

Installation Instructions

CRHEATER270B00-CRHEATER287B00, CRHEATER302B00-CRHEATER307B00,
CRHEATER309B00-CRHEATER314B00, CRHEATER400B00-CRHEATER409B00

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IMPORTANT: Read these instructions completely before attempting to install the accessory electric heater.

The electric heater accessory is used on the following units:

MODEL			CAPACITY (TONS)
50LC	—	—	12.5-23
50TC	558J	RAS	15-27.5
50HC	551J	RAH	15-25
50TCQ	548J	RHS	15-20

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. Wear safety glasses and work gloves. Use quenching cloth for unbrazing operations. Have fire extinguisher available for all brazing operations.

It is important to recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight

suggestions which **will** result in enhanced installation, reliability, or operation.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury and/or death.

Before beginning any modification, disconnect power supply and install lockout tag before attempting to install the accessory. All wiring must comply with applicable national and local codes.

WARNING

PERSONAL INJURY AND EQUIPMENT DAMAGE HAZARD

Failure to follow this warning could result in personal injury and/or death and damage to equipment.

Field modification of electric heat staging may result in the overriding of electric heat safety switches and is prohibited.

GENERAL

This installation instruction covers the following accessory heaters:

- CRHEATER270B00 through CRHEATER287B00 for use with Standard (5kA) SCCR rated units
- CRHEATER302B00 through CRHEATER307B00 for use with Standard (5kA) SCCR rated units
- CRHEATER309B00 through CRHEATER314B00 for use with Standard (5kA) SCCR rated units
- CRHEATER400B00 through CRHEATER409B00 are for High (60-65kA) SCCR rated units

Each kit contains the heater module, wire ties, and three 1/4-20 nuts. See Tables 1-15 for unit electrical data and kit usage.

NOTE: All vertical supply units with electric heat require a field-supplied 90-degree elbow. The elbow must be installed in the supply ductwork below the unit discharged connection.

NOTE: Check Tables 1-15 for the correct Single Point kit to use when single point power entry is desired. The single point kit required varies with the specific heater accessory used.

NOTE: For units equipped with a non-fused disconnect switch, the disconnect must be adequately sized for the electric heater. If the disconnect switch supplied with the equipment is not sized to handle the ampacity of the electric heater accessory kit for cooling units, or the electric heater accessory kit plus the unit ampacity for heat pump units, then the electric heater kit must be wired to a separate disconnect switch sized to handle the electric heater accessory kit ampacity. Refer to the unit's nameplate or the Product Data for the unit.

Table 1 — 15 Ton Capacity Models / Horizontal Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER270B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^a
		CRHEATER271B00	50HC/551J/RAH			
		CRHEATER271B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	MED	CRHEATER270B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER271B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER273B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER274B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	Not Required ^{b,c}
			50HC/551J/RAH			
		CRHEATER275B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER273B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER274B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	Not Required ^c
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	Not Required ^c
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
575-3-60	STD	CRHEATER276B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,d}
			50HC/551J/RAH			
		CRHEATER278B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER276B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,d}
			50HC/551J/RAH			
		CRHEATER278B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
575-3-60	HIGH	CRHEATER276B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,c}
			50HC/551J/RAH			
		CRHEATER278B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

- a. CRSINGLE056A00 required for 50TCQ/548J/RHS units.
- b. CRSINGLE057A00 required for 50TCQ/548J/RHS units.
- c. CRSINGLE057A00 required with power exhaust.
- d. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 2 — 15 Ton Capacity Models / Vertical Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	MED	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	HIGH	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	Not Required ^{b,c}
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
	MED	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			

Table 2 — 15 Ton Capacity Models / Vertical Duct Configuration (cont)

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
460-3-60 (cont)	HIGH	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	Not Required ^c
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	Not Required ^c
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
575-3-60	STD	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,d}
			50HC/551J/RAH			Not Required
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,d}
			50HC/551J/RAH			Not Required ^c
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{b,c}
			50HC/551J/RAH			
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

- a. CRSINGLE056A00 required for 50TCQ/548J/RHS units.
- b. CRSINGLE057A00 required for 50TCQ/548J/RHS units.
- c. CRSINGLE057A00 required with power exhaust.
- d. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 3 — 17.5 Ton Capacity Models / Horizontal Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER270B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	MED	CRHEATER270B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	HIGH	CRHEATER270B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	Not Required ^a
		CRHEATER275B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.0	2	CRSINGLE057A00
575-3-60	STD	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 4 — 17.5 Ton Capacity Models / Vertical Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER279B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	MED	CRHEATER279B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	HIGH	CRHEATER279B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER282B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
	MED	CRHEATER282B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			

Table 4 — 17.5 Ton Capacity Models / Vertical Duct Configuration (cont)

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
460-3-60 (cont)	HIGH	CRHEATER282B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	Not Required ^a
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
575-3-60	STD	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^b
			50HC/551J/RAH			
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 5 — 20 Ton Capacity Models / Horizontal Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER270B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	MED	CRHEATER270B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required
		CRHEATER271B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	HIGH	CRHEATER270B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required ^{a,b}
		CRHEATER271B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required ^c
			50HC/551J/RAH			
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER273B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^c
			50HC/551J/RAH			
		CRHEATER274B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER273B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^d
			50HC/551J/RAH			Not Required ^{d,e}
		CRHEATER274B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC	17.4	2	Not Required
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC	17.4	2	Not Required ^d
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
575-3-60	STD	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required ^f
			50HC/551J/RAH			Not Required
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^{c,d}
			50HC/551J/RAH			Not Required ^{d,e}
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER276B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required ^f
			50HC/551J/RAH			Not Required
		CRHEATER277B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{c,d}
			50HC/551J/RAH			Not Required ^{d,e}
		CRHEATER278B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER276B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required ^f
			50HC/551J/RAH			Not Required
		CRHEATER277B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{c,d,e}
			50HC/551J/RAH			Not Required ^{d,e}
		CRHEATER278B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

- a. CRSINGLE056A00 required with power exhaust.
- b. CRSINGLE056A00 required with combination of power exhaust and powered convenience outlet.
- c. CRSINGLE057A00 required for 50TCQ/548J/RHS units.
- d. CRSINGLE057A00 required with power exhaust.
- e. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.
- f. CRSINGLE057A00 required for 50TCQ/548J/RHS units with power exhaust.

Table 6 — 20 Ton Capacity Models / Vertical Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	MED	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	HIGH	CRHEATER279B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			Not Required ^{a,b}
		CRHEATER402B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^c
			50HC/551J/RAH			
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
	MED	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^d
			50HC/551J/RAH			
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			

Table 6 — 20 Ton Capacity Models / Vertical Duct Configuration (cont)

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
460-3-60 (cont)	HIGH	CRHEATER282B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	Not Required ^{c,e}
			50HC/551J/RAH			Not Required ^{e,f}
		CRHEATER403B00	50TC/50TCQ/558J/548J/RAS/RHS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/50TCQ/558J/548J/RAS/RHS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/50TCQ/558J/548J/RAS/RHS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER282B00	50TC	17.4	2	Not Required
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER282B00	50TC	17.4	2	Not Required ^e
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
575-3-60	STD	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required ^d
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{c,e}
			50HC/551J/RAH			Not Required ^{e,f}
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required ^d
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{c,e}
			50HC/551J/RAH			Not Required ^{e,f}
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER285B00	50TC/50TCQ/558J/548J/RAS/RHS	24.8	2	Not Required ^d
			50HC/551J/RAH			
		CRHEATER286B00	50TC/50TCQ/558J/548J/RAS/RHS	49.6	2	Not Required ^{c,e,f}
			50HC/551J/RAH			
		CRHEATER287B00	50TC/50TCQ/558J/548J/RAS/RHS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

- CRSINGLE056A00 required with power exhaust.
- CRSINGLE056A00 required with combination of power exhaust and powered convenience outlet.
- CRSINGLE057A00 required for 50TCQ/548J/RHS units.
- CRSINGLE057A00 required for 50TCQ/548J/RHS units with power exhaust.
- CRSINGLE057A00 required with power exhaust.
- CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 7 — 25 Ton Capacity Models / Horizontal Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER270B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	MED	CRHEATER270B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
	HIGH	CRHEATER270B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER271B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER272B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER273B00	50TC/558J/RAS	25.0	2	Not Required ^a
			50HC/551J/RAH			Not Required ^b
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER273B00	50TC/558J/RAS	25.0	2	CRSINGLE057A00
			50HC/551J/RAH			Not Required ^a
		CRHEATER274B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER275B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER273B00	50TC	17.4	2	Not Required ^a
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC	17.4	2	Not Required ^a
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
575-3-60	STD	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER276B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER277B00	50TC/558J/RAS	49.6	2	Not Required ^{a,b}
			50HC/551J/RAH			Not Required ^a
		CRHEATER278B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 8 — 25 Ton Capacity Models / Vertical Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER279B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	MED	CRHEATER279B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
	HIGH	CRHEATER279B00	50TC/558J/RAS	25.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER402B00	50TC/558J/RAS	25.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER280B00	50TC/558J/RAS	50.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER406B00	50TC/558J/RAS	50.0	2	CRSINGLE058A00
			50HC/551J/RAH			
		CRHEATER281B00	50TC/558J/RAS	75.0	2	CRSINGLE056A00
			50HC/551J/RAH			
		CRHEATER408B00	50TC/558J/RAS	75.0	2	CRSINGLE058A00
			50HC/551J/RAH			
460-3-60	STD	CRHEATER282B00	50TC/558J/RAS	25.0	2	Not Required
			50HC/551J/RAH			
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
	MED	CRHEATER282B00	50TC/558J/RAS	25.0	2	Not Required ^a
			50HC/551J/RAH			Not Required ^b
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			

Table 8 — 25 Ton Capacity Models / Vertical Duct Configuration (cont)

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
460-3-60 (cont)	HIGH	CRHEATER282B00	50TC/558J/RAS	25.0	2	CRSINGLE057A00
			50HC/551J/RAH			Not Required ^a
		CRHEATER403B00	50TC/558J/RAS	25.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER283B00	50TC/558J/RAS	50.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER407B00	50TC/558J/RAS	50.0	2	CRSINGLE059A00
			50HC/551J/RAH			
		CRHEATER284B00	50TC/558J/RAS	75.0	2	CRSINGLE057A00
			50HC/551J/RAH			
		CRHEATER409B00	50TC/558J/RAS	75.0	2	CRSINGLE059A00
			50HC/551J/RAH			
400-3-50	STD	CRHEATER282B00	50TC	17.4	2	Not Required ^a
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	MED	CRHEATER282B00	50TC	17.4	2	Not Required ^a
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
	HIGH	CRHEATER282B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.0	2	CRSINGLE057A00
575-3-60	STD	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	MED	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^a
			50HC/551J/RAH			
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			
	HIGH	CRHEATER285B00	50TC/558J/RAS	24.8	2	Not Required
			50HC/551J/RAH			
		CRHEATER286B00	50TC/558J/RAS	49.6	2	Not Required ^{a,b}
			50HC/551J/RAH			Not Required ^a
		CRHEATER287B00	50TC/558J/RAS	74.4	2	CRSINGLE057A00
			50HC/551J/RAH			

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 9 — 27.5 Ton Capacity Models / Horizontal Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER270B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER271B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER272B00	50TC/558J	75.0	2	CRSINGLE056A00
	MED	CRHEATER270B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER271B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER272B00	50TC/558J	75.0	2	CRSINGLE056A00
	HIGH	CRHEATER270B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER271B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER272B00	50TC/558J	75.0	2	CRSINGLE056A00
460-3-60	STD	CRHEATER273B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER274B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER275B00	50TC/558J	75.0	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER274B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER275B00	50TC/558J	75.0	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER274B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER275B00	50TC/558J	75.0	2	CRSINGLE057A00
400-3-50	STD	CRHEATER273B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	MED	CRHEATER273B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
	HIGH	CRHEATER273B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER274B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER275B00	50TC	52.1	2	CRSINGLE057A00
575-3-60	STD	CRHEATER276B00	50TC/558J	24.8	2	Not Required ^a
		CRHEATER277B00	50TC/558J	49.6	2	Not Required ^b
		CRHEATER278B00	50TC/558J	74.4	2	CRSINGLE057A00
	MED	CRHEATER276B00	50TC/558J	24.8	2	Not Required ^a
		CRHEATER277B00	50TC/558J	49.6	2	CRSINGLE057A00
		CRHEATER278B00	50TC/558J	74.4	2	CRSINGLE057A00
	HIGH	CRHEATER276B00	50TC/558J	24.8	2	Not Required ^a
		CRHEATER277B00	50TC/558J	49.6	2	CRSINGLE057A00
		CRHEATER278B00	50TC/558J	74.4	2	CRSINGLE057A00

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 10 — 27.5 Ton Capacity Models / Vertical Duct Configuration

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	MODEL	NOMINAL kW	STAGES	SINGLE POINT KIT
208/230-3-60	STD	CRHEATER279B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER402B00	50TC/558J	25.0	2	CRSINGLE058A00
		CRHEATER280B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER406B00	50TC/558J	50.0	2	CRSINGLE058A00
		CRHEATER281B00	50TC/558J	75.0	2	CRSINGLE056A00
		CRHEATER408B00	50TC/558J	75.0	2	CRSINGLE058A00
	MED	CRHEATER279B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER402B00	50TC/558J	25.0	2	CRSINGLE058A00
		CRHEATER280B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER406B00	50TC/558J	50.0	2	CRSINGLE058A00
		CRHEATER281B00	50TC/558J	75.0	2	CRSINGLE056A00
		CRHEATER408B00	50TC/558J	75.0	2	CRSINGLE058A00
	HIGH	CRHEATER279B00	50TC/558J	25.0	2	CRSINGLE056A00
		CRHEATER402B00	50TC/558J	25.0	2	CRSINGLE058A00
		CRHEATER280B00	50TC/558J	50.0	2	CRSINGLE056A00
		CRHEATER406B00	50TC/558J	50.0	2	CRSINGLE058A00
		CRHEATER281B00	50TC/558J	75.0	2	CRSINGLE056A00
		CRHEATER408B00	50TC/558J	75.0	2	CRSINGLE058A00
460-3-60	STD	CRHEATER282B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER403B00	50TC/558J	25.0	2	CRSINGLE059A00
		CRHEATER283B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER407B00	50TC/558J	50.0	2	CRSINGLE059A00
		CRHEATER284B00	50TC/558J	75.0	2	CRSINGLE057A00
		CRHEATER409B00	50TC/558J	75.0	2	CRSINGLE059A00
	MED	CRHEATER282B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER403B00	50TC/558J	25.0	2	CRSINGLE059A00
		CRHEATER283B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER407B00	50TC/558J	50.0	2	CRSINGLE059A00
		CRHEATER284B00	50TC/558J	75.0	2	CRSINGLE057A00
		CRHEATER409B00	50TC/558J	75.0	2	CRSINGLE059A00
	HIGH	CRHEATER282B00	50TC/558J	25.0	2	CRSINGLE057A00
		CRHEATER403B00	50TC/558J	25.0	2	CRSINGLE059A00
		CRHEATER283B00	50TC/558J	50.0	2	CRSINGLE057A00
		CRHEATER407B00	50TC/558J	50.0	2	CRSINGLE059A00
		CRHEATER284B00	50TC/558J	75.0	2	CRSINGLE057A00
		CRHEATER409B00	50TC/558J	75.0	2	CRSINGLE059A00
400-3-50	STD	CRHEATER282B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.1	2	CRSINGLE057A00
	MED	CRHEATER282B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.1	2	CRSINGLE057A00
	HIGH	CRHEATER282B00	50TC	17.4	2	CRSINGLE057A00
		CRHEATER283B00	50TC	34.7	2	CRSINGLE057A00
		CRHEATER284B00	50TC	52.1	2	CRSINGLE057A00
575-3-60	STD	CRHEATER285B00	50TC/558J	24.8	2	Not Required ^a
		CRHEATER286B00	50TC/558J	49.6	2	Not Required ^b
		CRHEATER287B00	50TC/558J	74.4	2	CRSINGLE057A00
	MED	CRHEATER285B00	50TC/558J	24.8	2	Not Required
		CRHEATER286B00	50TC/558J	49.6	2	CRSINGLE057A00
		CRHEATER287B00	50TC/558J	74.4	2	CRSINGLE057A00
	HIGH	CRHEATER285B00	50TC/558J	24.8	2	Not Required ^a
		CRHEATER286B00	50TC/558J	49.6	2	CRSINGLE057A00
		CRHEATER287B00	50TC/558J	74.4	2	CRSINGLE057A00

NOTE(S):

a. CRSINGLE057A00 required with power exhaust.

b. CRSINGLE057A00 required with combination of power exhaust and powered convenience outlet.

Table 11 — 50LC14 Models Vertical/Horizontal Duct Configuration**

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	NOMINAL kW	Single Point (CRSINGLE***A00) or Junction Kit Part Number			
				NO CO or Unpowered CO		With PPWRD CO	
				NO PE	w/PE (pwrđ fr/unit)	NO PE	w/PE (pwrđ fr/unit)
208/230-3-60	STD	CRHEATER302B00/305	15.0	—	—	—	—
		CRHEATER400B00 ^a	15.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00 ^a	25.0	058	058	—	—
		CRHEATER309B00/312	50.0	056	056	056	056
		CRHEATER404B00 ^a	50.0	058	058	—	—
	MED	CRHEATER302B00/305	15.0	—	—	—	—
		CRHEATER400B00 ^a	15.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00 ^a	25.0	058	058	—	—
		CRHEATER309B00/312	50.0	056	056	056	056
		CRHEATER404B00 ^a	50.0	058	058	—	—
	HIGH	CRHEATER302B00/305	15.0	—	—	—	—
		CRHEATER400B00 ^a	15.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00 ^a	25.0	058	058	—	—
		CRHEATER309B00/312	50.0	056	056	056	056
		CRHEATER404B00 ^a	50.0	058	058	—	—
	SUPER	CRHEATER302B00/305	15.0	—	—	—	—
		CRHEATER400B00 ^a	15.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	056
		CRHEATER402B00 ^a	25.0	058	058	—	—
		CRHEATER309B00/312	50.0	056	056	056	056
		CRHEATER404B00 ^a	50.0	058	058	—	—
460-3-60	STD	CRHEATER303B00/306	15.0	—	—	—	—
		CRHEATER401B00 ^a	15.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00 ^a	25.0	059	059	—	—
		CRHEATER310B00/313	50.0	—	057	057	057
		CRHEATER405B00 ^a	50.0	059	059	—	—
	MED	CRHEATER303B00/306	15.0	—	—	—	—
		CRHEATER401B00 ^a	15.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00 ^a	25.0	059	059	—	—
		CRHEATER310B00/313	50.0	057	057	057	057
		CRHEATER405B00 ^a	50.0	059	059	—	—
	HIGH	CRHEATER303B00/306	15.0	—	—	—	—
		CRHEATER401B00 ^a	15.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00 ^a	25.0	059	059	—	—
		CRHEATER310B00/313	50.0	057	057	057	057
		CRHEATER405B00 ^a	50.0	059	059	—	—
	SUPER	CRHEATER303B00/306	15.0	—	—	—	—
		CRHEATER401B00 ^a	15.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00 ^a	25.0	059	059	—	—
		CRHEATER310B00/313	50.0	057	057	057	057
		CRHEATER405B00 ^a	50.0	059	059	—	—
575-3-60	STD	CRHEATER304B00/307	15.0	—	—	—	—
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER311B00/314	49.6	—	057	—	057
	MED	CRHEATER304B00/307	15.0	—	—	—	—
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER311B00/314	49.6	—	057	—	057
	HIGH	CRHEATER304B00/307	15.0	—	—	—	—
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER311B00/314	49.6	—	057	057	057
	SUPER	CRHEATER304B00/307	15.0	—	—	—	—
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER311B00/314	49.6	057	057	057	057

NOTE(S):

a. Heaters 400-409 (for HSCCR) can only be used with vertical duct configuration.

