															3	3.9	36.0	36	97.5	110
															3	3.9	72.0	72	115.5	125
															3	3.9	108.0	108	151.5	175
															5	6.1	—	—	101.9	125
															5	6.1	36.0	36	101.9	125
															5	6.1	72.0	72	121.0	125
															5	6.1	108.0	108	157.0	175
7.5	9.0	—	—	107.7	125															
7.5	9.0	36.0	36	107.7	125															
7.5	9.0	72.0	72	128.3	150															
7.5	9.0	108.0	108	164.3	175															
10	11.0	—	—	111.7	125															
10	11.0	36.0	36	111.7	125															
10	11.0	72.0	72	133.3	150															
10	11.0	108.0	108	169.3	175															
518	632	1	23.7	132	2	12.2	80	3	2.6 (ea)	30	32.0	2	3	11.0	—	—	95.9	125		
															—	—	36.0	36	95.9	125
															—	—	72.0	72	112.0	125
															—	—	108.0	108	148.0	175
															3	3.9	—	—	103.7	125
															3	3.9	36.0	36	103.7	125
															3	3.9	72.0	72	121.8	150
															3	3.9	108.0	108	157.8	175
															5	6.1	—	—	108.1	125
															5	6.1	36.0	36	108.1	125
															5	6.1	72.0	72	127.3	150
															5	6.1	108.0	108	163.3	175
7.5	9.0	—	—	113.9	125															
7.5	9.0	36.0	36	113.9	125															
7.5	9.0	72.0	72	134.5	150															
7.5	9.0	108.0	108	170.5	175															
10	11.0	—	—	117.9	125															
10	11.0	36.0	36	117.9	125															
10	11.0	72.0	72	139.5	150															
10	11.0	108.0	108	175.5	200															

See page 110 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5050 Units

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

VOLTAGE RANGE		COMPRESSOR						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)	10	30.8/28.0	2	7 1/2	24.2 / 22.0	—	—	225.4/ 223.2	250/ 250	
															78.9/ 90.0	36/ 36	225.4/ 223.2	250/ 250	
															157.7/ 182.0	72/ 72	225.4/ 223.2	250/ 250	
															236.6/ 273.0	108/ 108	266.9/ 300.5	300/ 350	
															—	—	246.6/ 242.4	250/ 250	
															78.9/ 90.0	36/ 36	246.6/ 242.4	250/ 250	
															157.7/ 182.0	72/ 72	246.6/ 242.4	250/ 250	
															236.6/ 273.0	108/ 108	293.4/ 324.5	300/ 350	
															—	—	258.8/ 253.6	300/ 300	
															78.9/ 90.0	36/ 36	258.8/ 253.6	300/ 300	
															157.7/ 182.0	72/ 72	258.8/ 253.6	300/ 300	
															236.6/ 273.0	108/ 108	308.6/ 338.5	350/ 350	
		—	—	273.8/ 267.2	300/ 300														
		78.9/ 90.0	36/ 36	273.8/ 267.2	300/ 300														
		157.7/ 182.0	72/ 72	273.8/ 267.2	300/ 300														
		236.6/ 273.0	108/ 108	327.4/ 355.5	350/ 400														
		—	—	287.0/ 279.2	300/ 300														
		78.9/ 90.0	36/ 36	287.0/ 279.2	300/ 300														
		157.7/ 182.0	72/ 72	287.0/ 279.5	300/ 300														
		236.6/ 273.0	108/ 108	343.9/ 370.5	350/ 400														
		2	33.3	2	239	2	48.1	245	4	6.6 (ea)	10	30.8/28.0	2	7 1/2	24.2 / 22.0	—	—	232.0/ 229.2	250/ 250
																78.9/ 90.0	36/ 36	232.0/ 229.2	250/ 250
																157.7/ 182.0	72/ 72	232.0/ 229.2	250/ 250
																236.6/ 273.0	108/ 108	275.1/ 308.0	300/ 350
—	—															253.2/ 248.4	300/ 250		
78.9/ 90.0	36/ 36															253.2/ 248.4	300/ 250		
157.7/ 182.0	72/ 72															253.2/ 248.4	300/ 250		
236.6/ 273.0	108/ 108															301.6/ 332.0	350/ 350		
—	—															265.4/ 259.6	300/ 300		
78.9/ 90.0	36/ 36															265.4/ 259.6	300/ 300		
157.7/ 182.0	72/ 72															265.4/ 259.6	300/ 300		
236.6/ 273.0	108/ 108															316.9/ 346.0	350/ 350		
—	—	280.4/ 273.2	300/ 300																
78.9/ 90.0	36/ 36	280.4/ 273.2	300/ 300																
157.7/ 182.0	72/ 72	280.4/ 273.2	300/ 300																
236.6/ 273.0	108/ 108	335.6/ 363.0	350/ 400																
—	—	293.6/ 285.2	300/ 300																
78.9/ 90.0	36/ 36	293.6/ 285.2	300/ 300																
157.7/ 182.0	72/ 72	293.6/ 287.0	300/ 300																
236.6/ 273.0	108/ 108	352.1/ 378.0	400/ 400																
2	33.3	2	239	2	48.1	245	4	6.6 (ea)	15	46.2/42.0	2	7 1/2	24.2 / 22.0	—	—	247.4/ 243.2	250/ 250		
														78.9/ 90.0	36/ 36	247.4/ 243.2	250/ 250		
														157.7/ 182.0	72/ 72	247.4/ 243.2	250/ 250		
														236.6/ 273.0	108/ 108	294.4/ 325.5	300/ 350		
														—	—	268.6/ 262.4	300/ 300		
														78.9/ 90.0	36/ 36	268.6/ 262.4	300/ 300		
														157.7/ 182.0	72/ 72	268.6/ 262.4	300/ 300		
														236.6/ 273.0	108/ 108	320.9/ 349.5	350/ 350		
														—	—	280.8/ 273.6	300/ 300		
														78.9/ 90.0	36/ 36	280.8/ 273.6	300/ 300		
														157.7/ 182.0	72/ 72	280.8/ 273.6	300/ 300		
														236.6/ 273.0	108/ 108	336.1/ 363.5	350/ 400		
—	—	295.8/ 287.2	300/ 300																
78.9/ 90.0	36/ 36	295.8/ 287.2	300/ 300																
157.7/ 182.0	72/ 72	295.8/ 289.5	300/ 300																
236.6/ 273.0	108/ 108	354.9/ 380.5	400/ 400																
—	—	309.0/ 299.2	350/ 300																
78.9/ 90.0	36/ 36	309.0/ 299.2	350/ 300																
157.7/ 182.0	72/ 72	309.0/ 304.5	350/ 350																
236.6/ 273.0	108/ 108	371.4/ 395.5	400/ 400																

See page 110 for legend and notes.

Table 16 — Electrical Data — 50P2,P3,P4,P5050 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	
Min	Max	Qty	No. A1		No. B1		Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
			RLA (ea)	LRA (ea)	Qty	RLA (ea)	LRA (ea)											
187	253	2	33.3	239	2	48.1	245	4	6.6 (ea)	20	59.4/54.0	2	3	10.6 / 9.6	—	—	263.5/ 256.7	300/ 300
															78.9/ 90.0	36/ 36	263.5/ 256.7	300/ 300
															157.7/ 182.0	72/ 72	263.5/ 256.7	300/ 300
															236.6/ 273.0	108/ 108	310.9/ 340.5	350/ 350
															—	—	284.7/ 275.9	300/ 300
															78.9/ 90.0	36/ 36	284.7/ 275.9	300/ 300
															157.7/ 182.0	72/ 72	284.7/ 275.9	300/ 300
															236.6/ 273.0	108/ 108	337.4/ 364.5	350/ 400
															—	—	296.9/ 287.1	350/ 300
															78.9/ 90.0	36/ 36	296.9/ 287.1	350/ 300
															157.7/ 182.0	72/ 72	296.9/ 287.5	350/ 300
															236.6/ 273.0	108/ 108	352.6/ 378.5	400/ 400
		—	—	311.9/ 300.7	350/ 350													
		78.9/ 90.0	36/ 36	311.9/ 300.7	350/ 350													
		157.7/ 182.0	72/ 72	311.9/ 304.5	350/ 350													
		236.6/ 273.0	108/ 108	371.4/ 395.5	400/ 400													
		—	—	325.1/ 312.7	350/ 350													
		78.9/ 90.0	36/ 36	325.1/ 312.7	350/ 350													
		157.7/ 182.0	72/ 72	325.1/ 319.5	350/ 350													
		236.6/ 273.0	108/ 108	387.9/ 410.5	400/ 450													
		2	33.3	239	2	48.1	245	4	6.6 (ea)	25	74.8/68.0	2	3	10.6 / 9.6	—	—	282.7/ 274.2	350/ 300
															78.9/ 90.0	36/ 36	282.7/ 274.2	350/ 300
															157.7/ 182.0	72/ 72	282.7/ 274.2	350/ 300
															236.6/ 273.0	108/ 108	330.1/ 358.0	400/ 400
—	—														303.9/ 293.4	350/ 350		
78.9/ 90.0	36/ 36														303.9/ 293.4	350/ 350		
157.7/ 182.0	72/ 72														303.9/ 293.4	350/ 350		
236.6/ 273.0	108/ 108														356.6/ 382.0	400/ 400		
—	—														316.1/ 304.6	350/ 350		
78.9/ 90.0	36/ 36														316.1/ 304.6	350/ 350		
157.7/ 182.0	72/ 72														316.1/ 305.0	350/ 350		
236.6/ 273.0	108/ 108														371.9/ 396.0	400/ 450		
—	—	331.1/ 318.2	400/ 350															
78.9/ 90.0	36/ 36	331.1/ 318.2	400/ 350															
157.7/ 182.0	72/ 72	331.1/ 322.0	400/ 350															
236.6/ 273.0	108/ 108	390.6/ 413.0	450/ 450															
—	—	344.3/ 330.2	400/ 350															
78.9/ 90.0	36/ 36	344.3/ 330.2	400/ 350															
157.7/ 182.0	72/ 72	344.3/ 337.0	400/ 350															
236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450															
2	33.3	239	2	48.1	245	4	6.6 (ea)	30	88.0/80.0	2	3	10.6 / 9.6	—	—	299.2/ 289.2	350/ 350		
													78.9/ 90.0	36/ 36	299.2/ 289.2	350/ 350		
													157.7/ 182.0	72/ 72	299.2/ 289.2	350/ 350		
													236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450		
													—	—	320.4/ 308.4	400/ 350		
													78.9/ 90.0	36/ 36	320.4/ 308.4	400/ 350		
													157.7/ 182.0	72/ 72	320.4/ 308.4	400/ 350		
													236.6/ 273.0	108/ 108	373.1/ 397.0	450/ 450		
													—	—	332.6/ 319.6	400/ 350		
													78.9/ 90.0	36/ 36	332.6/ 319.6	400/ 350		
													157.7/ 182.0	72/ 72	332.6/ 320.0	400/ 350		
													236.6/ 273.0	108/ 108	388.4/ 411.0	450/ 450		
—	—	347.6/ 333.2	400/ 400															
78.9/ 90.0	36/ 36	347.6/ 333.2	400/ 400															
157.7/ 182.0	72/ 72	347.6/ 337.0	400/ 400															
236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450															
—	—	360.8/ 345.2	400/ 400															
78.9/ 90.0	36/ 36	360.8/ 345.2	400/ 400															
157.7/ 182.0	72/ 72	360.8/ 352.0	400/ 400															
236.6/ 273.0	108/ 108	423.6/ 443.0	450/ 500															

See page 110 for legend and notes.

Table 16 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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)	10	16.7	2	3	4.0	—	—	128.8	150
															38.3	36	128.8	150
															76.8	72	128.8	150
															114.7	108	130.3	150
															—	—	136.8	150
															38.3	36	136.8	150
															76.8	72	136.8	150
															114.7	108	140.3	150
															—	—	147.0	150
															38.3	36	147.0	150
															76.8	72	147.0	150
															114.7	108	153.1	175
		—	—	153.8	175													
		38.3	36	153.8	175													
		76.8	72	153.8	175													
		114.7	108	161.6	175													
		—	—	162.2	175													
		38.3	36	162.2	175													
		76.8	72	162.2	175													
		114.7	108	172.1	175													
		—	—	133.0	150													
		38.3	36	133.0	150													
		76.8	72	133.0	150													
		114.7	108	135.6	150													
—	—	141.0	150															
38.3	36	141.0	150															
76.8	72	141.0	150															
114.7	108	145.6	150															
—	—	151.2	175															
38.3	36	151.2	175															
76.8	72	151.2	175															
114.7	108	158.3	175															
—	—	158.0	175															
38.3	36	158.0	175															
76.8	72	158.0	175															
114.7	108	166.8	175															
—	—	166.4	175															
38.3	36	166.4	175															
76.8	72	166.4	175															
114.7	108	177.3	200															
—	—	141.0	150															
38.3	36	141.0	150															
76.8	72	141.0	150															
114.7	108	145.3	150															
—	—	149.0	150															
38.3	36	149.0	150															
76.8	72	149.0	150															
114.7	108	155.3	175															
—	—	159.2	175															
38.3	36	159.2	175															
76.8	72	159.2	175															
114.7	108	168.1	175															
—	—	166.0	175															
38.3	36	166.0	175															
76.8	72	166.0	175															
114.7	108	176.6	200															
—	—	174.4	175															
38.3	36	174.4	175															
76.8	72	174.4	175															
114.7	108	187.1	200															

See page 110 for legend and notes.

Table 16 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	2	3	4.0	—	—	147.9	175
															38.3	36	147.9	175
															76.8	72	147.9	175
															114.7	108	152.2	175
															—	—	155.9	175
															38.3	36	155.9	175
															76.8	72	155.9	175
															114.7	108	162.2	175
															—	—	166.1	175
															38.3	36	166.1	175
															76.8	72	166.1	175
															114.7	108	175.0	200
		—	—	172.9	200													
		38.3	36	172.9	200													
		76.8	72	172.9	200													
		114.7	108	183.5	200													
		—	—	181.3	200													
		38.3	36	181.3	200													
		76.8	72	181.3	200													
		114.7	108	194.0	200													
		—	—	157.9	175													
		38.3	36	157.9	175													
		76.8	72	157.9	175													
		114.7	108	162.2	200													
—	—	165.9	200															
38.3	36	165.9	200															
76.8	72	165.9	200															
114.7	108	172.2	200															
—	—	176.1	200															
38.3	36	176.1	200															
76.8	72	176.1	200															
114.7	108	185.0	200															
—	—	182.9	200															
38.3	36	182.9	200															
76.8	72	182.9	200															
114.7	108	193.5	225															
—	—	191.3	225															
38.3	36	191.3	225															
76.8	72	191.3	225															
114.7	108	204.0	225															
—	—	164.8	200															
38.3	36	164.8	200															
76.8	72	164.8	200															
114.7	108	169.1	200															
—	—	172.8	200															
38.3	36	172.8	200															
76.8	72	172.8	200															
114.7	108	179.1	200															
—	—	183.0	225															
38.3	36	183.0	225															
76.8	72	183.0	225															
114.7	108	191.8	225															
—	—	189.8	225															
38.3	36	189.8	225															
76.8	72	189.8	225															
114.7	108	200.3	225															
—	—	198.2	225															
38.3	36	198.2	225															
76.8	72	198.2	225															
114.7	108	210.8	225															

See page 110 for legend and notes.

