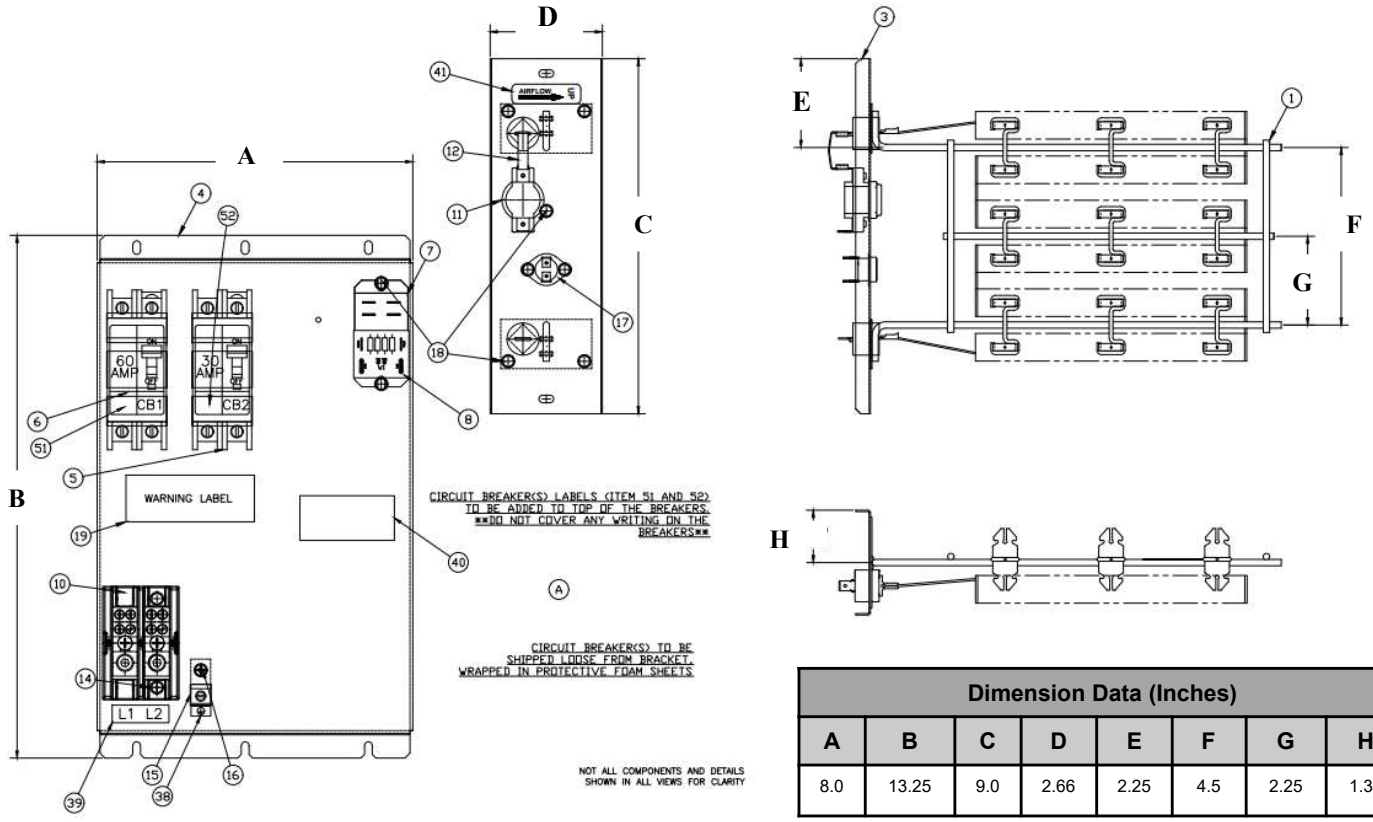
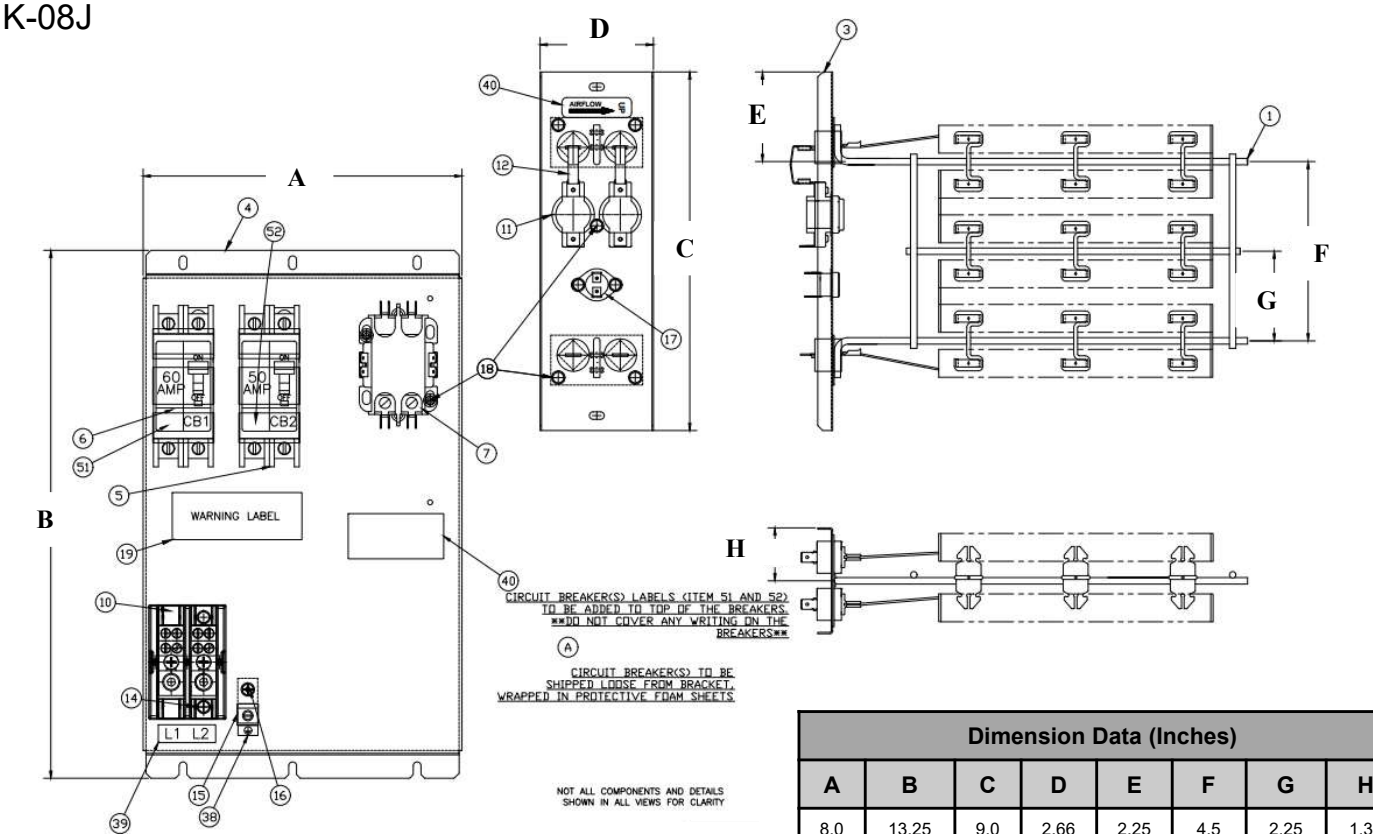
Electric Heater Dimension

