



See unit nameplate for manufacturer's
name and address.

**INSTALLATION INSTRUCTIONS FOR EHA102/360 ELECTRIC HEAT ASSEMBLIES
USED WITH LC/LH/TC/TH 090/360 UNITS**

Shipping and Packing List

Package 1 of 1 contains:

- 1- Electric heat assembly
- 1- Bag assembly containing:
 - 1- Wiring diagram sticker
 - 14- Screws

Inspect package upon receiving. If damage is found,
contact last carrier immediately.

F4 Fuse Block

Fuse block assembly (F4) is not furnished with electric
heat and must be ordered extra. The fuse block is
required in single point power installations only.

Terminal Block

TB2 is not required when unit has S48 disconnect or
CB10 circuit breaker. Power can be distributed from S48
and CB10 instead of TB2.

LC/LH Units and TC/TH090-150 Units

A separately ordered TB2 is required when:

- Unit TB2 has single connection points on the load side
- Single power supply applications

*NOTE - For ordering purposes, F4 fuse block and TB2
terminal block may be referred to as LAFB and LTB2
respectively. For use in this manual and on wiring
schematics, F4 and TB2 nomenclature is used.*

TC/TH180-300S Units

TB15 is provided in the electric heat control kit.

Electric Heat Control Module

The electric heat control module kit is not furnished with
electric heat and must be ordered extra.

The kit is required on TC/TH units. The kit is required on
LC/LH 156-360 units when EHA150-30, 60; or
EHA360-22.5, 45 are being installed.

05/05

⚠ WARNING

**Improper installation, adjustment, alteration, ser-
vice or maintenance can cause property damage,
personal injury or loss of life. Installation and ser-
vice must be performed by a qualified installer, ser-
vice agency or the gas supplier**

⚠ CAUTION

**Danger of sharp metallic edges. Can cause injury.
Take care when servicing unit to avoid accidental
contact with sharp edges.**

Application

EHA102, 150, 156, 240 & 360 electric heat sections
are used as primary heaters for packaged cooling units
and as a secondary heat source for packaged heat
pump units. See table 1 for match-ups. Two electric
heat assemblies are used in 156 through 360 units;
only one electric heat assembly is used in 090 through
150 units.

Requirements

The EHA series heaters are CGA and ETL design
certified.

Installation of electric heaters must conform with
standards of the National Fire Protection Association
(NFPA) "Standard for Installation of Air Conditioning and
Ventilation Systems NFPA No. 90A;" "Standard for the
Installation of Residence Type Warm Air Heating and Air
Conditioning Systems NFPA No. 90B;" in Canada, CSA
C22.1 Canadian Electrical Code — Part I and all
applicable CSA requirements; manufacturer's
installation instructions and local municipal building
codes. Heaters are approved for clearances to
combustible materials as listed on heater rating plate.

Accessibility and service clearances must take
precedence over fire protection clearances. All wiring
must conform with local building codes and the current
National Electric Code (NEC) ANSI-C1 and in Canada,
CSA C22.1 Canadian Electrical Code —Part I and the
applicable CSA requirements.

505,053M



Installation

- 1- Disconnect all power to unit.
- 2- Remove or open unit heat and compressor access panels. Remove screws and discard rectangular vestibule cover(s). See unit installation instruction dimension page.
- 3- Insert electric element heat assembly into rectangular vestibule opening and secure assembly using screws provided. See figure 1.
- 4- *Single Power Point Only* -
Install F4 fuse block assembly (ordered separately) using screws provided. See figure 1 for location.
- 5- Insert fuses from bag assembly in fuse block assembly.
- 6- Affix F4 and fuse amp stickers next to fuse block.
- 7- Install electric heat control module kit when required (ordered separately). Refer to module installation instructions for proper installation and electrical connections.

TABLE 1

Packaged Units	Electric Heat	KW Output	Field Wiring Figure
Cooling 090, 102 (7-1/2, 8-1/2 Ton) Heat Pump 090, 102 (7-1/2 Ton, 8-1/2 Ton)	EHA102-7.5	7.5	2 & 3
Cooling 090, 102, 120, 150 (7-1/2, 8-1/2, 10, 12-1/2 Ton) Heat Pump 090, 102, 120, 150 (7-1/2, 8-1/2, 10 Ton, 12-1/2 Ton)	EHA150-15	15	2 & 3
	EHA360-22.5	22.5	4 & 5
	EHA150-30	30	4 & 5
	EHA150-45	45	4 & 5
Cooling 120, 150 (10, 12-1/2 Ton) Heat Pump 120, 150 (10 Ton, 12-1/2 Ton)	EHA150-60	60	4 & 5
Cooling 156 (13 Ton)	EHA240-7.5 and EHA240S-7.5	15	6 & 9
	EHA156-15 and EHA156S-15	30	6, 7, 9, 10
	EHA156-22.5 (2)	45	8 & 11
	EHA156-30 (2)	60	
Cooling 180, 210, 240, 300S (15, 17-1/2, 20, 25 Ton) Heat Pump 180, 240 (15, 20 Ton)	EHA240-7.5 and EHA240S-7.5	15	6 & 9
	EHA360-15 and EHA360S-15	30	6, 7, 9, & 10
	EHA360-22.5 (2)	45	8 & 11
	EHA150-30 (2)	60	
Cooling 210, 240, 300S (17-1/2, 20, 25 Ton) Heat Pump 240 (20 Ton)	EHA360-45 (2)	90	8 & 11
Cooling 248, 300H, 360 (21, 25, 30 Ton)	EHA360-15 and EHA360S-15	30	6 & 7
	EHA360-22.5 (2)	45	8
	EHA150-30 (2)	60	8
	EHA150-45 (2)	90	8
	EHA150-60 (2)	120	8

(2) Two electric heat assemblies.

Electrical Connections

Wiring must conform to local codes and NEC/CEC. Refer closely to wiring diagram in this instruction and the following information: If electric heat assembly is being installed in an existing unit, a change in power supply wiring and disconnect switch or circuit breaker may be required. Remove the original supply wires or disconnect at power source. Refer to heater nameplate for minimum circuit ampacity and maximum fuse size.

WARNING



Electric shock hazard. Can cause injury or death. Before attempting to perform any service or maintenance, turn the electrical power to unit OFF at disconnect switch(es). Unit may have multiple power supplies.

- 1- Review heater installed nameplate for MCA values and enlarge power entry knockouts as needed. Refer to table 1 for appropriate field wiring diagram. When multiple figures are listed, use diagram which has the same factory and/or field optional components as the

unit. For low voltage wiring connections, refer to unit and electric heat control module installation instruction.

- 2- Make 24 volt harness jack/plug connections as follows. Connect electric heat jack J7 to electric heat plug P7. For 156 through 360 units which contain two heat sections, also connect electric heat jack J37 to electric heat plug P37.
- 3- Place electric heat wiring diagram (provided) on the inner side of compressor access panel.

Blower Speed Requirements

EHA electric heater applications require specific blower air volumes. Refer to tables 2 through 6 for proper blower speeds.

Note - Minimum air requirements are shown in tables; do not set CFM lower than minimum CFM listed.

Unit Start-Up (Heating Cycle)

Set room thermostat for proper heat or auto operation if switching subbase is used. Apply power to unit and position heat setpoint lever above room temperature. Refer to unit installation instructions for additional information on start-up operations and adjustments.

ELECTRIC HEAT INSTALLATION (EHA150-45 SHOWN IN LC/LH UNIT)

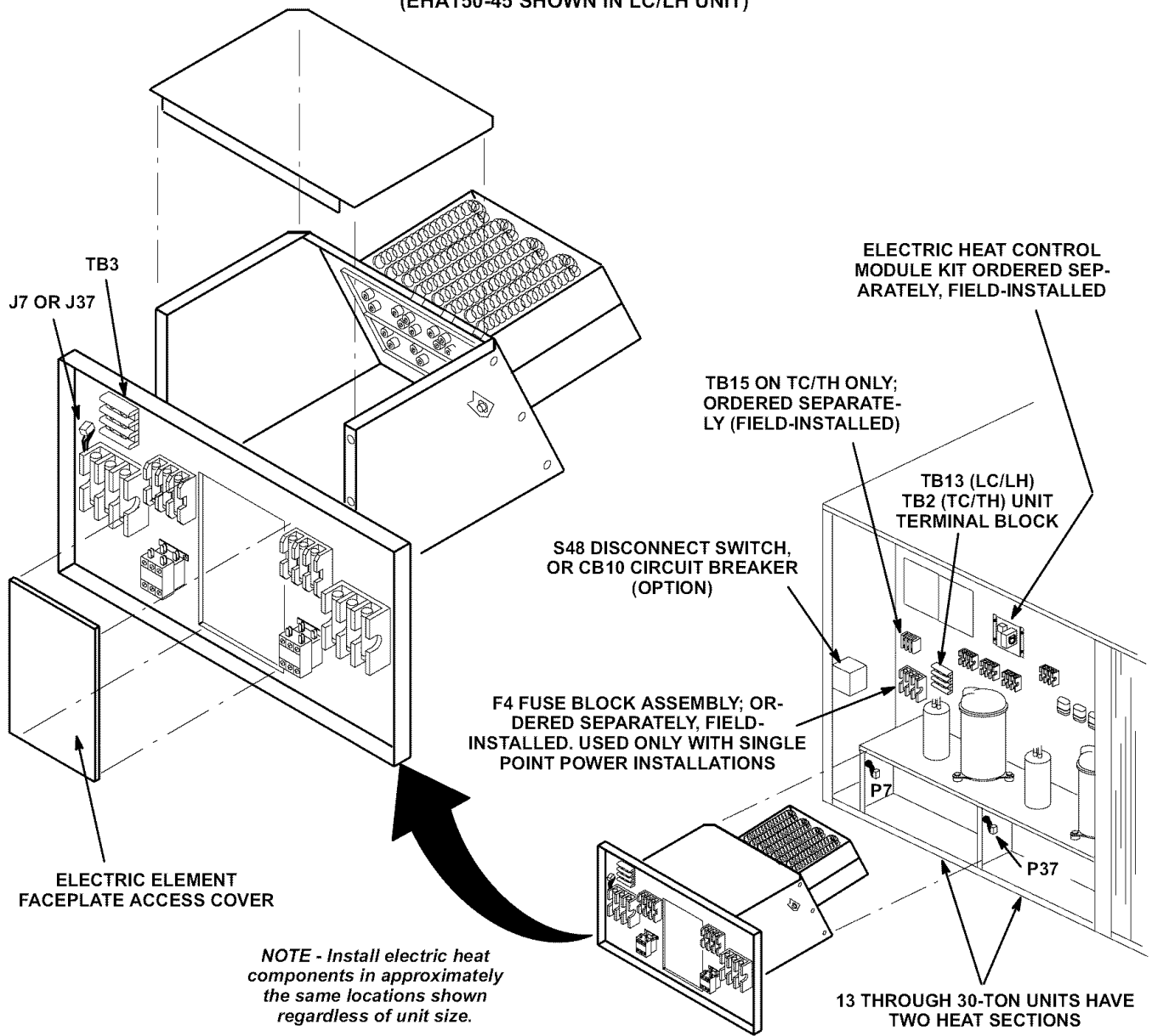
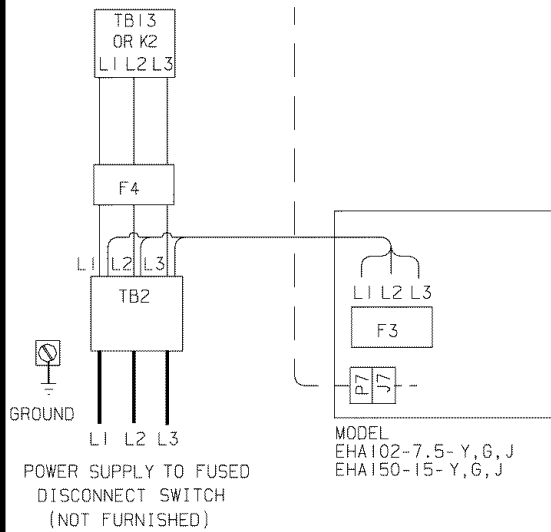
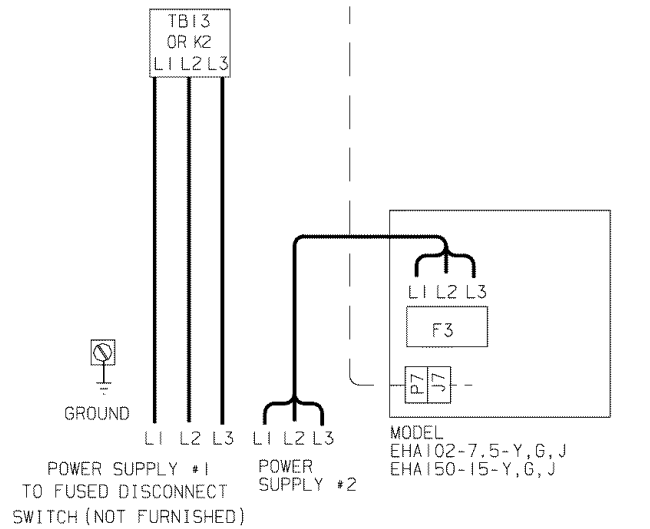