Table 12 — 50LC17 Models Vertical/Horizontal Duct Configuration**

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	NOMINAL kW	Single Point (CRSINGLE***A00) or Junction Kit Part Number			
				NO CO or Unpowered CO		With PWRD CO	
				NO PE	w/PE (pwrđ fr/unit)	NO PE	w/PE (pwrđ fr/unit)
208/230-3-60	STD	CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	MED	CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	HIGH	CRHEATER279B00/270	25.0	—	—	—	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	SUPER	CRHEATER279B00/270	25.0	—	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
460-3-60	STD	CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	—	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	MED	CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	HIGH	CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	SUPER	CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
575-3-60	STD	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	—	057
		CRHEATER287B00/278	74.4	057	057	057	057
	MED	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	HIGH	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	SUPER	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057

Table 13 — 50LC20 Models Vertical/Horizontal Duct Configuration**

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	NOMINAL kW	Single Point (CRSINGLE***A00) or Junction Kit Part Number			
				NO CO or Unpowered CO		With PWRD CO	
				NO PE	w/PE (pwrdr fr/unit)	NO PE	w/PE (pwrdr fr/unit)
208/230-3-60	STD	CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
	MED	CRHEATER408B00	75.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	—
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
	HIGH	CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	—	—	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
	SUPER	CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
		CRHEATER279B00/270	25.0	—	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
460-3-60	STD	CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	—	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
	MED	CRHEATER409B00	75.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
	HIGH	CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
	SUPER	CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
		CRHEATER282B00/273	25.0	—	—	—	—
		CRHEATER403B00	25.0	059	059	—	—
575-3-60	STD	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	—	057
	MED	CRHEATER287B00/278	74.4	057	057	057	057
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	057	057
	HIGH	CRHEATER287B00/278	74.4	057	057	057	057
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
	SUPER	CRHEATER287B00/278	74.4	057	057	057	057
		CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057

Table 14 — 50LC24 Models Vertical/Horizontal Duct Configuration**

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	NOMINAL kW	Single Point (CRSINGLE***A00) or Junction Kit Part Number			
				NO CO or Unpowered CO		With PWRD CO	
				NO PE	w/PE (pwrđ fr/unit)	NO PE	w/PE (pwrđ fr/unit)
208/230-3-60	STD	CRHEATER279B00/270	25.0	—	—	—	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	MED	CRHEATER279B00/270	25.0	—	—	—	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	HIGH	CRHEATER279B00/270	25.0	—	056	—	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	SUPER	CRHEATER279B00/270	25.0	056	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
460-3-60	STD	CRHEATER282B00/273	25.0	—	057	—	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	MED	CRHEATER282B00/273	25.0	—	057	—	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	HIGH	CRHEATER282B00/273	25.0	—	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	SUPER	CRHEATER282B00/273	25.0	057	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
575-3-60	STD	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	MED	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	—	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	HIGH	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	SUPER	CRHEATER285B00/276	24.8	—	—	—	—
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057

Table 15 — 50LC26 Models Vertical/Horizontal Duct Configuration**

NOM V-Ph-Hz	IFM TYPE	ELECTRIC HEATER P/N	NOMINAL kW	Single Point (CRSINGLE***A00) or Junction Kit Part Number			
				NO CO or Unpowered CO		With PWRD CO	
				NO PE	w/PE (pwrđ fr/unit)	NO PE	w/PE (pwrđ fr/unit)
208/230-3-60	STD	CRHEATER279B00/270	25.0	056	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	MED	CRHEATER279B00/270	25.0	056	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	HIGH	CRHEATER279B00/270	25.0	056	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
	SUPER	CRHEATER279B00/270	25.0	056	056	056	056
		CRHEATER402B00	25.0	058	058	—	—
		CRHEATER280B00/271	50.0	056	056	056	056
		CRHEATER406B00	50.0	058	058	—	—
		CRHEATER281B00/272	75.0	056	056	056	056
		CRHEATER408B00	75.0	058	058	—	—
460-3-60	STD	CRHEATER282B00/273	25.0	057	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	MED	CRHEATER282B00/273	25.0	057	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	HIGH	CRHEATER282B00/273	25.0	057	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
	SUPER	CRHEATER282B00/273	25.0	057	057	057	057
		CRHEATER403B00	25.0	059	059	—	—
		CRHEATER283B00/274	50.0	057	057	057	057
		CRHEATER407B00	50.0	059	059	—	—
		CRHEATER284B00/275	75.0	057	057	057	057
		CRHEATER409B00	75.0	059	059	—	—
575-3-60	STD	CRHEATER285B00/276	24.8	—	—	—	057
		CRHEATER286B00/277	49.6	—	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	MED	CRHEATER285B00/276	24.8	—	057	—	057
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057
	HIGH	CRHEATER285B00/276	24.8	—	057	057	057
		CRHEATER286B00/277	49.6	057	057	057	057
		CRHEATER287B00/278	74.4	057	057	057	057

INSTALLATION

Heater Installation (All Units)

Perform the following procedure to install the accessory electric heaters:

1. Turn off power to the unit.
2. Remove electric heater section access panel, control box access panel, filter access panel, and blower access panel from base rooftop unit. (See Fig. 1.)

⚠ CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in damage to equipment.

When removing panels from the unit, be careful not to damage the roof or other surfaces with the panels.

⚠ CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

When removing access panels or performing maintenance functions inside your unit, be aware of sharp sheet metal parts and screws. Although special care is taken to reduce sharp edges to a minimum, be extremely careful when handling parts or reaching into the unit.

3. Remove the block-off plate and save screws. Remove the post adjacent to control box and post located between filter access and blower access. (See Fig. 2.)
4. Insert heater assembly through the opening where block-off plate was previously removed. Let back end of heaters slide along support rails beneath fan deck. (See Fig. 3.)
5. Slide heaters until completely installed such that heater controls are completely in the unit. Using screws saved from Step 3, secure heater assembly. (See Fig. 4.)
6. Route heater power wires through grommets in vertical fan deck support. (See Fig. 3.) Continue routing wires under coil and filter support through the bottom notched section of the control box. Avoid sheet metal edges and any protruding screws.
7. STANDARD SCCR (5kA) UNITS ONLY (Fig. 5):
Using three 1/4-20 nuts, connect power wires to the load side of terminal block.
If single point power entry is desired, a single point kit must be used. See Tables 1-15 for details on selecting the correct single point kit for the accessory heater being installed. Terminal block and fuse holder can be mounted using screws provided, locating the combination below unit terminal block. (See Fig. 6.) Heaters will be connected to the load side of the terminal block provided with kit. Load side of fuses to be connected to terminal block of main unit and at factory-installed option non-fused disconnect switch, HACR breaker, molded case switch for 230-v units with the High SCCR (Short-Circuit Current Rating) option, or fuse holders for 460 v units with the High SCCR option.
For dual power entry, purchase terminal block HY11UC313 for 208-230-v applications. Six 1/4-20 field-supplied lock nuts are required (P/N AT56AB171). For 400-v 50 Hz, 460-v, and 575-v 60 Hz applications, purchase terminal block HY11UC125. Three 1/4-20 field supplied screws are required (P/N AA45AB167). Mount in pre-drilled holes using field-supplied fasteners. Connect power leads from heaters to field-supplied terminal block.
8. Connect low voltage control plug from heater to the control plug from unit.
9. Re-install posts previously removed. When re-installing screws, insure that wires do not come into contact with screw tips.
10. Re-install blower access, heater access, filter, and control box access panels.
11. Mark nameplate with a check mark next to heater installed.

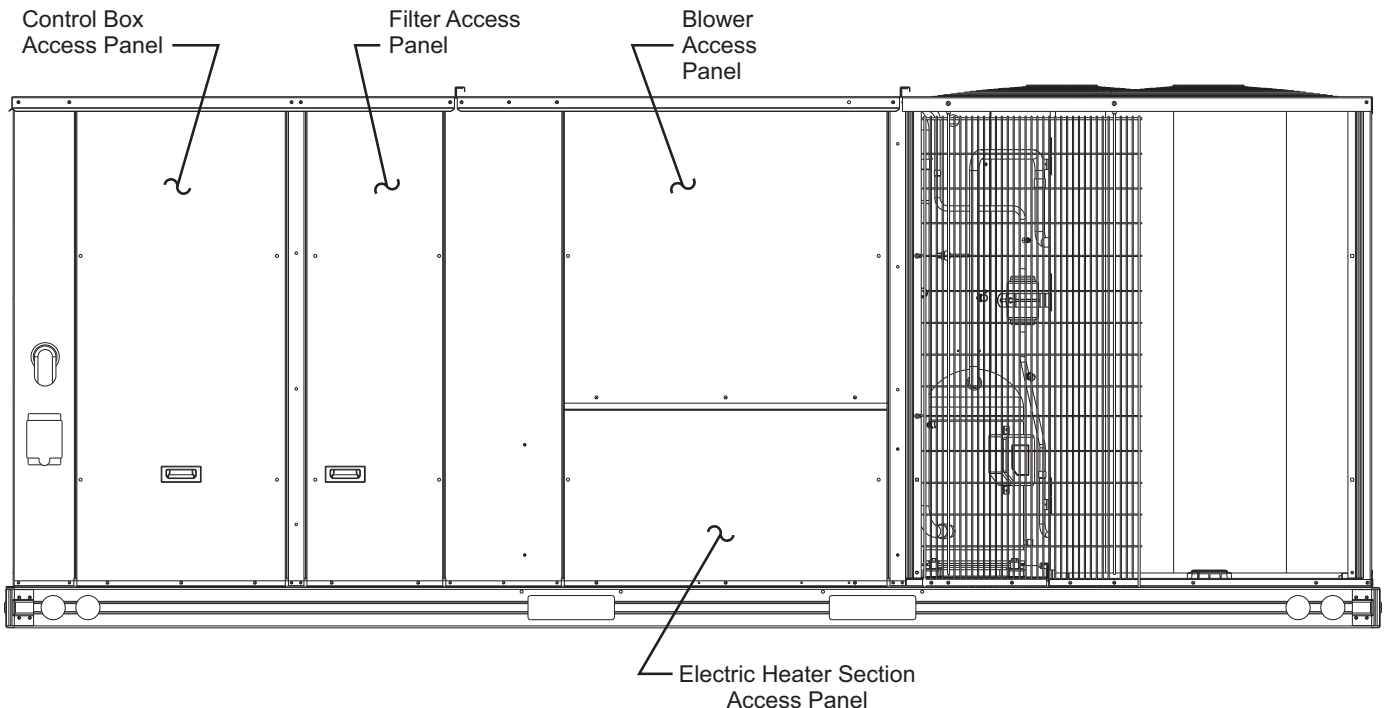


Fig. 1 — Typical Unit — Access Panel Locations

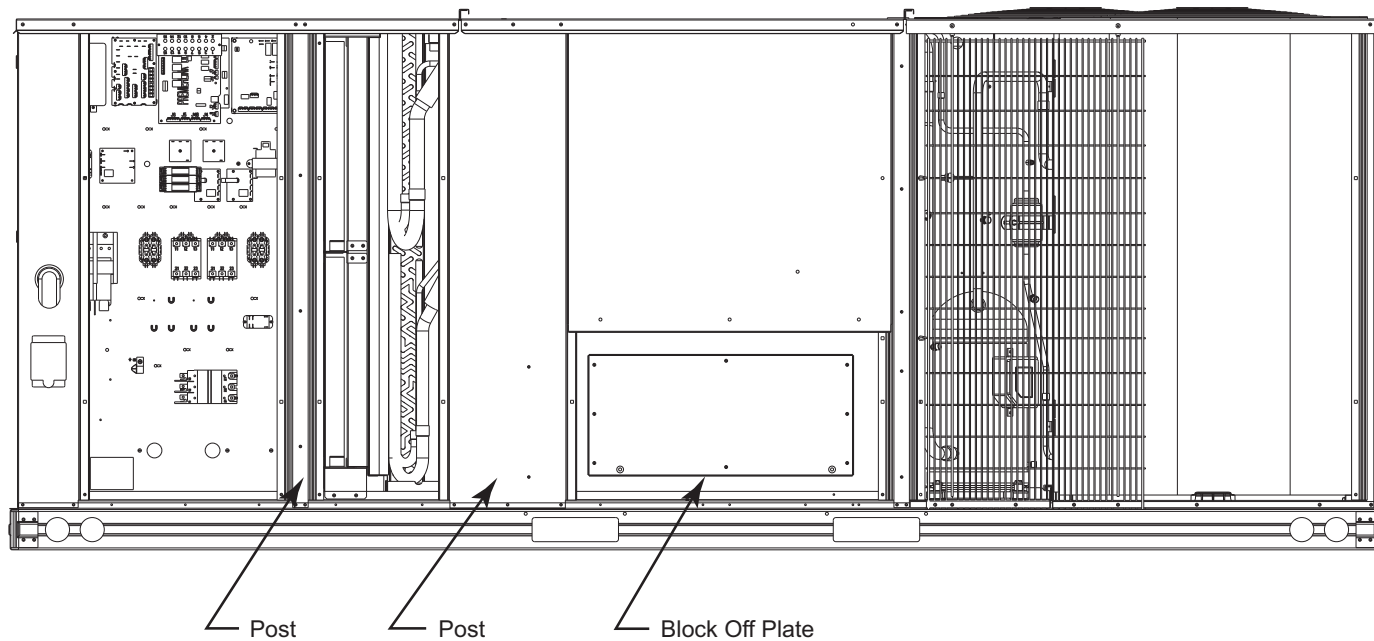


Fig. 2 — Block-Off Plate and Post Locations

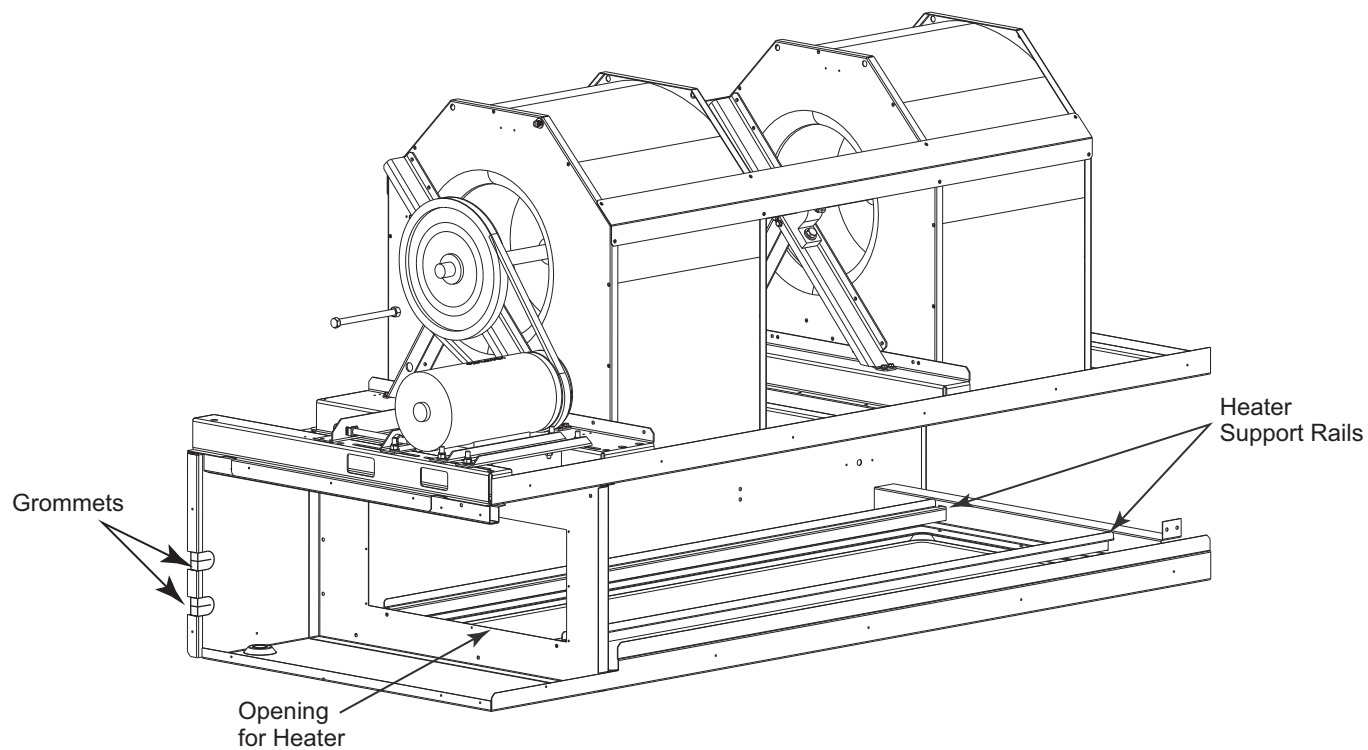


Fig. 3 — Opening for Electric Heater

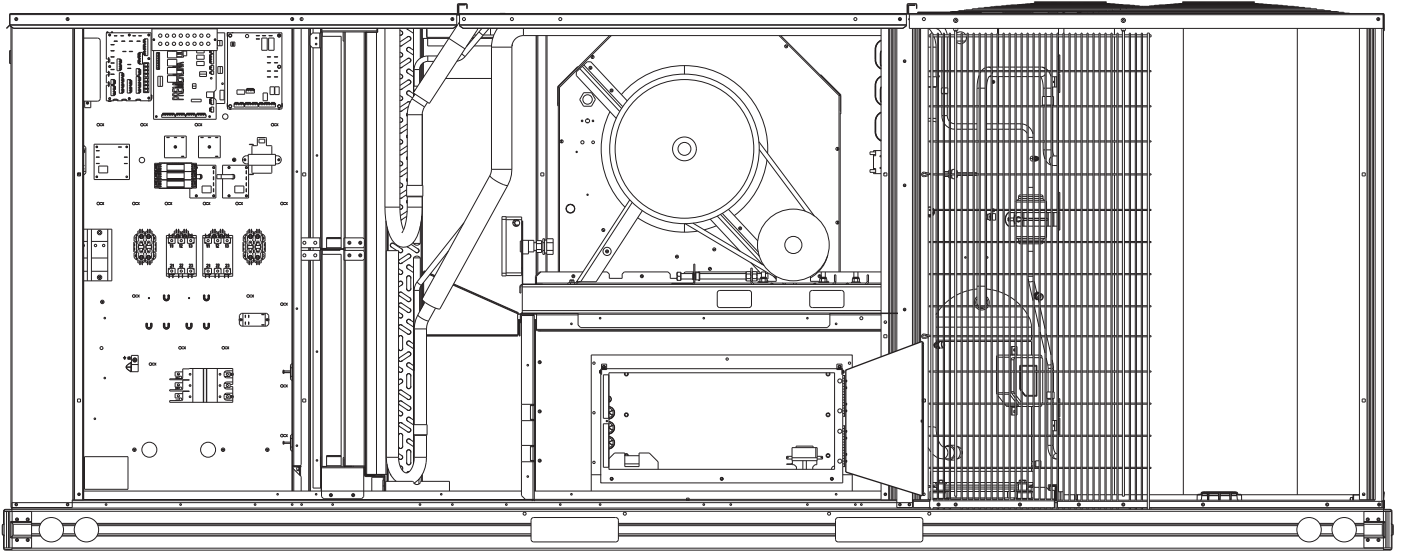


Fig. 4 — Electric Heater Accessory in Place (shown with access door opened)

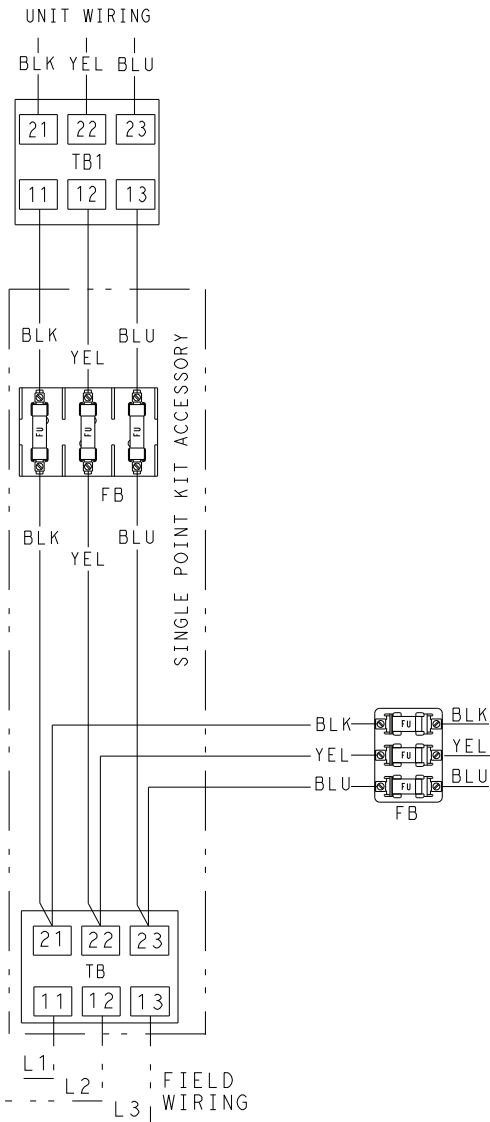


Fig. 5 — Wiring Diagram for Single Point Kit Accessory (when required)

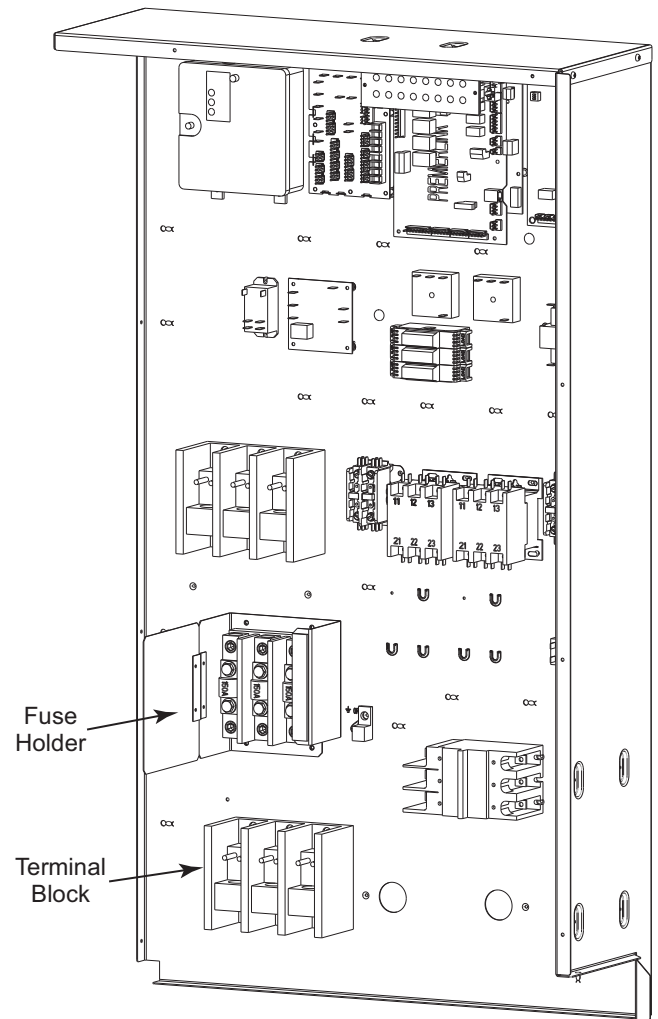


Fig. 6 — Single Point Installation

230-v HIGH SCCR UNIT INSTALLATION (60kA SCCR)

1. Install terminal block assembly in location shown in Fig. 7.
2. Remove cover from terminal block assembly.
3. Route heater wires to terminal block assembly. Note there may be 2 or 4 wires per leg depending on heater configuration.
4. Heater wires will be either 2 or 4 wires per leg. Component assembly order is important for maintaining secure assembly and maximum distance between components on each leg.