EHK-05J



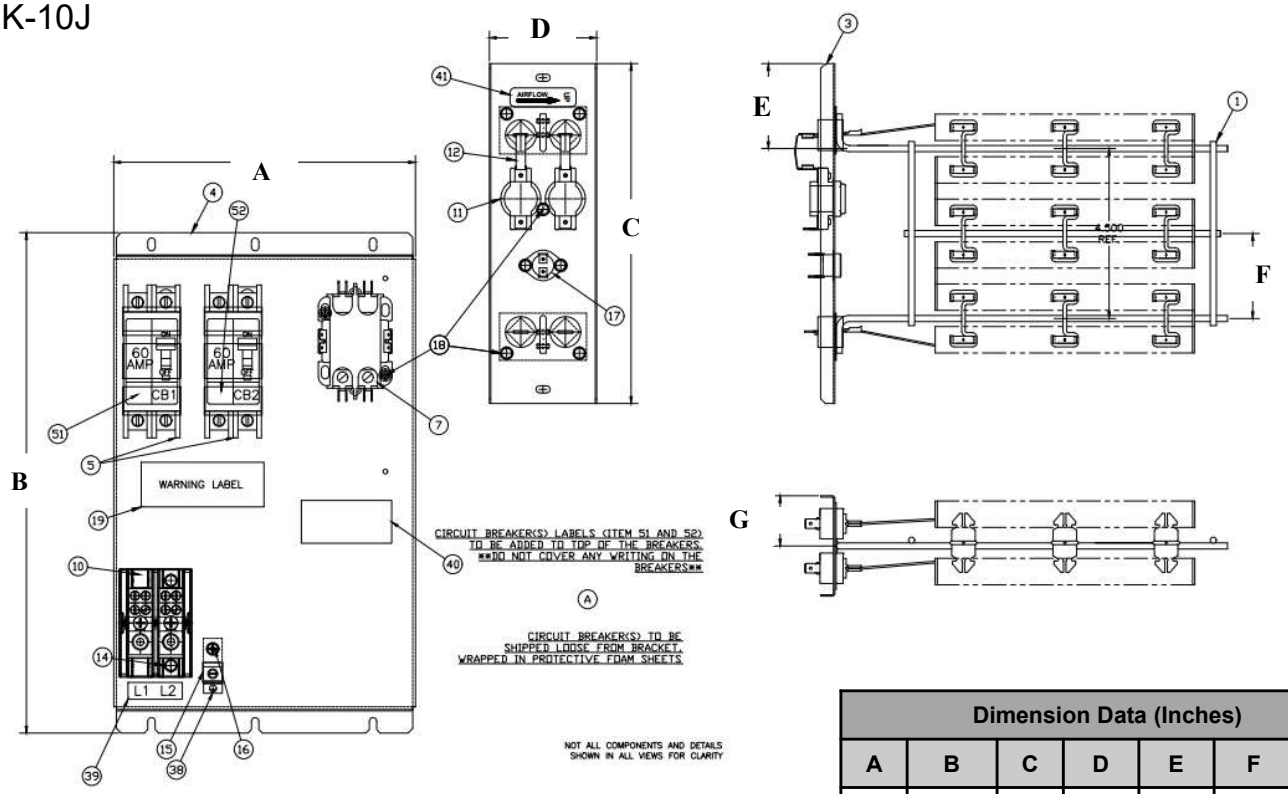
Dimension Data (Inches)							
A	B	C	D	E	F	G	H
8.0	13.25	9.0	2.66	2.25	4.5	2.25	1.33