Table 16 — 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											FLA	kW												
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										
												—	—	111.5	125													
												3	4.8	46.3	36	111.5	125											
												93.0	72	118.8	125													
												139.0	108	164.8	175													
												—	—	117.1	125													
												5	7.6	46.3	36	117.1	125											
												93.0	72	125.8	150													
												139.0	108	171.8	175													
										—	—	123.9	125															
										7.5	11.0	46.3	36	123.9	125													
										93.0	72	134.3	150															
										139.0	108	180.3	200															
										—	—	129.9	150															
										10	14.0	46.3	36	129.9	150													
										93.0	72	141.8	150															
										139.0	108	187.8	200															
										—	—	—	—	—	—	—	—	4	3.3 (ea)	10	14.0	—	—	—	—	—	104.9	110
																									46.3	36	104.9	110
																									93.0	72	110.5	125
																									139.0	108	156.5	175
—	—	114.5	125																									
3	4.8	46.3	36	114.5	125																							
93.0	72	122.5	125																									
139.0	108	168.5	175																									
—	—	120.1	125																									
5	7.6	46.3	36	120.1	125																							
93.0	72	129.5	150																									
139.0	108	175.5	200																									
—	—	126.9	150																									
7.5	11.0	46.3	36	126.9	150																							
93.0	72	138.0	150																									
139.0	108	184.0	200																									
—	—	132.9	150																									
10	14.0	46.3	36	132.9	150																							
93.0	72	145.5	150																									
139.0	108	191.5	200																									
—	—	—	—	—	—	—	—	4	3.3 (ea)	15	21.0	—	—	—	—	—	112.5	125										
															46.3	36	112.5	125										
															93.0	72	119.3	125										
															139.0	108	165.3	175										
												—	—	122.1	125													
												3	4.8	46.3	36	122.1	125											
												93.0	72	131.3	150													
												139.0	108	177.3	200													
												—	—	127.7	150													
												5	7.6	46.3	36	127.7	150											
												93.0	72	138.3	150													
												139.0	108	184.3	200													
—	—	134.5	150																									
7.5	11.0	46.3	36	134.5	150																							
93.0	72	146.8	150																									
139.0	108	192.8	200																									
—	—	140.5	150																									
10	14.0	46.3	36	140.5	150																							
93.0	72	154.3	175																									
139.0	108	200.3	225																									

See page 110 for legend and notes.

Table 16 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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	2	3	4.8	—	—	120.0	125
															46.3	36	120.0	125
															93.0	72	126.8	150
															139.0	108	172.8	175
															—	—	129.6	150
															46.3	36	129.6	150
															93.0	72	138.8	150
															139.0	108	184.8	200
															—	—	135.2	150
															46.3	36	135.2	150
															93.0	72	145.8	150
															139.0	108	191.8	200
		—	—	142.0	150													
		46.3	36	142.0	150													
		93.0	72	154.3	175													
		139.0	108	200.3	225													
		—	—	148.0	150													
		46.3	36	148.0	150													
		93.0	72	161.8	175													
		139.0	108	207.8	225													
		2	7.6	5	11.0	7.5	11.0	108	108	25	34.0	2	3	4.8	—	—	128.7	150
															46.3	36	128.7	150
															93.0	72	135.5	150
															139.0	108	181.5	200
—	—														138.3	150		
46.3	36														138.3	150		
93.0	72														147.5	175		
139.0	108														193.5	225		
—	—														143.9	175		
46.3	36														143.9	175		
93.0	72														154.5	175		
139.0	108														200.5	225		
—	—	150.7	175															
46.3	36	150.7	175															
93.0	72	163.0	175															
139.0	108	209.0	225															
—	—	156.7	175															
46.3	36	156.7	175															
93.0	72	170.5	175															
139.0	108	216.5	225															
2	7.6	5	11.0	7.5	11.0	108	108	30	40.0	2	3	4.8	—	—	136.2	175		
													46.3	36	136.2	175		
													93.0	72	143.0	175		
													139.0	108	189.0	225		
													—	—	145.8	175		
													46.3	36	145.8	175		
													93.0	72	155.0	175		
													139.0	108	201.0	225		
													—	—	151.4	175		
													46.3	36	151.4	175		
													93.0	72	162.0	175		
													139.0	108	208.0	225		
—	—	158.2	175															
46.3	36	158.2	175															
93.0	72	170.5	200															
139.0	108	216.5	250															
—	—	164.2	200															
46.3	36	164.2	200															
93.0	72	178.0	200															
139.0	108	224.0	250															

See page 110 for legend and notes.

Table 16 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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	2	3	3.9	—	—	78.1	90
															36.0	36	78.1	90
															72.0	72	83.3	90
															108.0	108	119.3	125
															—	—	85.9	100
															36.0	36	85.9	100
															72.0	72	93.0	100
															108.0	108	129.0	150
															—	—	90.3	100
															36.0	36	90.3	100
															72.0	72	98.5	110
															108.0	108	134.5	150
		—	—	96.1	110													
		36.0	36	96.1	110													
		72.0	72	105.8	110													
		108.0	108	141.8	150													
		—	—	100.1	110													
		36.0	36	100.1	110													
		72.0	72	110.8	125													
		108.0	108	146.8	150													
		—	—	80.1	90													
		36.0	36	80.1	90													
		72.0	72	85.8	100													
		108.0	108	121.8	125													
—	—	87.9	100															
36.0	36	87.9	100															
72.0	72	95.5	100															
108.0	108	131.5	150															
—	—	92.3	100															
36.0	36	92.3	100															
72.0	72	101.0	110															
108.0	108	137.0	150															
—	—	98.1	110															
36.0	36	98.1	110															
72.0	72	108.3	110															
108.0	108	144.3	150															
—	—	102.1	110															
36.0	36	102.1	110															
72.0	72	113.3	125															
108.0	108	149.3	150															
—	—	86.7	100															
36.0	36	86.7	100															
72.0	72	93.3	110															
108.0	108	129.3	150															
—	—	94.5	110															
36.0	36	94.5	110															
72.0	72	103.0	110															
108.0	108	139.0	150															
—	—	98.9	110															
36.0	36	98.9	110															
72.0	72	108.5	110															
108.0	108	144.5	150															
—	—	104.7	110															
36.0	36	104.7	110															
72.0	72	115.8	125															
108.0	108	151.8	175															
—	—	108.7	125															
36.0	36	108.7	125															
72.0	72	120.8	125															
108.0	108	156.8	175															

See page 110 for legend and notes.

Table 16 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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	2	3	3.9	—	—	92.9	110
															36.0	36	92.9	110
															72.0	72	99.5	110
															108.0	108	135.5	150
															—	—	100.7	110
															36.0	36	100.7	110
															72.0	72	109.3	125
															108.0	108	145.3	150
															—	—	105.1	125
															36.0	36	105.1	125
															72.0	72	114.8	125
															108.0	108	150.8	175
—	—	110.9	125															
36.0	36	110.9	125															
72.0	72	122.0	125															
108.0	108	158.0	175															
—	—	114.9	125															
36.0	36	114.9	125															
72.0	72	127.0	150															
108.0	108	163.0	175															
—	—	99.2	125															
36.0	36	99.2	125															
72.0	72	105.8	125															
108.0	108	141.8	150															
—	—	107.0	125															
36.0	36	107.0	125															
72.0	72	115.5	125															
108.0	108	151.5	175															
—	—	111.4	125															
36.0	36	111.4	125															
72.0	72	121.0	125															
108.0	108	157.0	175															
—	—	117.2	125															
36.0	36	117.2	125															
72.0	72	128.3	150															
108.0	108	164.3	175															
—	—	121.2	125															
36.0	36	121.2	125															
72.0	72	133.3	150															
108.0	108	169.3	175															
—	—	105.4	125															
36.0	36	105.4	125															
72.0	72	112.0	125															
108.0	108	148.0	175															
—	—	113.2	125															
36.0	36	113.2	125															
72.0	72	121.8	150															
108.0	108	157.8	175															
—	—	117.6	125															
36.0	36	117.6	125															
72.0	72	127.3	150															
108.0	108	163.3	175															
—	—	123.4	150															
36.0	36	123.4	150															
72.0	72	134.5	150															
108.0	108	170.5	175															
—	—	127.4	150															
36.0	36	127.4	150															
72.0	72	139.5	150															
108.0	108	175.5	200															

See page 110 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5055 Units

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

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

See page 110 for legend and notes.

Table 17 — Electrical Data — 50P2,P3,P4,P5055 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					
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	—	—	— / —	—	—	328.8/ 318.8	400/ 350				
															78.9/ 90.0	36/ 36	328.8/ 318.8	400/ 350				
															157.7/ 182.0	72/ 72	328.8/ 318.8	400/ 350				
															236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450				
															—	—	362.2/ 349.2	450/ 400				
															78.9/ 90.0	36/ 36	362.2/ 349.2	450/ 400				
		157.7/ 182.0	72/ 72	362.2/ 349.2	450/ 400																	
		236.6/ 273.0	108/ 108	388.4/ 411.0	450/ 450																	
		—	—	377.2/ 362.8	450/ 400																	
		78.9/ 90.0	36/ 36	377.2/ 362.8	450/ 400																	
		157.7/ 182.0	72/ 72	377.2/ 362.8	450/ 400																	
		236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450																	
10	30.8 / 28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390.4/ 374.8	450/ 450				
																			78.9/ 90.0	36/ 36	390.4/ 374.8	450/ 450
																			157.7/ 182.0	72/ 72	390.4/ 374.8	450/ 450
																			236.6/ 273.0	108/ 108	423.6/ 443.0	450/ 500
																			—	—	361.3/ 348.8	450/ 450
																			78.9/ 90.0	36/ 36	361.3/ 348.8	450/ 450
157.7/ 182.0	72/ 72	361.3/ 348.8	450/ 450																			
236.6/ 273.0	108/ 108	379.1/ 403.0	450/ 500																			
5	16.7 / 15.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	394.7/ 379.2	500/ 450				
																			78.9/ 90.0	36/ 36	394.7/ 379.2	500/ 450
																			157.7/ 182.0	72/ 72	394.7/ 379.2	500/ 450
																			236.6/ 273.0	108/ 108	420.9/ 441.0	500/ 500
																			—	—	409.7/ 392.8	500/ 450
																			78.9/ 90.0	36/ 36	409.7/ 392.8	500/ 450
157.7/ 182.0	72/ 72	409.7/ 392.8	500/ 450																			
236.6/ 273.0	108/ 108	439.6/ 458.0	500/ 500																			
2	7.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	422.9/ 404.8	500/ 500				
																			78.9/ 90.0	36/ 36	422.9/ 404.8	500/ 500
																			157.7/ 182.0	72/ 72	422.9/ 404.8	500/ 500
236.6/ 273.0	108/ 108	456.1/ 473.0	500/ 500																			

See page 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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
												—	—	—	—	—	159.2	175
												—	—	—	38.3	36	159.2	175
		—	—	—	76.8	72	159.2	175										
		—	—	—	114.7	108	168.1	175										
		—	—	—	—	—	166.0	175										
		—	—	—	38.3	36	166.0	175										
		—	—	—	76.8	72	166.0	175										
		—	—	—	114.7	108	176.6	200										
—	—	—	—	—	174.4	175												
—	—	—	38.3	36	174.4	175												
—	—	—	76.8	72	174.4	175												
—	—	—	114.7	108	187.1	200												
—	—	—	—	—	147.9	175												
—	—	—	38.3	36	147.9	175												
—	—	—	76.8	72	147.9	175												
—	—	—	114.7	108	152.2	175												
—	—	—	—	—	166.1	175												
—	—	—	38.3	36	166.1	175												
—	—	—	76.8	72	166.1	175												
—	—	—	114.7	108	175.0	200												
—	—	—	—	—	172.9	200												
—	—	—	38.3	36	172.9	200												
—	—	—	76.8	72	172.9	200												
—	—	—	114.7	108	183.5	200												
—	—	—	—	—	181.3	200												
—	—	—	38.3	36	181.3	200												
—	—	—	76.8	72	181.3	200												
—	—	—	114.7	108	194.0	200												
—	—	—	—	—	157.9	175												
—	—	—	38.3	36	157.9	175												
—	—	—	76.8	72	157.9	175												
—	—	—	114.7	108	162.2	200												
—	—	—	—	—	176.1	200												
—	—	—	38.3	36	176.1	200												
—	—	—	76.8	72	176.1	200												
—	—	—	114.7	108	185.0	200												
—	—	—	—	—	182.9	200												
—	—	—	38.3	36	182.9	200												
—	—	—	76.8	72	182.9	200												
—	—	—	114.7	108	193.5	225												
—	—	—	—	—	191.3	225												
—	—	—	38.3	36	191.3	225												
—	—	—	76.8	72	191.3	225												
—	—	—	114.7	108	204.0	225												

See page 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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
															—	—	183.0	225
															38.3	36	183.0	225
		76.8	72	183.0	225													
		114.7	108	191.8	225													
		—	—	189.8	225													
		38.3	36	189.8	225													
		76.8	72	189.8	225													
		114.7	108	200.3	225													
—	—	198.2	225															
38.3	36	198.2	225															
76.8	72	198.2	225															
114.7	108	210.8	225															
—	—	180.7	225															
38.3	36	180.7	225															
76.8	72	180.7	225															
114.7	108	185.0	225															
—	—	198.9	250															
38.3	36	198.9	250															
76.8	72	198.9	250															
114.7	108	207.7	250															
—	—	205.7	250															
38.3	36	205.7	250															
76.8	72	205.7	250															
114.7	108	216.2	250															
—	—	214.1	250															
38.3	36	214.1	250															
76.8	72	214.1	250															
114.7	108	226.7	250															

See page 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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
												—	—	—	—	—	129.1	150
												—	—	—	46.3	36	129.1	150
		—	—	—	93.0	72	138.3	150										
		—	—	—	139.0	108	184.3	200										
		—	—	—	—	—	135.9	150										
		—	—	—	46.3	36	135.9	150										
		—	—	—	93.0	72	146.8	150										
		—	—	—	139.0	108	192.8	200										
—	—	—	—	—	141.9	150												
—	—	—	46.3	36	141.9	150												
—	—	—	93.0	72	154.3	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	121.4	125												
—	—	—	46.3	36	121.4	125												
—	—	—	93.0	72	126.8	150												
—	—	—	139.0	108	172.8	175												
—	—	—	—	—	136.6	150												
—	—	—	46.3	36	136.6	150												
—	—	—	93.0	72	145.8	150												
—	—	—	139.0	108	191.8	200												
—	—	—	—	—	143.4	150												
—	—	—	46.3	36	143.4	150												
—	—	—	93.0	72	154.3	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	149.4	175												
—	—	—	46.3	36	149.4	175												
—	—	—	93.0	72	161.8	175												
—	—	—	139.0	108	207.8	225												
—	—	—	—	—	130.1	150												
—	—	—	46.3	36	130.1	150												
—	—	—	93.0	72	135.5	150												
—	—	—	139.0	108	181.5	200												
—	—	—	—	—	145.3	175												
—	—	—	46.3	36	145.3	175												
—	—	—	93.0	72	154.5	175												
—	—	—	139.0	108	200.5	225												
—	—	—	—	—	152.1	175												
—	—	—	46.3	36	152.1	175												
—	—	—	93.0	72	163.0	175												
—	—	—	139.0	108	209.0	225												
—	—	—	—	—	158.1	175												
—	—	—	46.3	36	158.1	175												
—	—	—	93.0	72	170.5	175												
—	—	—	139.0	108	216.5	225												

See page 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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
															—	—	152.8	175
															46.3	36	152.8	175
		93.0	72	162.0	175													
		139.0	108	208.0	225													
		2	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										
—	—				165.6	200												
46.3	36				165.6	200												
93.0	72	178.0	200															
139.0	108	224.0	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													
		—	—	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												
			—	—	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 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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
												—	—	—	—	—	102.7	110
												5	6.1	36.0	36	102.7	110	
		72.0	72	108.5	110													
		108.0	108	144.5	150													
		2	7.5	9.0	36.0	36	108.5	125										
		72.0	72	115.8	125													
		108.0	108	151.8	175													
		10	11.0	36.0	36	112.5	125											
72.0	72	120.8	125															
108.0	108	156.8	175															
518	632	2	14.7	100	2	14.7	100	4	2.6 (ea)	20	22.0	—	—	—	—	—	96.7	110
												—	—	—	36.0	36	96.7	110
												—	—	—	72.0	72	99.5	110
												—	—	—	108.0	108	135.5	150
												—	—	—	—	—	108.9	125
												5	6.1	36.0	36	108.9	125	
		72.0	72	114.8	125													
		108.0	108	150.8	175													
		2	7.5	9.0	36.0	36	114.7	125										
		72.0	72	114.7	125													
		108.0	108	158.0	175													
		10	11.0	36.0	36	118.7	125											
72.0	72	118.7	125															
108.0	108	163.0	175															
518	632	2	14.7	100	2	14.7	100	4	2.6 (ea)	25	27.0	—	—	—	—	—	103.0	125
												—	—	—	36.0	36	103.0	125
												—	—	—	72.0	72	105.8	125
												—	—	—	108.0	108	141.8	150
												—	—	—	—	—	115.2	125
												5	6.1	36.0	36	115.2	125	
		72.0	72	121.0	125													
		108.0	108	157.0	175													
		2	7.5	9.0	36.0	36	121.0	125										
		72.0	72	121.0	125													
		108.0	108	164.3	175													
		10	11.0	36.0	36	125.0	150											
72.0	72	125.0	150															
108.0	108	169.3	175															

See page 110 for legend and notes.