For 4 wire/leg assembly: add lock washers (Item 5) and turn bottom 2 wires so barrel of terminal is down, as shown in Fig. 7. Add nut (Item 4) and tighten to 9-10 Nm (79 in.-lb). Add second lock washer (Item 5). The top two wires shall be installed with barrels "up." Add second nut (Item 4) and tighten to 9-10 N•m (79-88 in.-lb).

For 2 wire/lug assembly: add lock washers (Item 5). Wire terminal barrels may be up or down. Add nut (Item 4) and tighten to 9-10 N•m (79-88 in.-lb).

5. Repeat for all heater wires, maintaining wire color continuity — black to black, yellow to yellow, and blue to blue.
6. Remove leg cover from line side of control box main fuse block. Install line side power wires into bottom holes of fuse block lugs. Maintain wire color continuity. Torque set screw in lug 42 N•m (375 in. lb). Reinstall cover.

460-v HIGH SCCR UNIT INSTALLATION (65kA SCCR)

1. Remove shroud screws and shroud. Install fuse block assembly in location shown in Fig. 8.

2. Route heater wires to fuse holders.
3. Insert wires in top holes of lugs.
4. Tighten screws in lug to clamp down on wires. Torque to 7.9 N•m (70 in.-lb).
5. Repeat for all heater wires.
6. Reattach shroud with 2 screws.
7. Attach power leads to control box fuse block, maintaining color continuity. Tighten set screw: 60A fuse to 20 in.-lb (2.26 N•m), 100A fuse to 40 in.-lb (4.52 N•m).

TYPICAL WIRING DIAGRAMS

See Fig. 9-40 for typical wiring diagrams.

START-UP

1. Check electrical connections.
2. Turn thermostat to OFF position.
3. Restore power to unit.
4. Check voltage supply and match the reading against unit and heater nameplate.
5. Slowly turn thermostat up until fan comes on. First stage of electric heat should be on, depending on thermostat.
6. Continue raising thermostat until stage 2 comes on.
7. Set temperature to desired level or return thermostat to the OFF position.

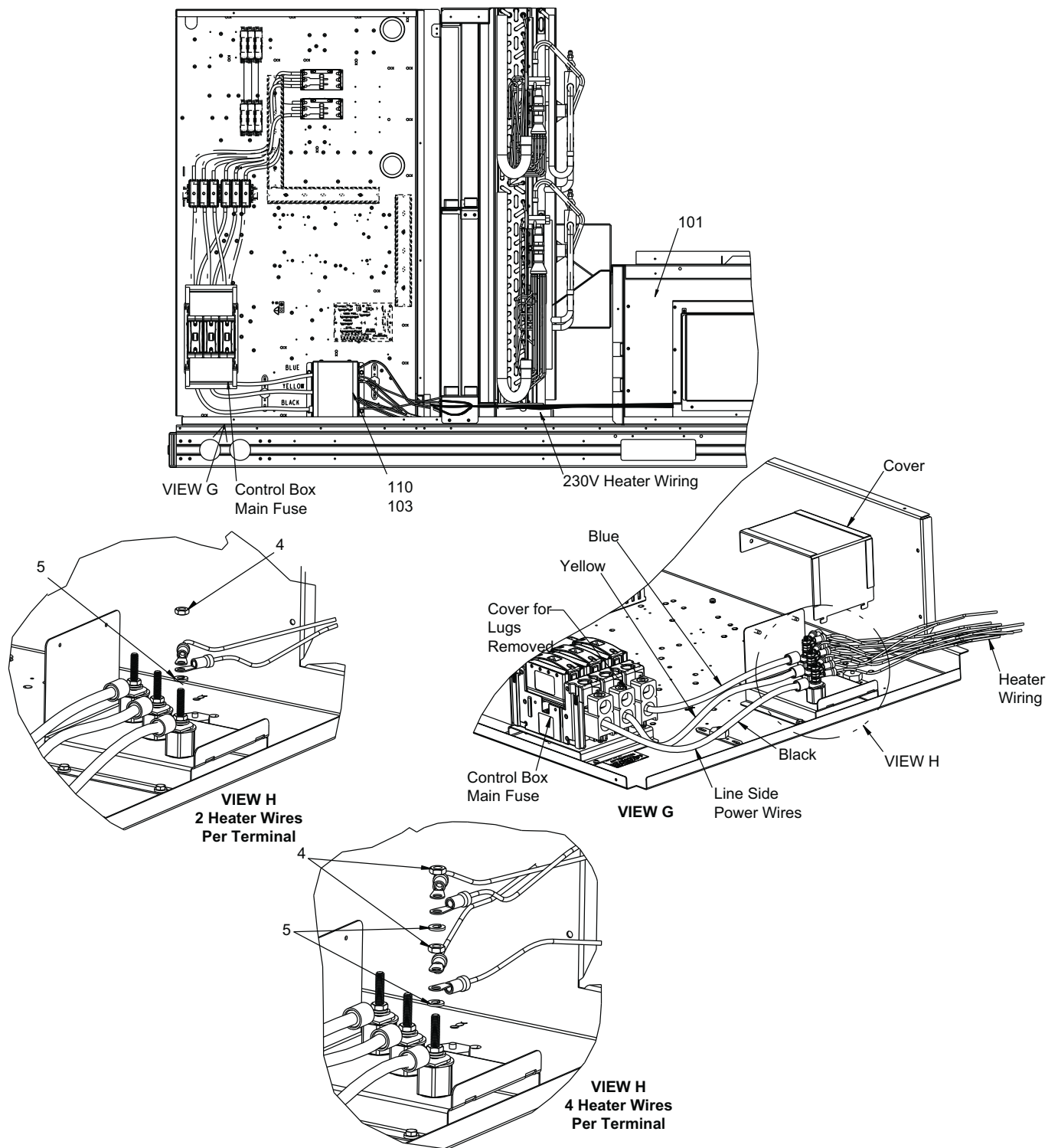


Fig. 7 — 230-v Single Point Power Assembly Location (HSCCR)

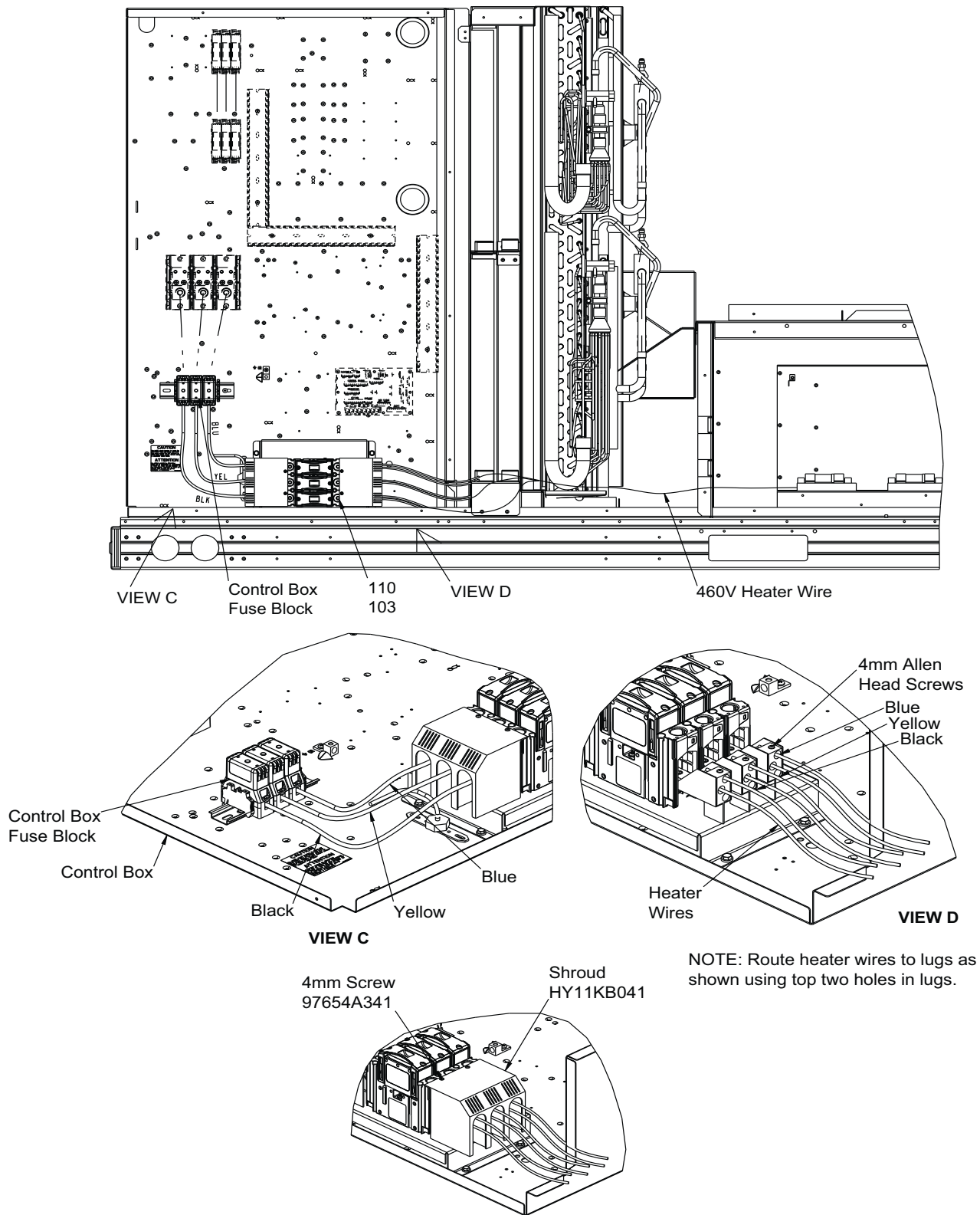
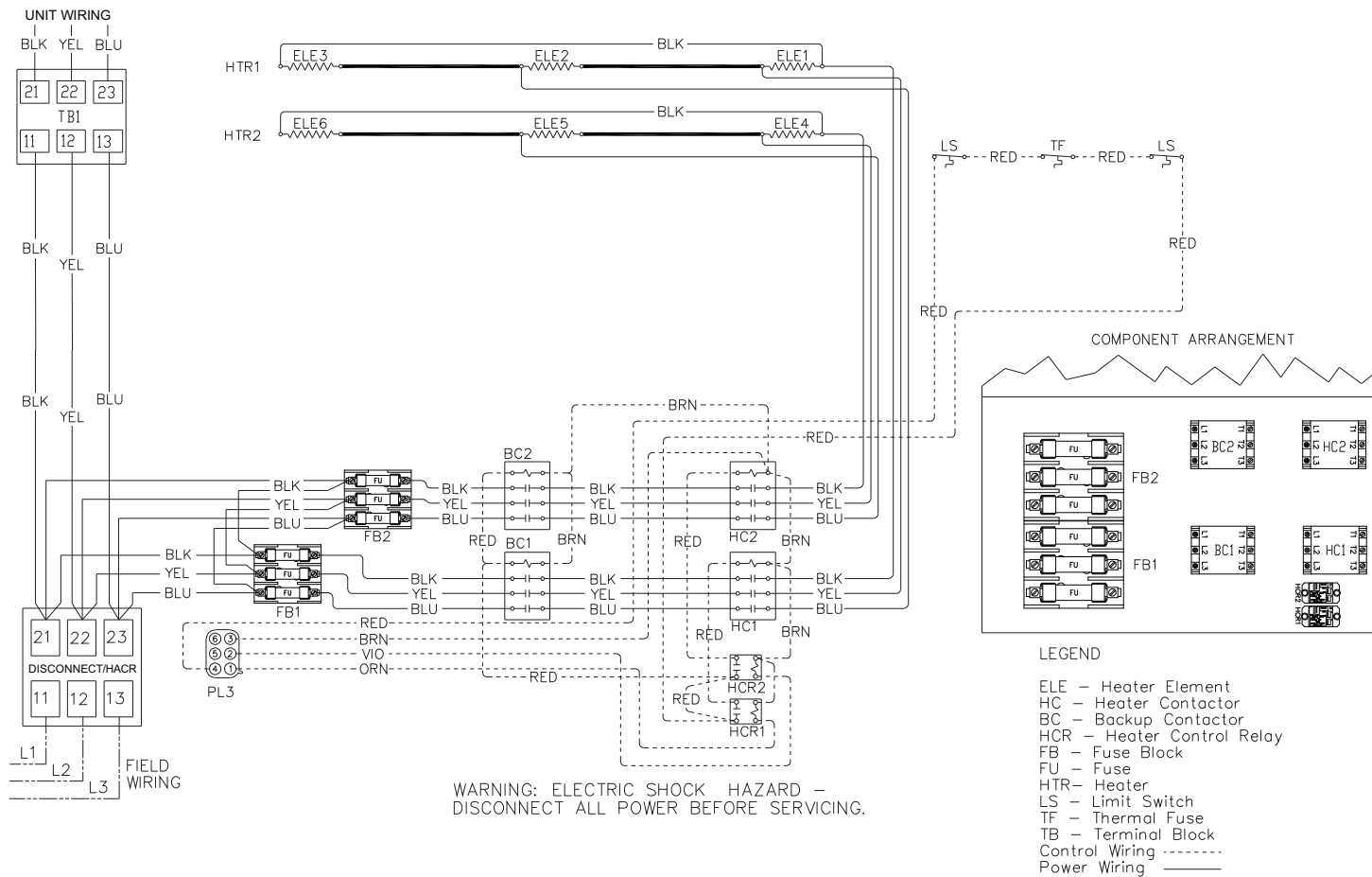


Fig. 8 — 460-v Single Point Power Assembly Location (HSCCR)



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
18.8/25.0	208 / 240	3	60	24	2	40A - 250V	K5

Fig. 9 — CRHEATER270B00 — 18.8/25 kW, 208/240-v, 60 Hz

Fig. 10 — CRHEATER271B00 — 37.6/50 kW, 208/240-v, 60 Hz

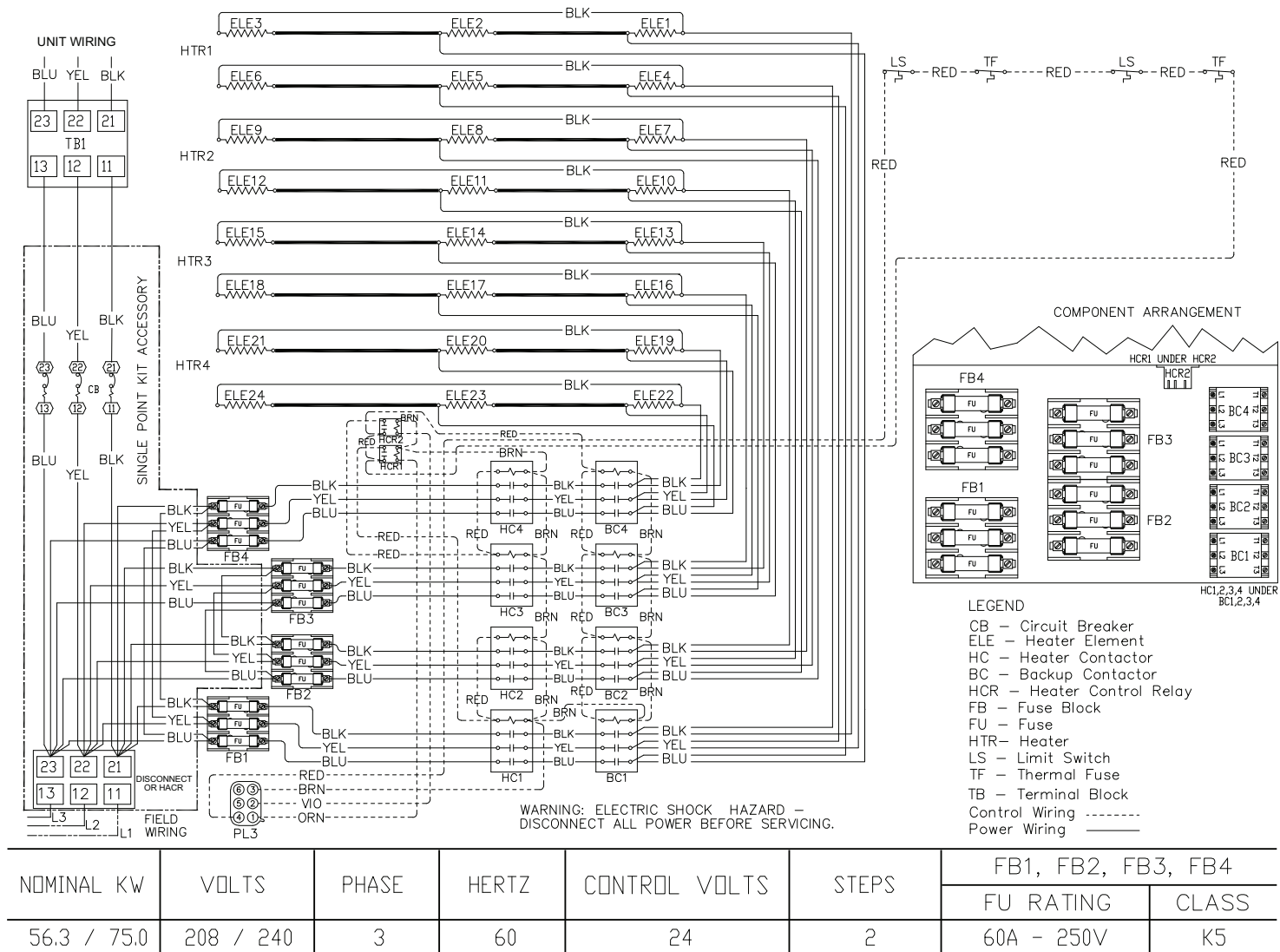
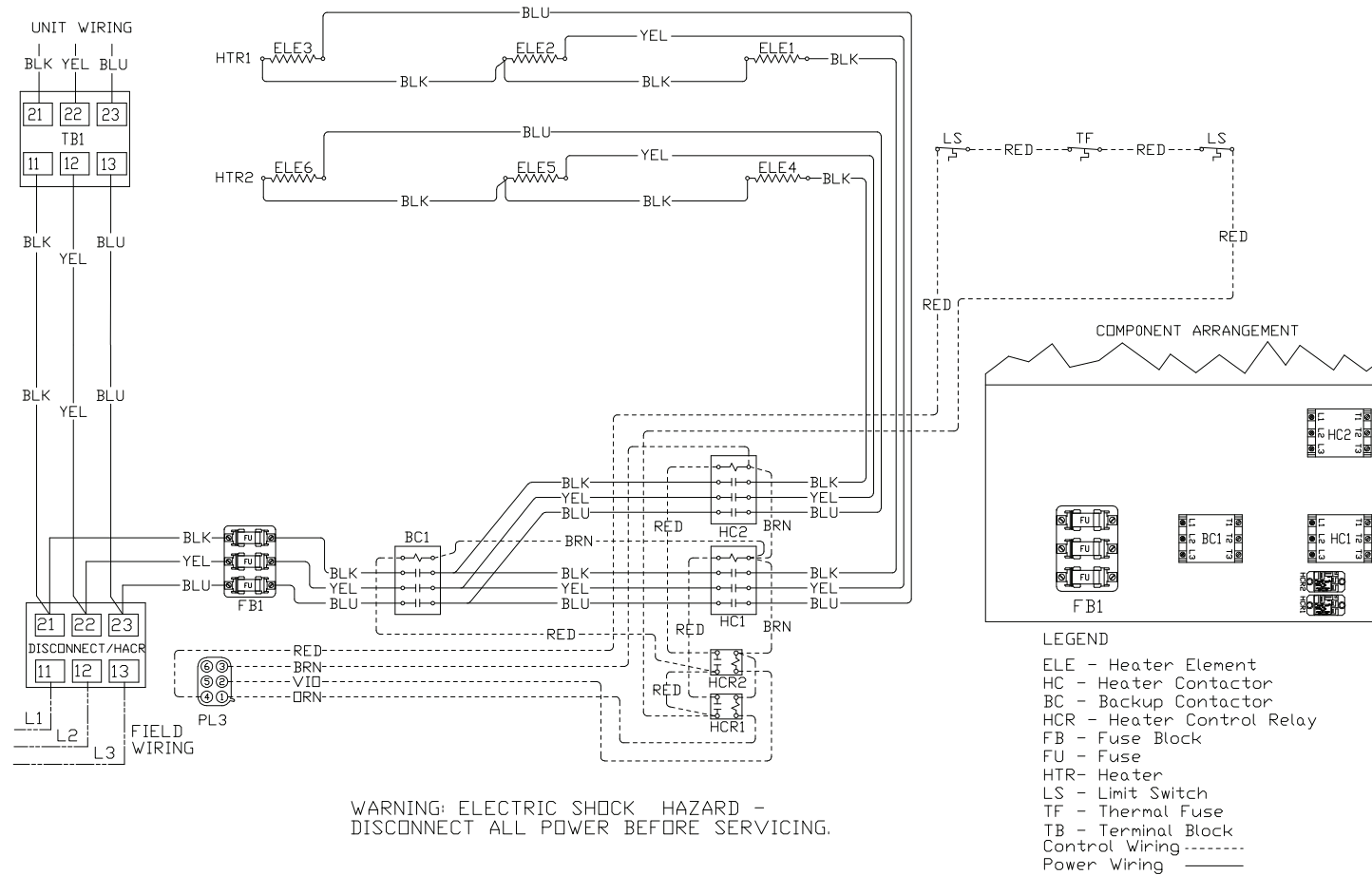