EHK-08J



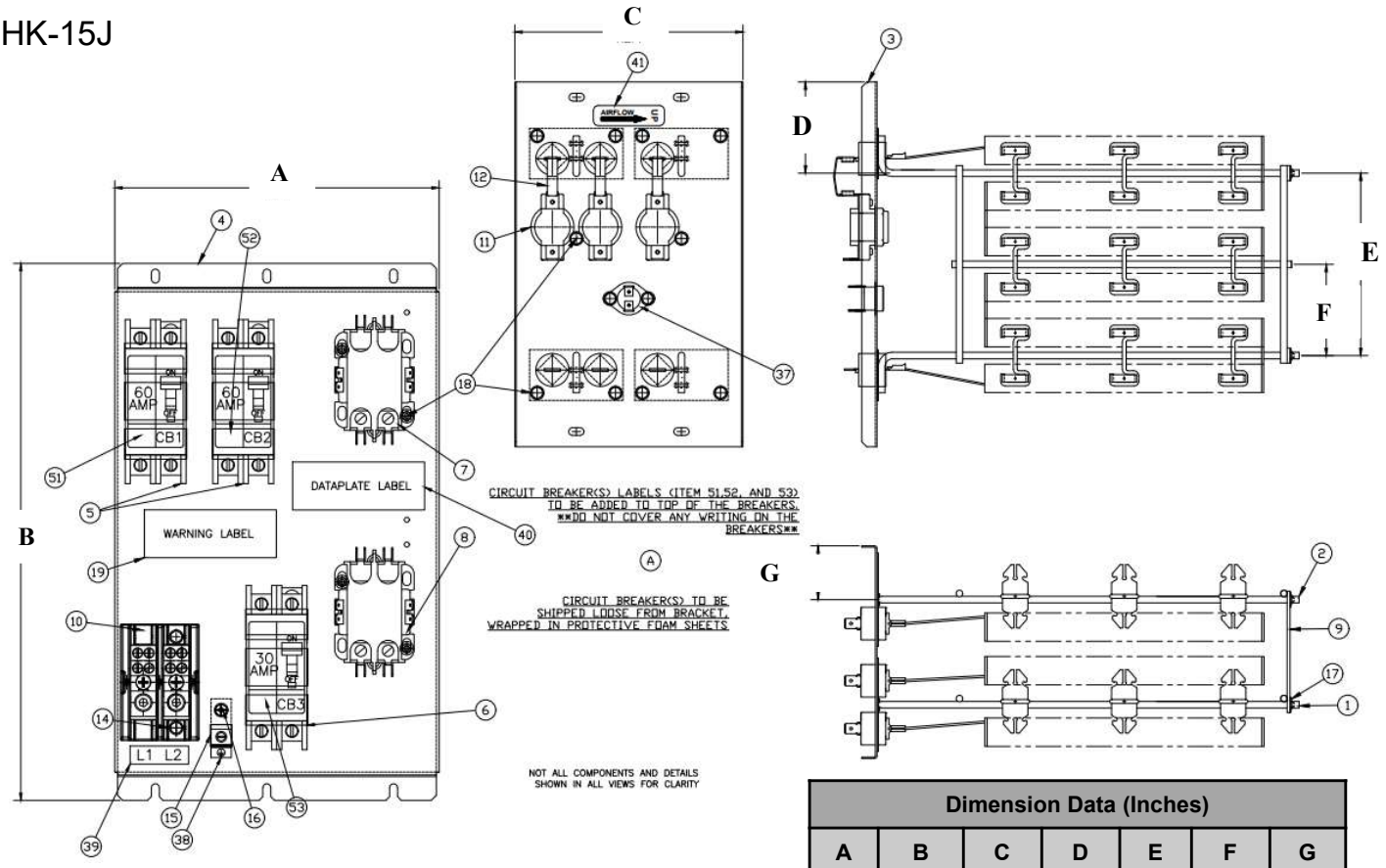
Dimension Data (Inches)							
A	B	C	D	E	F	G	H
8.0	13.25	9.0	2.66	2.25	4.5	2.25	1.33