Table 17 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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													
		2	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															
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	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			
												2	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 110 for legend and notes.

Table 18 — Electrical Data — 50P2,P3,P4,P5060 Units

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

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

See page 110 for legend and notes.

Table 18 — Electrical Data — 50P2,P3,P4,P5060 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	
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	—	—	— / —	—	—	341.6/ 331.6	400/ 400
															78.9/ 90.0	36/ 36	341.6/ 331.6	400/ 400
															157.7/ 182.0	72/ 72	341.6/ 331.6	400/ 400
															236.6/ 273.0	108/ 108	346.6/ 373.0	400/ 450
															—	—	375.0/ 362.0	450/ 400
															78.9/ 90.0	36/ 36	375.0/ 362.0	450/ 400
		157.7/ 182.0	72/ 72	375.0/ 362.0	450/ 400													
		236.6/ 273.0	108/ 108	388.4/ 411.0	450/ 450													
		—	—	390.0/ 375.6	450/ 450													
		78.9/ 90.0	36/ 36	390.0/ 375.6	450/ 450													
		157.7/ 182.0	72/ 72	390.0/ 375.6	450/ 450													
		236.6/ 273.0	108/ 108	407.1/ 428.0	450/ 450													
—	—	403.2/ 387.6	450/ 450															
78.9/ 90.0	36/ 36	403.2/ 387.6	450/ 450															
157.7/ 182.0	72/ 72	403.2/ 387.6	450/ 450															
236.6/ 273.0	108/ 108	423.6/ 443.0	450/ 500															
—	—	374.1/ 361.6	450/ 450															
78.9/ 90.0	36/ 36	374.1/ 361.6	450/ 450															
157.7/ 182.0	72/ 72	374.1/ 361.6	450/ 450															
236.6/ 273.0	108/ 108	379.1/ 403.0	450/ 500															
—	—	407.5/ 392.0	500/ 450															
78.9/ 90.0	36/ 36	407.5/ 392.0	500/ 450															
157.7/ 182.0	72/ 72	407.5/ 392.0	500/ 450															
236.6/ 273.0	108/ 108	420.9/ 441.0	500/ 500															
—	—	422.5/ 405.6	500/ 500															
78.9/ 90.0	36/ 36	422.5/ 405.6	500/ 500															
157.7/ 182.0	72/ 72	422.5/ 405.6	500/ 500															
236.6/ 273.0	108/ 108	439.6/ 458.0	500/ 500															
—	—	435.7/ 417.6	500/ 500															
78.9/ 90.0	36/ 36	435.7/ 417.6	500/ 500															
157.7/ 182.0	72/ 72	435.7/ 417.6	500/ 500															
236.6/ 273.0	108/ 108	456.1/ 473.0	500/ 500															

See page 110 for legend and notes.

Table 18 — 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	2	5	9.1	—	—	154.4	175
															38.3	36	154.4	175
															76.8	72	154.4	175
															114.7	108	154.4	175
															—	—	172.6	175
															38.3	36	172.6	175
		76.8	72	172.6	175													
		114.7	108	172.6	175													
		—	—	179.4	200													
		38.3	36	179.4	200													
		76.8	72	179.4	200													
		114.7	108	179.4	200													
—	—	187.8	200															
38.3	36	187.8	200															
76.8	72	187.8	200															
114.7	108	187.8	200															
342	418	2	26.9	139	2	26.9	139	4	3.9 (ea)	20	30.0	2	7.5	12.5	—	—	160.7	175
															38.3	36	160.7	175
															76.8	72	160.7	175
															114.7	108	160.7	175
															—	—	178.9	200
															38.3	36	178.9	200
		76.8	72	178.9	200													
		114.7	108	178.9	200													
		—	—	185.7	200													
		38.3	36	185.7	200													
		76.8	72	185.7	200													
		114.7	108	185.7	200													
—	—	194.1	200															
38.3	36	194.1	200															
76.8	72	194.1	200															
114.7	108	194.1	200															
342	418	2	26.9	139	2	26.9	139	4	3.9 (ea)	25	38.0	2	5	9.1	—	—	170.7	200
															38.3	36	170.7	200
															76.8	72	170.7	200
															114.7	108	170.7	200
															—	—	188.9	225
															38.3	36	188.9	225
		76.8	72	188.9	225													
		114.7	108	188.9	225													
		—	—	195.7	225													
		38.3	36	195.7	225													
		76.8	72	195.7	225													
		114.7	108	195.7	225													
—	—	204.1	225															
38.3	36	204.1	225															
76.8	72	204.1	225															
114.7	108	204.1	225															

See page 110 for legend and notes.

Table 18 — 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
															—	—	195.8	225
															38.3	36	195.8	225
		76.8	72	195.8	225													
		114.7	108	195.8	225													
		2	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															
—	—	—	—	—	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															
2	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 110 for legend and notes.

Table 18 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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
												—	—	—	—	—	147.6	150
												—	—	—	46.3	36	147.6	150
		—	—	—	93.0	72	147.6	150										
		—	—	—	139.0	108	184.3	200										
		—	—	—	—	—	154.4	175										
		—	—	—	46.3	36	154.4	175										
		—	—	—	93.0	72	154.4	175										
		—	—	—	139.0	108	192.8	200										
—	—	—	—	—	160.4	175												
—	—	—	46.3	36	160.4	175												
—	—	—	93.0	72	160.4	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	139.4	150												
—	—	—	46.3	36	139.4	150												
—	—	—	93.0	72	139.4	150												
—	—	—	139.0	108	172.8	175												
—	—	—	—	—	154.6	175												
—	—	—	46.3	36	154.6	175												
—	—	—	93.0	72	154.6	175												
—	—	—	139.0	108	191.8	200												
—	—	—	—	—	161.4	175												
—	—	—	46.3	36	161.4	175												
—	—	—	93.0	72	161.4	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	167.4	175												
—	—	—	46.3	36	167.4	175												
—	—	—	93.0	72	167.4	175												
—	—	—	139.0	108	207.8	225												
—	—	—	—	—	148.1	175												
—	—	—	46.3	36	148.1	175												
—	—	—	93.0	72	148.1	175												
—	—	—	139.0	108	181.5	200												
—	—	—	—	—	163.3	175												
—	—	—	46.3	36	163.3	175												
—	—	—	93.0	72	163.3	175												
—	—	—	139.0	108	200.5	225												
—	—	—	—	—	170.1	200												
—	—	—	46.3	36	170.1	200												
—	—	—	93.0	72	170.1	200												
—	—	—	139.0	108	209.0	225												
—	—	—	—	—	176.1	200												
—	—	—	46.3	36	176.1	200												
—	—	—	93.0	72	176.1	200												
—	—	—	139.0	108	216.5	225												

See page 110 for legend and notes.

Table 18 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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		
												—	—	—	—	—	170.8	200		
												—	—	—	46.3	36	170.8	200		
		2	7.5	11.0	139.0	108	208.0	225	200	200	200	200	200	5	7.6	—	—	177.6	200	
														—	—	—	46.3	36	177.6	200
														—	—	—	93.0	72	177.6	200
														—	—	—	139.0	108	216.5	250
														—	—	—	—	—	183.6	200
														—	—	—	46.3	36	183.6	200
2	10	14.0	139.0	108	224.0	250	200	200	200	200	200	10	14.0	—	—	183.6	200			
												—	—	—	46.3	36	183.6	200		
												—	—	—	93.0	72	183.6	200		
												—	—	—	139.0	108	224.0	250		
												—	—	—	—	—	170.6	200		
												—	—	—	46.3	36	170.6	200		
2	5	7.6	139.0	108	223.0	250	200	200	200	200	200	—	—	—	—	170.6	200			
												—	—	—	46.3	36	170.6	200		
												—	—	—	93.0	72	170.6	200		
												—	—	—	139.0	108	204.0	250		
												—	—	—	—	—	185.8	225		
												—	—	—	46.3	36	185.8	225		
2	7.5	11.0	139.0	108	231.5	250	200	200	200	200	200	5	7.6	—	—	185.8	225			
												—	—	—	46.3	36	185.8	225		
												—	—	—	93.0	72	185.8	225		
												—	—	—	139.0	108	223.0	250		
												—	—	—	—	—	192.6	225		
												—	—	—	46.3	36	192.6	225		
2	10	14.0	139.0	108	239.0	250	200	200	200	200	200	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		
												—	—	—	—	—	198.6	250		
												—	—	—	46.3	36	198.6	250		
2	10	14.0	139.0	108	239.0	250	200	200	200	200	200	10	14.0	—	—	198.6	250			
												—	—	—	46.3	36	198.6	250		
												—	—	—	93.0	72	198.6	250		
												—	—	—	139.0	108	239.0	250		
												—	—	—	—	—	198.6	250		
												—	—	—	46.3	36	198.6	250		

See page 110 for legend and notes.

Table 18 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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
												—	—	—	—	—	124.2	125
												—	—	—	36.0	36	124.2	125
		—	—	—	72.0	72	124.2	125										
		—	—	—	108.0	108	144.5	150										
		—	—	—	—	—	130.0	150										
		—	—	—	36.0	36	130.0	150										
		—	—	—	72.0	72	130.0	150										
		—	—	—	108.0	108	151.8	175										
—	—	—	—	—	134.0	150												
—	—	—	36.0	36	134.0	150												
—	—	—	72.0	72	134.0	150												
—	—	—	108.0	108	156.8	175												
—	—	—	—	—	117.5	125												
—	—	—	—	—	36.0	36	117.5	125										
—	—	—	—	—	72.0	72	117.5	125										
—	—	—	—	—	108.0	108	135.5	150										
—	—	—	—	—	—	—	129.7	150										
—	—	—	—	—	36.0	36	129.7	150										
—	—	—	—	—	72.0	72	129.7	150										
—	—	—	—	—	108.0	108	150.8	175										
—	—	—	—	—	—	—	135.5	150										
—	—	—	—	—	36.0	36	135.5	150										
—	—	—	—	—	72.0	72	135.5	150										
—	—	—	—	—	108.0	108	158.0	175										
—	—	—	—	—	—	—	139.5	150										
—	—	—	—	—	36.0	36	139.5	150										
—	—	—	—	—	72.0	72	139.5	150										
—	—	—	—	—	108.0	108	163.0	175										
—	—	—	—	—	—	—	123.8	150										
—	—	—	—	—	36.0	36	123.8	150										
—	—	—	—	—	72.0	72	123.8	150										
—	—	—	—	—	108.0	108	141.8	150										
—	—	—	—	—	—	—	136.0	150										
—	—	—	—	—	36.0	36	136.0	150										
—	—	—	—	—	72.0	72	136.0	150										
—	—	—	—	—	108.0	108	157.0	175										
—	—	—	—	—	—	—	141.8	150										
—	—	—	—	—	36.0	36	141.8	150										
—	—	—	—	—	72.0	72	141.8	150										
—	—	—	—	—	108.0	108	164.3	175										
—	—	—	—	—	—	—	145.8	150										
—	—	—	—	—	36.0	36	145.8	150										
—	—	—	—	—	72.0	72	145.8	150										
—	—	—	—	—	108.0	108	169.3	175										

See page 110 for legend and notes.

Table 18 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*			
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																
		2	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																
2	10	11.0	—	—	152.0	175															
			36.0	36	152.0	175															
			72.0	72	152.0	175															
108.0	108	175.5	200																		
2	19.9	109	2	19.9	109	4	2.6 (ea)	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																		
2	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																		
2	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 110 for legend and notes.

Table 19 — Electrical Data — 50P2,P3,P4,P5070 Units

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

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

See page 110 for legend and notes.

Table 19 — Electrical Data — 50P2,P3,P4,P5070 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	
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
															—	—	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													
		—	—	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													
187	253	2	51.3	300	2	55.8	340	4	6.6 (ea)	30	88/80	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
															—	—	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													
		—	—	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													
187	253	2	51.3	300	2	55.8	340	4	6.6 (ea)	40	114/104	—	—	— / —	—	—	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
															—	—	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													
		—	—	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													

See page 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*		
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					
												2	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					
		2	10	16.7	—	—	203.8	225												
					38.3	36	203.8	225												
					76.8	72	203.8	225												
		114.7	108	203.8	225															
		2	26.9	139	2	34	196	4	3.9 (ea)	20	30.0	25	38.0	—	—	—	—	—	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			
2	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					
2	10	16.7	—	—	209.3	225														
			38.3	36	209.3	225														
			76.8	72	209.3	225														
114.7	108	209.3	225																	
2	26.9	139	2	34	196	4	3.9 (ea)	25	38.0	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					
												2	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																	
2	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 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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	
												2	5	9.1	38.3	36	191.8	225	
															76.8	72	191.8	225	
															114.7	108	191.8	225	
												2	7.5	12.5	—	—	210.0	250	
															38.3	36	210.0	250	
		76.8	72	210.0	250														
		2	10	16.7	114.7	108	210.0	250											
					—	—	216.8	250											
					38.3	36	216.8	250											
		2	26.9	139	2	34	196	4	3.9 (ea)	40	56.2	—	—	—	—	—	—	207.7	250
												2	5	9.1	38.3	36	207.7	250	
76.8	72														207.7	250			
114.7	108														207.7	250			
2	7.5											12.5	—	—	225.9	250			
													38.3	36	225.9	250			
		76.8	72	225.9	250														
2	10	16.7	114.7	108	225.9	250													
			—	—	232.7	250													
			38.3	36	232.7	250													
2	26.9	139	2	34	196	4	3.9 (ea)	40	56.2	76.8	72	232.7	250						
										114.7	108	232.7	250						
										—	—	241.1	250						
38.3	36	241.1	250																
76.8	72	241.1	250																
114.7	108	241.1	250																

See page 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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
												—	—	—	—	—	156.1	175
												—	—	—	46.3	36	156.1	175
		—	—	—	93.0	72	156.1	175										
		—	—	—	139.0	108	184.3	200										
		—	—	—	—	—	162.9	175										
		—	—	—	46.3	36	162.9	175										
		—	—	—	93.0	72	162.9	175										
		—	—	—	139.0	108	192.8	200										
—	—	—	—	—	168.9	175												
—	—	—	46.3	36	168.9	175												
—	—	—	93.0	72	168.9	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	147.0	150												
—	—	—	46.3	36	147.0	150												
—	—	—	93.0	72	147.0	150												
—	—	—	139.0	108	172.8	175												
—	—	—	—	—	162.2	175												
—	—	—	46.3	36	162.2	175												
—	—	—	93.0	72	162.2	175												
—	—	—	139.0	108	191.8	200												
—	—	—	—	—	169.0	175												
—	—	—	46.3	36	169.0	175												
—	—	—	93.0	72	169.0	175												
—	—	—	139.0	108	200.3	225												
—	—	—	—	—	175.0	200												
—	—	—	46.3	36	175.0	200												
—	—	—	93.0	72	175.0	200												
—	—	—	139.0	108	207.8	225												
—	—	—	—	—	155.7	175												
—	—	—	46.3	36	155.7	175												
—	—	—	93.0	72	155.7	175												
—	—	—	139.0	108	181.5	200												
—	—	—	—	—	170.9	200												
—	—	—	46.3	36	170.9	200												
—	—	—	93.0	72	170.9	200												
—	—	—	139.0	108	200.5	225												
—	—	—	—	—	177.7	200												
—	—	—	46.3	36	177.7	200												
—	—	—	93.0	72	177.7	200												
—	—	—	139.0	108	209.0	225												
—	—	—	—	—	183.7	200												
—	—	—	46.3	36	183.7	200												
—	—	—	93.0	72	183.7	200												
—	—	—	139.0	108	216.5	225												

See page 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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													
		2	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															
2	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															
2	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 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*	
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
												2	5	6.1	36.0	36	132.7	150
		2	7.5	9.0	72.0	72	132.7	150										
		2	7.5	9.0	108.0	108	144.5	150										
		2	10	11.0	—	—	138.5	150										
		2	10	11.0	36.0	36	138.5	150										
		2	10	11.0	72.0	72	138.5	150										
		2	10	11.0	108.0	108	151.8	175										
518	632	2	19.9	109	2	23.7	132	4	2.6 (ea)	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
												2	5	6.1	36.0	36	137.7	150
		2	7.5	9.0	72.0	72	137.7	150										
		2	7.5	9.0	108.0	108	150.8	175										
		2	10	11.0	—	—	143.5	150										
		2	10	11.0	36.0	36	143.5	150										
		2	10	11.0	72.0	72	143.5	150										
		2	10	11.0	108.0	108	158.0	175										
518	632	2	19.9	109	2	23.7	132	4	2.6 (ea)	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
												2	5	6.1	36.0	36	143.6	150
		2	7.5	9.0	72.0	72	143.6	150										
		2	7.5	9.0	108.0	108	157.0	175										
		2	10	11.0	—	—	149.4	175										
		2	10	11.0	36.0	36	149.4	175										
		2	10	11.0	72.0	72	149.4	175										
		2	10	11.0	108.0	108	164.3	175										
518	632	2	19.9	109	2	23.7	132	4	2.6 (ea)	25	27.0	—	—	—	—	—	153.4	175
												—	—	—	36.0	36	153.4	175
												—	—	—	72.0	72	153.4	175
												—	—	—	108.0	108	169.3	175
												2	10	11.0	—	—	153.4	175
												2	10	11.0	36.0	36	153.4	175
		2	10	11.0	72.0	72	153.4	175										
		2	10	11.0	108.0	108	169.3	175										

See page 110 for legend and notes.