Fig. 11 — CRHEATER272B00 and CRHEATER281B00 — 56.3/75 kW, 208/240-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
25.0/17.4	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 12 — CRHEATER273B00 — 25/17.4 kW, 480/400-v, 60/50 Hz

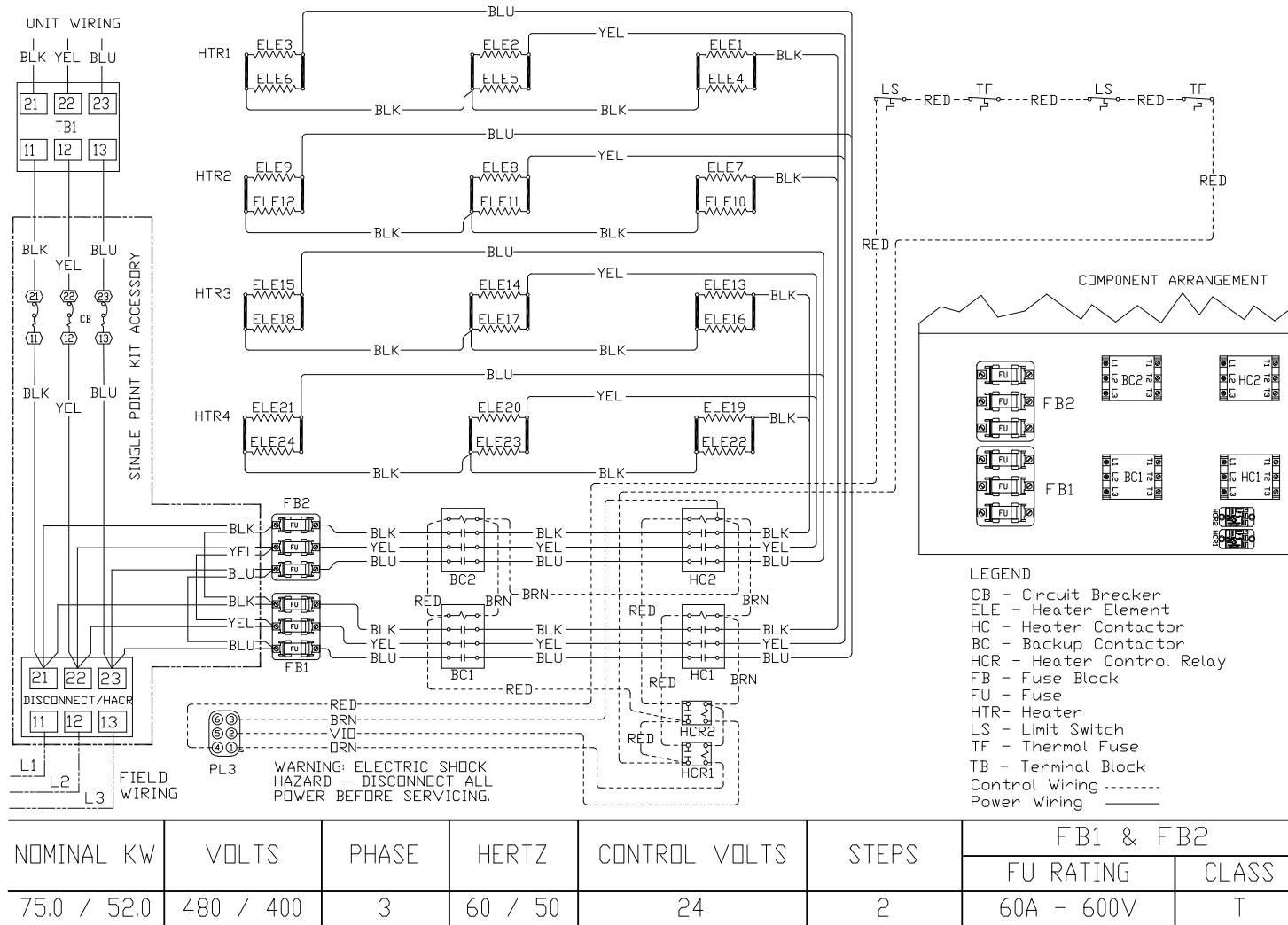
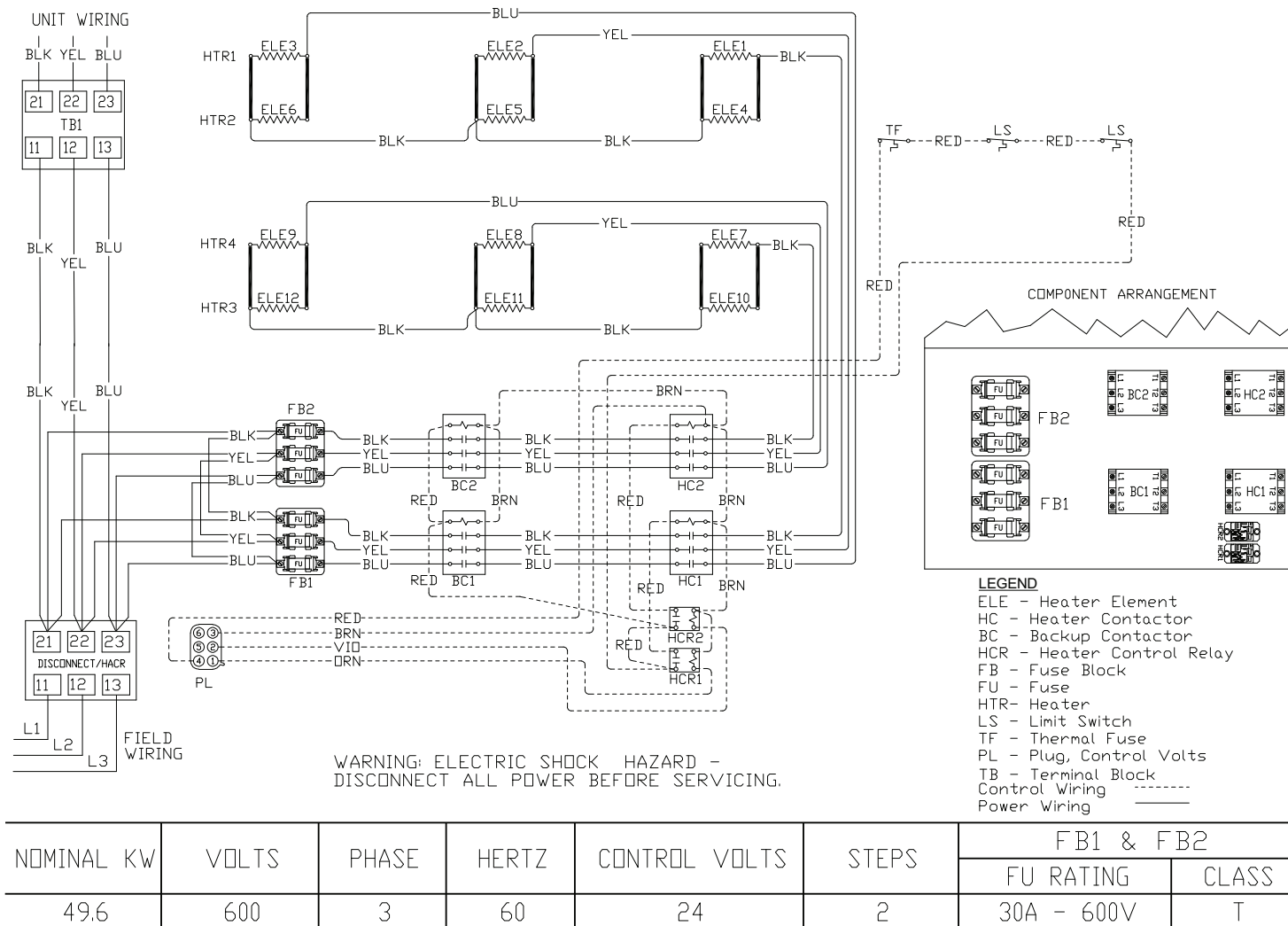


Fig. 14 — CRHEATER275B00 and CRHEATER284B00 — 75/52.0 kW, 480/400-v, 60/50 Hz



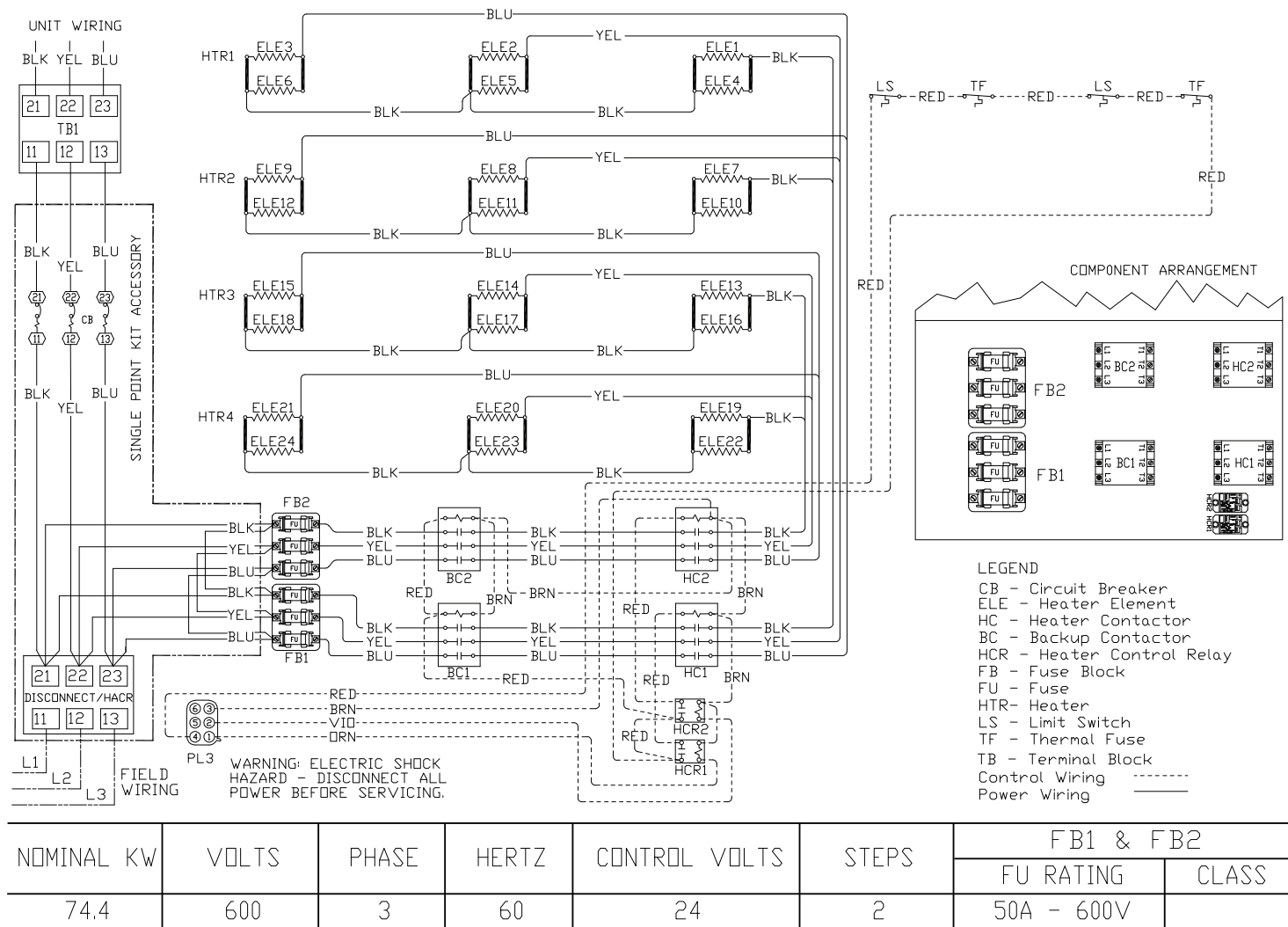
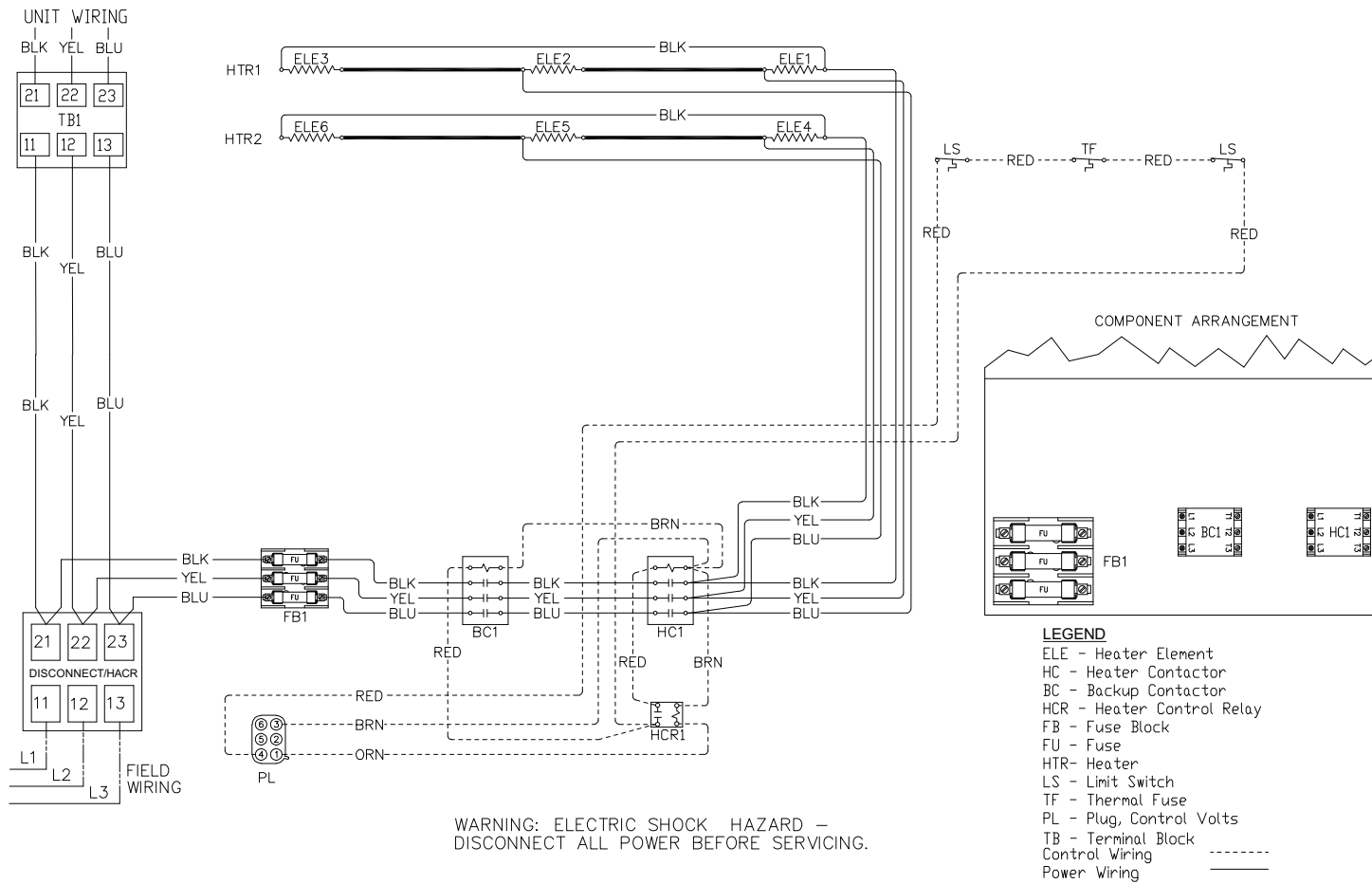
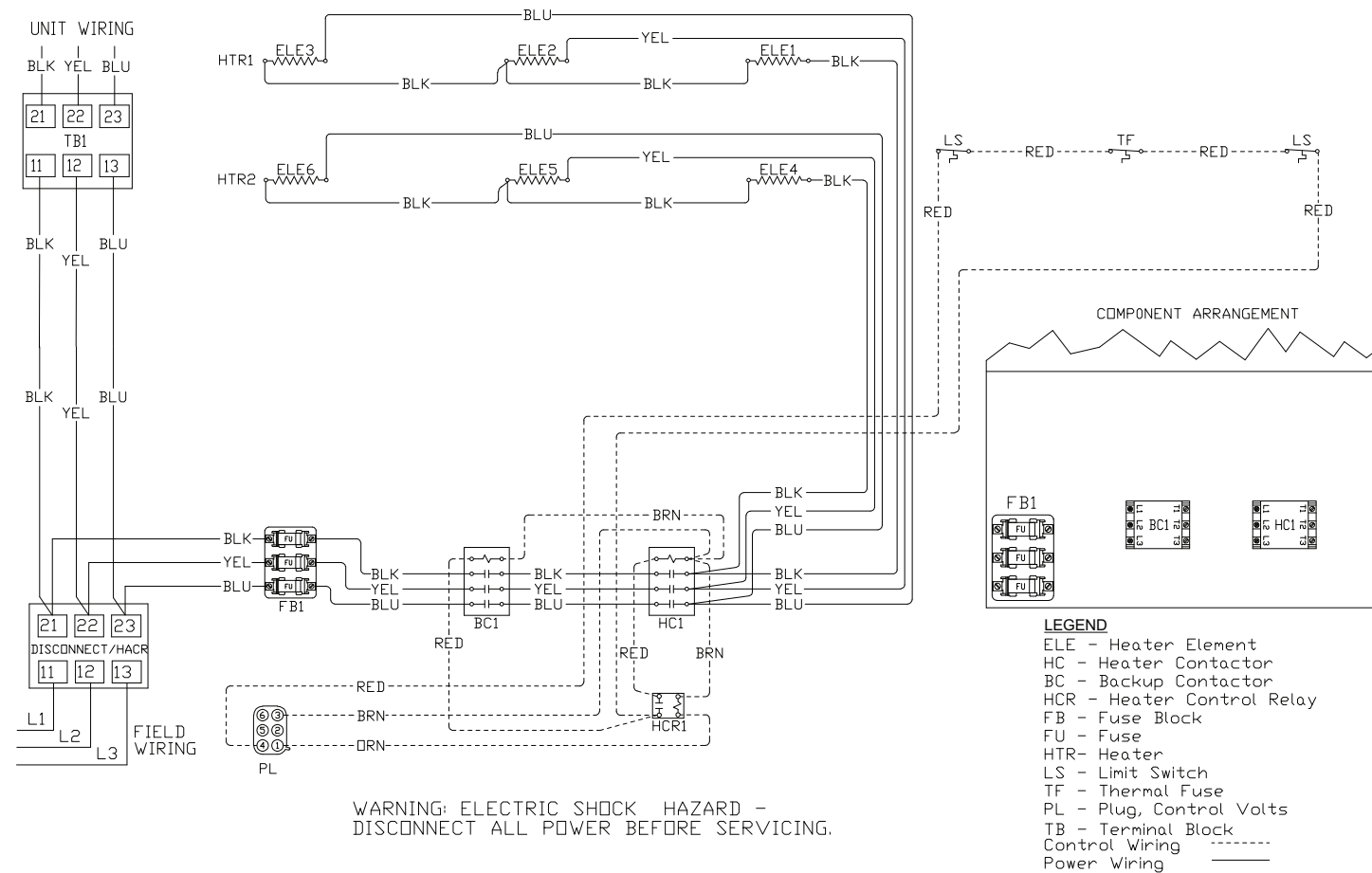