FIGURE 1

LC/LH090-150 UNITS AND TC/TH090-150 UNITS



SINGLE POWER SUPPLY - NO CB10/S48



MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breaker

F3- Electric Heat Fuse Block

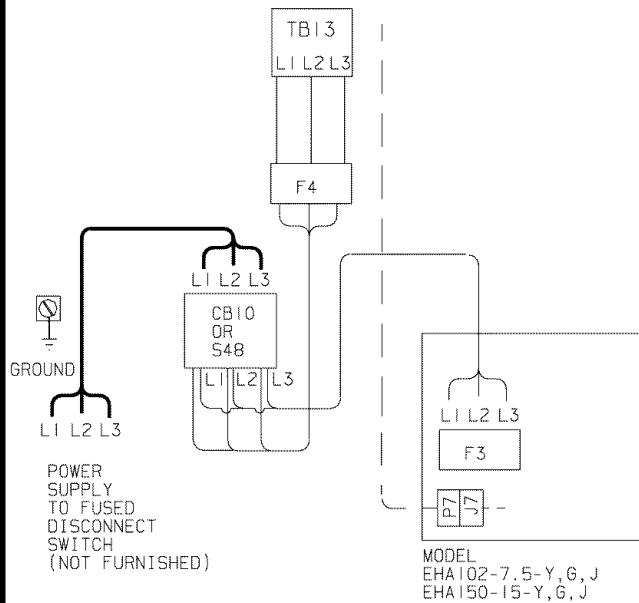
F4- Unit Fuse Block

K2- Contactor (wire to K2 only when unit does not contain TB13)

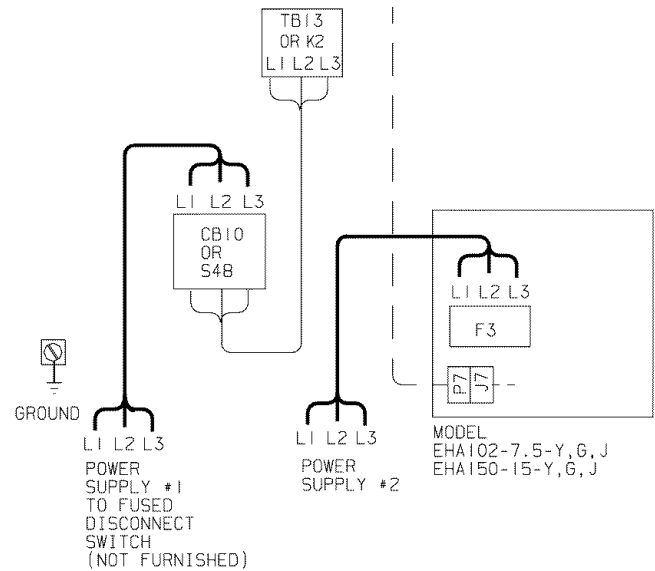
S48- Disconnect

TB2- Unit Terminal Block

TB13-Unit Terminal Block



SINGLE POWER SUPPLY WITH CB10/S48

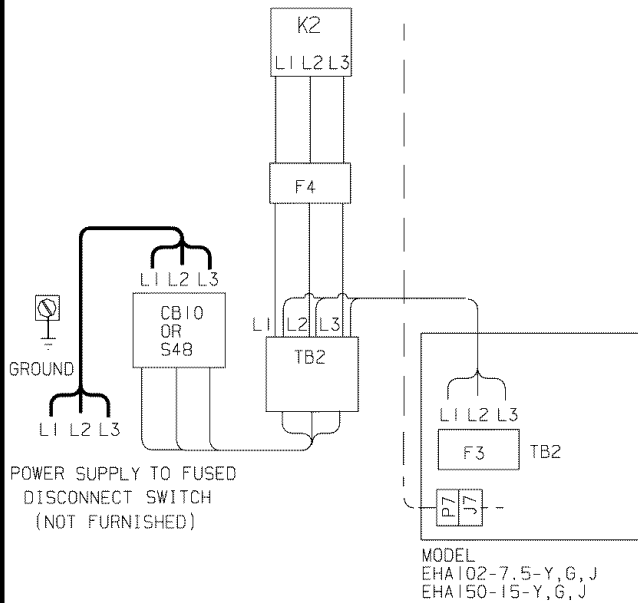


MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 2

TC/TH090-150 UNITS

- CB10-Circuit Breaker
- F3- Electric Heat Fuse Block
- F4- Unit Fuse Block
- K2- Contactor (wire to K2 only when unit does not contain TB13)
- S48- Disconnect
- TB2- Unit Terminal Block

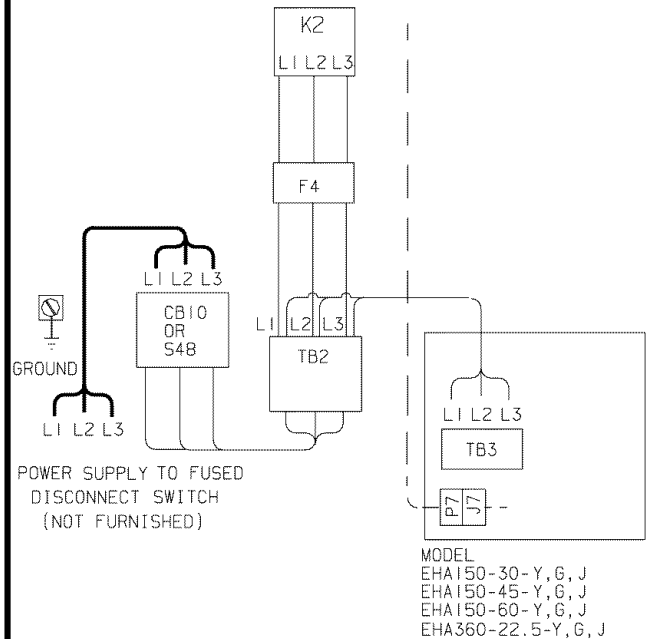


SINGLE POWER SUPPLY WITH CB10/S48 - NO TB13

FIGURE 3

TC/TH090-150 UNITS

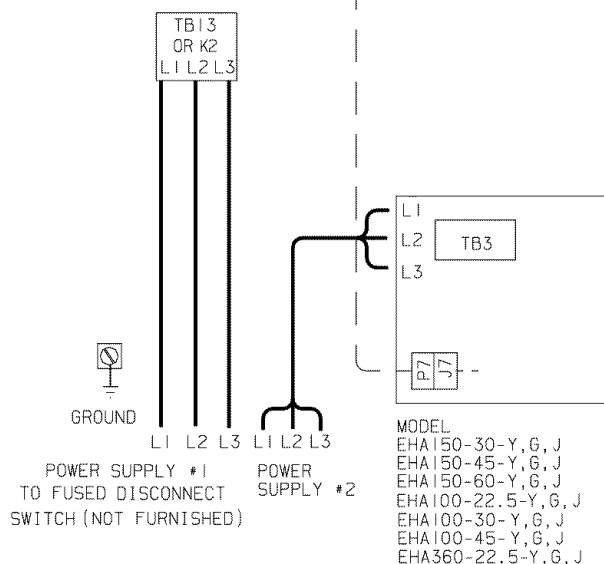
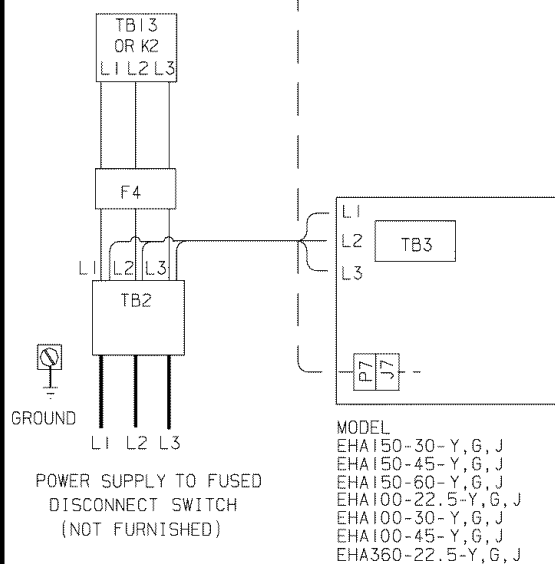
- CB10-Circuit Breaker
- F4- Unit Fuse Block
- K2- Contactor (wire to K2 only when unit does not contain TB13)
- S48- Disconnect
- TB2- Unit Terminal Block
- TB3- Electric Heat Terminal Block