Table 19 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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													
		2	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													
2	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													
		2	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															
2	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 110 for legend and notes.

Table 20 — 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	—	—	—	—	—	170.8	200			
															130.0	108	180.0	200			
															260.0	216	310.0	350			
															2	5	7.6	—	—	186.0	225
																		130.0	108	199.0	225
																		260.0	216	329.0	350
												2	7.5	11.0	—	—	192.8	225			
															130.0	108	207.5	225			
															260.0	216	337.5	350			
												2	10	14.0	—	—	198.8	225			
															130.0	108	215.0	225			
															260.0	216	345.0	350			
										40	52.0	—	—	—	—	—	185.8	225			
															130.0	108	195.0	225			
															260.0	216	325.0	350			
															2	5	7.6	—	—	201.0	250
																		130.0	108	214.0	250
																		260.0	216	344.0	350
												2	7.5	11.0	—	—	207.8	250			
															130.0	108	222.5	250			
															260.0	216	352.5	400			
												2	10	14.0	—	—	213.8	250			
															130.0	108	230.0	250			
															260.0	216	360.0	400			
50	65.0	—	—	—	—	—	202.1	250													
					130.0	108	211.3	250													
					260.0	216	341.3	400													
					2	5	7.6	—	—	217.3	250										
								130.0	108	230.3	250										
								260.0	216	360.3	400										
		2	7.5	11.0	—	—	224.1	250													
					130.0	108	238.8	250													
					260.0	216	368.8	400													
		2	10	14.0	—	—	230.1	250													
					130.0	108	246.3	300													
					260.0	216	376.3	400													
60	77.0	—	—	—	—	—	217.1	250													
					130.0	108	226.3	300													
					260.0	216	356.3	400													
					2	5	7.6	—	—	232.3	300										
								130.0	108	245.3	300										
								260.0	216	375.3	400										
		2	7.5	11.0	—	—	239.1	300													
					130.0	108	253.8	300													
					260.0	216	383.8	450													
		2	10	14.0	—	—	245.1	300													
					130.0	108	261.3	300													
					260.0	216	391.3	450													
75	96.0	—	—	—	—	—	240.8	300													
					130.0	108	250.0	300													
					260.0	216	380.0	450													
					2	5	7.6	—	—	256.0	350										
								130.0	108	269.0	350										
								260.0	216	399.0	450										
		2	7.5	11.0	—	—	262.8	350													
					130.0	108	277.5	350													
					260.0	216	407.5	450													
		2	10	14.0	—	—	268.8	350													
					130.0	108	285.0	350													
					260.0	216	415.0	500													

See page 110 for legend and notes.

**Table 20 — 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		
												—	—	—	—	—	—	156.5	175	
												40	41.0	2	5	6.1	—	—	168.7	200
										7.5	9.0				—	—	174.5	200		
										10	11.0				—	—	178.5	200		
										—	—			—	—	—	—	170.2	200	
										50	52.0			2	5	6.1	—	—	182.4	225
															7.5	9.0	—	—	188.2	225
												10	11.0		—	—	192.2	225		
												—	—	—	—	—	—	182.7	225	
												60	62.0	2	5	6.1	—	—	194.9	250
															7.5	9.0	—	—	200.7	250
										10	11.0				—	—	204.7	250		
										—	—			—	—	—	—	201.5	250	
										75	77.0			2	5	6.1	—	—	213.7	250
7.5	9.0	—	—	219.5	250															
10	11.0	—	—	223.5	300															

See page 110 for legend and notes.

**Table 21 — 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	10	14.0	— 130.0 260.0	— 108 216	198.8 215.0 345.0	225 225 350
													15	21.0	— 130.0 260.0	— 108 216	212.8 232.5 362.5	250 250 400
													20	27.0	— 130.0 260.0	— 108 216	224.8 247.5 377.5	250 250 400
													25	34.0	— 130.0 260.0	— 108 216	238.8 265.0 395.0	250 300 400
													30	40.0	— 130.0 260.0	— 108 216	250.8 280.0 410.0	300 300 450
													10	14.0	— 130.0 260.0	— 108 216	213.8 230.0 360.0	250 250 400
		15	21.0	— 130.0 260.0	— 108 216	227.8 247.5 377.5	250 250 400											
		20	27.0	— 130.0 260.0	— 108 216	239.8 262.5 392.5	250 300 400											
		25	34.0	— 130.0 260.0	— 108 216	253.8 280.0 410.0	300 300 450											
		30	40.0	— 130.0 260.0	— 108 216	265.8 295.0 425.0	300 300 450											
		10	14.0	— 130.0 260.0	— 108 216	230.1 246.3 376.3	250 300 400											
		15	21.0	— 130.0 260.0	— 108 216	244.1 263.8 393.8	300 300 400											
		20	27.0	— 130.0 260.0	— 108 216	256.1 278.8 408.8	300 300 450											
		25	34.0	— 130.0 260.0	— 108 216	270.1 296.3 426.3	300 300 450											
		30	40.0	— 130.0 260.0	— 108 216	282.1 311.3 441.3	300 350 450											

See page 110 for legend and notes.

**Table 21 — 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													
				268.8	350													
				285.0	350													
				415.0	500													
				—	—													
				282.8	350													
				302.5	350													
				432.5	500													
				—	—													
				294.8	350													
				317.5	400													
				447.5	500													
				—	—													
				308.8	400													
				335.0	400													
				465.0	500													
				—	—													
				320.8	400													
				350.0	400													
				480.0	500													

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
																	178.5	200
										40	41.0	2	10	11.0	—	—	190.5	225
													15	17.0	—	—	200.5	225
													20	22.0	—	—	210.5	250
													25	27.0	—	—	220.5	250
													30	32.0	—	—	—	—
																	192.2	225
										50	52.0	2	10	11.0	—	—	204.2	250
													15	17.0	—	—	214.2	250
													20	22.0	—	—	224.2	250
													25	27.0	—	—	234.2	250
													30	32.0	—	—	—	—
																	204.7	250
										60	62.0	2	10	11.0	—	—	216.7	250
													15	17.0	—	—	226.7	250
													20	22.0	—	—	236.7	250
													25	27.0	—	—	246.7	300
													30	32.0	—	—	—	—
																	223.5	300
75	77.0	2	10	11.0	—	—	235.5	300										
			15	17.0	—	—	245.5	300										
			20	22.0	—	—	255.5	300										
			25	27.0	—	—	265.5	300										
			30	32.0	—	—	—	—										
							—	—										

See page 110 for legend and notes.

Table 22 — 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	— 130.0 260.0	— 108 216	197.8 213.8 343.8	225 225 350
													25	34.0	— 130.0 260.0	— 108 216	204.8 222.5 352.5	225 250 400
													30	40.0	— 130.0 260.0	— 108 216	210.8 230.0 360.0	250 250 400
													40	52.0	— 130.0 260.0	— 108 216	225.8 245.0 375.0	250 250 400
												1	20	27.0	— 130.0 260.0	— 108 216	212.8 228.8 358.8	250 250 400
													25	34.0	— 130.0 260.0	— 108 216	219.8 237.5 367.5	250 250 400
													30	40.0	— 130.0 260.0	— 108 216	225.8 245.0 375.0	250 250 400
													40	52.0	— 130.0 260.0	— 108 216	237.8 260.0 390.0	250 300 400
												1	20	27.0	— 130.0 260.0	— 108 216	229.1 245.0 375.0	250 300 400
													25	34.0	— 130.0 260.0	— 108 216	236.1 253.8 383.8	300 300 400
													30	40.0	— 130.0 260.0	— 108 216	242.1 261.3 391.3	300 300 400
													40	52.0	— 130.0 260.0	— 108 216	254.1 276.3 406.3	300 300 450
										1	20	27.0	— 130.0 260.0	— 108 216	244.1 260.0 390.0	300 300 450		
											25	34.0	— 130.0 260.0	— 108 216	251.1 268.8 398.8	300 300 450		
											30	40.0	— 130.0 260.0	— 108 216	257.1 276.3 406.3	300 300 450		
											40	52.0	— 130.0 260.0	— 108 216	269.1 291.3 421.3	300 350 450		
										1	20	27.0	— 130.0 260.0	— 108 216	267.8 283.8 413.8	350 350 500		
											25	34.0	— 130.0 260.0	— 108 216	274.8 292.5 422.5	350 350 500		
											30	40.0	— 130.0 260.0	— 108 216	280.8 300.0 430.0	350 350 500		
											40	52.0	— 130.0 260.0	— 108 216	292.8 315.0 445.0	350 350 500		

See page 110 for legend and notes.

Table 22 — 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 110 for legend and notes.

Table 23 — 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	—	—	—	—	—	208.4	225			
															130.0	108	208.4	225			
															260.0	216	310.0	350			
															2	5	7.6	—	—	223.6	250
																		130.0	108	223.6	250
																		260.0	216	329.0	350
												2	7.5	11.0	—	—	230.4	250			
															130.0	108	230.4	250			
															260.0	216	337.5	350			
												2	10	14.0	—	—	236.4	250			
															130.0	108	236.4	250			
															260.0	216	345.0	350			
										40	52.0	—	—	—	—	—	223.4	250			
															130.0	108	223.4	250			
															260.0	216	325.0	350			
															2	5	7.6	—	—	238.6	250
																		130.0	108	238.6	250
																		260.0	216	344.0	350
												2	7.5	11.0	—	—	245.4	250			
															130.0	108	245.4	250			
															260.0	216	352.5	400			
												2	10	14.0	—	—	251.4	300			
															130.0	108	251.4	300			
															260.0	216	360.0	400			
50	65.0	—	—	—	—	—	239.7	300													
					130.0	108	239.7	300													
					260.0	216	341.3	400													
					2	5	7.6	—	—	254.9	300										
								130.0	108	254.9	300										
								260.0	216	360.3	400										
		2	7.5	11.0	—	—	261.7	300													
					130.0	108	261.7	300													
					260.0	216	368.8	400													
		2	10	14.0	—	—	267.7	300													
					130.0	108	267.7	300													
					260.0	216	376.3	400													
60	77.0	—	—	—	—	—	254.7	300													
					130.0	108	254.7	300													
					260.0	216	356.3	400													
					2	5	7.6	—	—	269.9	300										
								130.0	108	269.9	300										
								260.0	216	375.3	400										
		2	7.5	11.0	—	—	276.7	350													
					130.0	108	276.7	350													
					260.0	216	383.8	450													
		2	10	14.0	—	—	282.7	350													
					130.0	108	282.7	350													
					260.0	216	391.3	450													
75	96.0	—	—	—	—	—	278.4	350													
					130.0	108	278.4	350													
					260.0	216	380.0	450													
					2	5	7.6	—	—	293.6	350										
								130.0	108	293.6	350										
								260.0	216	399.0	450										
		2	7.5	11.0	—	—	300.4	350													
					130.0	108	300.4	350													
					260.0	216	407.5	450													
		2	10	14.0	—	—	306.4	400													
					130.0	108	306.4	400													
					260.0	216	415.0	500													

See page 110 for legend and notes.

**Table 23 — 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	
												—	—	—	—	—	—	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	
												—	—	—	—	—	—	212.5	250
												2	5	6.1	—	—	224.7	250	
										7.5	9.0		—	—	230.5	250			
										10	11.0		—	—	234.5	250			
										60	62.0	—	—	—	—	—	231.3	300	
												2	5	6.1	—	—	243.5	300	
7.5	9.0	—	—	249.3	300														
10	11.0	—	—	253.3	300														
2	5	6.1	—	—	243.5	300													
	7.5	9.0	—	—	249.3	300													
	10	11.0	—	—	253.3	300													

See page 110 for legend and notes.

**Table 24 — 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	10	14.0	— 130.0 260.0	— 108 216	236.4 236.4 345.0	250 250 350
													15	21.0	— 130.0 260.0	— 108 216	250.4 250.4 362.5	300 300 400
													20	27.0	— 130.0 260.0	— 108 216	262.4 262.4 377.5	300 300 400
													25	34.0	— 130.0 260.0	— 108 216	276.4 276.4 395.0	300 300 400
													30	40.0	— 130.0 260.0	— 108 216	288.4 288.4 410.0	300 300 450
													10	14.0	— 130.0 260.0	— 108 216	251.4 251.4 360.0	300 300 400
													15	21.0	— 130.0 260.0	— 108 216	265.4 265.4 377.5	300 300 400
													20	27.0	— 130.0 260.0	— 108 216	277.4 277.4 392.5	300 300 400
													25	34.0	— 130.0 260.0	— 108 216	291.4 291.4 410.0	300 300 450
										30	40.0	— 130.0 260.0	— 108 216	303.4 303.4 425.0	350 350 450			
										10	14.0	— 130.0 260.0	— 108 216	267.7 267.7 376.3	300 300 400			
										15	21.0	— 130.0 260.0	— 108 216	281.7 281.7 393.8	300 300 400			
										20	27.0	— 130.0 260.0	— 108 216	293.7 293.7 408.8	350 350 450			
										25	34.0	— 130.0 260.0	— 108 216	307.7 307.7 426.3	350 350 450			
										30	40.0	— 130.0 260.0	— 108 216	319.7 319.7 441.3	350 350 450			

See page 110 for legend and notes.

**Table 24 — 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	10	14.0	—	—	282.7	350
															130.0	108	282.7	350
															260.0	216	391.3	450
													15	21.0	—	—	296.7	350
															130.0	108	296.7	350
															260.0	216	408.8	450
		20	27.0	—	—	308.7	350											
				130.0	108	308.7	350											
				260.0	216	423.8	450											
		25	34.0	—	—	322.7	350											
				130.0	108	322.7	350											
				260.0	216	441.3	500											
30	40.0	—	—	334.7	400													
		130.0	108	334.7	400													
		260.0	216	456.3	500													
										75	96.0	2	10	14.0	—	—	306.4	400
															130.0	108	306.4	400
															260.0	216	415.0	500
													15	21.0	—	—	320.4	400
															130.0	108	320.4	400
															260.0	216	432.5	500
		20	27.0	—	—	332.4	400											
				130.0	108	332.4	400											
				260.0	216	447.5	500											
		25	34.0	—	—	346.4	400											
				130.0	108	346.4	400											
				260.0	216	465.0	500											
30	40.0	—	—	358.4	450													
		130.0	108	358.4	450													
		260.0	216	480.0	500													

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 110 for legend and notes.