EHK-10J



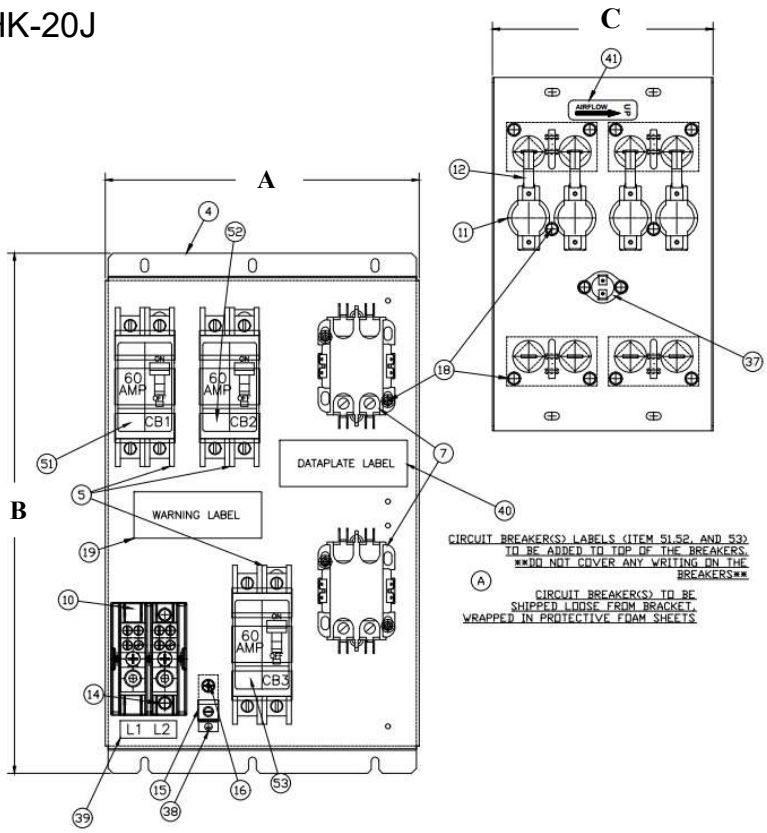
Dimension Data (Inches)						
A	B	C	D	E	F	G
8.0	13.25	9.0	2.66	2.25	2.25	1.33