SINGLE POWER SUPPLY WITH CB10/S48 - NO TB13

FIGURE 4

LC/LH UNITS AND TC/TH090-150 UNITS



SINGLE POWER SUPPLY - NO CB10/S48

MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breakers

F4- Unit Fuse Block

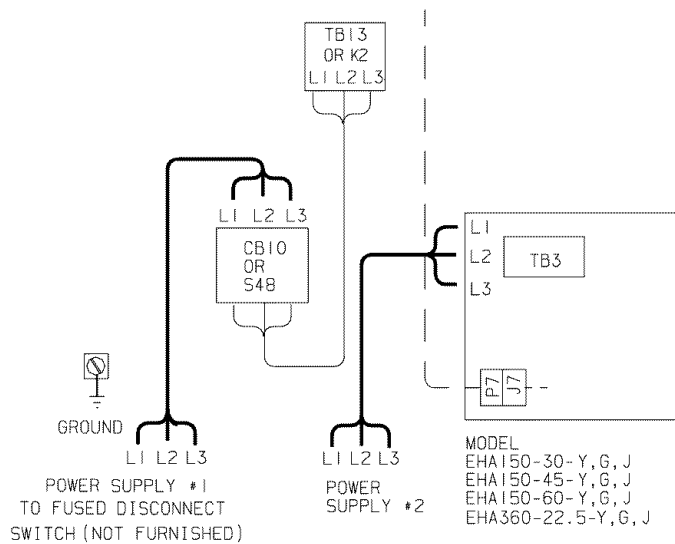
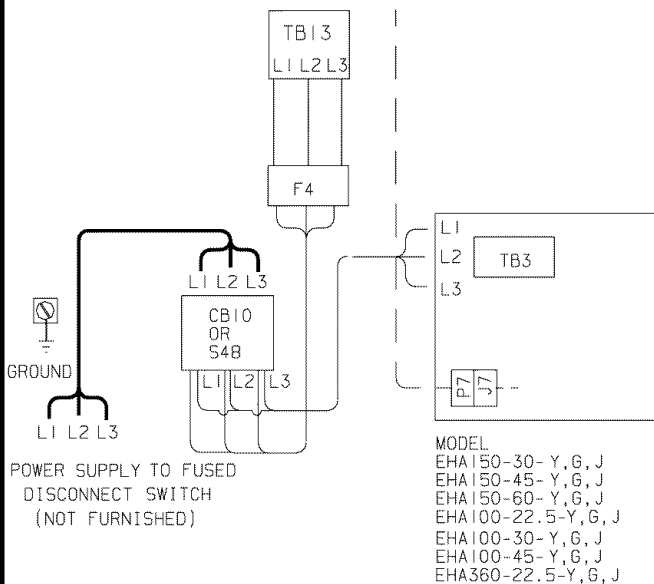
K2- Contactor; (wire to K2 only when unit does not contain TB13)

S48- Disconnect

TB2- Unit Terminal Block

TB3- Electric Heat Terminal Block

TB13-Unit Terminal Block

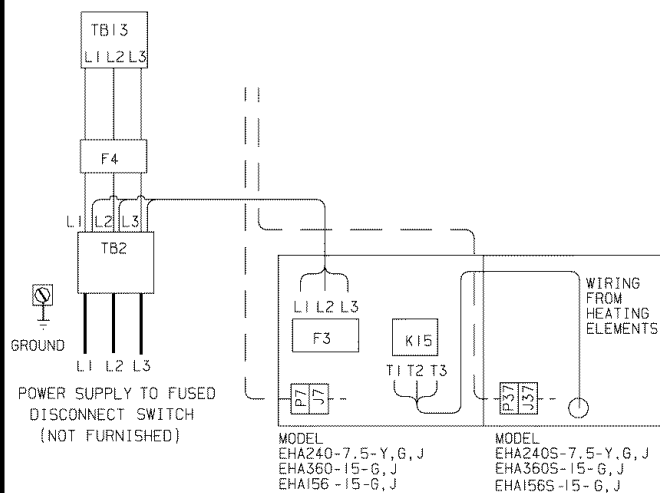


SINGLE POWER SUPPLY WITH CB10/S48

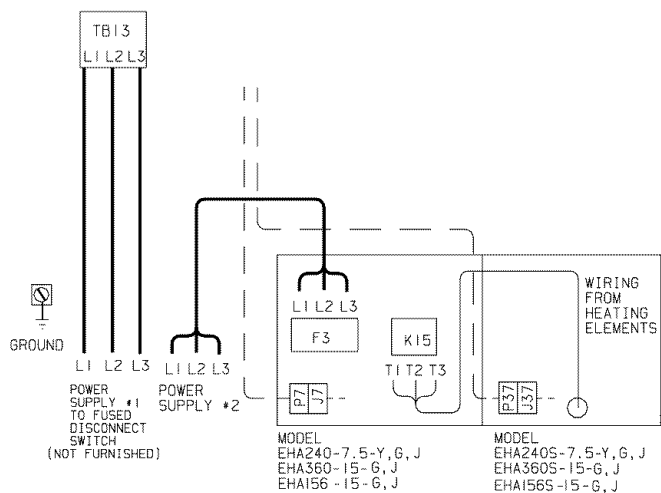
MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 5

LC/LH 180-360 UNITS

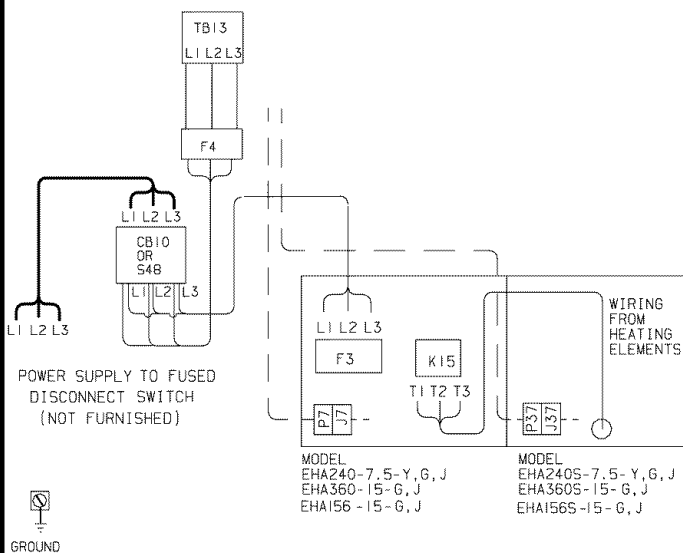


SINGLE POWER SUPPLY - NO CB10/S48

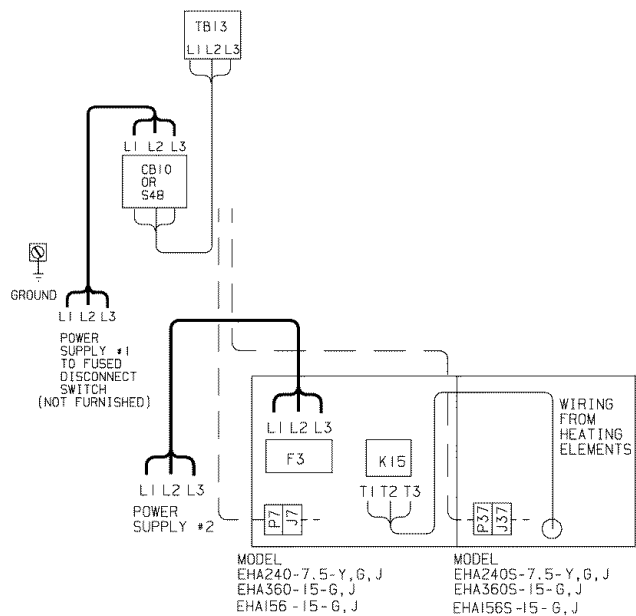


MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breaker
F3- Electric Heat Fuse Block
F4- Unit Fuse Block
S48- Disconnect
TB2- Unit Terminal Block
TB13-Unit Terminal Block



SINGLE POWER SUPPLY WITH CB10/S48



MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 6

Diagram illustrating the wiring for the EHA360S-15-Y and EHA156S-15-Y models.

The diagram shows a power supply connection to a fused disconnect switch (F4) and a terminal block (TB13). The switch is connected to a terminal block (TB2) which feeds into a terminal block (TB3). The terminal block (TB3) is connected to a terminal block (F3) and a terminal block (K15). The terminal block (K15) is connected to a terminal block (T1, T2, T3). The terminal block (T1, T2, T3) is connected to a terminal block (P37, J37). The terminal block (P37, J37) is connected to a terminal block (P37, J37). The terminal block (P37, J37) is connected to a terminal block (P37, J37).

Labels and components shown:

- GROUND
- L1 L2 L3
- POWER SUPPLY TO FUSED DISCONNECT SWITCH (NOT FURNISHED)
- TB13
- F4
- TB2
- TB3
- F3
- K15
- T1 T2 T3
- P37 J37
- WIRING FROM HEATING ELEMENT

Model numbers listed:

- MODEL EHA360-15-Y
- MODEL EHA156-15-Y
- MODEL EHA360S-15-Y
- MODEL EHA156S-15-Y

Diagram illustrating the wiring for the EHA360-15-Y and EHA360S-15-Y models.

The diagram shows two power supply inputs, L1, L2, and L3, connected to a terminal block TB13. A ground symbol is shown.

The main unit contains a terminal block TB3, a fuse F3, a switch K15, and a heating element T1, T2, T3.

A wiring diagram for the heating element is shown on the right, with a note "WIRING FROM HEATING ELEMENT".