Fig. 17 — CRHEATER278B00 and CRHEATER287B00 — 74.4 kW, 600-v, 60 Hz



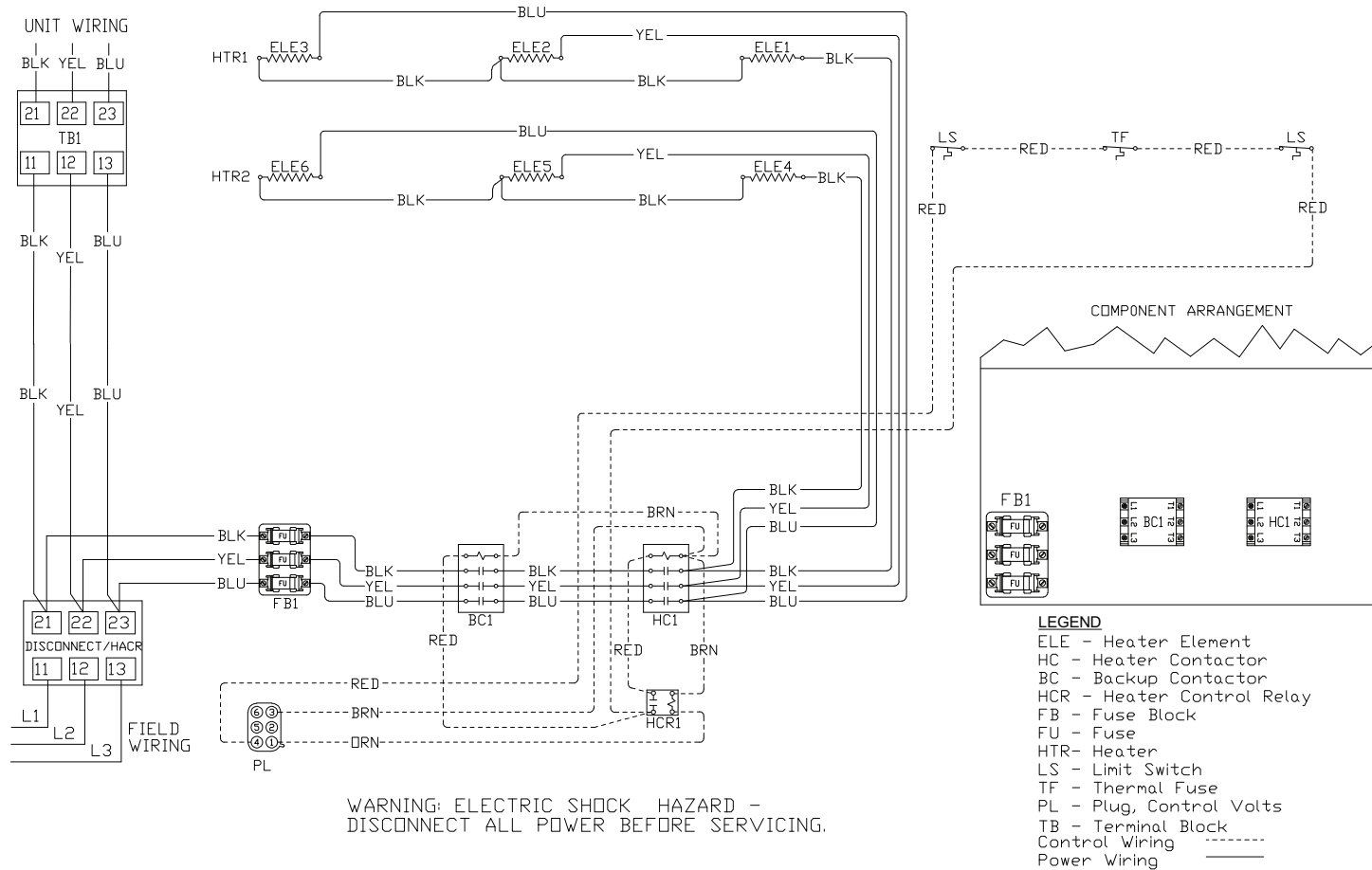
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
11.3/15.0	208 / 240	3	60	24	1	50A - 250V	K5

Fig. 18 — CRHEATER305B00 — 11.3/15.0 kW, 208/240-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
15	480	3	60	24	1	25A - 480V	T

Fig. 19 — CRHEATER306B00 — 15 kW, 480-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
15	600	3	60	24	1	20A - 600V	T

Fig. 20 — CRHEATER307B00 — 15 kW, 600-v, 60 Hz

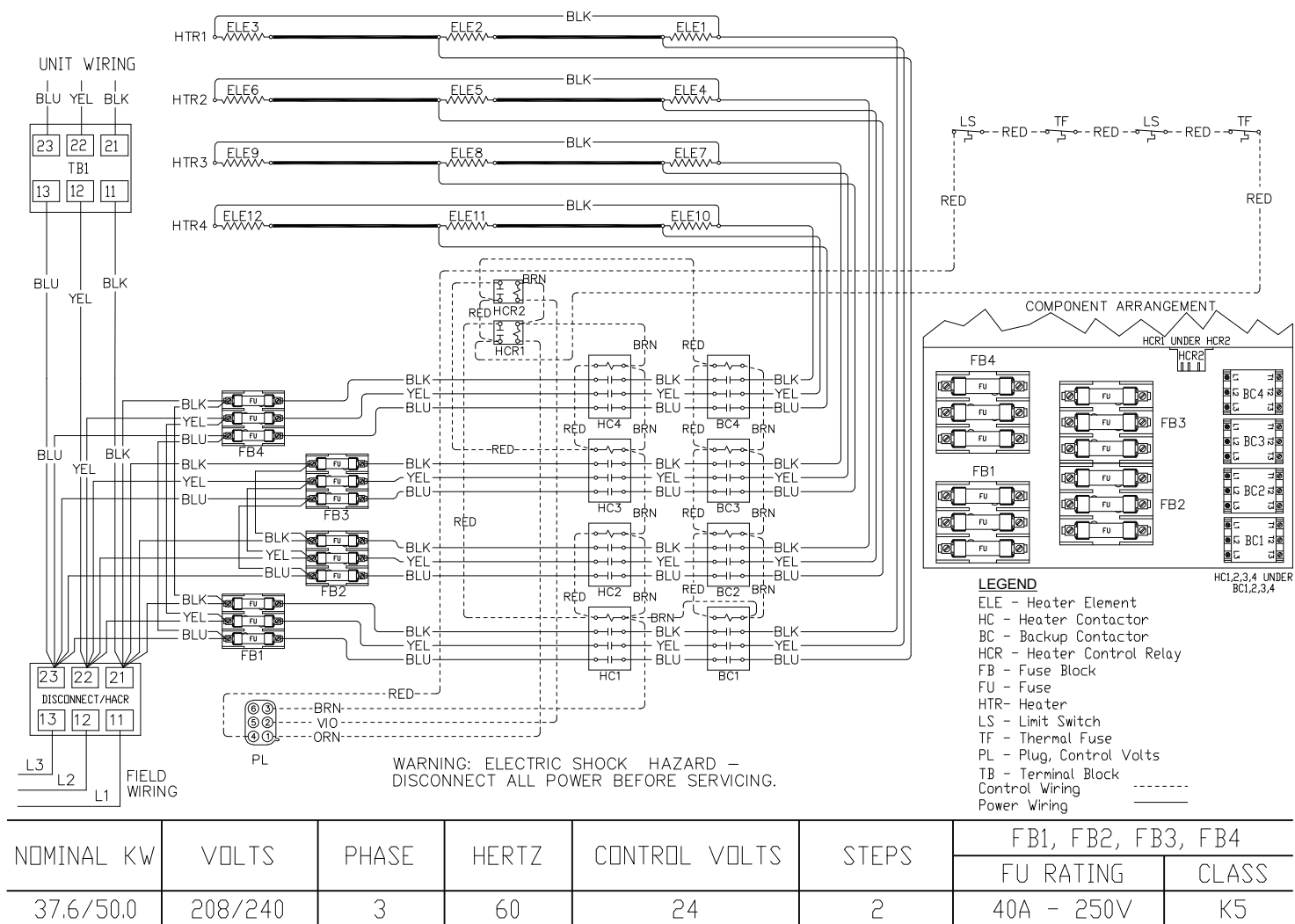
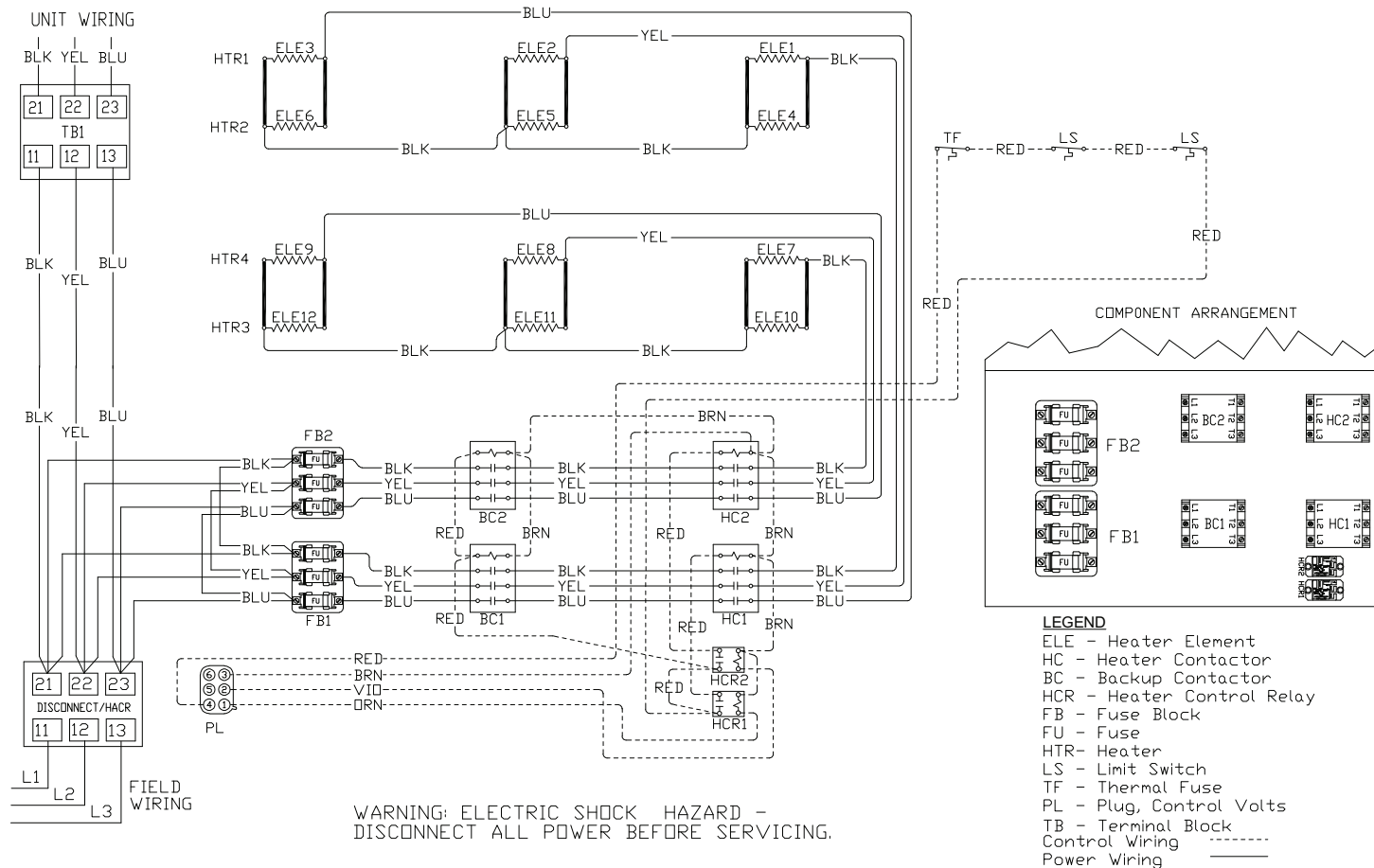
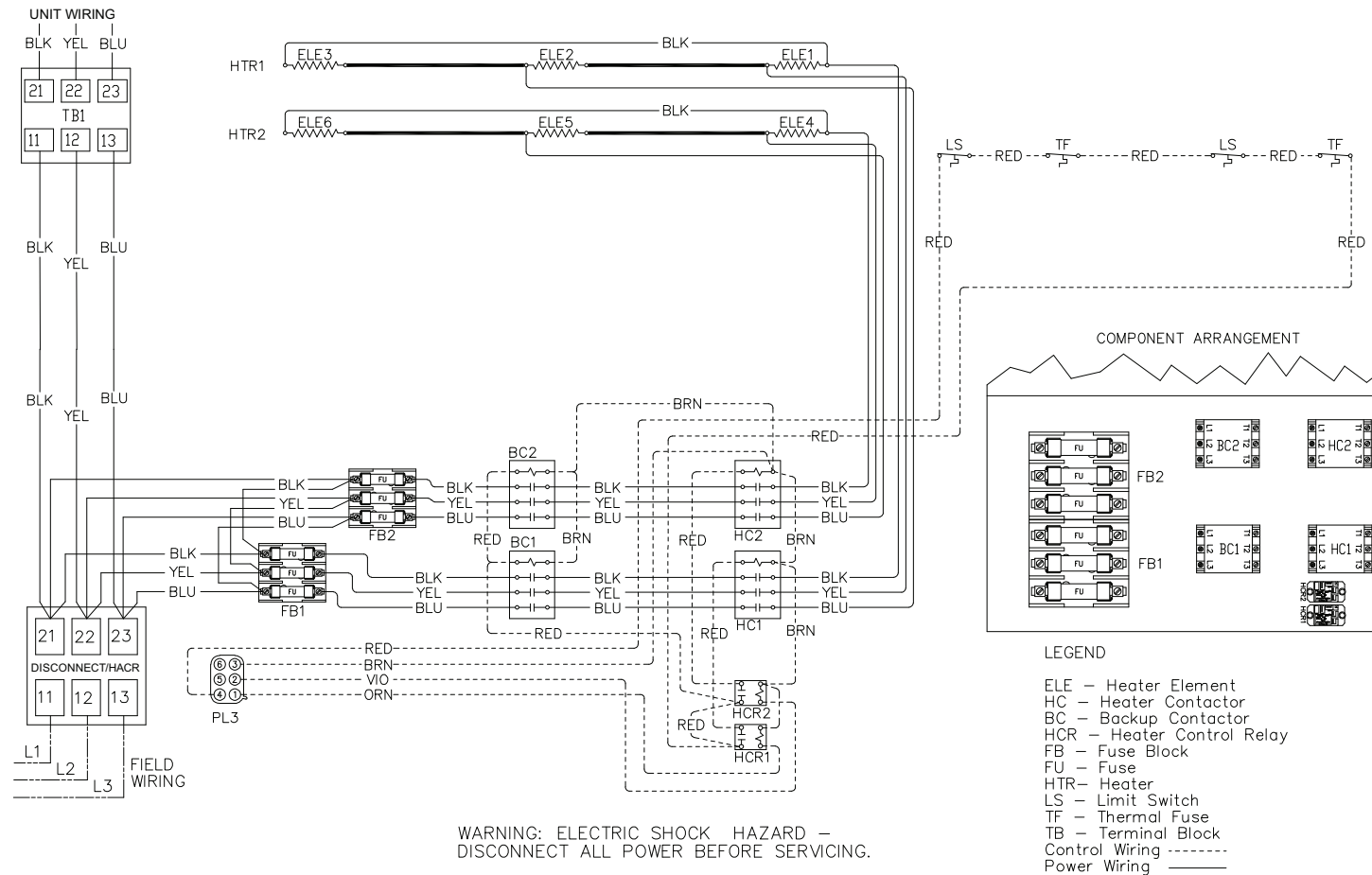


Fig. 21 — CRHEATER280B00, CRHEATER309B00 and CRHEATER312B00 — 37.6/50 kW, 208/240-v, 60 Hz



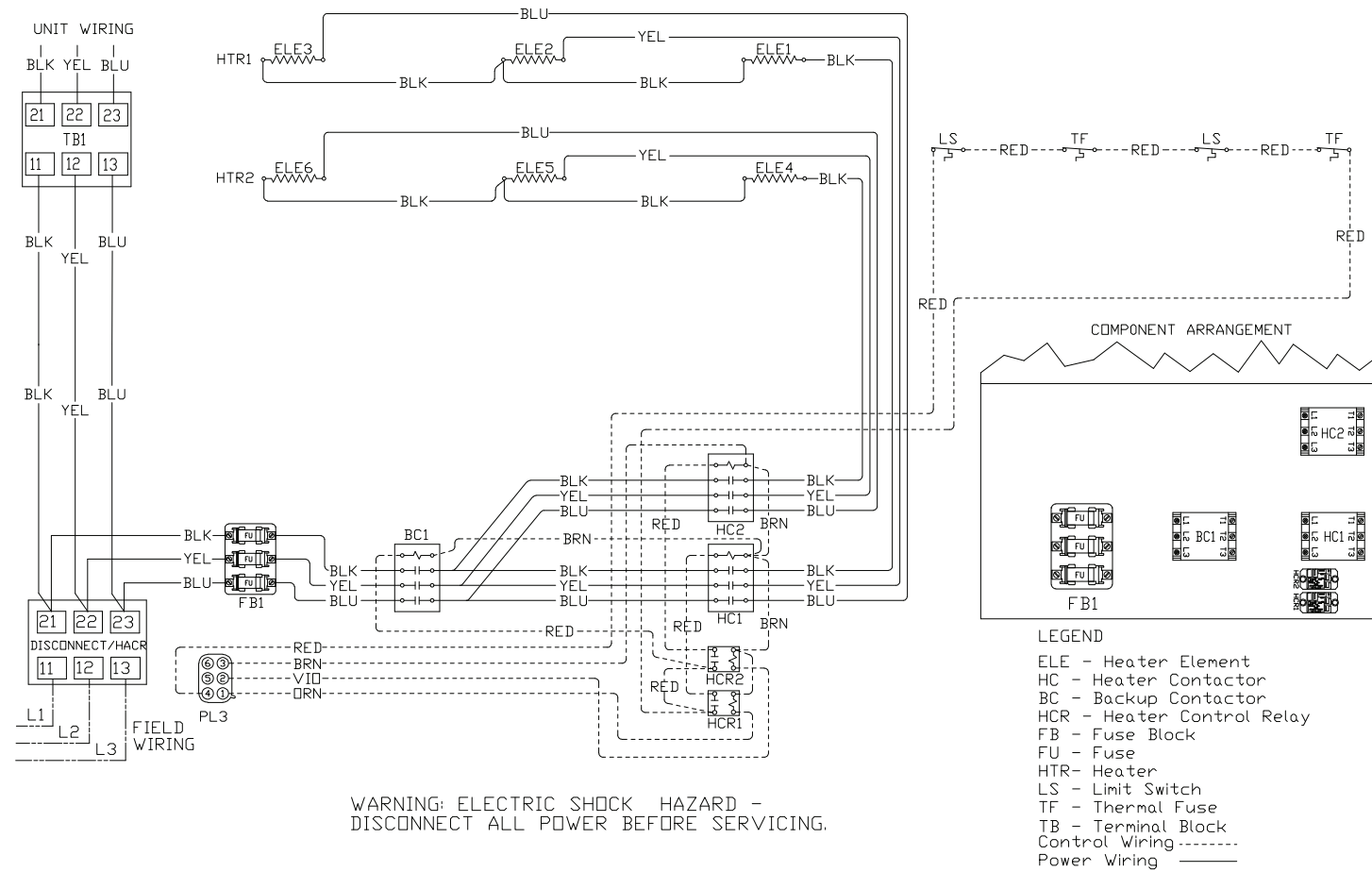
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
50.0	480	3	60	24	2	40A - 480V	T