Table 25 — 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			Qty	FLA	Hp	FLA	Qty	Hp (ea)	FLA (ea)	FLA	kW	MCA	FUSE OR HACR BRKR*
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	—	—	235.4	250
													20	27.0	130.0	108	235.4	250
													20	27.0	260.0	216	343.8	350
													25	34.0	—	—	242.4	250
												25	34.0	130.0	108	242.4	250	
												25	34.0	260.0	216	352.5	400	
												30	40.0	—	—	248.4	250	
												30	40.0	130.0	108	248.4	250	
												30	40.0	260.0	216	360.0	400	
												40	52.0	—	—	263.4	300	
												40	52.0	130.0	108	263.4	300	
												40	52.0	260.0	216	375.0	400	
										40	52.0	1	20	27.0	—	—	250.4	300
													20	27.0	130.0	108	250.4	300
													20	27.0	260.0	216	358.8	400
													25	34.0	—	—	257.4	300
										25	34.0	130.0	108	257.4	300			
										25	34.0	260.0	216	367.5	400			
										30	40.0	—	—	263.4	300			
										30	40.0	130.0	108	263.4	300			
30	40.0	260.0	216	375.0	400													
40	52.0	—	—	275.4	300													
40	52.0	130.0	108	275.4	300													
40	52.0	260.0	216	390.0	400													
50	65.0	1	20	27.0	—	—	266.7	300										
			20	27.0	130.0	108	266.7	300										
			20	27.0	260.0	216	375.0	400										
			25	34.0	—	—	273.7	300										
			25	34.0	130.0	108	273.7	300										
			25	34.0	260.0	216	383.8	400										
			30	40.0	—	—	279.7	300										
			30	40.0	130.0	108	279.7	300										
			30	40.0	260.0	216	391.3	400										
			40	52.0	—	—	291.7	350										
			40	52.0	130.0	108	291.7	350										
			40	52.0	260.0	216	406.3	450										
60	77.0	1	20	27.0	—	—	281.7	350										
			20	27.0	130.0	108	281.7	350										
			20	27.0	260.0	216	390.0	450										
			25	34.0	—	—	288.7	350										
			25	34.0	130.0	108	288.7	350										
			25	34.0	260.0	216	398.8	450										
			30	40.0	—	—	294.7	350										
			30	40.0	130.0	108	294.7	350										
30	40.0	260.0	216	406.3	450													
40	52.0	1	—	—	—	—	306.7	350										
			—	—	—	—	306.7	350										
			—	—	—	—	421.3	450										
			—	—	—	—	421.3	450										
75	96.0	1	20	27.0	—	—	305.4	400										
			20	27.0	130.0	108	305.4	400										
			20	27.0	260.0	216	413.8	500										
			25	34.0	—	—	312.4	400										
			25	34.0	130.0	108	312.4	400										
			25	34.0	260.0	216	422.5	500										
			30	40.0	—	—	318.4	400										
			30	40.0	130.0	108	318.4	400										
30	40.0	260.0	216	430.0	500													
40	52.0	1	—	—	—	—	330.4	400										
			—	—	—	—	330.4	400										
20	27.0	—	—	305.4	400													
20	27.0	130.0	108	305.4	400													
20	27.0	260.0	216	413.8	500													
25	34.0	—	—	312.4	400													
25	34.0	130.0	108	312.4	400													
25	34.0	260.0	216	422.5	500													
30	40.0	—	—	318.4	400													
30	40.0	130.0	108	318.4	400													
30	40.0	260.0	216	430.0	500													
40	52.0	—	—	330.4	400													
40	52.0	130.0	108	330.4	400													
40	52.0	260.0	216	445.0	500													

See page 110 for legend and notes.

Table 25 — 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 110 for legend and notes.

Table 26 — 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	—	—	—	—	—	219.8	250
															130.0	108	219.8	250
															260.0	216	310.0	350
												2	5	7.6	—	—	235.0	250
															130.0	108	235.0	250
															260.0	216	329.0	350
												2	7.5	11.0	—	—	241.8	250
															130.0	108	241.8	250
															260.0	216	337.5	350
												2	10	14.0	—	—	247.8	250
															130.0	108	247.8	250
															260.0	216	345.0	350
										40	52.0	—	—	—	—	—	234.8	250
															130.0	108	234.8	250
															260.0	216	325.0	350
												2	5	7.6	—	—	250.0	300
															130.0	108	250.0	300
															260.0	216	344.0	350
												2	7.5	11.0	—	—	256.8	300
															130.0	108	256.8	300
															260.0	216	352.5	400
												2	10	14.0	—	—	262.8	300
															130.0	108	262.8	300
															260.0	216	360.0	400
50	65.0	—	—	—	—	—	251.1	300										
					130.0	108	251.1	300										
					260.0	216	341.3	400										
		2	5	7.6	—	—	266.3	300										
					130.0	108	266.3	300										
					260.0	216	360.3	400										
		2	7.5	11.0	—	—	273.1	300										
					130.0	108	273.1	300										
					260.0	216	368.8	400										
		2	10	14.0	—	—	279.1	300										
					130.0	108	279.1	300										
					260.0	216	376.3	400										
60	77.0	—	—	—	—	—	266.1	300										
					130.0	108	266.1	300										
					260.0	216	356.3	400										
		2	5	7.6	—	—	281.3	350										
					130.0	108	281.3	350										
					260.0	216	375.3	400										
		2	7.5	11.0	—	—	288.1	350										
					130.0	108	288.1	350										
					260.0	216	383.8	450										
		2	10	14.0	—	—	294.1	350										
					130.0	108	294.1	350										
					260.0	216	391.3	450										
75	96.0	—	—	—	—	—	289.8	350										
					130.0	108	289.8	350										
					260.0	216	380.0	450										
		2	5	7.6	—	—	305.0	400										
					130.0	108	305.0	400										
					260.0	216	399.0	450										
		2	7.5	11.0	—	—	311.8	400										
					130.0	108	311.8	400										
					260.0	216	407.5	450										
		2	10	14.0	—	—	317.8	400										
					130.0	108	317.8	400										
					260.0	216	415.0	500										

See page 110 for legend and notes.

**Table 26 — 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	
												—	—	—	—	—	—	197.7	225
												2	5	6.1	—	—	209.9	250	
										7.5	9.0		—	—	215.7	250			
										10	11.0		—	—	219.7	250			
										40	41.0	—	—	—	—	—	—	211.4	250
												2	5	6.1	—	—	223.6	250	
													7.5	9.0	—	—	229.4	250	
													10	11.0	—	—	233.4	250	
												—	—	—	—	—	—	223.9	250
												2	5	6.1	—	—	236.1	250	
										7.5	9.0		—	—	241.9	300			
										10	11.0		—	—	245.9	300			
										60	62.0	—	—	—	—	—	—	242.7	300
												2	5	6.1	—	—	254.9	300	
7.5	9.0	—	—	260.7	300														
10	11.0	—	—	264.7	300														
2	5	6.1	—	—	254.9	300													
	7.5	9.0	—	—	260.7	300													
	10	11.0	—	—	264.7	300													

See page 110 for legend and notes.

**Table 27 — 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	—	—	—	—	—	219.8	250
															130.0	108	219.8	250
															260.0	216	310.0	350
												2	5	7.6	—	—	235.0	250
															130.0	108	235.0	250
															260.0	216	329.0	350
												2	7.5	11.0	—	—	241.8	250
															130.0	108	241.8	250
															260.0	216	337.5	350
												2	10	14.0	—	—	247.8	250
															130.0	108	247.8	250
															260.0	216	345.0	350
										40	52.0	—	—	—	—	—	234.8	250
															130.0	108	234.8	250
															260.0	216	325.0	350
												2	5	7.6	—	—	250.0	300
															130.0	108	250.0	300
															260.0	216	344.0	350
												2	7.5	11.0	—	—	256.8	300
															130.0	108	256.8	300
															260.0	216	352.5	400
												2	10	14.0	—	—	262.8	300
															130.0	108	262.8	300
															260.0	216	360.0	400
50	65.0	—	—	—	—	—	251.1	300										
					130.0	108	251.1	300										
					260.0	216	341.3	400										
		2	5	7.6	—	—	266.3	300										
					130.0	108	266.3	300										
					260.0	216	360.3	400										
		2	7.5	11.0	—	—	273.1	300										
					130.0	108	273.1	300										
					260.0	216	368.8	400										
		2	10	14.0	—	—	279.1	300										
					130.0	108	279.1	300										
					260.0	216	376.3	400										
60	77.0	—	—	—	—	—	266.1	300										
					130.0	108	266.1	300										
					260.0	216	356.3	400										
		2	5	7.6	—	—	281.3	350										
					130.0	108	281.3	350										
					260.0	216	375.3	400										
		2	7.5	11.0	—	—	288.1	350										
					130.0	108	288.1	350										
					260.0	216	383.8	450										
		2	10	14.0	—	—	294.1	350										
					130.0	108	294.1	350										
					260.0	216	391.3	450										
75	96.0	—	—	—	—	—	289.8	350										
					130.0	108	289.8	350										
					260.0	216	380.0	450										
		2	5	7.6	—	—	305.0	400										
					130.0	108	305.0	400										
					260.0	216	399.0	450										
		2	7.5	11.0	—	—	311.8	400										
					130.0	108	311.8	400										
					260.0	216	407.5	450										
		2	10	14.0	—	—	317.8	400										
					130.0	108	317.8	400										
					260.0	216	415.0	500										

See page 110 for legend and notes.

**Table 27 — 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	
												—	—	—	—	—	—	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	
												—	—	—	—	—	—	223.9	250
												2	5	6.1	—	—	236.1	250	
										7.5	9.0		—	—	241.9	300			
										10	11.0		—	—	245.9	300			
										60	62.0	—	—	—	—	—	—	242.7	300
												2	5	6.1	—	—	254.9	300	
7.5	9.0	—	—	260.7	300														
10	11.0	—	—	264.7	300														
2	5	6.1	—	—	254.9	300													
	7.5	9.0	—	—	260.7	300													
	10	11.0	—	—	264.7	300													

See page 110 for legend and notes.

Table 28 — 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	— 130.0 260.0	— 108 216	246.8 246.8 343.8	250 250 350
													25	34.0	— 130.0 260.0	— 108 216	253.8 253.8 352.5	300 300 400
													30	40.0	— 130.0 260.0	— 108 216	259.8 259.8 360.0	300 300 400
													40	52.0	— 130.0 260.0	— 108 216	274.8 274.8 375.0	300 300 400
												25	34.0	— 130.0 260.0	— 108 216	268.8 268.8 367.5	300 300 400	
												30	40.0	— 130.0 260.0	— 108 216	274.8 274.8 375.0	300 300 400	
												40	52.0	— 130.0 260.0	— 108 216	286.8 286.8 390.0	300 300 400	
												25	34.0	— 130.0 260.0	— 108 216	285.1 285.1 383.8	350 350 400	
												30	40.0	— 130.0 260.0	— 108 216	291.1 291.1 391.3	350 350 400	
												40	52.0	— 130.0 260.0	— 108 216	303.1 303.1 406.3	350 350 450	
												25	34.0	— 130.0 260.0	— 108 216	300.1 300.1 398.8	350 350 450	
												30	40.0	— 130.0 260.0	— 108 216	306.1 306.1 406.3	350 350 450	
										40	52.0	— 130.0 260.0	— 108 216	318.1 318.1 421.3	350 350 450			
										25	34.0	— 130.0 260.0	— 108 216	323.8 323.8 422.5	400 400 500			
										30	40.0	— 130.0 260.0	— 108 216	329.8 329.8 430.0	400 400 500			
										40	52.0	— 130.0 260.0	— 108 216	341.8 341.8 445.0	400 400 500			

See page 110 for legend and notes.

Table 28 — 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

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.

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.

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.

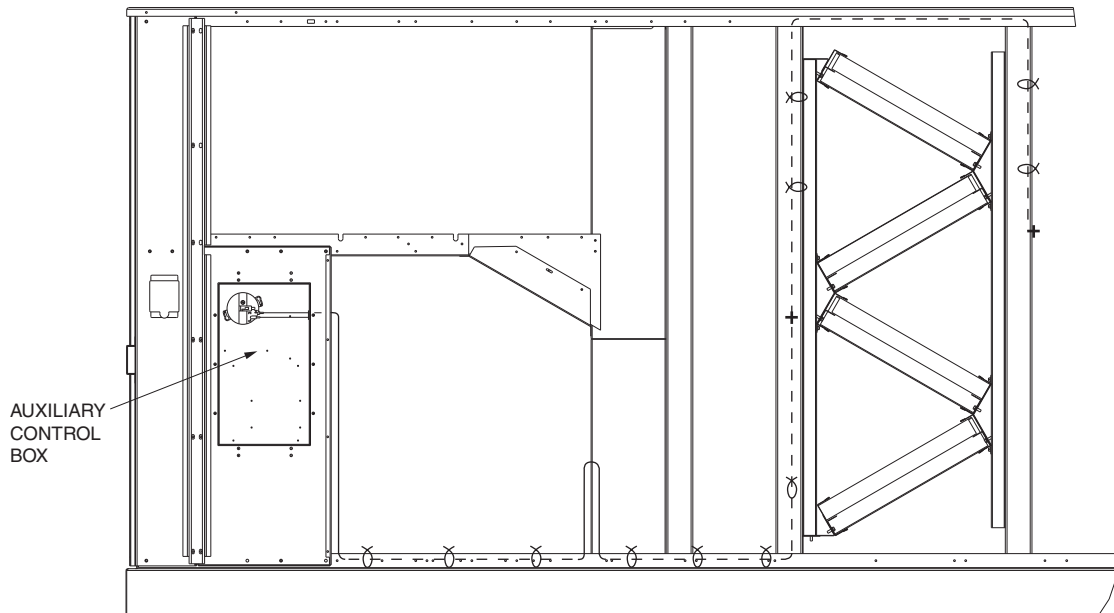


Fig. 44 — Auxiliary Control Box Location (Sizes 030-050)

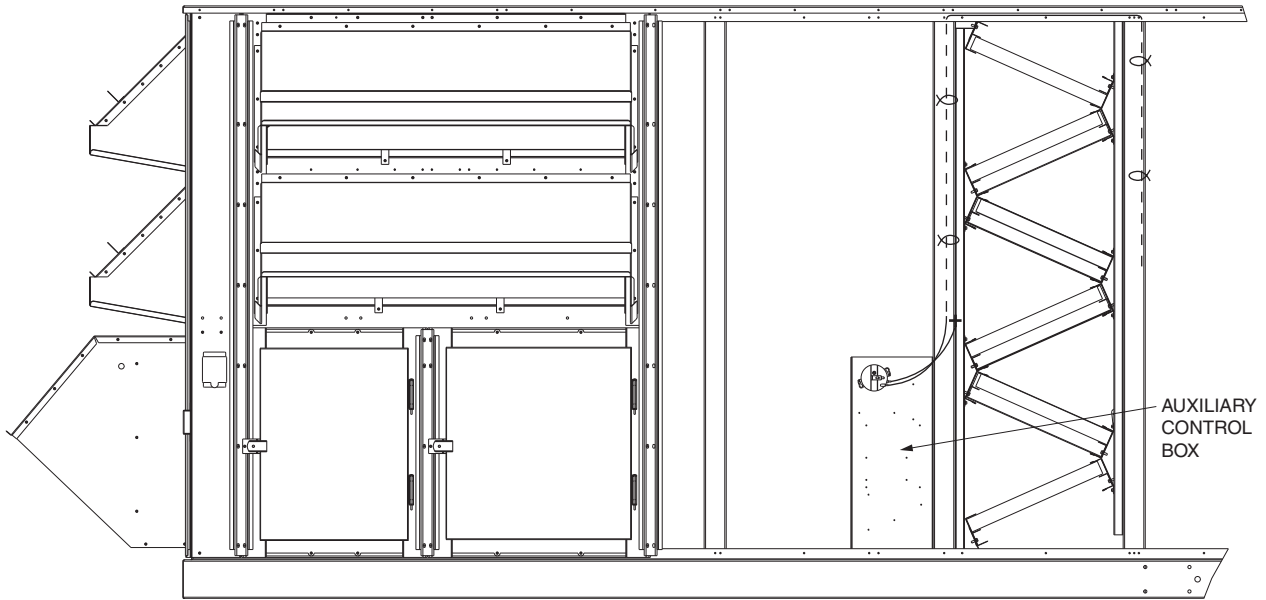
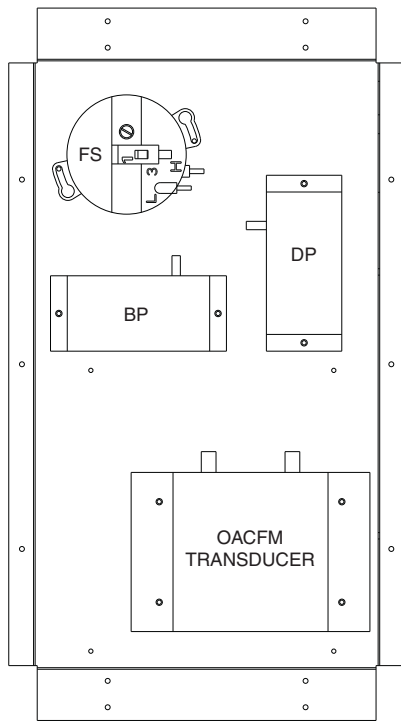