MODEL EHA360-15-Y
EHA156-15-Y

MODEL EHA360S-15-Y
EHA156S-15-Y

POWER SUPPLY #1 TO FUSED DISCONNECT SWITCH (NOT FURNISHED)

POWER SUPPLY #2

TB13-Unit Terminal Block

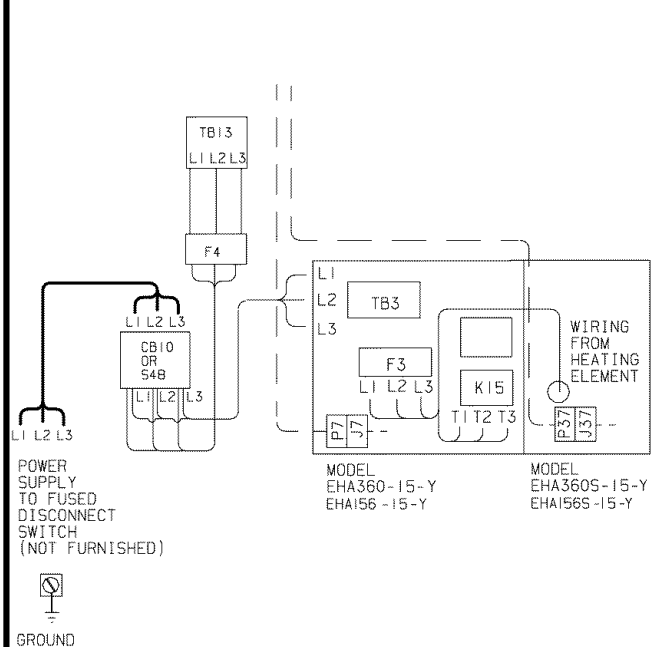


Diagram illustrating the wiring for the EHA360S-15-Y and EHA365S-15-Y units.

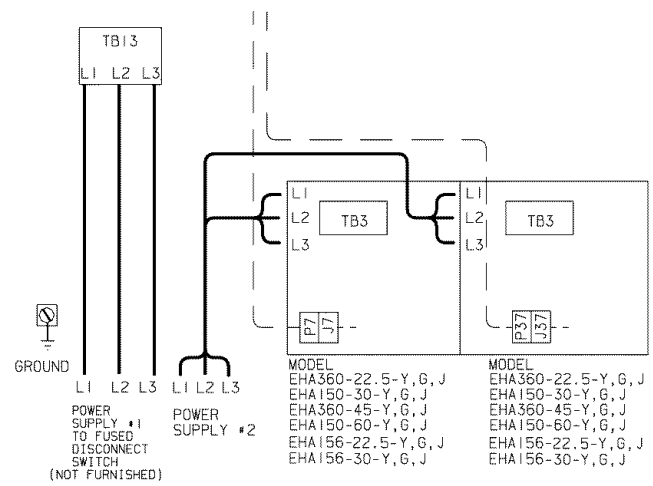
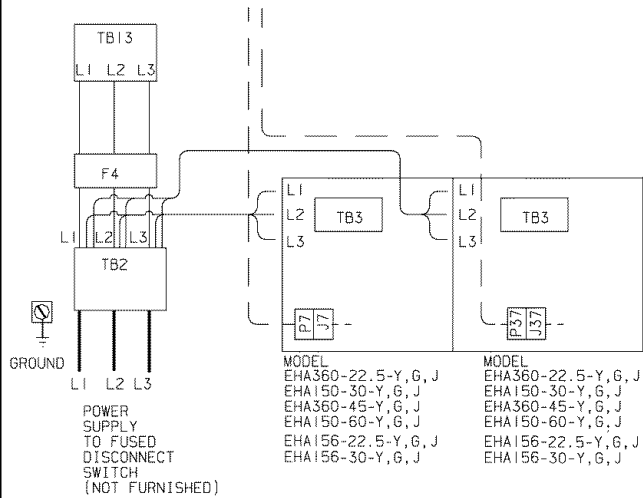
The diagram shows a three-phase power supply (L1, L2, L3) connected to a terminal block (TB13). The power supply is grounded. The unit is shown with internal components including a terminal block (TB3), a fuse (F3), a contactor (K15), and a heating element. The wiring is labeled with L1, L2, L3, T1, T2, T3, P7, J7, P37, and J37.

Labels for the units:

- MODEL EHA360-15-Y
- MODEL EHA365S-15-Y

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LC/LH 180-360 UNITS



SINGLE POWER SUPPLY - NO CB10/S48

MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breakers

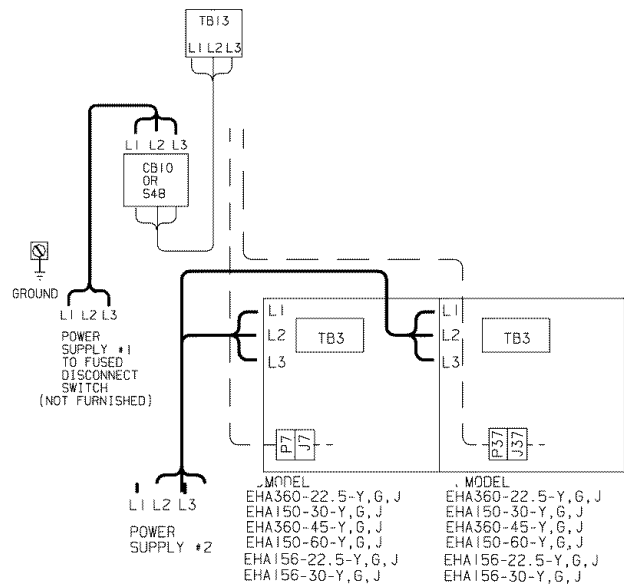
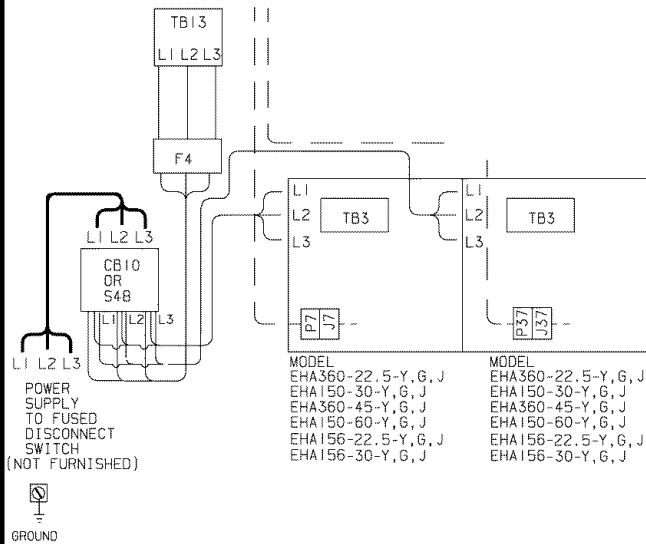
F4- Unit Fuse Block

S48- Disconnect

TB2- Unit Terminal Block

TB3- Electric Heat Terminal Block

TB13-Unit Terminal Block

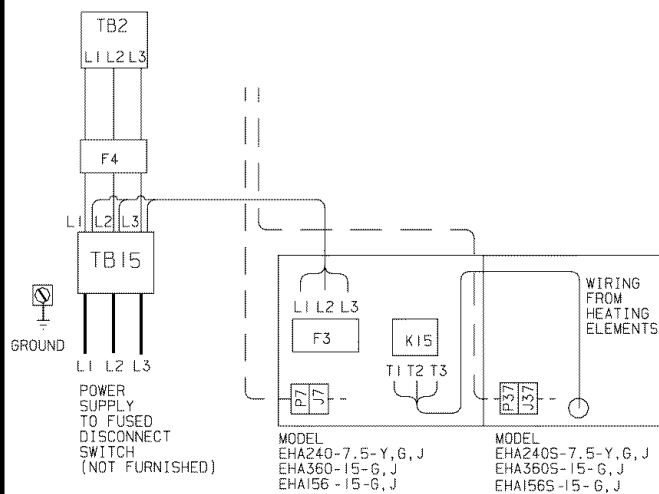


SINGLE POWER SUPPLY WITH CB10/S48

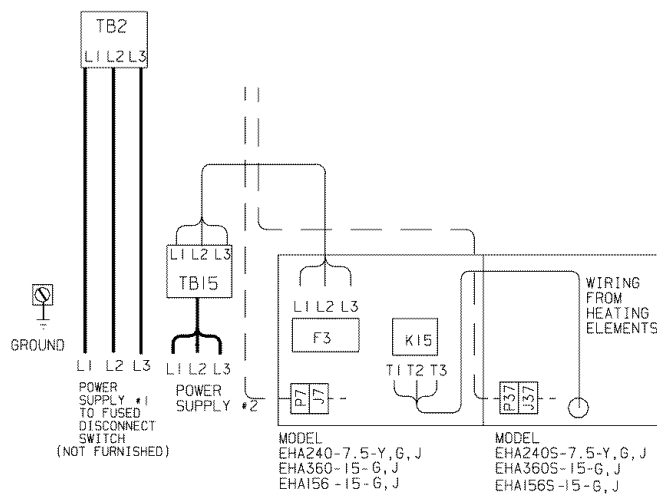
MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 8

TC/TH 180-300S UNITS

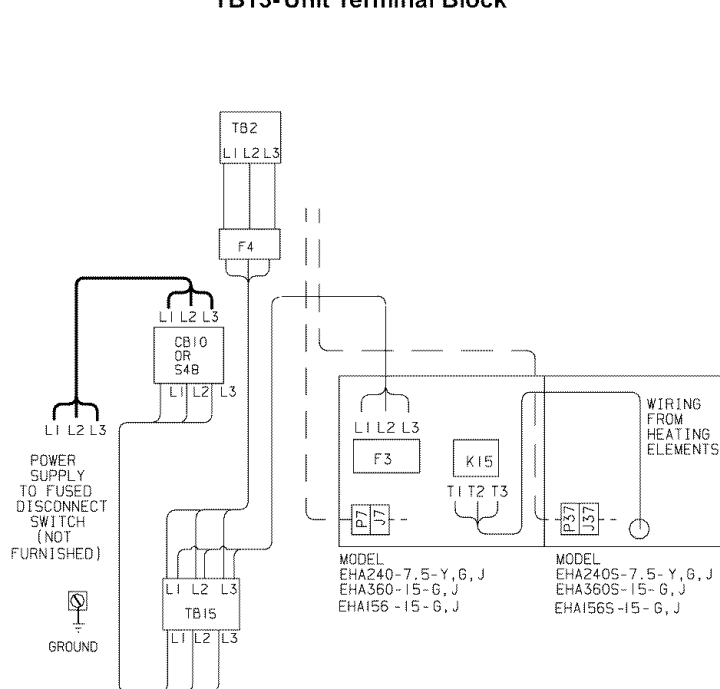


SINGLE POWER SUPPLY - NO CB10/S48

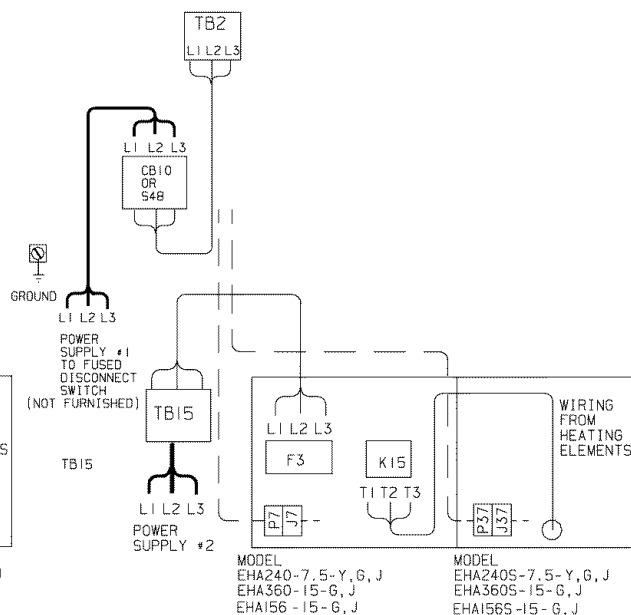


MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breaker
F3- Electric Heat Fuse Block
F4- Unit Fuse Block
S48- Disconnect
TB2- Unit Terminal Block
TB13-Unit Terminal Block