Fig. 22 — CRHEATER313B00 — 50 kW, 480-v, 60 Hz



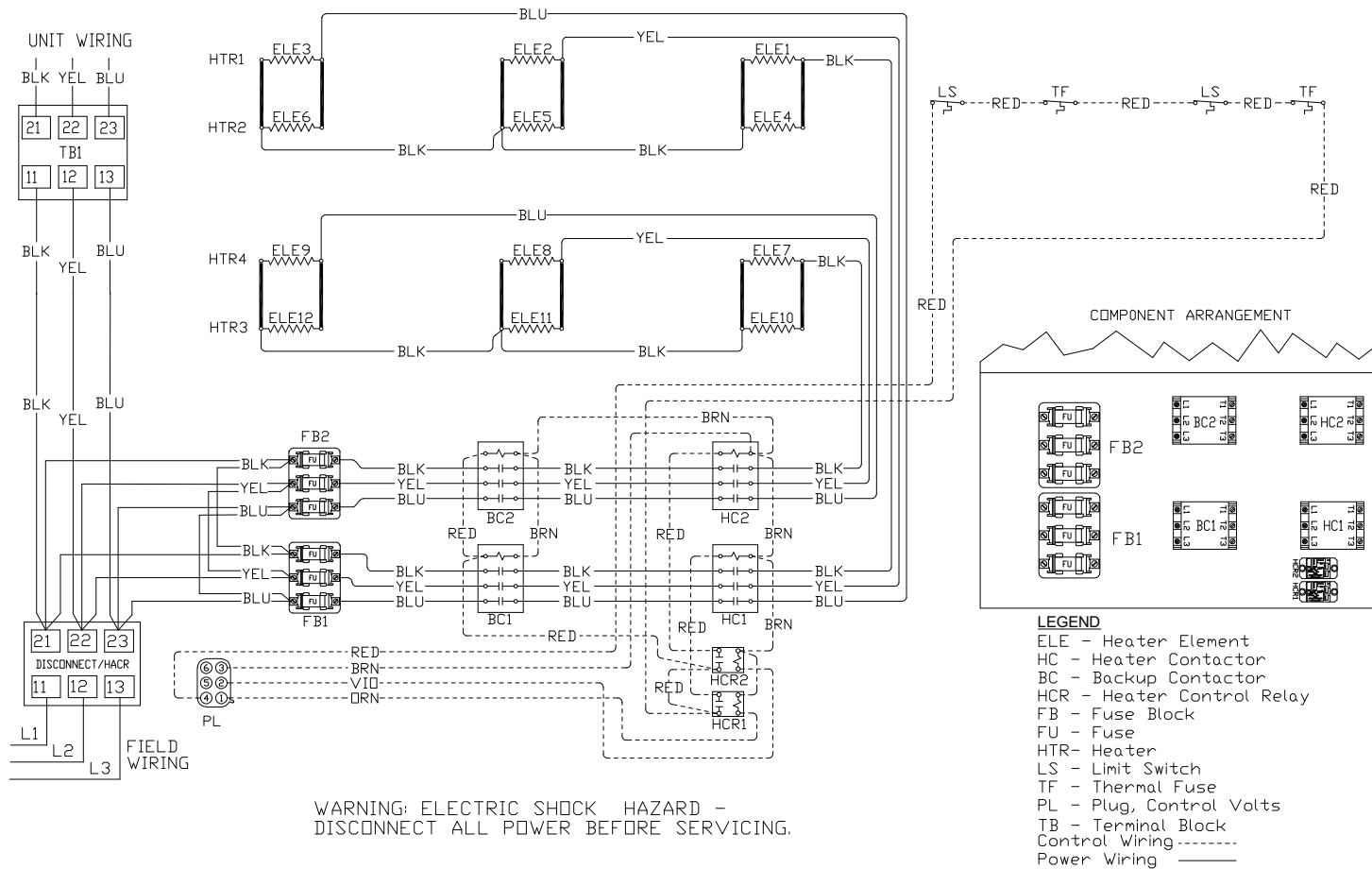
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
18.8/25.0	208 / 240	3	60	24	2	40A - 250V	K5

Fig. 23 — CRHEATER279B00 — 18.8/25 kW, 208/240-v, 60 Hz



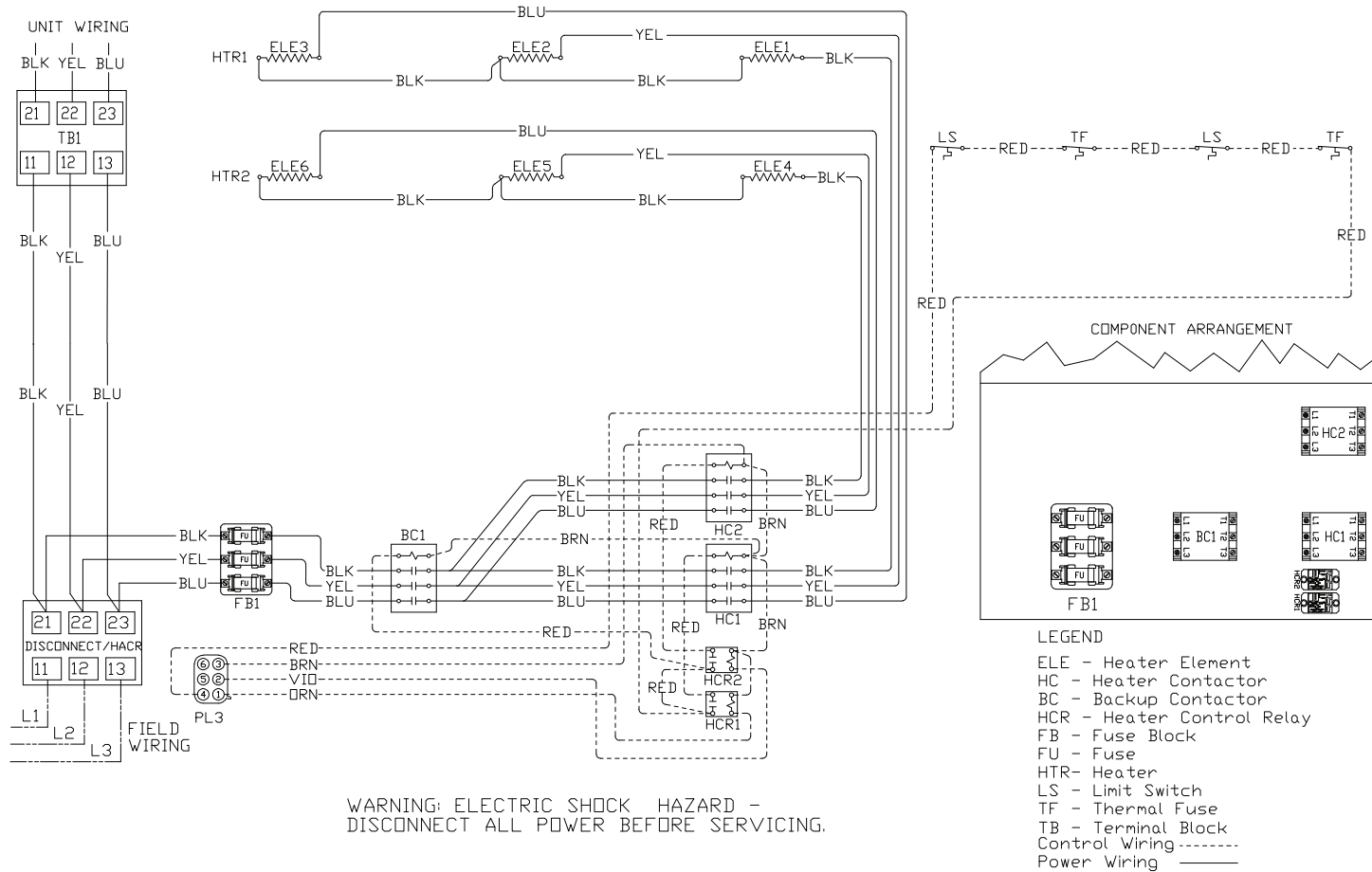
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
25.0/17.4	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 24 — CRHEATER282B00 — 25/17.4 kW, 480/400-v, 60/50 Hz



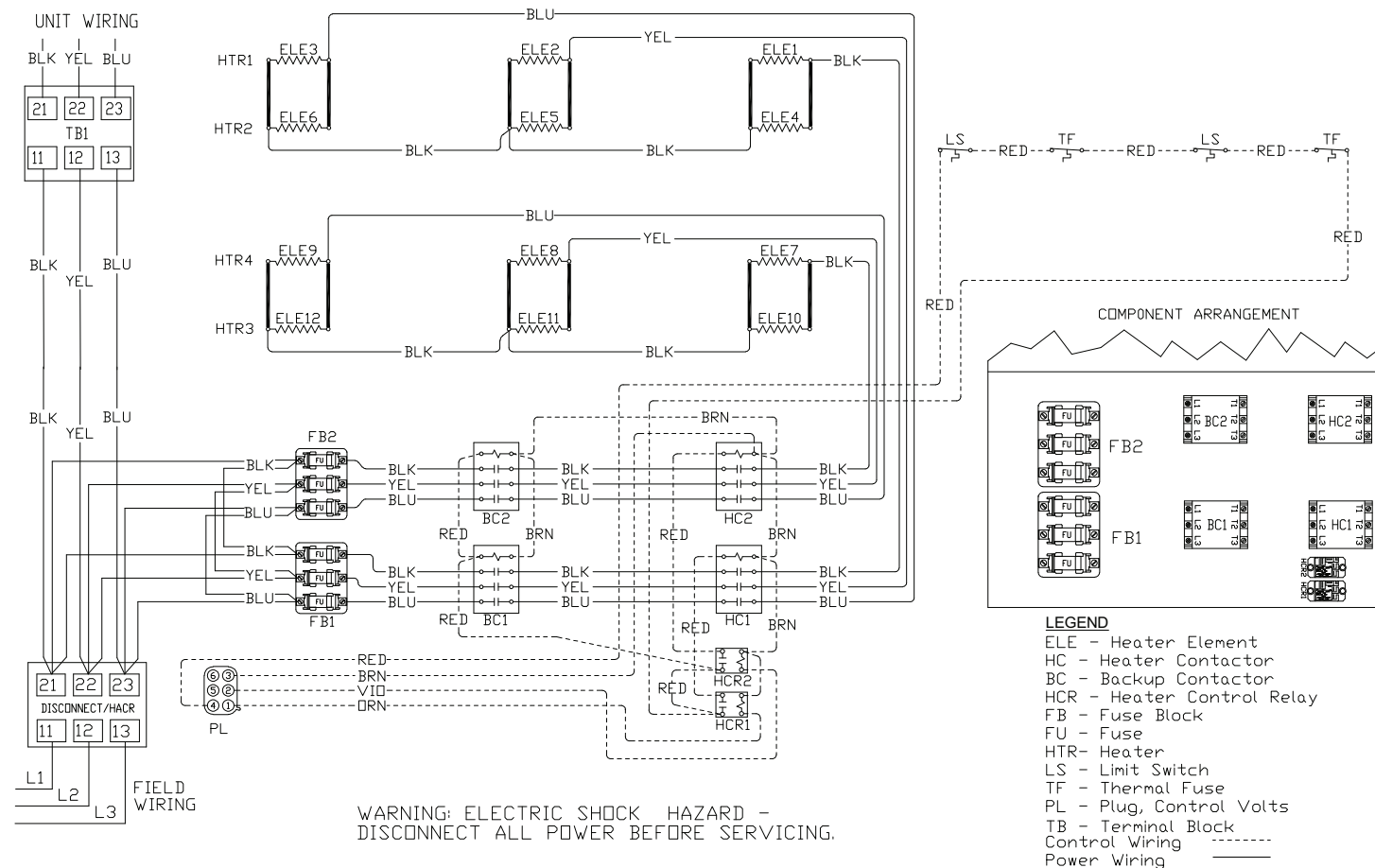
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
50.0/34.7	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 25 — CRHEATER283B00 — 50/34.7 kW, 480/400-v, 60/50 Hz



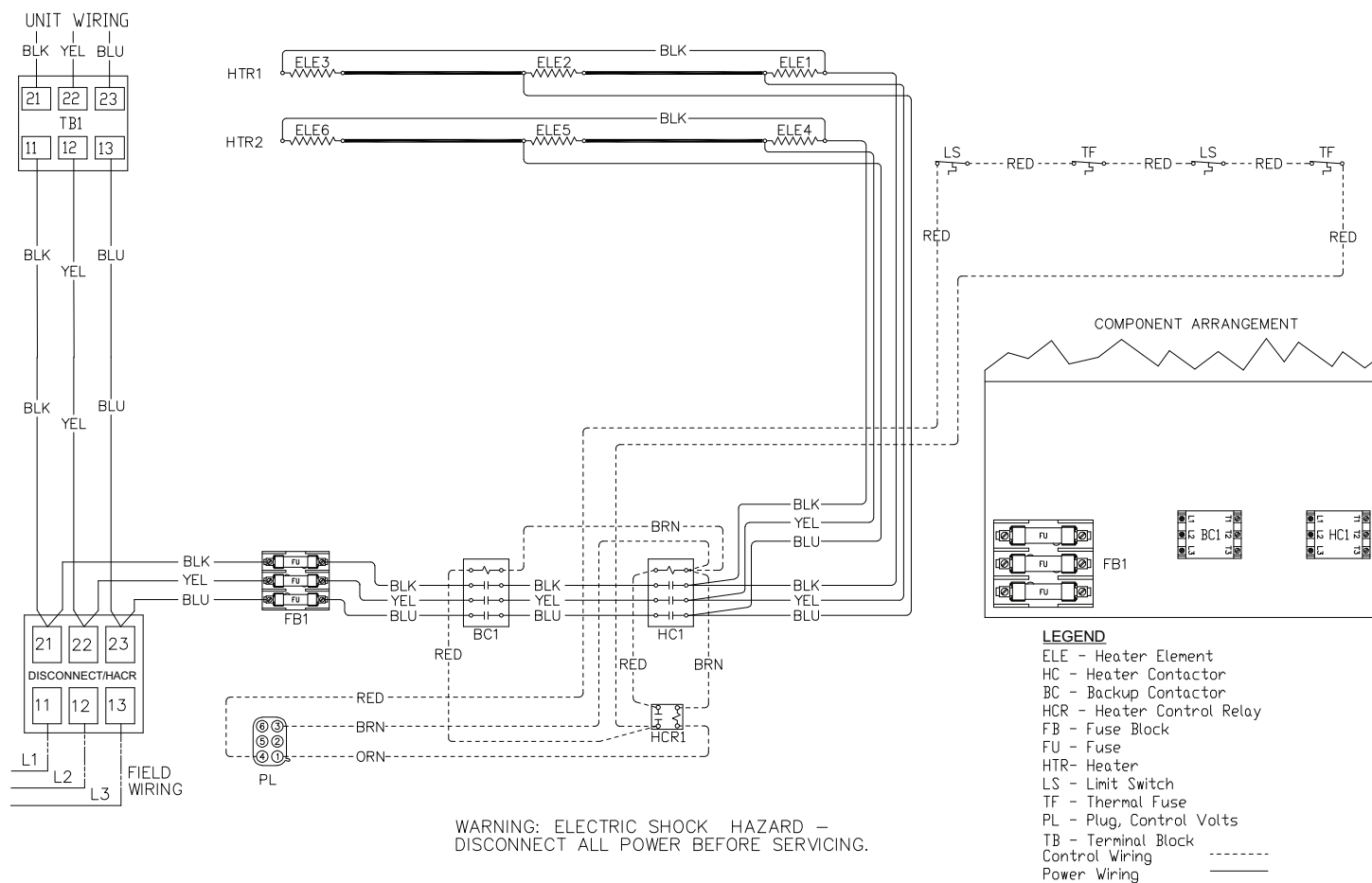
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
24.8	600	3	60	24	2	30A - 600V	T

Fig. 26 — CRHEATER285B00 — 24.8 kW, 600-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
49.6	600	3	60	24	2	30A - 600V	T

Fig. 27 — CRHEATER286B00 and CRHEATER311B00 — 49.6 kW, 600-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
11.3/15.0	208 / 240	3	60	24	1	50A - 250V	K5