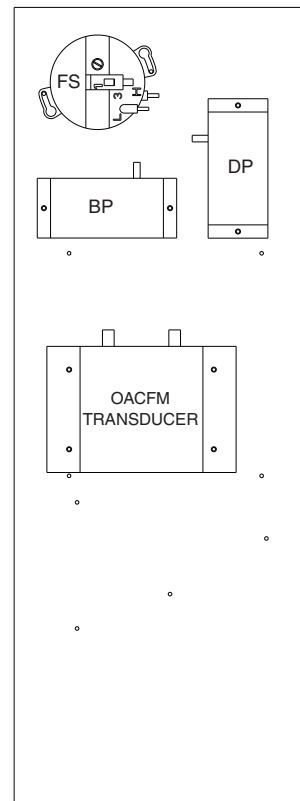
Fig. 45 — Auxiliary Control Box Location (Sizes 055-100)



LEGEND

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

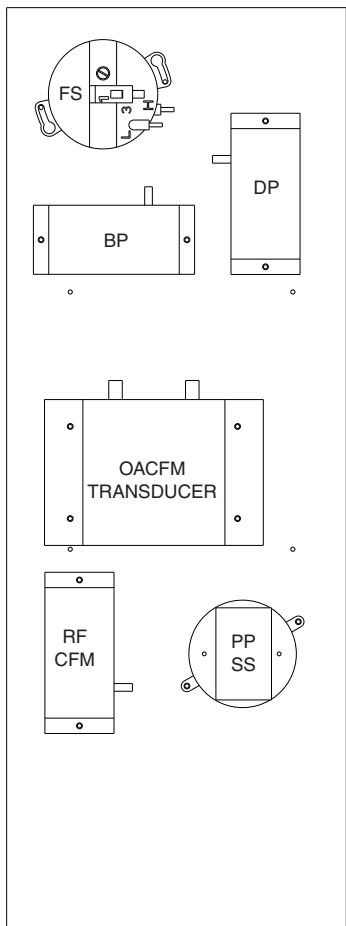
Fig. 46 — Auxiliary Control Box Details (Sizes 030-050)



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.

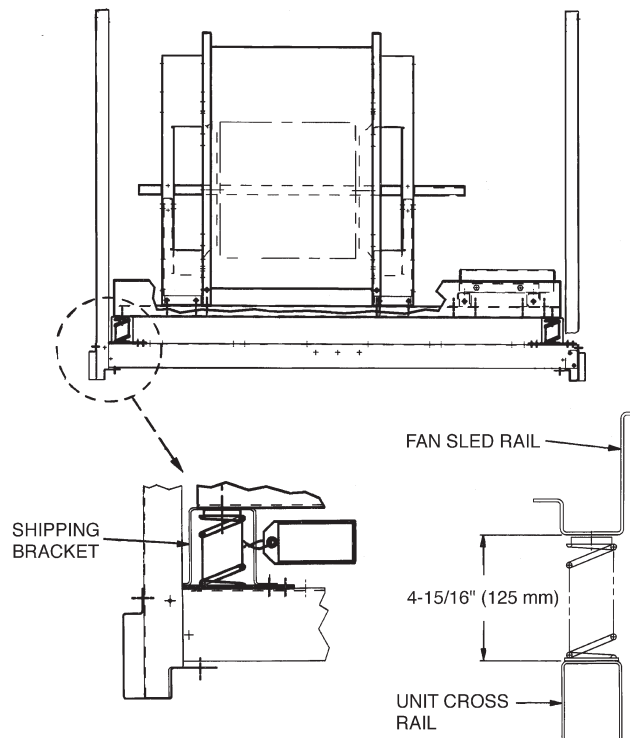


Fig. 49 — Shipping Brackets; Size 030-050 Units

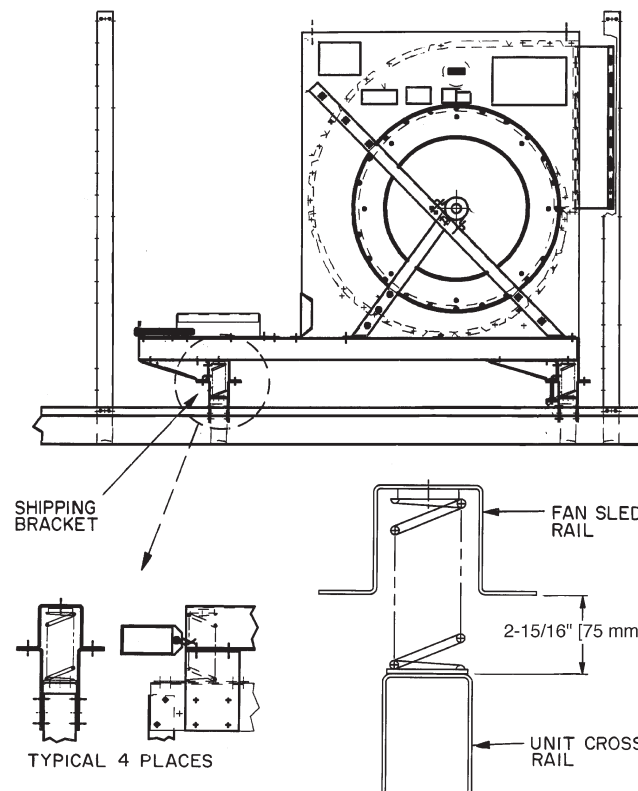


Fig. 50 — Shipping Brackets; Size 055-070 Units

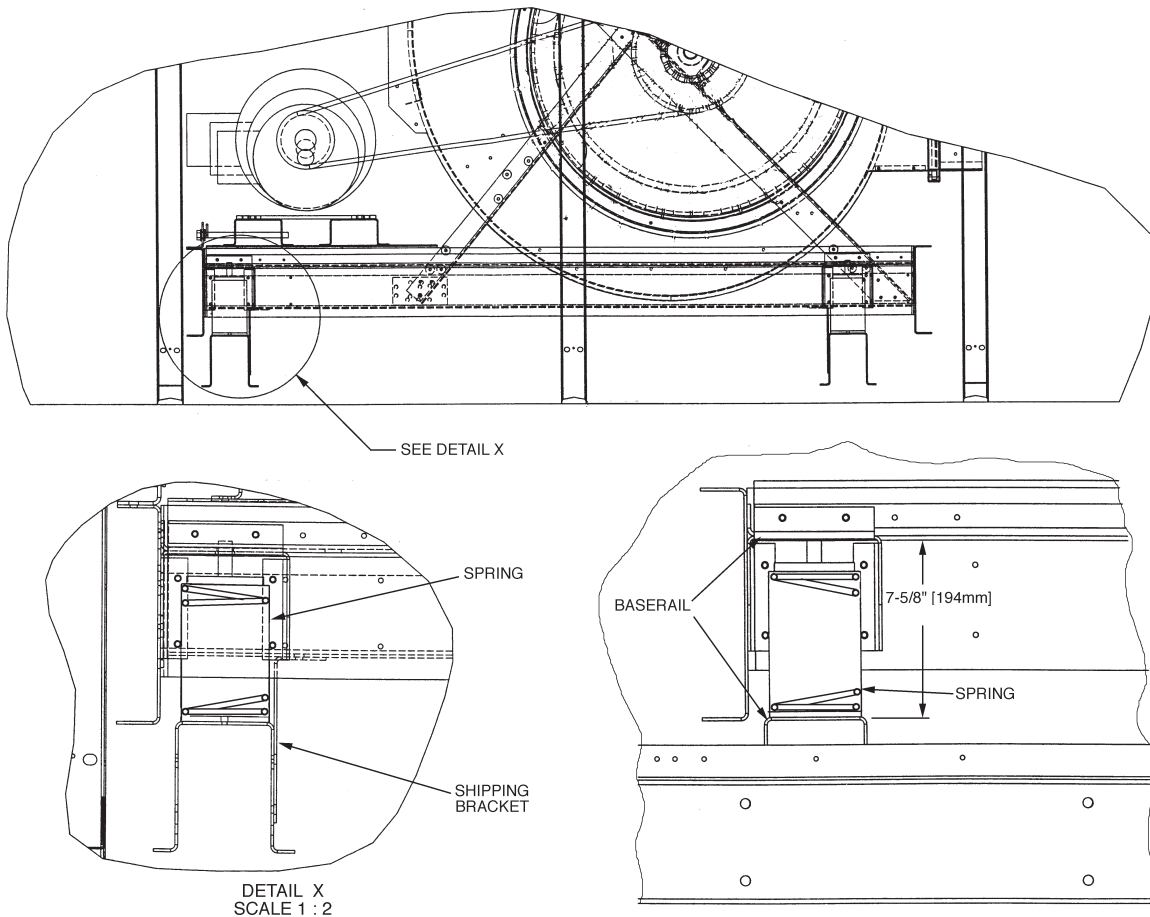


Fig. 51 — Shipping Brackets (Sizes 075-100)

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 29. 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 29 — 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)	

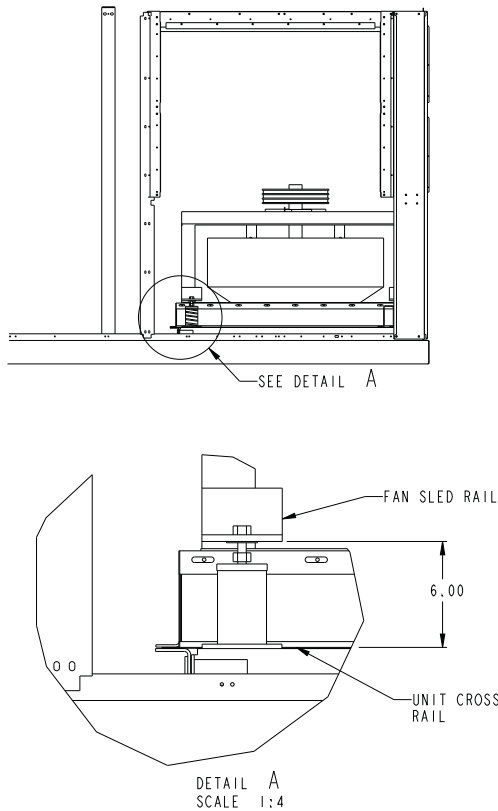


Fig. 52 — Return/Exhaust Fan Shipping Brackets

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
 - CO₂ sensor
 - space temperature sensor with CO₂ 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 *ComfortLink* controls.

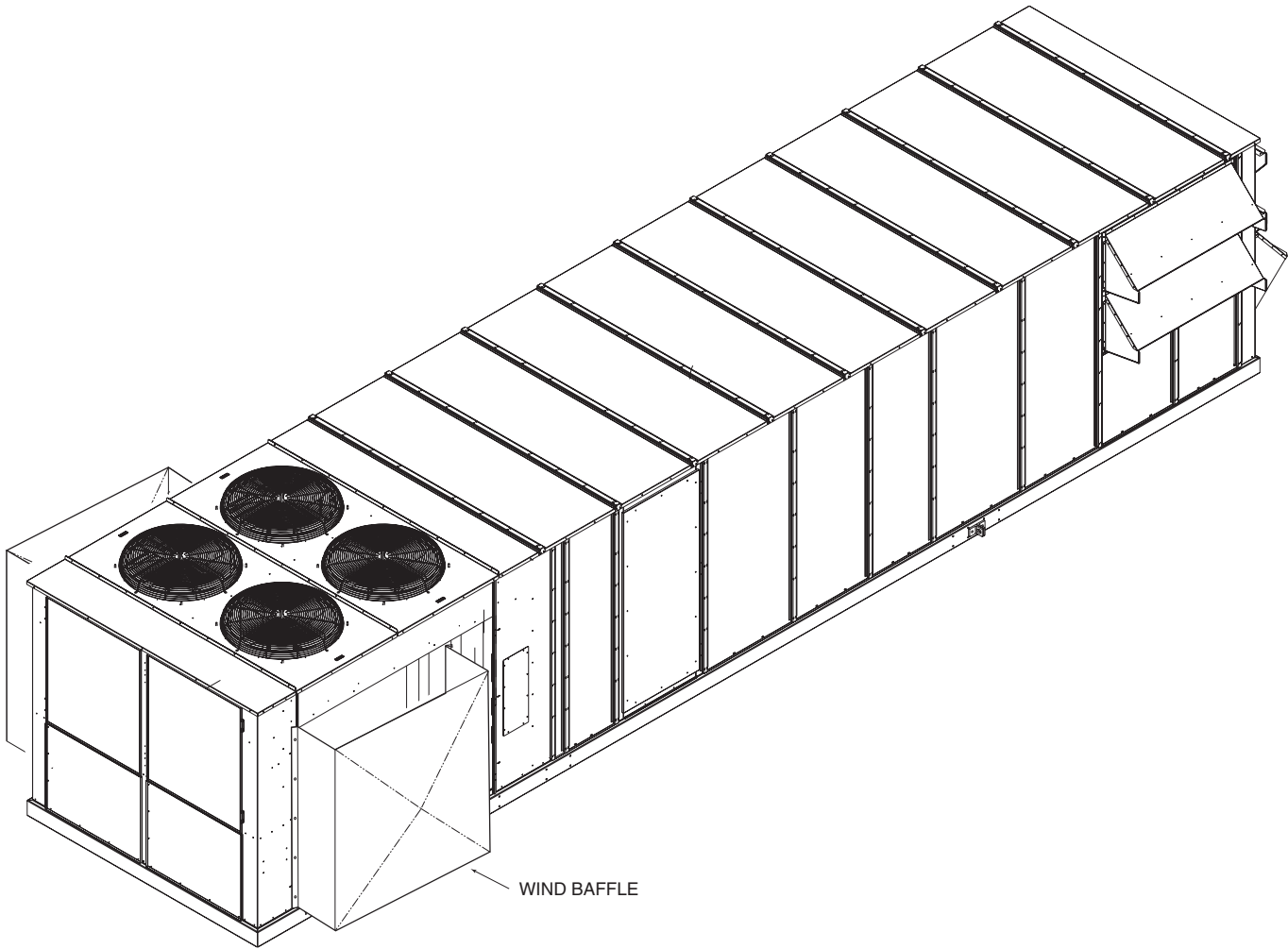
Install the thermostat according to the installation instructions shipped with the accessory thermostat. Locate thermostat assembly on a solid interior wall to sense average temperature.

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.

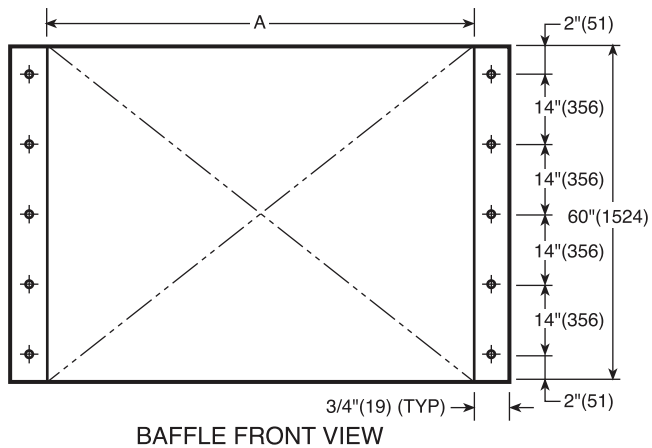
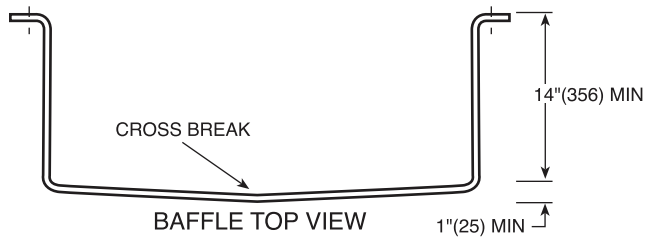
NOTE: For wire runs up to 50 ft, use no. 18 AWG (American Wire Gage) insulated wire (35°C minimum). For over 75 ft, use no. 14 AWG insulated wire (35°C minimum). All wire larger than no. 18 AWG cannot be directly connected at the thermostat and will require a junction box and splice at the thermostat.