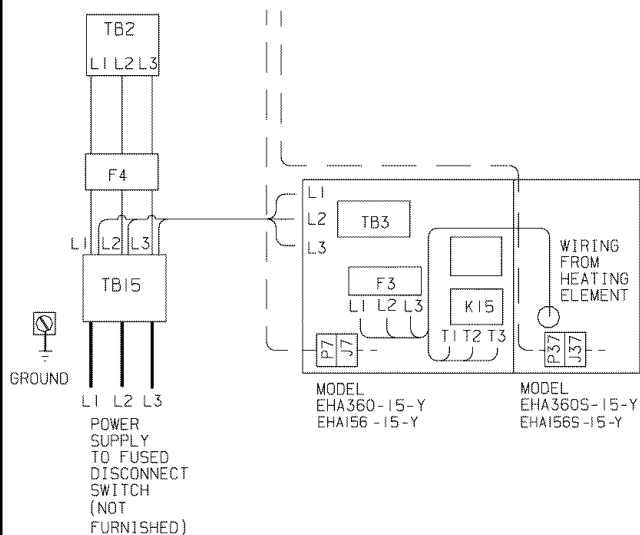
SINGLE POWER SUPPLY WITH CB10/S48



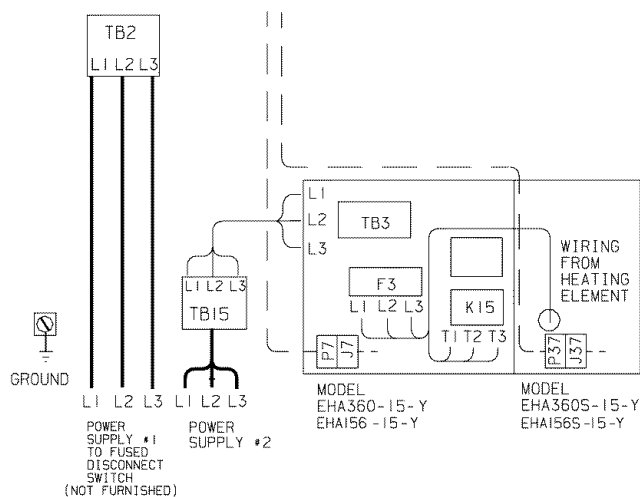
MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 9

TC/TH 180-300S UNITS



SINGLE POWER SUPPLY - NO CB10/S48



MULTIPLE POWER SUPPLY - NO CB10/S48

CB10-Circuit Breakers

F3- Electric Heat Fuse Block

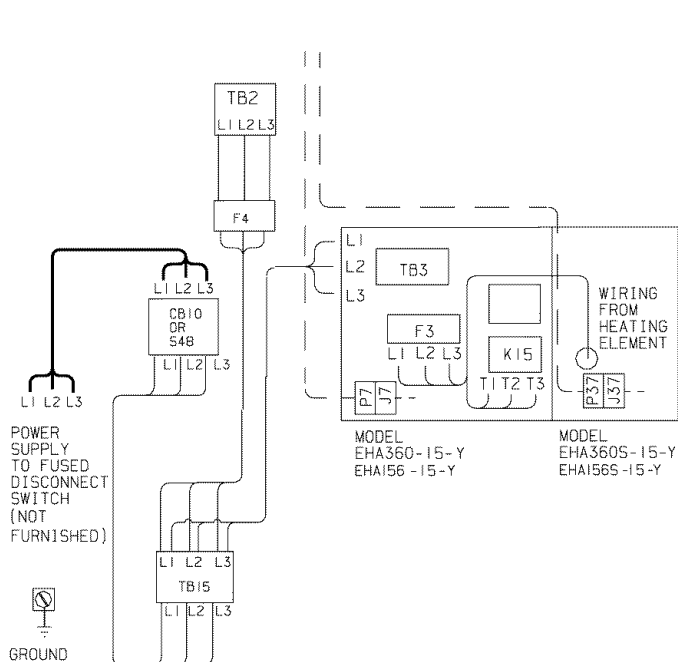
F4- Unit Fuse Block

S48- Disconnect

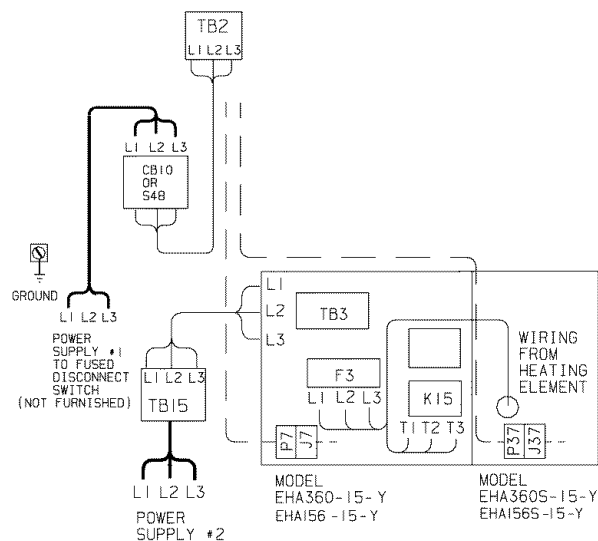
TB2- Unit Terminal Block

TB3- Electric Heat Terminal Block

TB13-Unit Terminal Block



SINGLE POWER SUPPLY WITH CB10/S48



MULTIPLE POWER SUPPLY WITH CB10/S48

FIGURE 10

[illegible]

MULTIPLE POWER SUPPLY - NO CB10/S48

TB13-Unit Terminal Block

The diagram illustrates the wiring for two units, each with a terminal block (TB3) and a power supply (PS7/J37). The units are connected to a common power supply (PS10/S48) and a ground. The diagram includes labels for power supply #1, power supply #2, and ground. The units are labeled with model numbers: EHA360-22.5-Y,G,J; EHA150-30-Y,G,J; EHA360-45-Y,G,J; EHA150-60-Y,G,J; EHA156-22.5-Y,G,J; and EHA156-30-Y,G,J.

Power Supply #1: PS10 OR S48

Power Supply #2: PS7 J37

Ground: GROUND

Terminal Blocks: TB2, TB3, TB15

Wiring: The diagram shows the connection of power supply #1 to the units via terminal block TB2. Power supply #2 is connected to the units via terminal block TB15. The ground connection is shown at the bottom left.

MULTIPLE POWER SUPPLY WITH CB10/S48

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TABLE 2
PACKAGED COOLING AND HEAT PUMP 090, 102, 120, 150 BLOWER PERFORMANCE