Fig. 28 — CRHEATER302B00 — 11.3/15.0 kW, 208/240-v, 60 Hz

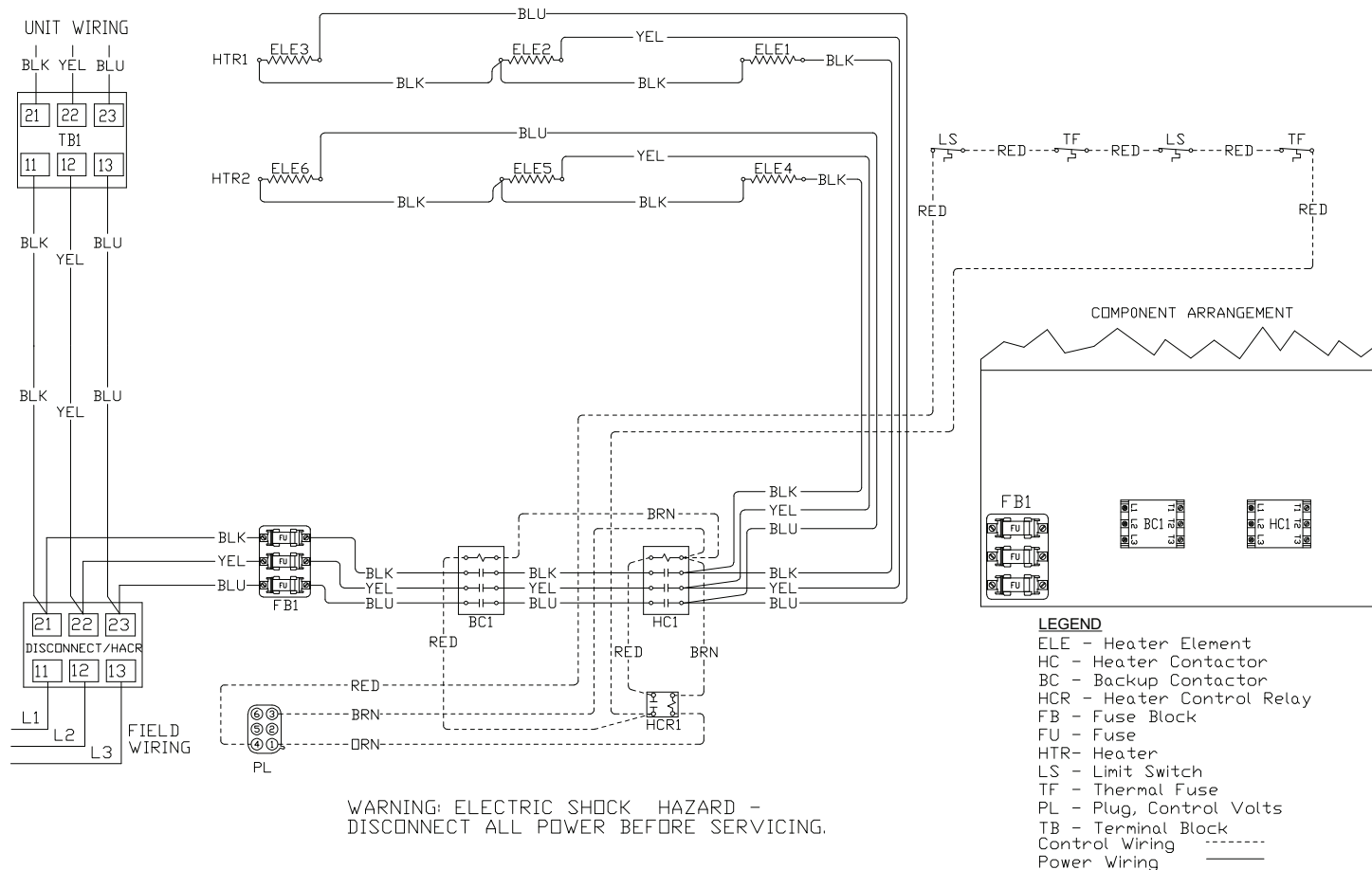
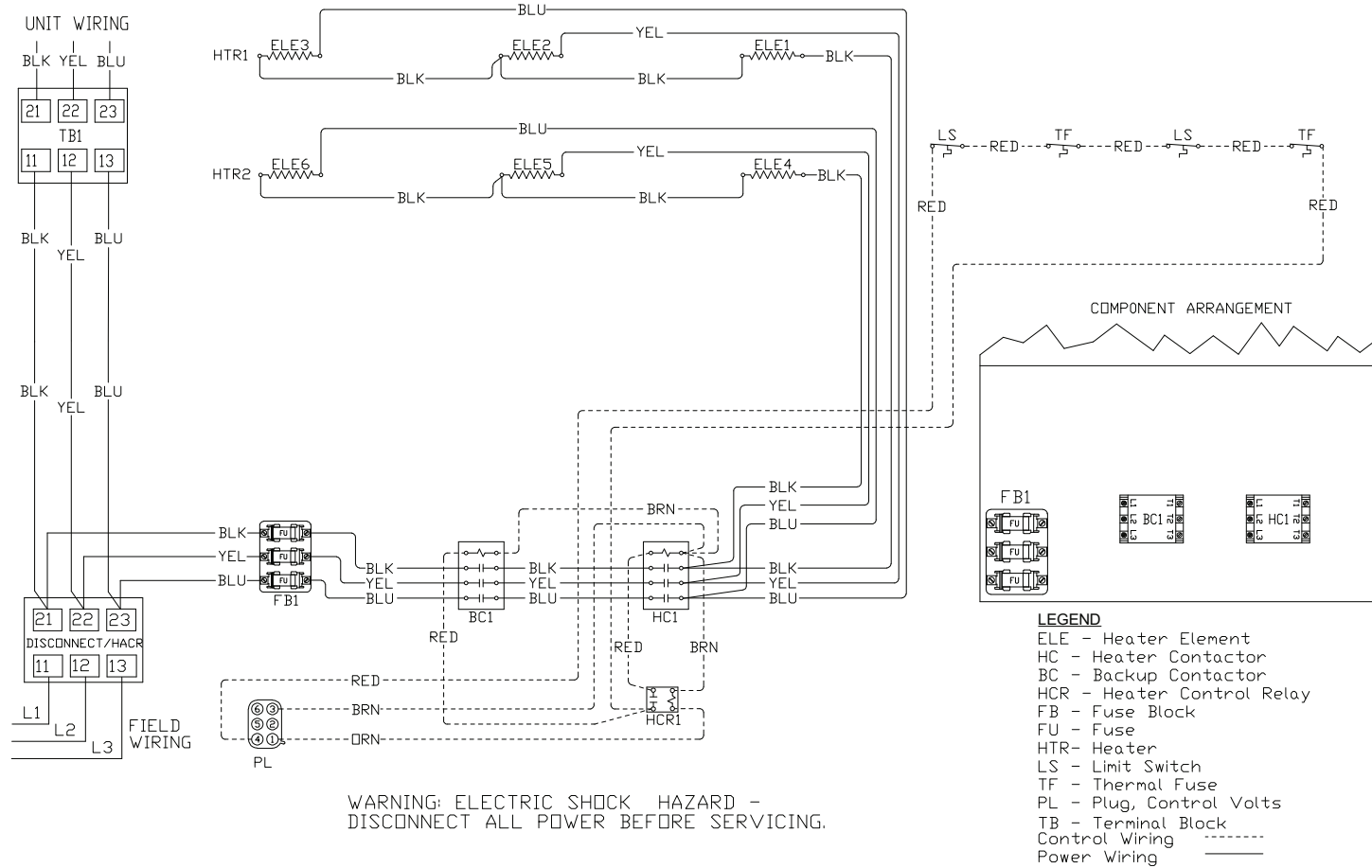
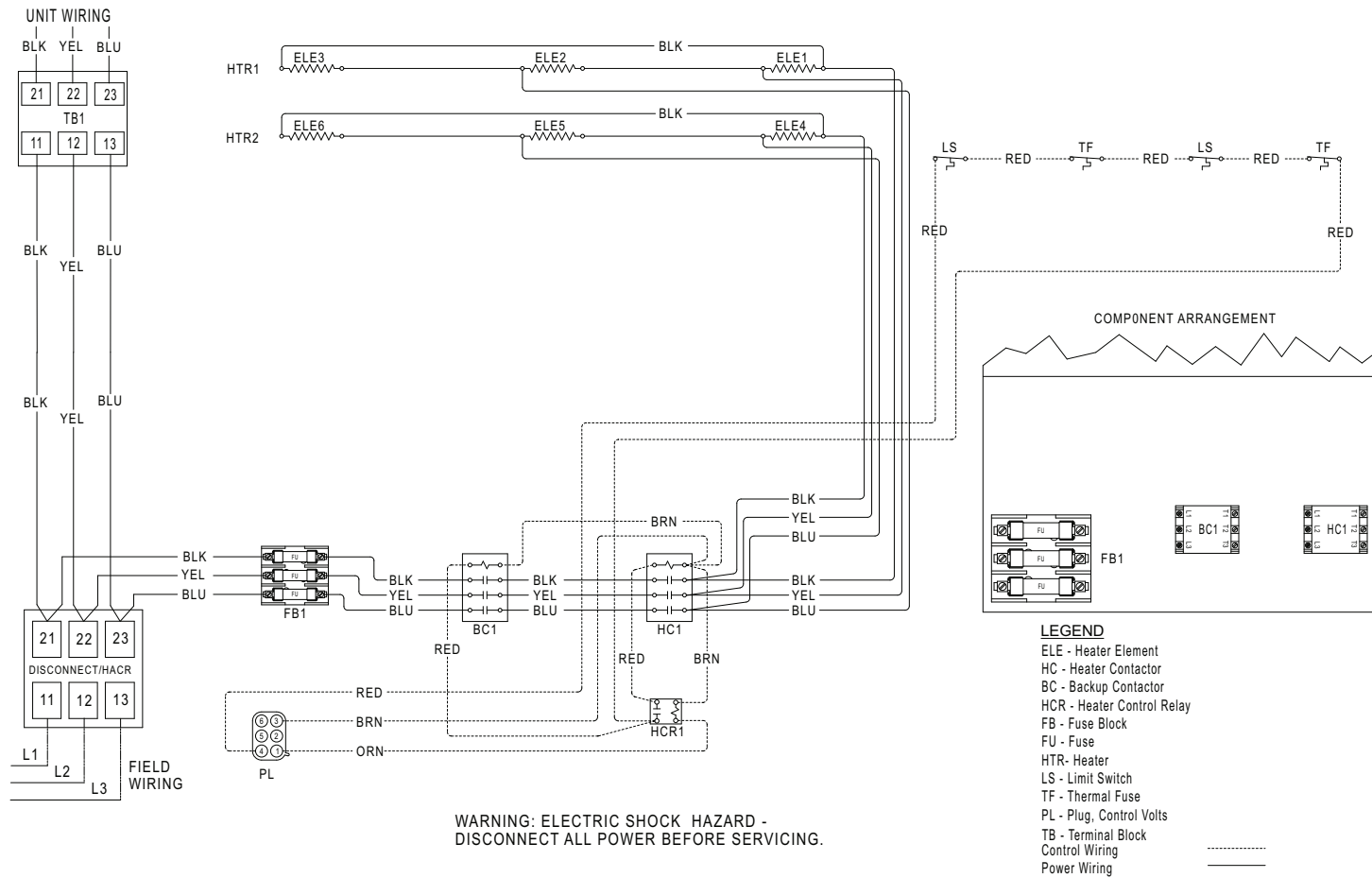


Fig. 29 — CRHEATER303B00 — 15 kW, 480-v, 60 Hz



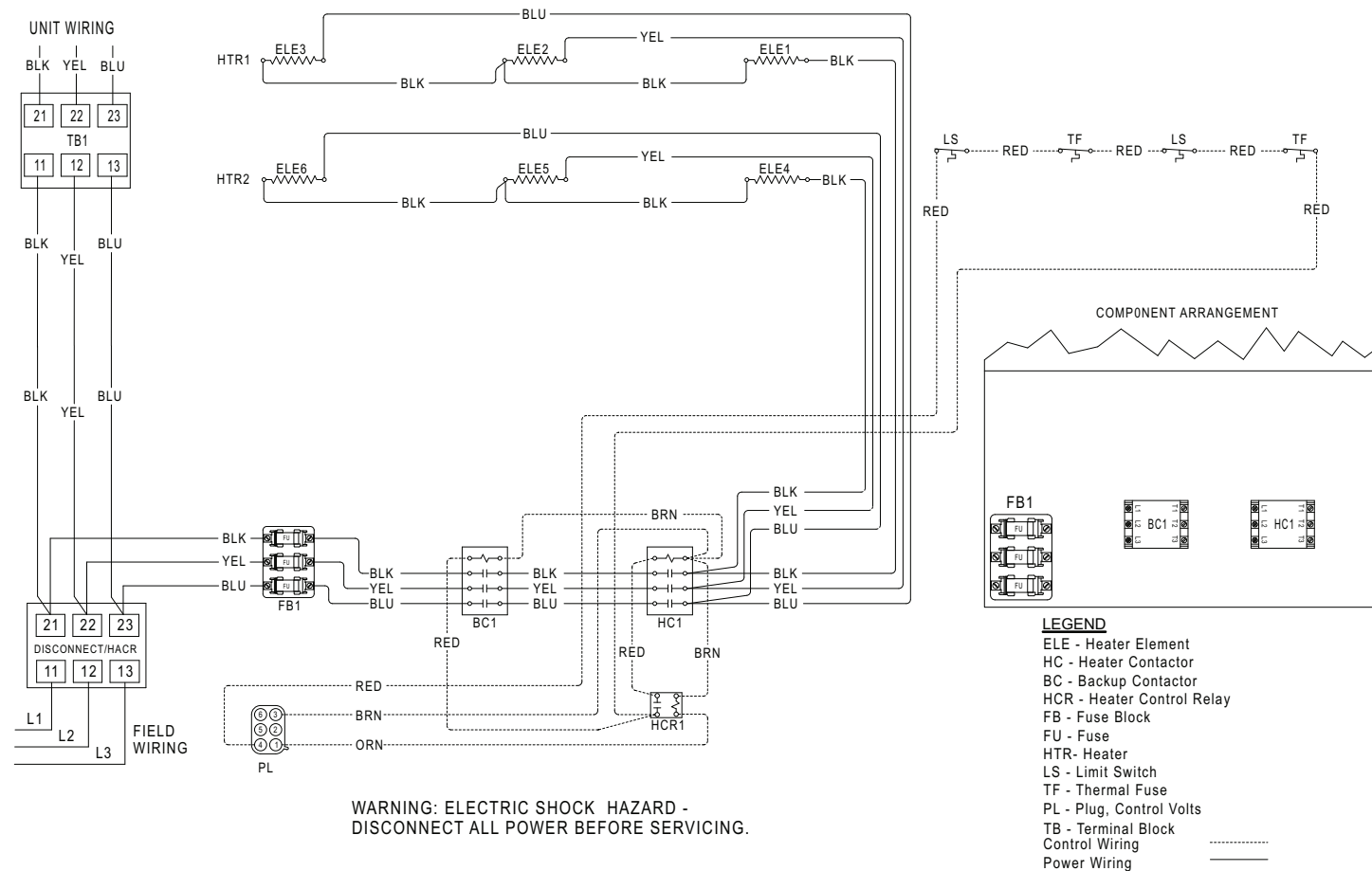
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
15	600	3	60	24	1	20A - 600V	T

Fig. 30 — CRHEATER304B00 — 15 kW, 600-v, 60 Hz



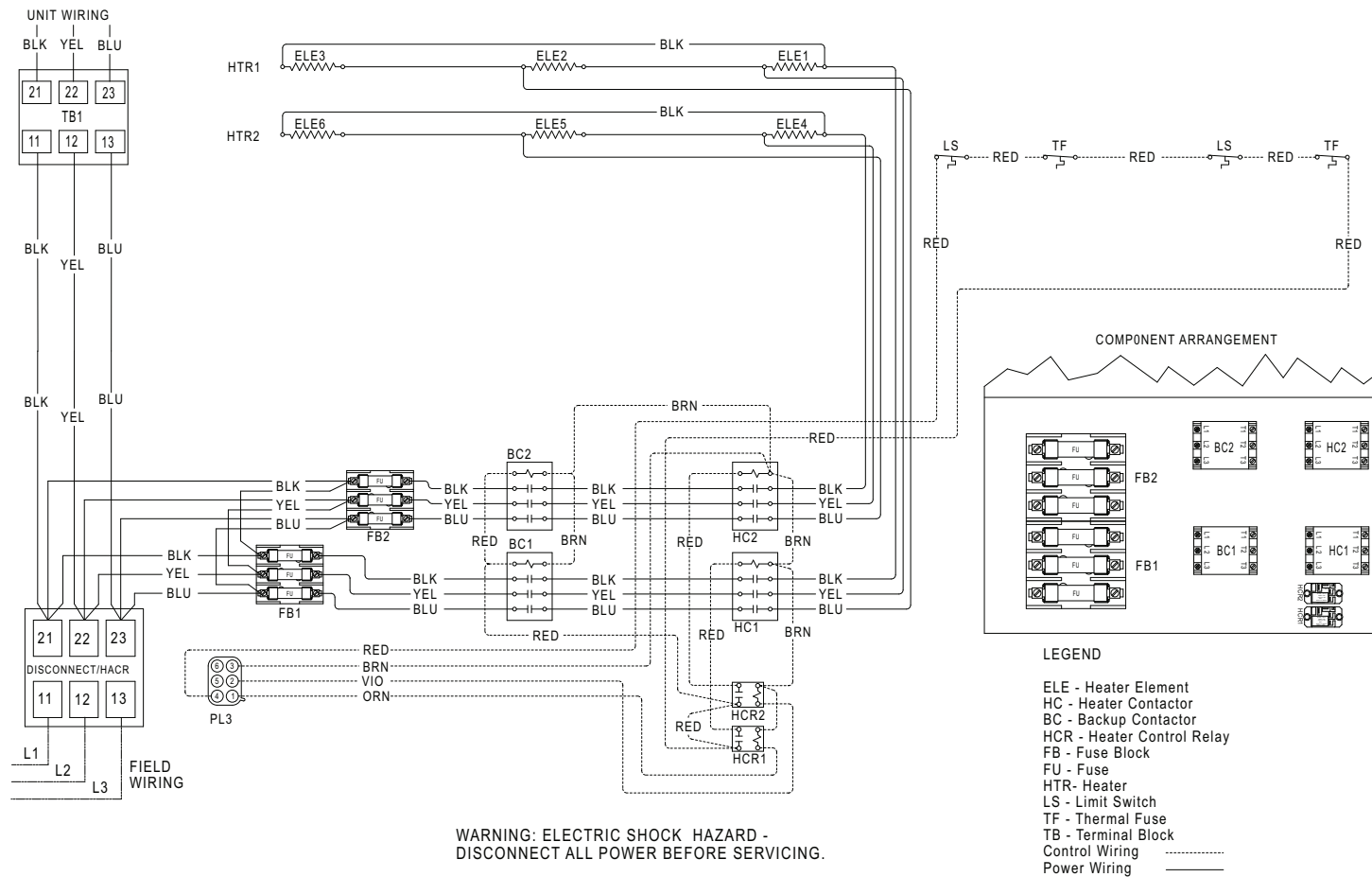
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
11.3/15.0	208 / 240	3	60	24	1	50A - 250V	K5

Fig. 31 — CRHEATER400B00 — 11.3/15.0 kW, 208/240-v, 60 Hz



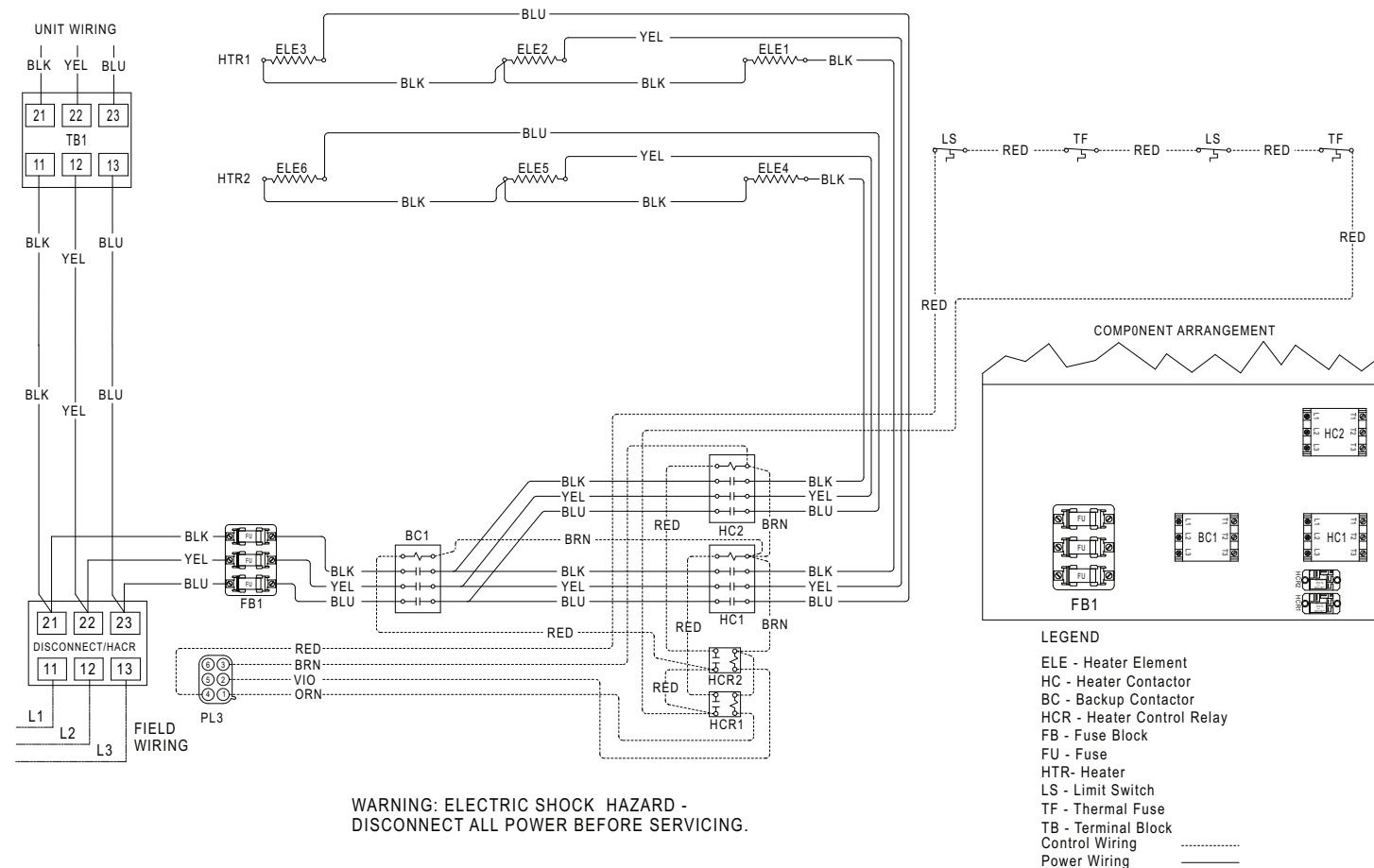
NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1	
						FU RATING	CLASS
15	480	3	60	24	1	25A - 480V	T

Fig. 32 — CRHEATER401B00 — 15 kW, 480-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
18.8/25.0	208 / 240	3	60	24	2	40A - 250V	K5

Fig. 33 — CRHEATER402B00 — 18.8/25 kW, 208/240-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
25.0/17.4	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 34 — CRHEATER403B00 — 25/17.4 kW, 480/400-v, 60/50 Hz