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

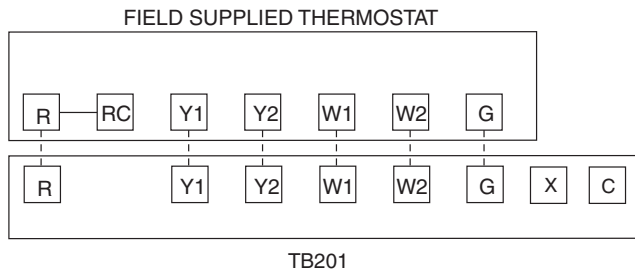


Fig. 54 — Field Control Thermostat Wiring

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.

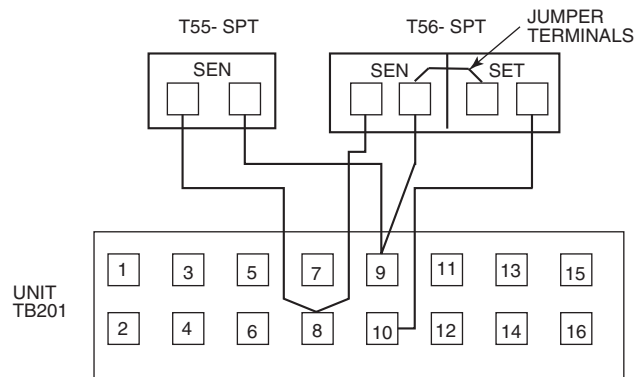


Fig. 55 — T-55 or T-56 Wiring

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)
- CO₂ 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 CO₂ sensor (Fig. 63)
- Return/supply 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.

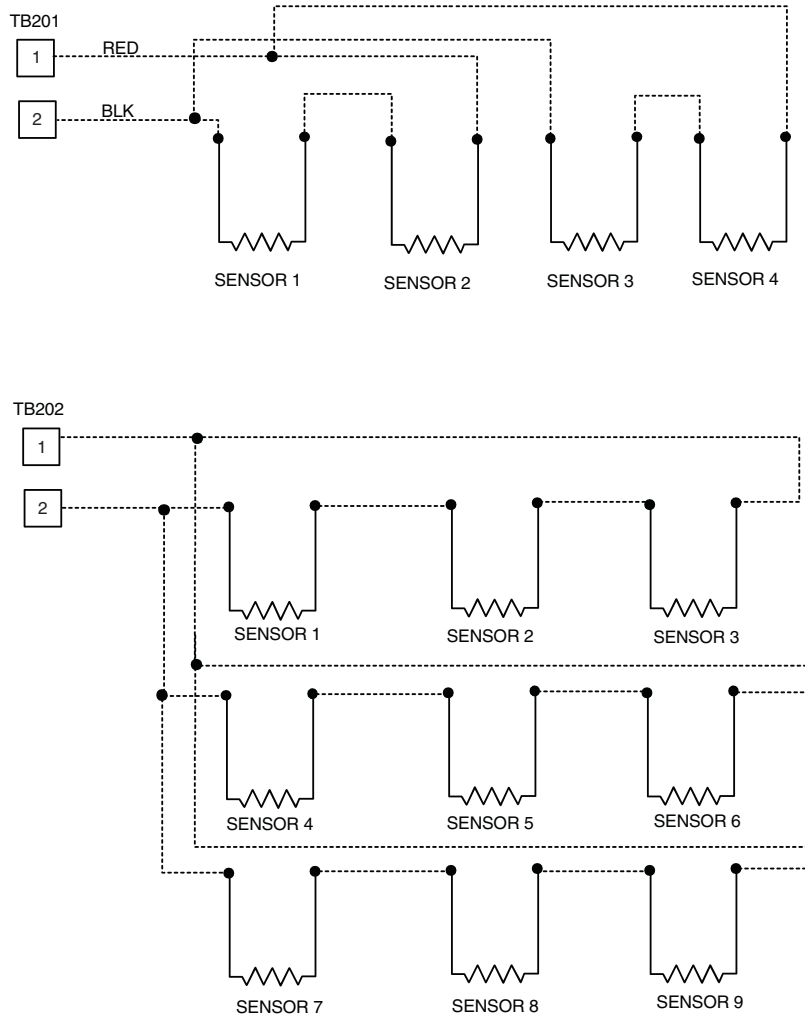
The system elements are connected to the communication bus in a daisy chain arrangement. The positive pin of each system element communication connector must be wired to the positive pins of the system element on either side of it, the negative pins must be wired to the negative pins, and the signal 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, Teflon¹, 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 30 for cables that meet the requirements.