Air Volume cfm (L/s)	Total Static Pressure - in. w.g. (Pa)													
	.20 (50)	.40 (100)	.60 (150)	.80 (200)	1.00 (250)	1.20 (300)	1.40 (350)	1.60 (400)	1.80 (450)	2.00 (495)	2.20 (545)	2.40 (595)	2.60 (645)	
	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	
2250 (1060)	455 0.30 (0.22)	555 0.45 (0.34)	640 0.60 (0.45)	720 0.80 (0.60)	790 1.00 (0.75)	855 1.20 (0.90)	915 1.40 (1.04)	975 1.60 (1.19)	1030 1.85 (1.38)	1080 2.05 (1.53)	1130 2.30 (1.72)	1175 2.55 (1.90)	1220 2.80 (2.09)	
2500 (1180)	475 0.40 (0.30)	575 0.55 (0.41)	660 0.70 (0.52)	735 0.90 (0.67)	805 1.10 (0.82)	870 1.30 (0.97)	930 1.55 (1.16)	985 1.75 (1.31)	1040 2.00 (1.49)	1090 2.25 (1.68)	1140 2.50 (1.87)	1185 2.75 (2.05)	1230 3.00 (2.24)	
2750 (1300)	495 0.45 (0.34)	595 0.65 (0.48)	675 0.85 (0.63)	750 1.05 (0.78)	820 1.25 (0.93)	885 1.45 (1.08)	940 1.70 (1.27)	995 1.90 (1.42)	1050 2.20 (1.64)	1100 2.45 (1.83)	1145 2.65 (1.98)	1195 2.95 (2.20)	1240 3.25 (2.42)	
3000 (1415)	525 0.55 (0.41)	615 0.75 (0.56)	695 0.95 (0.71)	770 1.20 (0.90)	835 1.40 (1.04)	895 1.60 (1.19)	955 1.85 (1.38)	1010 2.10 (1.57)	1060 2.35 (1.75)	1110 2.65 (1.98)	1160 2.90 (2.16)	1205 3.20 (2.39)	1250 3.45 (2.57)	
3250 (1535)	550 0.65 (0.48)	640 0.90 (0.67)	715 1.10 (0.82)	790 1.35 (1.01)	855 1.60 (1.19)	915 1.80 (1.34)	970 2.05 (1.53)	1025 2.35 (1.75)	1075 2.60 (1.94)	1125 2.85 (2.13)	1170 3.15 (2.35)	1215 3.40 (2.54)	1260 3.70 (2.76)	
3500 (1650)	580 0.80 (0.60)	665 1.05 (0.78)	740 1.25 (0.93)	810 1.50 (1.12)	870 1.75 (1.31)	930 2.00 (1.49)	985 2.25 (1.68)	1040 2.55 (1.90)	1090 2.85 (2.13)	1135 3.10 (2.31)	1185 3.40 (2.54)	1230 3.70 (2.76)	1270 4.00 (2.98)	
3750 (1770)	605 0.95 (0.71)	690 1.20 (0.90)	760 1.45 (1.08)	830 1.70 (1.27)	890 1.95 (1.45)	950 2.25 (1.68)	1005 2.50 (1.87)	1055 2.80 (2.09)	1105 3.10 (2.31)	1150 3.35 (2.50)	1195 3.65 (2.72)	1240 3.95 (2.95)	1285 4.30 (3.21)	
4000 (1890)	635 1.10 (0.82)	715 1.40 (1.04)	785 1.65 (1.23)	850 1.90 (1.42)	910 2.20 (1.64)	965 2.45 (1.83)	1020 2.75 (2.05)	1070 3.05 (2.28)	1120 3.35 (2.50)	1165 3.65 (2.72)	1210 3.95 (2.95)	1255 4.30 (3.21)	1295 4.60 (3.43)	
4250 (2005)	665 1.30 (0.97)	740 1.60 (1.19)	810 1.85 (1.38)	870 2.15 (1.60)	930 2.45 (1.83)	985 2.75 (2.05)	1040 3.05 (2.28)	1090 3.35 (2.50)	1135 3.65 (2.72)	1185 4.00 (2.98)	1225 4.30 (3.21)	1270 4.65 (3.47)	1310 4.95 (3.69)	
4500 (2125)	695 1.50 (1.12)	770 1.80 (1.34)	835 2.10 (1.57)	895 2.40 (1.79)	955 2.70 (2.01)	1005 3.00 (2.24)	1060 3.35 (2.50)	1105 3.65 (2.72)	1155 4.00 (2.98)	1200 4.30 (3.21)	1245 4.65 (3.47)	1285 5.00 (3.73)	1325 5.30 (3.95)	
4750 (2240)	725 1.75 (1.31)	795 2.05 (1.53)	860 2.40 (1.79)	920 2.70 (2.01)	975 3.00 (2.24)	1030 3.35 (2.50)	1080 3.65 (2.72)	1125 3.95 (2.95)	1175 4.35 (3.25)	1215 4.65 (3.47)	1260 5.00 (3.73)	1300 5.35 (3.99)	1340 5.70 (4.25)	
5000 (2360)	760 2.05 (1.53)	825 2.35 (1.75)	885 2.65 (1.98)	945 3.00 (2.24)	1000 3.35 (2.50)	1050 3.65 (2.72)	1100 4.00 (2.98)	1145 4.35 (3.25)	1190 4.70 (3.51)	1235 5.05 (3.77)	1280 5.45 (4.07)	----	----	
5250 (2475)	790 2.30 (1.72)	855 2.65 (1.98)	910 2.95 (2.20)	970 3.35 (2.50)	1020 3.65 (2.72)	1070 4.00 (2.98)	1120 4.35 (3.25)	1165 4.70 (3.51)	1210 5.10 (3.80)	1255 5.45 (4.07)	----	----	----	
5500 (2595)	820 2.60 (1.94)	880 2.95 (2.20)	940 3.30 (2.46)	995 3.70 (2.76)	1045 4.05 (3.02)	1095 4.40 (3.28)	1145 4.80 (3.58)	1190 5.15 (3.84)	1230 5.50 (4.10)	----	----	----	----	
5750 (2715)	850 2.95 (2.20)	910 3.30 (2.46)	965 3.70 (2.76)	1020 4.05 (3.02)	1070 4.45 (3.32)	1120 4.80 (3.58)	1165 5.20 (3.88)	1210 5.60 (4.18)	----	----	----	----	----	
6000 (2830)	885 3.35 (2.50)	940 3.70 (2.76)	995 4.10 (3.06)	1045 4.45 (3.32)	1095 4.85 (3.62)	1145 5.25 (3.92)	1190 5.65 (4.21)	----	----	----	----	----	----	

- 090 & 102 models require 3000 cfm (1415 L/s) minimum air with electric heat.
- 120 & 150 models require 4000 cfm (1225 L/s) minimum air with electric heat.

**TABLE 3
LCE120 ONLY BLOWER PERFORMANCE**

Air Volume cfm (L/s)	RPM & Motor Output	TOTAL STATIC PRESSURE EXTERNAL TO UNIT — inches water gauge (Pa)									
		0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)	0.9(225)	1.0 (250)
3000 (1415)	RPM	475	515	550	590	625	665	700	740	775	810
	BHP	0.60	0.70	0.75	0.85	0.95	1.10	1.20	1.35	1.50	1.65
	kW	0.5	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.2
3200 (1510)	RPM	490	530	565	605	640	675	715	750	785	820
	BHP	0.65	0.75	0.85	1.00	1.10	1.20	1.35	1.50	1.65	1.80
	kW	0.5	0.6	0.6	0.8	0.8	0.9	1.0	1.1	1.2	1.3
3400 (1605)	RPM	510	545	580	615	655	690	725	760	795	830
	BHP	0.80	0.85	1.00	1.10	1.20	1.35	1.50	1.65	1.80	1.95
	kW	0.6	0.6	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.5
3600 (1700)	RPM	525	560	595	630	670	705	740	775	805	840
	BHP	0.90	1.00	1.10	1.20	1.35	1.50	1.65	1.80	1.95	2.10
	kW	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6
3800 (1795)	RPM	545	580	615	650	685	720	755	785	820	850
	BHP	1.00	1.10	1.25	1.35	1.50	1.65	1.80	1.95	2.10	2.25
	kW	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7
4000 (1890)	RPM	565	595	630	665	700	735	770	800	830	865
	BHP	1.15	1.25	1.40	1.50	1.65	1.80	2.00	2.15	2.30	2.50
	kW	0.9	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.9
4200 (1980)	RPM	580	615	650	685	715	750	785	815	845	875
	BHP	1.30	1.40	1.55	1.70	1.85	2.00	2.15	2.35	2.50	2.65
	kW	1.0	1.0	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0
4400 (2075)	RPM	605	635	670	700	735	770	800	830	860	890
	BHP	1.45	1.60	1.75	1.85	2.05	2.20	2.35	2.55	2.70	2.90
	kW	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.2
4600 (2170)	RPM	625	655	690	720	755	785	815	845	875	905
	BHP	1.65	1.75	1.95	2.10	2.25	2.40	2.60	2.75	2.95	3.15
	kW	1.2	1.3	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3
4800 (2265)	RPM	645	680	710	740	775	805	835	865	890	920
	BHP	1.85	2.00	2.15	2.30	2.50	2.65	2.85	3.05	3.20	3.40
	kW	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.5
5000 (2360)	RPM	670	700	730	765	795	825	850	880	910	935
	BHP	2.05	2.20	2.35	2.55	2.75	2.90	3.10	3.30	3.50	3.65
	kW	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7

NOTES: 1-All data is measured external to the unit cabinet with electric heat, dry coil, 2 in. (51 mm) filters in place, and roof mounting frame.
2-4000 cfm (1890 L/s) minimum air with electric heat.