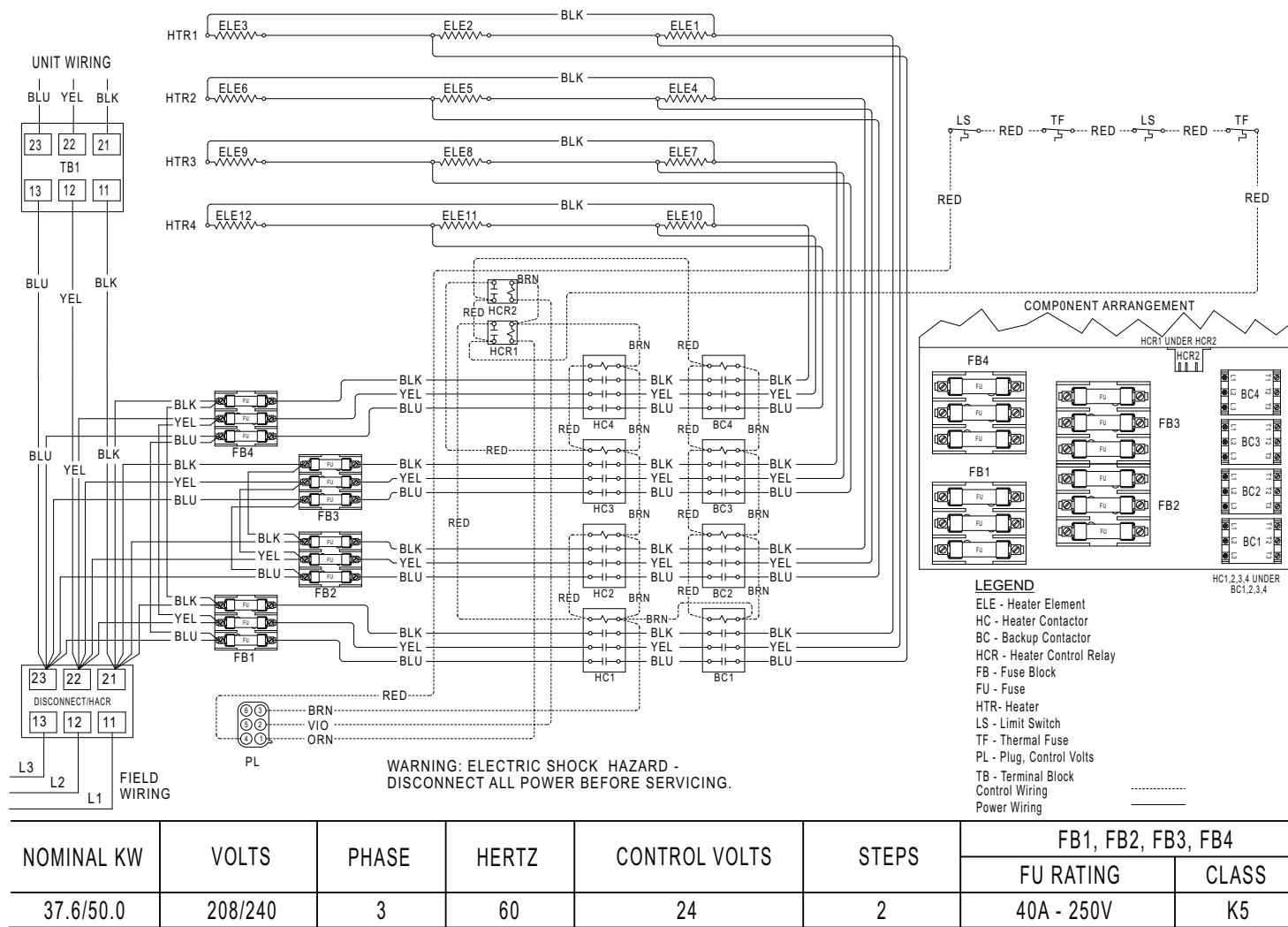
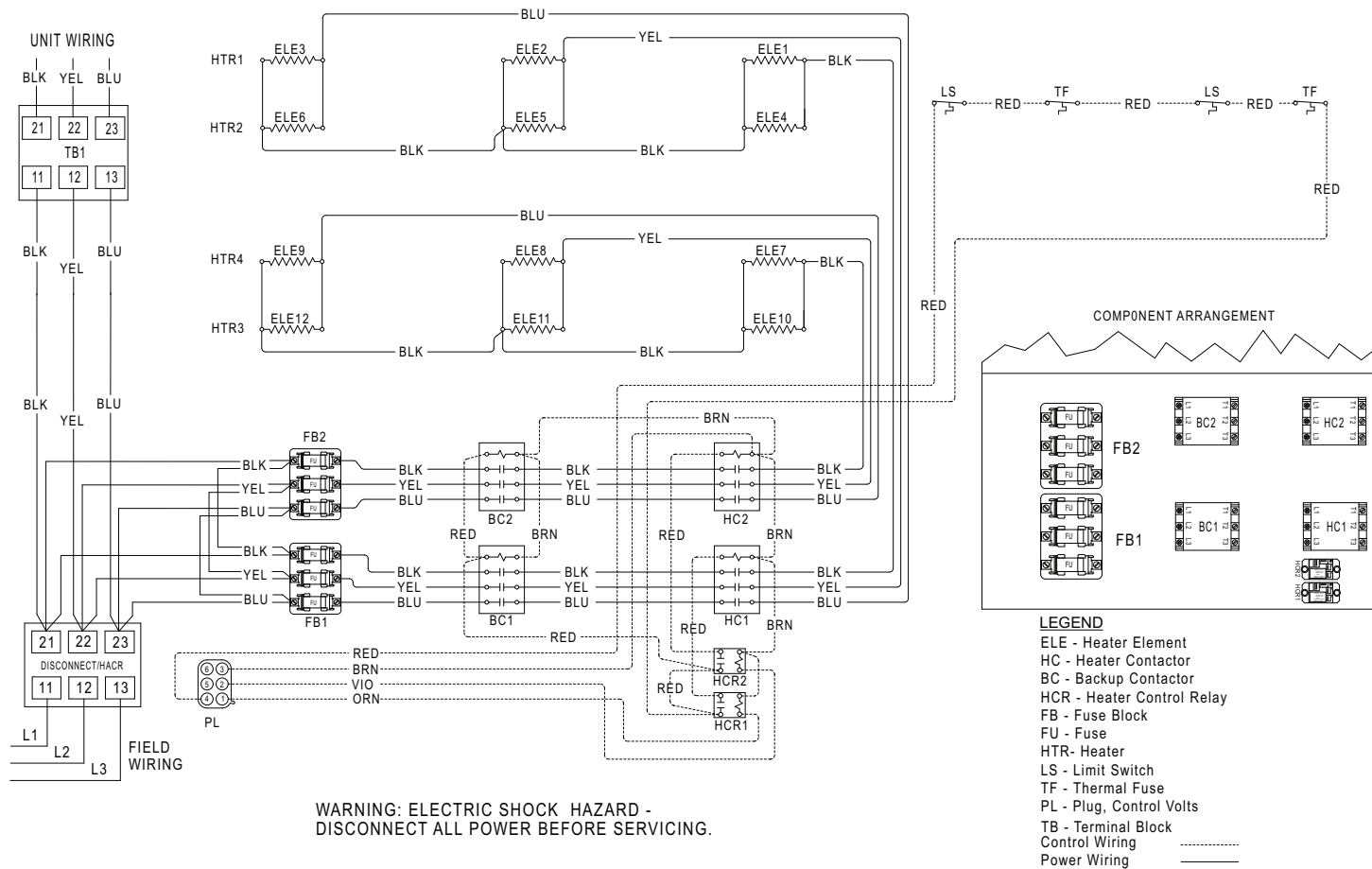


Fig. 35 — CRHEATER404B00 — 37.6/50 kW, 208/240-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
50.0/34.7	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 36 — CRHEATER405B00 — 50/34.7 kW, 480/400-v, 60/50 Hz

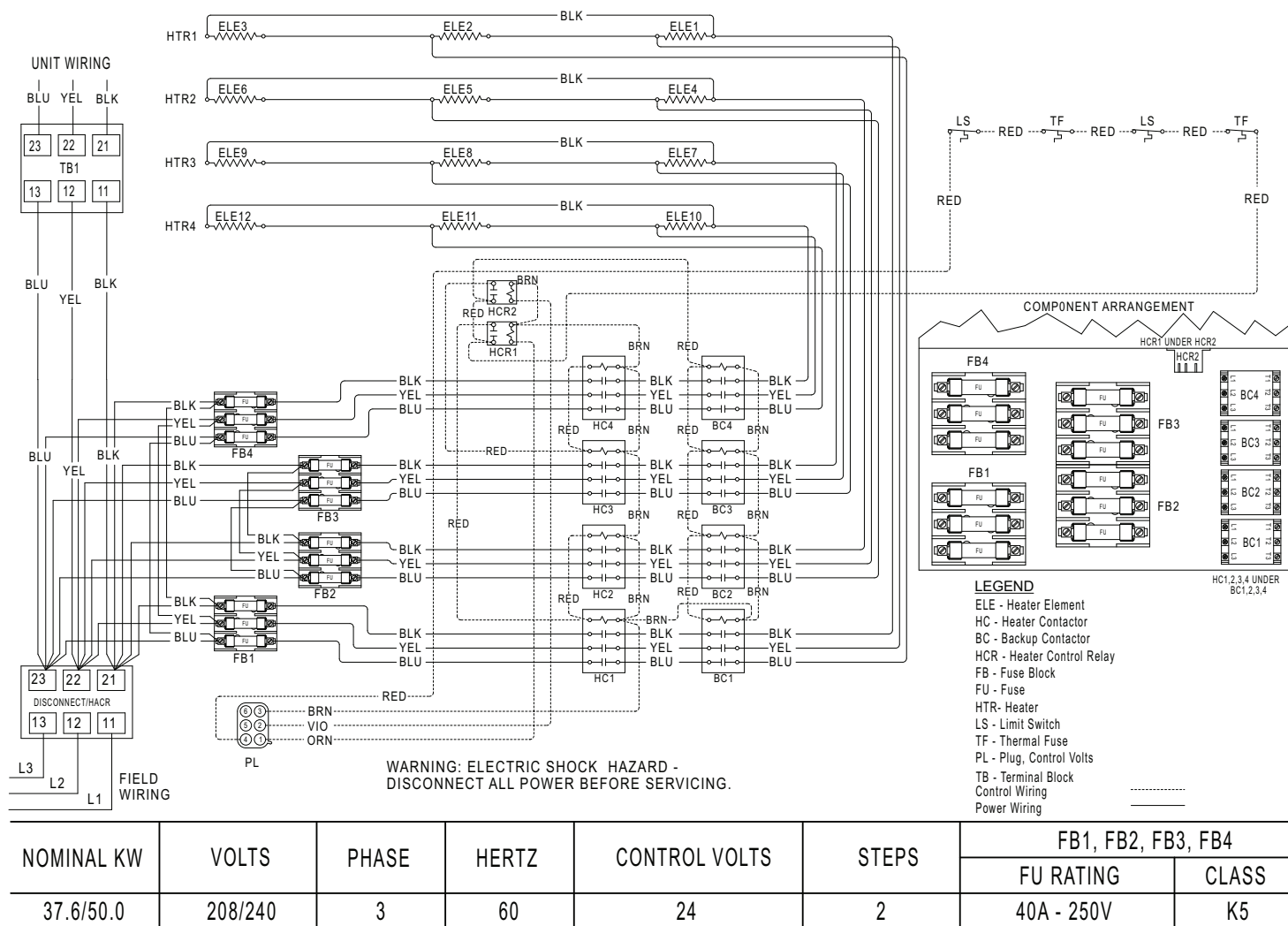
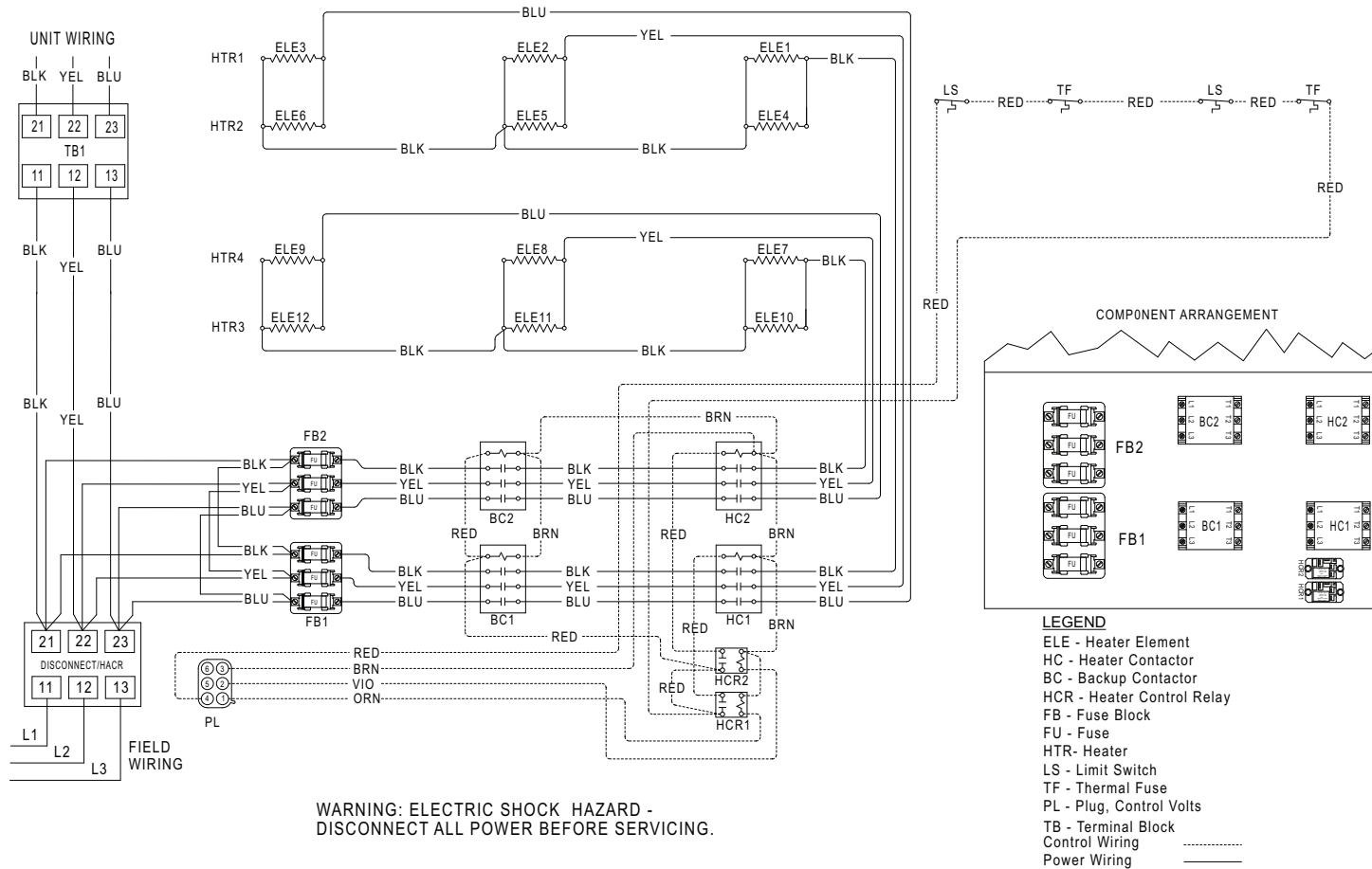


Fig. 37 — CRHEATER406B00 — 37.6/50 kW, 208/240-v, 60 Hz



NOMINAL KW	VOLTS	PHASE	HERTZ	CONTROL VOLTS	STEPS	FB1 & FB2	
						FU RATING	CLASS
50.0/34.7	480/400	3	60 / 50	24	2	40A - 600V	T

Fig. 38 — CRHEATER407B00 — 50/34.7 kW, 480/400-v, 60/50 Hz

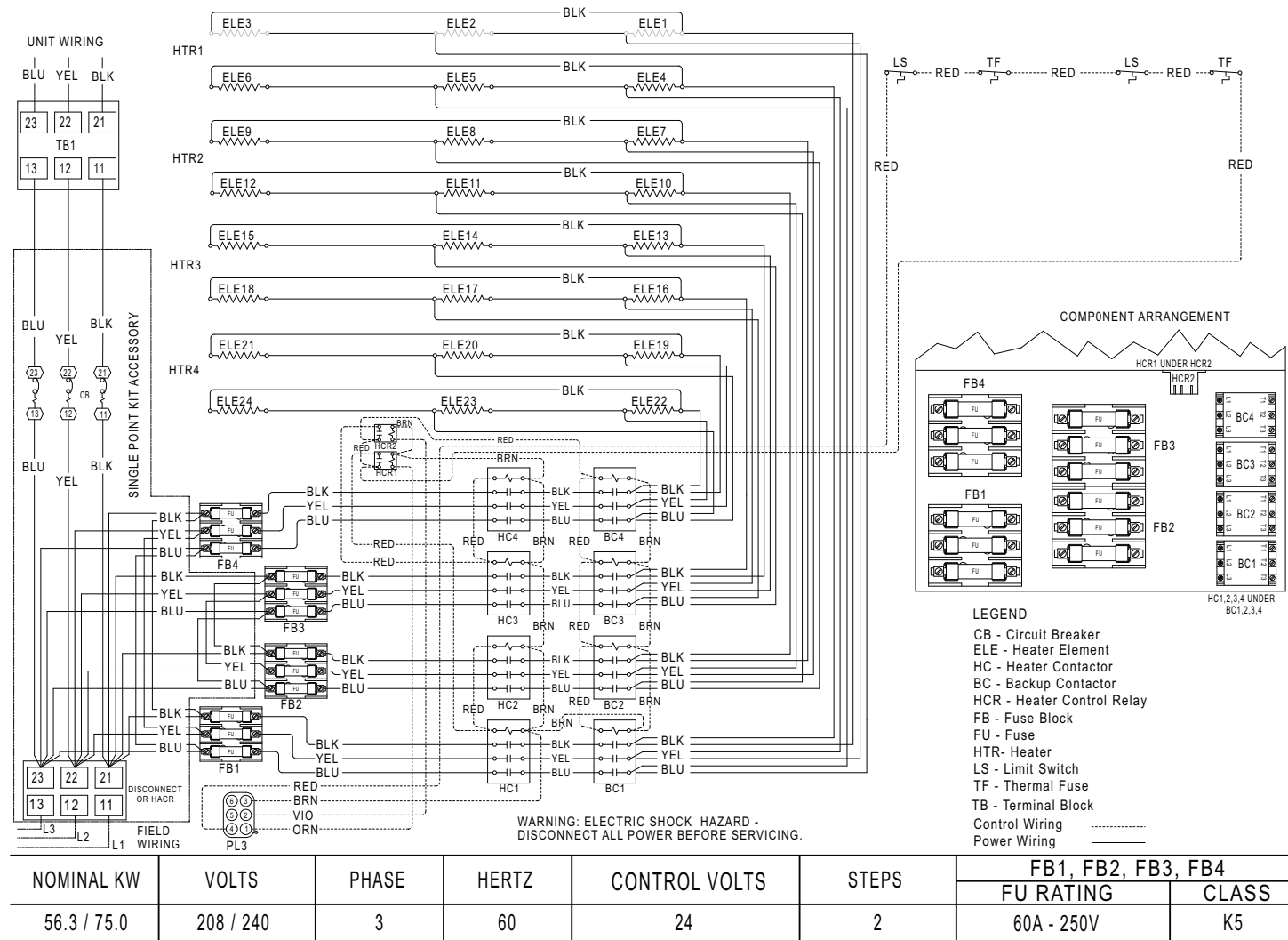


Fig. 39 — CRHEATER408B00 — 56.3/75 kW, 208/240-v, 60 Hz

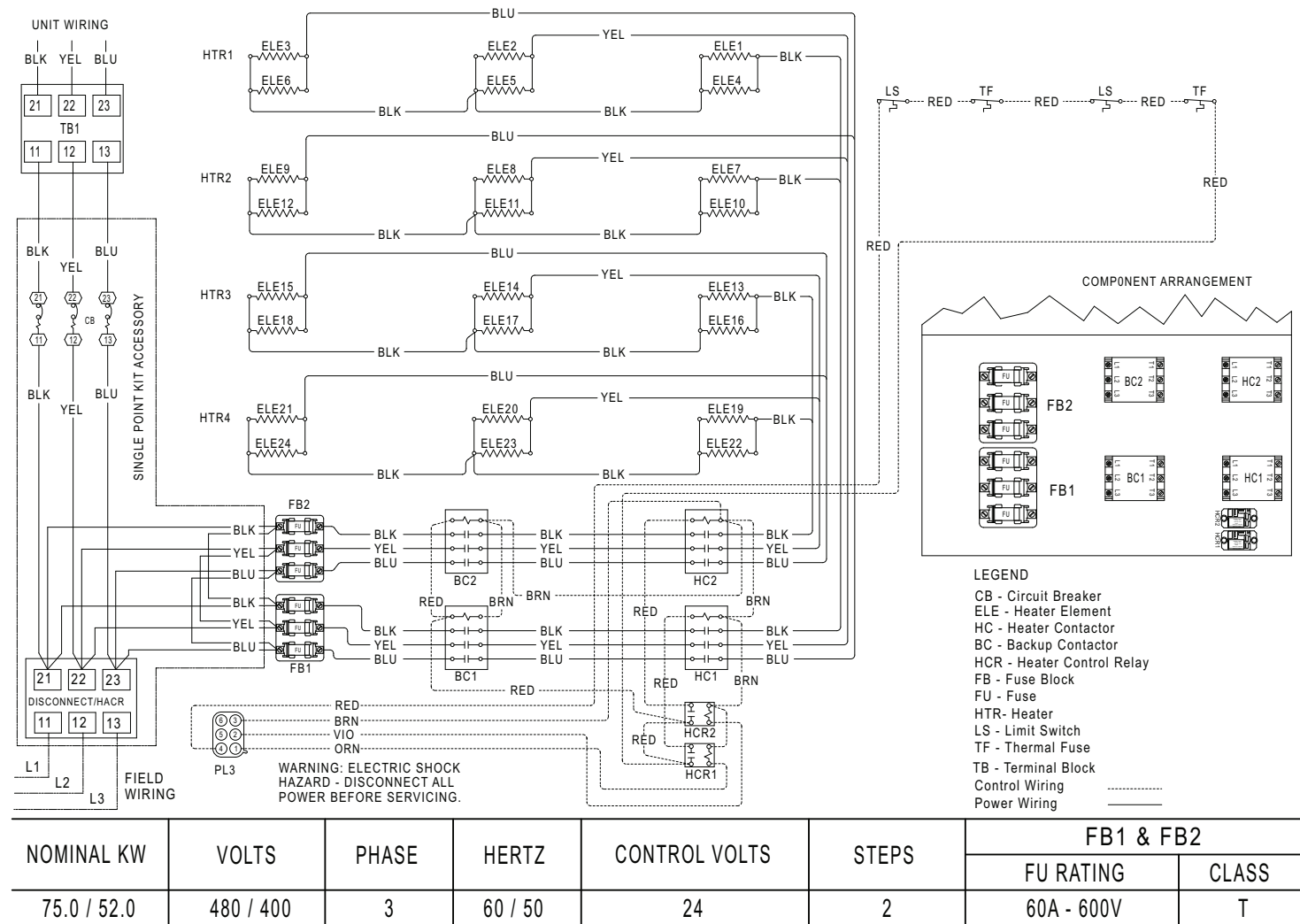


Fig. 40 — CRHEATER409B00 — 75/52.0 kW, 480/400-v, 60/50 Hz