Table 30 — CCN Connection Approved Shielded Cables

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

1. Teflon is a 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.

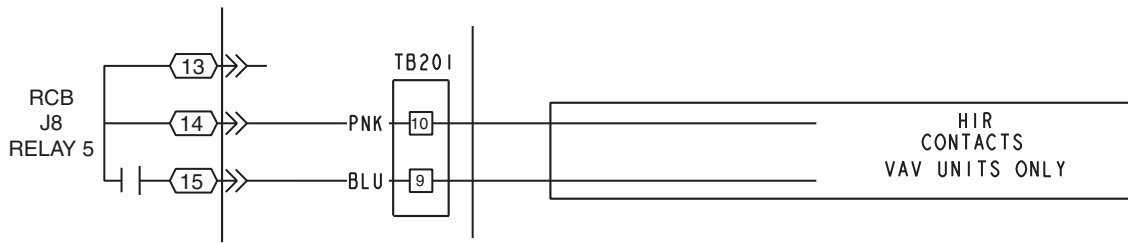


Fig. 57 — Heat Interlock Relay Wiring

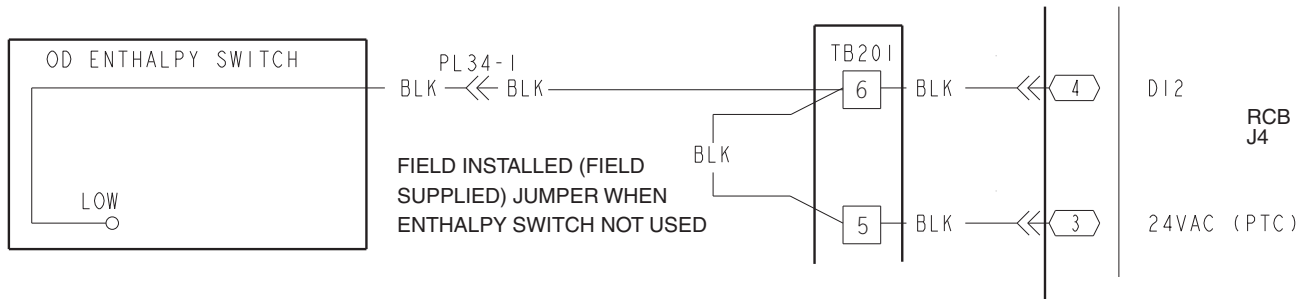


Fig. 58 — Outdoor Air Enthalpy Switch Wiring

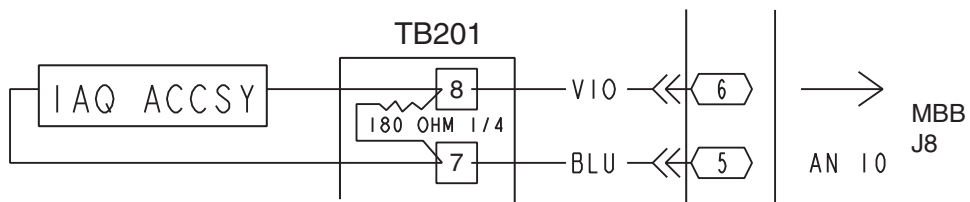


Fig. 59 — CO₂ Space Sensor Wiring

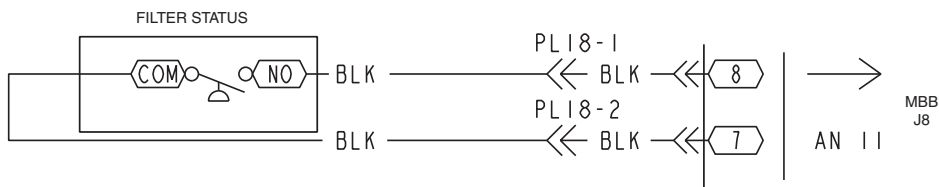


Fig. 60 — Filter Status Wiring

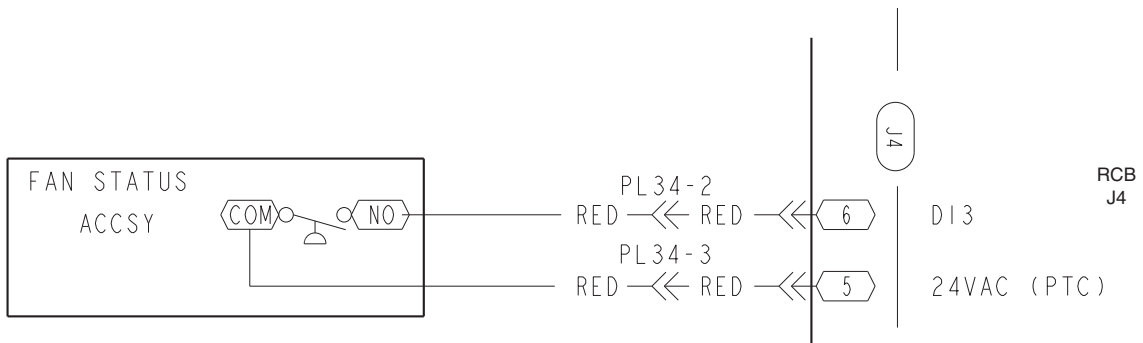


Fig. 61 — Fan Status Switch Wiring

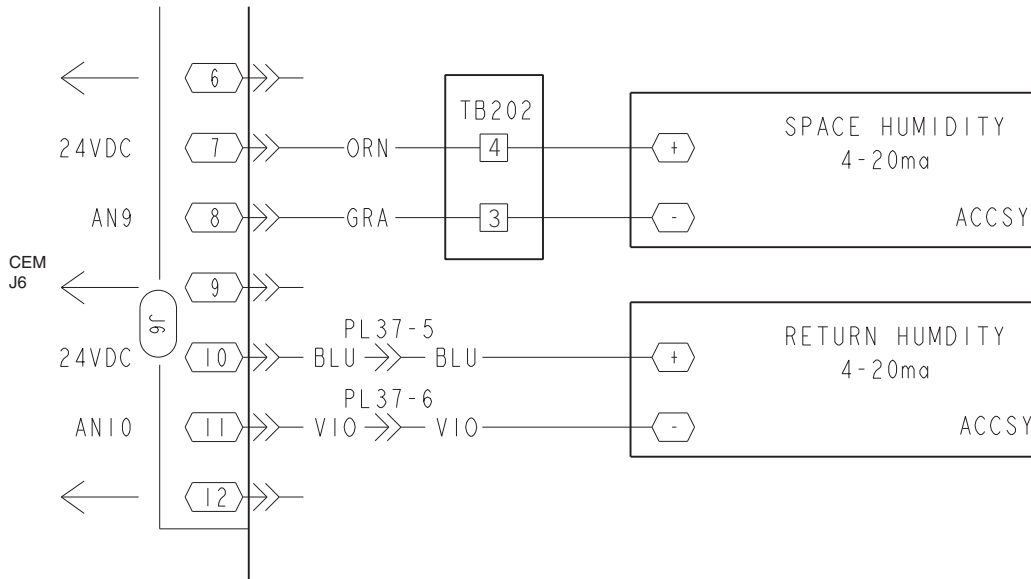


Fig. 62 — Space and Return Air Humidity Sensor Wiring

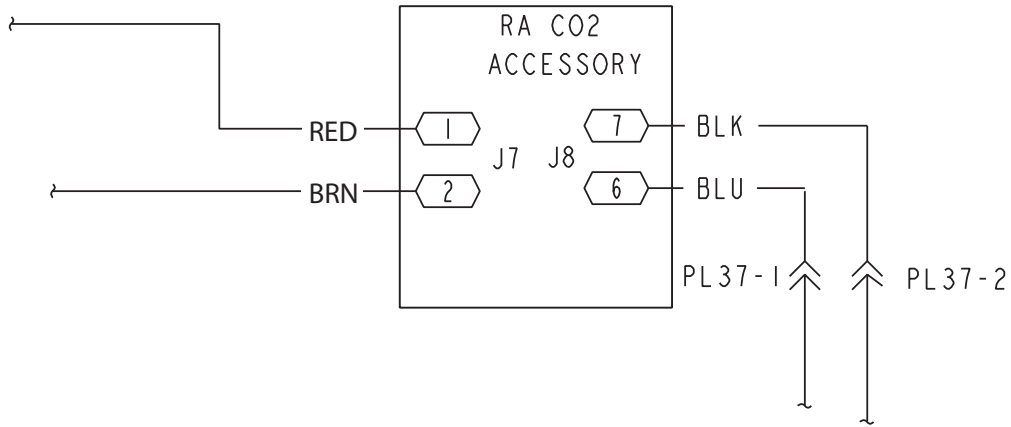


Fig. 63 — Return Air CO₂ Sensor Wiring

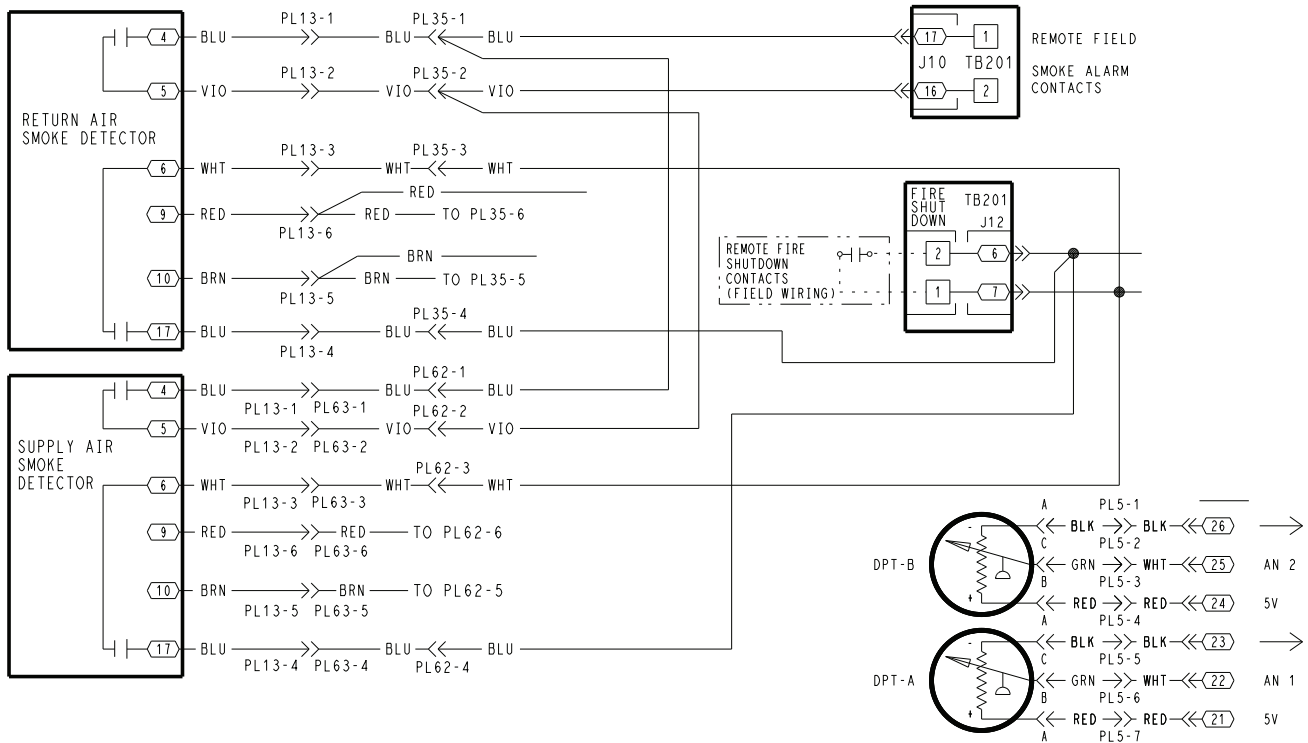


Fig. 64 — Return/Supply Air Smoke Detector Wiring

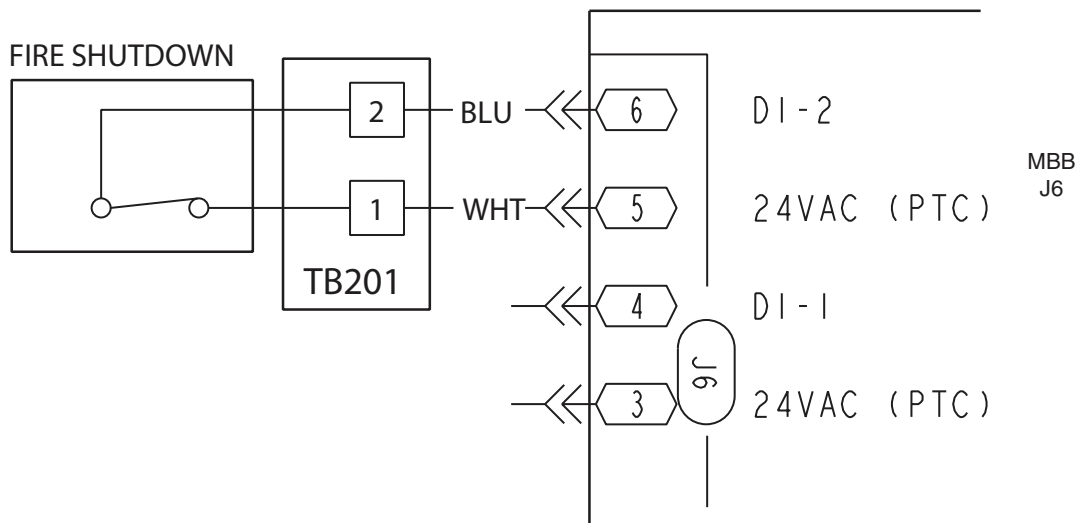


Fig. 65 — Fire Shutdown Wiring

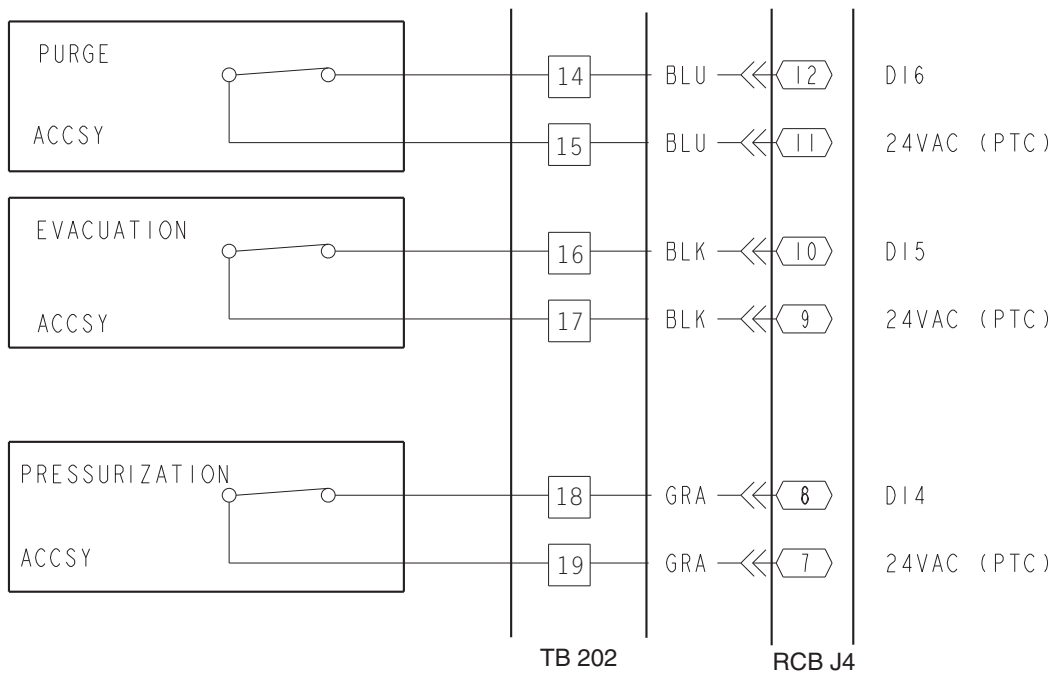


Fig. 66 — Purge, Evacuation, and Pressurization Wiring

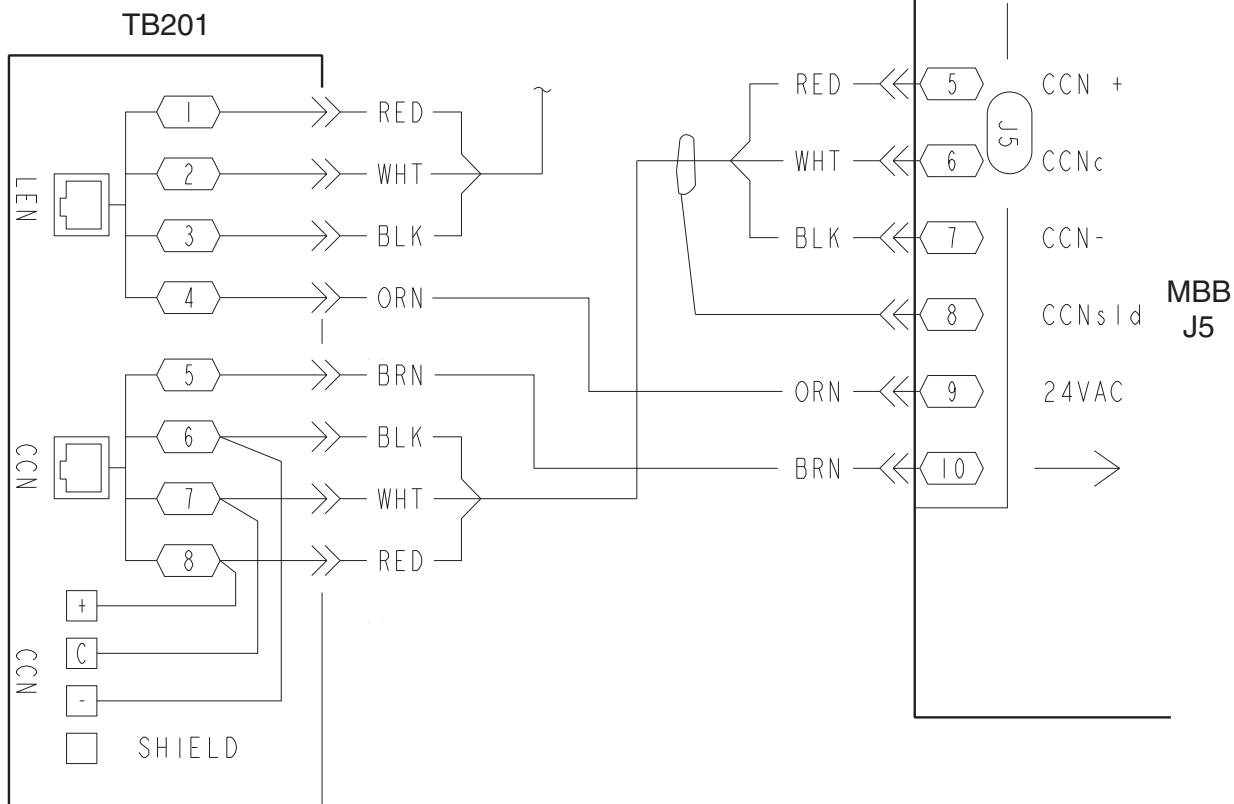


Fig. 67 — CCN Connections

Optional UPC Open Installation

WIRING THE UPC OPEN TO THE MS/TP NETWORK — The UPC Open controller communicates using BACnet¹ 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 31 and 30. The wire jacket and UL temperature rating specifications list two acceptable alternatives. The Halar² specification has a higher temperature rating and a tougher outer jacket than the SmokeGard³ 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.

1. BACnet is a registered trademark of ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Halar is a registered trademark of Solvay Plastics.
3. SmokeGard is a trademark of AlphaGary-Mexichem Corp.

Table 31 — MS/TP Wiring Recommendations

SPECIFICATION	RECOMMENDATION
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 32 — 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

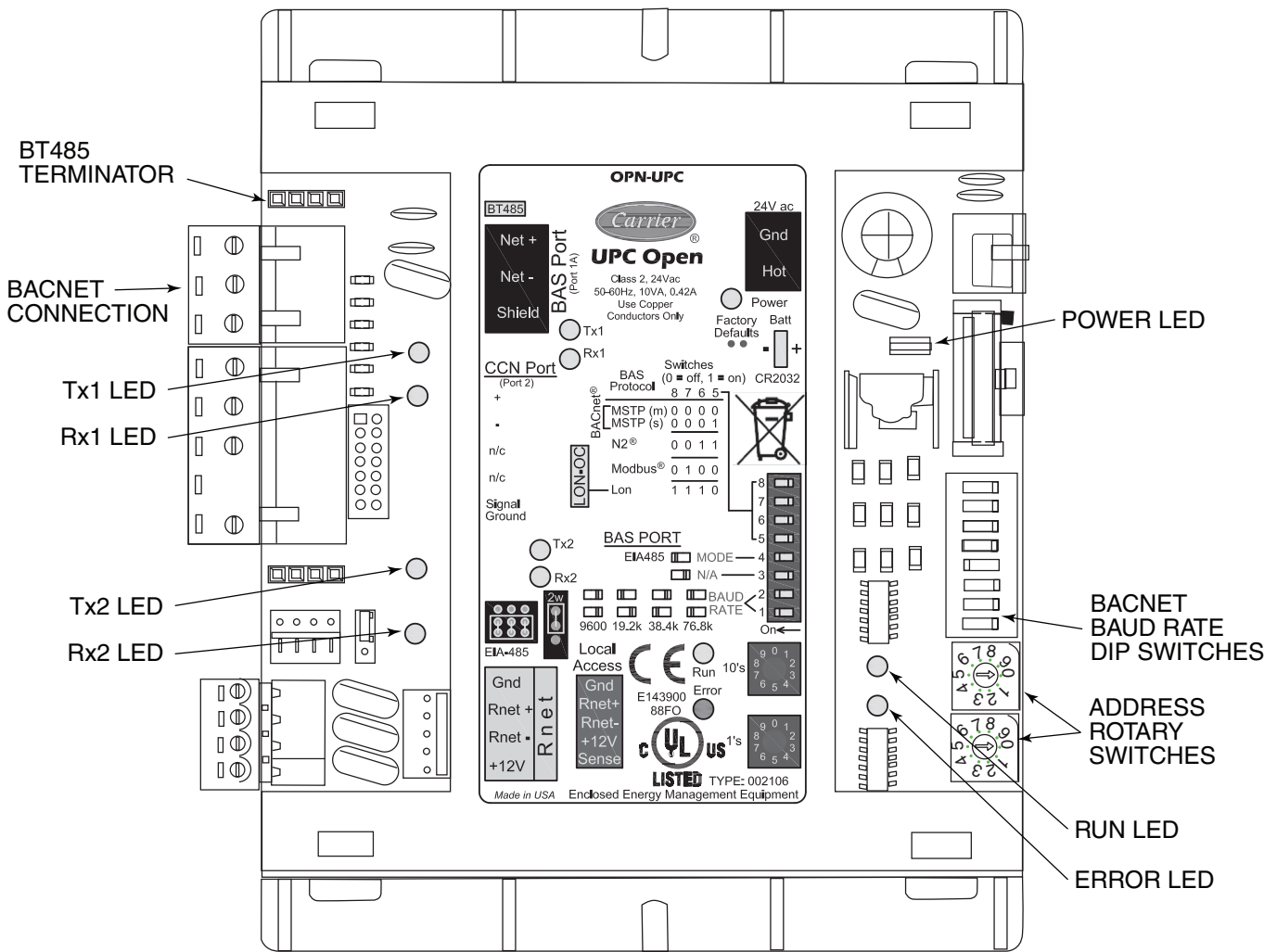


Fig. 68 — UPC Open Controller

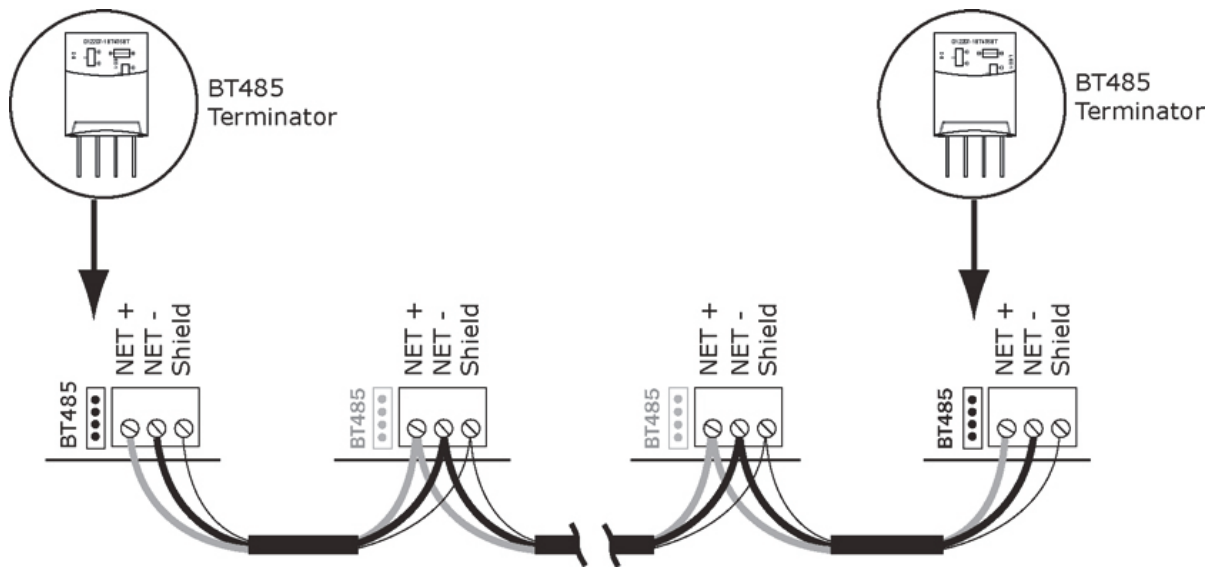


Fig. 69 — Open System Network Wiring

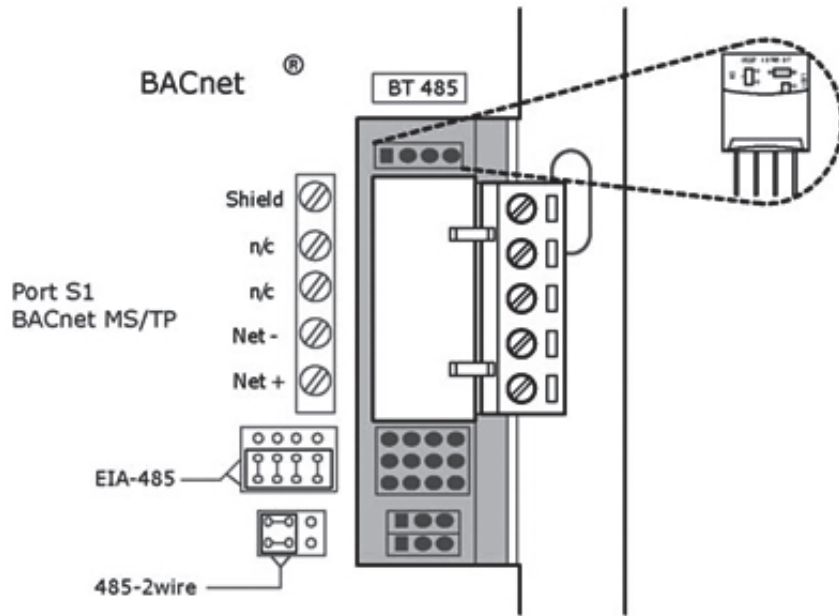


Fig. 70 — BT485 Installation

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 33 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 33 and Fig. 65 and 66 for more information.

Table 33 — 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.