TABLE 4
PACKAGED COOLING AND HEAT PUMP 156, 180, 210, 240, 300S BLOWER PERFORMANCE

Air Volume cfm (L/s)	TOTAL STATIC PRESSURE — Inches Water Gauge (Pa)											
	.40 (100)	.60 (150)	.80 (200)	1.00 (250)	1.20 (300)	1.40 (350)	1.60 (400)	1.80 (450)	2.00 (495)	2.20 (545)	2.40 (595)	2.60 (645)
	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)
4000 (1890)	545 0.85 (0.63)	635 1.10 (0.82)	715 1.40 (1.04)	785 1.70 (1.27)	850 2.00 (1.49)	910 2.30 (1.72)	965 2.60 (1.94)	1020 2.90 (2.16)	1070 3.25 (2.42)	1115 3.55 (2.65)	1160 3.85 (2.87)	1205 4.15 (3.10)
4250 (2005)	555 0.90 (0.67)	645 1.25 (0.93)	725 1.55 (1.16)	795 1.85 (1.38)	855 2.15 (1.60)	915 2.45 (1.83)	970 2.80 (2.09)	1025 3.10 (2.31)	1075 3.45 (2.57)	1120 3.75 (2.80)	1165 4.10 (3.06)	1210 4.45 (3.32)
4500 (2125)	565 1.00 (0.75)	655 1.35 (1.01)	730 1.65 (1.23)	800 2.00 (1.49)	865 2.35 (1.75)	925 2.65 (1.98)	980 3.00 (2.24)	1030 3.30 (2.46)	1080 3.65 (2.72)	1130 4.05 (3.02)	1175 4.35 (3.25)	1215 4.70 (3.51)
4750 (2240)	575 1.10 (0.82)	660 1.45 (1.08)	740 1.80 (1.34)	810 2.15 (1.60)	870 2.50 (1.87)	930 2.85 (2.13)	985 3.20 (2.39)	1040 3.55 (2.65)	1085 3.90 (2.91)	1135 4.25 (3.17)	1180 4.65 (3.47)	1225 5.00 (3.73)
5000 (2360)	585 1.25 (0.93)	670 1.60 (1.19)	750 1.95 (1.45)	815 2.30 (1.72)	880 2.70 (2.01)	940 3.05 (2.28)	995 3.40 (2.54)	1045 3.80 (2.83)	1095 4.15 (3.10)	1140 4.50 (3.36)	1185 4.90 (3.66)	1230 5.30 (3.95)
5250 (2475)	595 1.35 (1.01)	680 1.70 (1.27)	755 2.10 (1.57)	825 2.50 (1.87)	890 2.90 (2.16)	945 3.25 (2.42)	1000 3.65 (2.72)	1050 4.00 (2.98)	1100 4.40 (3.28)	1150 4.80 (3.58)	1195 5.20 (3.88)	1235 5.60 (4.18)
5500 (2595)	605 1.45 (1.08)	690 1.85 (1.38)	765 2.25 (1.68)	835 2.65 (1.98)	895 3.05 (2.28)	955 3.45 (2.57)	1010 3.85 (2.87)	1060 4.25 (3.17)	1110 4.70 (3.51)	1155 5.10 (3.80)	1200 5.50 (4.10)	1240 5.90 (4.40)
5750 (2715)	615 1.60 (1.19)	700 2.00 (1.49)	775 2.45 (1.83)	840 2.85 (2.13)	905 3.25 (2.42)	960 3.65 (2.72)	1015 4.10 (3.06)	1065 4.50 (3.36)	1115 4.95 (3.69)	1160 5.35 (3.99)	1205 5.80 (4.33)	1250 6.25 (4.66)
6000 (2830)	630 1.75 (1.31)	710 2.15 (1.60)	785 2.60 (1.94)	850 3.05 (2.28)	910 3.45 (2.57)	970 3.90 (2.91)	1025 4.35 (3.25)	1075 4.80 (3.58)	1120 5.20 (3.88)	1170 5.65 (4.21)	1215 6.10 (4.55)	1255 6.55 (4.89)
6250 (2950)	640 1.90 (1.42)	720 2.35 (1.75)	795 2.80 (2.09)	860 3.25 (2.42)	920 3.70 (2.76)	975 4.15 (3.10)	1030 4.60 (3.43)	1080 5.05 (3.77)	1130 5.50 (4.10)	1175 5.95 (4.44)	1220 6.45 (4.81)	1265 6.90 (5.15)
6500 (3065)	650 2.05 (1.53)	730 2.50 (1.87)	805 3.00 (2.24)	870 3.45 (2.57)	930 3.95 (2.95)	985 4.40 (3.28)	1040 4.85 (3.62)	1090 5.35 (3.99)	1140 5.85 (4.36)	1185 6.30 (4.70)	1225 6.75 (5.04)	1270 7.25 (5.41)
6750 (3185)	665 2.20 (1.64)	745 2.70 (2.01)	815 3.20 (2.39)	880 3.70 (2.76)	940 4.20 (3.13)	995 4.65 (3.47)	1045 5.10 (3.80)	1095 5.60 (4.18)	1145 6.10 (4.55)	1190 6.60 (4.92)	1235 7.10 (5.30)	1275 7.60 (5.67)
7000 (3305)	675 2.35 (1.75)	755 2.90 (2.16)	825 3.40 (2.54)	890 3.95 (2.95)	950 4.45 (3.32)	1005 4.95 (3.69)	1055 5.40 (4.03)	1105 5.95 (4.44)	1155 6.45 (4.81)	1200 6.95 (5.18)	1240 7.45 (5.56)	1285 8.00 (5.97)
7250 (3420)	690 2.60 (1.94)	765 3.10 (2.31)	835 3.65 (2.72)	900 4.15 (3.10)	955 4.65 (3.47)	1015 5.25 (3.92)	1065 5.75 (4.29)	1115 6.25 (4.66)	1160 6.75 (5.04)	1205 7.30 (5.45)	1250 7.85 (5.86)	1290 8.35 (6.23)
7500 (3540)	700 2.75 (2.05)	775 3.30 (2.46)	845 3.85 (2.87)	910 4.45 (3.32)	965 4.95 (3.69)	1020 5.50 (4.10)	1075 6.05 (4.51)	1125 6.60 (4.92)	1170 7.15 (5.33)	1215 7.65 (5.71)	1260 8.25 (6.15)	1300 8.75 (6.53)
7750 (3655)	715 3.00 (2.24)	790 3.55 (2.65)	855 4.10 (3.06)	920 4.70 (3.51)	975 5.25 (3.92)	1030 5.80 (4.33)	1080 6.35 (4.74)	1130 6.90 (5.15)	1180 7.50 (5.60)	1225 8.05 (6.01)	1265 8.60 (6.42)	1305 9.15 (6.83)
8000 (3775)	725 3.20 (2.39)	800 3.80 (2.83)	865 4.35 (3.25)	930 4.95 (3.69)	985 5.50 (4.10)	1040 6.10 (4.55)	1090 6.70 (5.00)	1140 7.25 (5.41)	1185 7.85 (5.86)	1230 8.40 (6.27)	1275 9.00 (6.71)	1315 9.60 (7.16)
8250 (3895)	740 3.40 (2.54)	810 4.00 (2.98)	880 4.65 (3.47)	940 5.25 (3.92)	995 5.85 (4.36)	1050 6.45 (4.81)	1100 7.05 (5.26)	1150 7.65 (5.71)	1195 8.25 (6.15)	1240 8.85 (6.60)	1280 9.40 (7.01)	1325 10.05 (7.50)
8500 (4010)	750 3.65 (2.72)	825 4.30 (3.21)	890 4.90 (3.66)	950 5.55 (4.14)	1005 6.15 (4.59)	1060 6.80 (5.07)	1110 7.40 (5.52)	1160 8.05 (6.01)	1205 8.65 (6.45)	1250 9.25 (6.90)	1290 9.85 (7.35)	1330 10.45 (7.80)
8750 (4130)	765 3.90 (2.91)	835 4.55 (3.39)	900 5.20 (3.88)	960 5.85 (4.36)	1015 6.45 (4.81)	1070 7.15 (5.33)	1120 7.75 (5.78)	1165 8.35 (6.23)	1215 9.05 (6.75)	1255 9.65 (7.20)	1300 10.30 (7.68)	1340 10.90 (8.13)
9000 (4245)	780 4.20 (3.13)	850 4.85 (3.62)	910 5.50 (4.10)	970 6.15 (4.59)	1025 6.80 (5.07)	1080 7.50 (5.60)	1130 8.15 (6.08)	1175 8.75 (6.53)	1220 9.40 (7.01)	1265 10.10 (7.53)	1310 10.80 (8.06)	1350 11.40 (8.50)
9250 (4365)	790 4.45 (3.32)	860 5.15 (3.84)	925 5.85 (4.36)	985 6.55 (4.89)	1040 7.20 (5.37)	1090 7.85 (5.86)	1140 8.55 (6.38)	1185 9.20 (6.86)	1230 9.85 (7.35)	1275 10.55 (7.87)	1315 11.20 (8.36)	---
9500 (4485)	805 4.75 (3.54)	875 5.45 (4.07)	935 6.15 (4.59)	995 6.90 (5.15)	1050 7.60 (5.67)	1100 8.25 (6.15)	1150 8.95 (6.68)	1195 9.60 (7.16)	1240 10.30 (7.68)	1285 11.05 (8.24)	---	---
9750 (4600)	820 5.05 (3.77)	885 5.75 (4.29)	950 6.55 (4.89)	1005 7.20 (5.37)	1060 7.95 (5.93)	1110 8.65 (6.45)	1160 9.40 (7.01)	1205 10.05 (7.50)	1250 10.80 (8.06)	1295 11.50 (8.58)	---	---
10000 (4720)	835 5.40 (4.03)	900 6.15 (4.59)	960 6.85 (5.11)	1015 7.60 (5.67)	1070 8.35 (6.23)	1120 9.05 (6.75)	1170 9.80 (7.31)	1215 10.50 (7.83)	1260 11.25 (8.39)	---	---	---
10250 (4835)	845 5.65 (4.21)	910 6.45 (4.81)	970 7.20 (5.37)	1030 8.00 (5.97)	1080 8.75 (6.53)	1135 9.55 (7.12)	1180 10.25 (7.65)	1225 11.00 (8.21)	---	---	---	---
10500 (4955)	860 6.00 (4.48)	925 6.85 (5.11)	985 7.65 (5.71)	1040 8.40 (6.27)	1095 9.20 (6.86)	1145 10.00 (7.46)	1190 10.70 (7.98)	1235 11.45 (8.54)	---	---	---	---
10750 (5075)	875 6.40 (4.77)	940 7.25 (5.41)	1000 8.05 (6.01)	1055 8.85 (6.60)	1105 9.65 (7.20)	1155 10.45 (7.80)	1200 11.20 (8.36)	---	---	---	---	---
11000 (5190)	890 6.80 (5.07)	950 7.60 (5.67)	1010 8.45 (6.30)	1065 9.30 (6.94)	1115 10.05 (7.50)	1165 10.90 (8.13)	---	---	---	---	---	---

- 156H units require 5200 cfm (2455 L/s) minimum air with electric heat.
- All other packaged cooling units require 6000 cfm (2830 L/s) minimum air with electric heat.
- Packaged heat pump units with 15, 22.5, 30 or 45 kW electric heat require 6400 cfm (3020 L/s) minimum air.
- Packaged heat pump units with 60 or 90 kW electric heat require 7000 cfm (3305 L/s) minimum air.

TABLE 5
LCE240 ONLY BLOWER PERFORMANCE

Air Volume cfm (L/s)	RPM & Motor Output	TOTAL STATIC PRESSURE EXTERNAL TO UNIT — inches water gauge (Pa)											
		0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)	0.9 (225)	1.0 (250)	1.1 (275)	1.2 (300)
6000 (2830)	RPM	480	520	560	600	640	675	715	750	785	815	850	880
	BHP	1.15	1.30	1.45	1.60	1.75	1.95	2.15	2.30	2.50	2.70	2.90	3.10
	kW	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.2	2.3
6400 (3020)	RPM	510	545	580	620	655	690	725	760	795	825	860	890
	BHP	1.40	1.55	1.70	1.85	2.00	2.20	2.35	2.55	2.80	2.95	3.20	3.40
	kW	1.0	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.4	2.5
6600 (3115)	RPM	525	560	595	630	665	700	735	770	800	835	865	895
	BHP	1.55	1.70	1.85	2.00	2.15	2.35	2.55	2.75	2.90	3.15	3.35	3.60
	kW	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.7
6800 (3210)	RPM	535	570	605	640	675	710	740	775	810	840	870	900
	BHP	1.65	1.80	1.95	2.15	2.30	2.50	2.65	2.85	3.10	3.30	3.50	3.75
	kW	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.1	2.3	2.5	2.6	2.8
7000 (3310)	RPM	550	585	615	650	685	720	750	785	815	845	875	905
	BHP	1.80	1.95	2.10	2.25	2.45	2.65	2.85	3.05	3.25	3.45	3.70	3.90
	kW	1.3	1.5	1.6	2.7	1.8	2.0	2.1	2.3	2.4	2.6	2.8	2.9
7200 (3400)	RPM	565	595	630	660	695	725	760	790	820	855	885	910
	BHP	1.95	2.10	2.25	2.45	2.60	2.80	3.00	3.20	3.40	3.65	3.90	4.10
	kW	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.9	3.1
7400 (3490)	RPM	580	610	640	675	705	735	770	800	830	860	890	920
	BHP	2.15	2.30	2.45	2.60	2.80	2.95	3.20	3.40	3.60	3.85	4.05	4.30
	kW	1.6	1.7	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.9	3.0	3.2
7600 (3585)	RPM	595	625	655	685	715	745	775	805	835	865	895	925
	BHP	2.30	2.45	2.60	2.80	2.95	3.15	3.35	3.55	3.80	4.00	4.25	4.50
	kW	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	3.0	3.2	3.4
7800 (3680)	RPM	605	635	665	695	725	755	785	815	845	875	905	930
	BHP	2.45	2.60	2.80	2.95	3.15	3.35	3.55	3.75	4.00	4.20	4.45	4.70
	kW	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3	3.5
8000 (3775)	RPM	620	650	680	705	735	765	795	825	855	880	910	940
	BHP	2.65	2.80	3.00	3.15	3.35	3.55	3.75	4.00	4.20	4.40	4.65	4.95
	kW	2.0	2.1	2.2	2.3	2.5	2.6	2.8	3.0	3.1	3.3	3.5	3.7
8200 (3870)	RPM	635	665	690	720	750	775	805	835	860	890	920	945
	BHP	2.85	3.05	3.20	3.40	3.60	3.75	3.95	4.20	4.40	4.65	4.90	5.15
	kW	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.5	3.7	3.8
8400 (3965)	RPM	650	675	705	730	760	785	815	845	870	900	925	955
	BHP	3.05	3.20	3.40	3.60	3.80	3.95	4.20	4.45	4.65	4.90	5.10	5.40
	kW	2.3	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.5	3.7	3.8	4.0
8600 (4060)	RPM	665	690	715	745	770	800	825	855	880	905	935	960
	BHP	3.30	3.45	3.60	3.80	4.00	4.25	4.45	4.65	4.90	5.10	5.40	5.60
	kW	2.5	2.6	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2
8800 (4155)	RPM	680	705	730	755	785	810	835	865	890	915	940	970
	BHP	3.50	3.70	3.85	4.05	4.25	4.45	4.65	4.90	5.15	5.35	5.60	5.90
	kW	2.6	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.2	4.4
9000 (4245)	RPM	690	715	745	770	795	820	845	875	900	925	950	975
	BHP	3.75	3.90	4.10	4.30	4.50	4.70	4.90	5.15	5.40	5.65	5.90	6.15
	kW	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.2	4.4	4.6
9200 (4340)	RPM	705	730	755	780	805	830	855	885	910	935	960	985
	BHP	4.00	4.15	4.35	4.55	4.75	4.95	5.15	5.45	5.65	5.90	6.15	6.40
	kW	3.0	3.1	3.2	3.4	3.5	3.7	3.8	4.1	4.2	4.4	4.6	4.8
9400 (4435)	RPM	720	745	770	795	820	845	870	895	920	945	970	995
	BHP	4.25	4.45	4.65	4.85	5.05	5.25	5.50	5.70	5.95	6.20	6.45	6.75
	kW	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.3	4.4	4.6	4.8	5.0
9600 (4530)	RPM	735	760	780	805	830	855	880	905	930	955	975	1000
	BHP	4.50	4.70	4.90	5.10	5.30	5.55	5.75	6.00	6.25	6.50	6.70	7.00
	kW	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.5	4.7	4.8	5.0	5.2
9800 (4625)	RPM	750	775	795	820	845	865	890	915	940	965	985	1010
	BHP	4.80	5.00	5.20	5.40	5.60	5.80	6.05	6.30	6.55	6.80	7.05	7.30
	kW	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.7	4.9	5.1	5.3	5.4
10000 (4720)	RPM	765	785	810	830	855	880	900	925	950	975	995	1020
	BHP	5.10	5.25	5.50	5.65	5.90	6.15	6.35	6.60	6.85	7.15	7.35	7.65
	kW	3.8	3.9	4.1	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.5	5.7

NOTES: 1-All data is measured external to the unit cabinet with electric heat, dry coil, 2 in. (51 mm) filters in place, and roof mounting frame.
2-6000 cfm (2830 L/s) minimum air with electric heat.

TABLE 6
PACKAGED COOLING 248, 300H, 360 BLOWER PERFORMANCE

Air Volume cfm (L/s)	TOTAL STATIC PRESSURE — Inches Water Gauge (Pa)													
	.20 (50)	.40 (100)	.60 (150)	.80 (200)	1.00 (250)	1.20 (300)	1.40 (350)	1.60 (400)	1.80 (450)	2.00 (495)	2.20 (545)	2.40 (595)	2.60 (645)	
	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	RPM BHP (kW)	
6000 (2830)	---	435 1.20 (0.90)	525 1.45 (1.08)	570 1.60 (1.19)	630 2.00 (1.49)	700 2.35 (1.75)	750 2.80 (2.09)	795 3.15 (2.35)	840 3.40 (2.54)	880 3.80 (2.83)	920 4.20 (3.13)	960 4.65 (3.47)	995 5.10 (3.80)	
6500 (3065)	---	445 1.30 (0.97)	530 1.60 (1.19)	580 1.80 (1.34)	640 2.20 (1.64)	705 2.60 (1.94)	755 3.05 (2.28)	800 3.40 (2.54)	845 3.70 (2.76)	885 4.15 (3.10)	925 4.60 (4.43)	965 5.00 (3.73)	1000 5.45 (4.07)	
7000 (3305)	---	455 1.40 (1.04)	535 1.75 (1.31)	590 2.05 (1.53)	650 2.45 (1.83)	710 2.85 (2.13)	760 3.30 (2.46)	805 3.70 (2.76)	850 4.05 (3.02)	890 4.50 (3.36)	930 4.95 (3.69)	970 5.40 (4.03)	1005 5.85 (4.36)	
7500 (3540)	380 1.05 (0.78)	465 1.50 (1.12)	540 1.90 (1.42)	600 2.30 (1.72)	660 2.70 (2.01)	715 3.15 (2.35)	765 3.60 (2.69)	810 4.00 (2.98)	855 4.45 (3.32)	895 4.90 (3.66)	935 5.35 (3.99)	975 5.85 (4.36)	1010 6.30 (4.70)	
8000 (3775)	390 1.25 (0.93)	475 1.65 (1.23)	545 2.10 (1.57)	610 2.55 (1.90)	665 2.95 (2.20)	720 3.45 (2.57)	770 3.90 (2.91)	815 4.35 (3.25)	860 4.85 (3.62)	900 5.30 (3.95)	940 5.75 (4.29)	980 6.30 (4.70)	1015 6.75 (5.04)	
8500 (4010)	405 1.40 (1.04)	485 1.90 (1.42)	555 2.35 (1.75)	620 2.80 (2.09)	675 3.30 (2.46)	725 3.75 (2.80)	775 4.20 (3.13)	820 4.70 (3.51)	865 5.20 (3.88)	905 5.70 (4.25)	945 6.20 (4.63)	985 6.75 (5.04)	1020 7.25 (5.41)	
9000 (4245)	415 1.60 (1.19)	495 2.10 (1.57)	565 2.60 (1.94)	625 3.10 (2.31)	685 3.60 (2.69)	735 4.10 (3.06)	785 4.60 (3.43)	830 5.10 (3.80)	870 5.60 (4.18)	915 6.15 (4.59)	955 6.70 (5.00)	990 7.20 (5.37)	1025 7.70 (5.74)	
9500 (4485)	430 1.85 (1.38)	505 2.35 (1.75)	575 2.90 (2.16)	635 3.40 (2.54)	690 3.90 (2.91)	745 4.50 (3.36)	790 4.95 (3.69)	835 5.50 (4.10)	880 6.05 (4.51)	920 6.60 (4.92)	960 7.15 (5.33)	995 7.70 (5.74)	1035 8.30 (6.19)	
10,000 (4720)	445 2.10 (1.57)	520 2.65 (1.98)	585 3.20 (2.39)	645 3.75 (2.80)	700 4.30 (3.21)	750 4.85 (6.49)	800 5.40 (4.03)	845 5.95 (4.44)	885 6.50 (4.85)	925 7.05 (5.26)	965 7.65 (5.71)	1000 8.20 (6.12)	1040 8.85 (6.60)	
10,500 4955)	455 2.35 (1.75)	530 2.95 (2.20)	595 3.50 (2.61)	655 4.10 (3.06)	710 4.70 (3.03)	760 5.25 (3.92)	805 5.80 (4.33)	850 6.40 (4.77)	895 7.00 (5.22)	935 7.60 (5.67)	970 8.15 (6.08)	1010 8.80 (6.56)	1045 9.40 (7.01)	
11,000 (5190)	470 2.60 (1.94)	545 3.25 (2.42)	605 3.85 (2.87)	665 4.45 (3.32)	720 5.10 (3.80)	765 5.66 (4.22)	815 6.30 (4.70)	860 6.90 (5.15)	900 7.50 (5.60)	940 8.10 (6.04)	980 8.75 (6.53)	1015 9.35 (6.98)	---	
11,500 (5425)	485 2.95 (2.20)	555 3.60 (2.69)	620 4.25 (3.17)	675 4.85 (3.62)	730 5.55 (4.14)	775 6.10 (4.55)	820 6.70 (5.00)	865 7.40 (5.52)	910 8.05 (6.01)	945 8.65 (6.45)	985 9.30 (6.94)	1020 9.95 (7.42)	---	
12,000 (5665)	500 3.30 (2.46)	570 4.00 (2.98)	630 4.65 (3.47)	685 5.30 (3.95)	740 6.00 (4.48)	785 6.60 (4.92)	830 7.25 (5.41)	875 7.95 (5.93)	915 8.60 (6.42)	955 9.25 (6.90)	995 9.95 (7.42)	1030 10.60 (7.91)	---	
12,500 (5900)	515 3.65 (2.72)	580 4.35 (3.25)	640 5.05 (3.77)	695 5.75 (4.29)	750 6.50 (4.85)	795 7.10 (5.30)	840 7.80 (5.82)	885 8.55 (6.38)	925 9.20 (6.86)	965 9.90 (7.39)	1000 10.55 (7.87)	1035 11.25 (8.39)	---	
13,000 (6135)	530 4.05 (3.02)	595 4.80 (3.58)	655 5.55 (4.14)	710 6.25 (4.66)	760 7.00 (5.22)	805 7.65 (5.71)	850 8.40 (6.27)	890 9.05 (6.75)	930 9.75 (7.27)	970 10.50 (7.83)	1010 11.30 (8.43)	---	---	
13,500 (6370)	545 4.45 (3.32)	610 5.25 (3.92)	665 6.00 (4.48)	720 6.75 (5.04)	770 7.50 (5.60)	815 8.25 (6.15)	860 9.00 (6.71)	900 9.70 (7.24)	940 10.45 (7.80)	980 11.20 (8.36)	---	---	---	
14,000 (6605)	560 4.90 (3.66)	620 5.70 (4.25)	680 6.55 (4.89)	730 7.30 (5.45)	780 8.10 (6.04)	825 8.85 (6.60)	870 9.65 (7.20)	910 10.40 (7.76)	950 11.15 (8.31)	---	---	---	---	
14,500 (6845)	575 5.40 (4.03)	635 6.25 (4.66)	690 7.05 (5.26)	745 7.90 (5.89)	790 8.65 (6.45)	835 9.45 (7.05)	880 10.30 (7.68)	920 11.10 (8.28)	---	---	---	---	---	
15,000 (7080)	590 5.90 (4.40)	650 6.80 (5.07)	705 7.65 (5.71)	755 8.50 (6.340)	800 9.30 (6.94)	845 10.10 (7.53)	890 11.00 (8.21)	---	---	---	---	---	---	

●-Units require 10,500 cfm (4955 L/s) minimum air with electric heat.