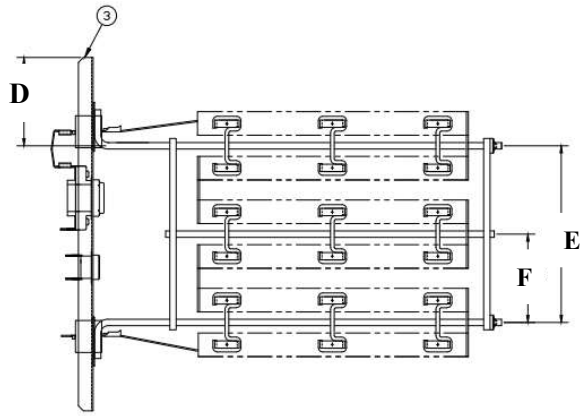
EHK-15J

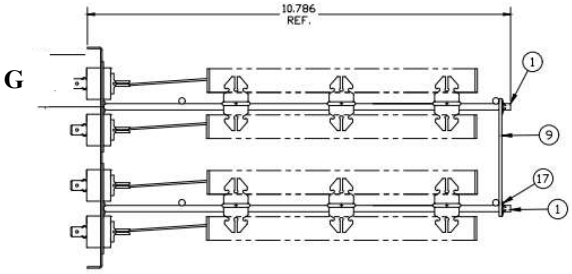


Dimension Data (Inches)						
A	B	C	D	E	F	G
8.0	13.25	5.62	2.25	4.5	2.25	1.33

EHK-20J







Dimension Data (Inches)						
A	B	C	D	E	F	G
8.0	13.25	5.62	2.25	4.5	2.25	1.33

Electric Heater Data

OPTIONAL HEATER CIRCUIT									
HEATER KIT MODEL	NOMINAL POWER (kW)	POWER (kW)		HEATER AMPS		MIN. CIRCUIT AMPS		MAX FUSE OR BREAKER (HACR' AMPS	
	240V	230V	208V	230V	208V	230V	208V	230V	208V
EHK-05J	5	4.6	3.8	20.8	18.1	27	23	30	25
EHK-08J	7.5	6.9	5.6	31.3	27.1	40	34	40	35
EHK-10J	10	9.2	7.5	41.7	36.2	53	46	60	50
EHK-15J	15	9.2+4.6	7.5+3.8	41.7+20.8	36.2+18.1	53+27	46+23	60+30	50+25
EHK-20J	20	9.2+9.2	7.5+7.5	41.7+41.7	36.2+36.2	53+53	46+46	60+60	50+50

Note:
Refer to Electric Heat Kit Installation Manual, some heater kits include fuses from the manufacturer

Safety Cautions

All electric work must be performed by qualified personnel.
EHK series is designed and approved to be installed in the EAHATN series air handlers.
• Check the heater label to confirm suitable KW selection based on room load under lowest temperature ambient.
• Inspect all porcelain in insulators for breakage and the intact of heater element wire. Contact local distributor immediately if there is any occurred damage.

ELECTRICAL SHOCK HAZARD
Before performing installation, service or maintenance operations on this system, turn off all main power to system. there may be more than one disconnect switch. Turn off accessory heater power switch if applicable. Lockout and tag switch with a suitable warning label.

NOTE: USE COPPER CONDUCTORS ONLY

Electric Heater Installation Guide

STEP 1.

DISCONNECT all incoming power to the unit. Remove the 3 Unit Access Panels as shown in Fig. 1



Fig. 1

STEP 2.

Remove the Blower Access Panel as shown in Fig. 2A and 2C, save screws. Use the saved screws and the included #8-18 x 0.375" screws to install the control panel.
Note: To assist in installation of the control panel, the (3) bottom screws can be loosely reinstalled prior to final attachment. The Control Panel has slots for these screws to hold the Panel in place before tightening the screws see Fig 2D.

Fig. 2A



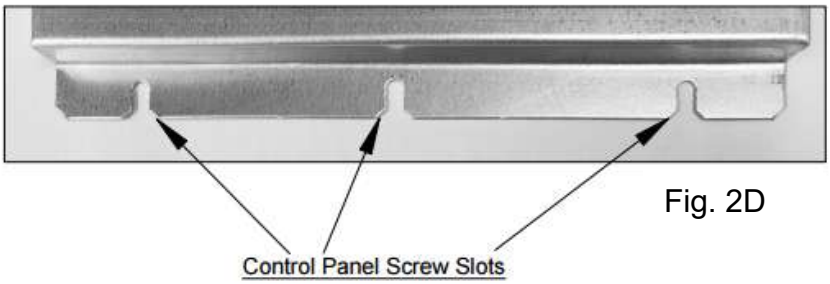


Fig. 2D

STEP 3.

Remove necessary Heater Installation Panel(s) as shown in Fig. 2B and 2C and save the plate screws for mounting of Heater Element(s).
Note: Remove only left Heater Installation Panel for 5 kW, 8 kW, and 10 kW Heater Kits.



Fig. 2B

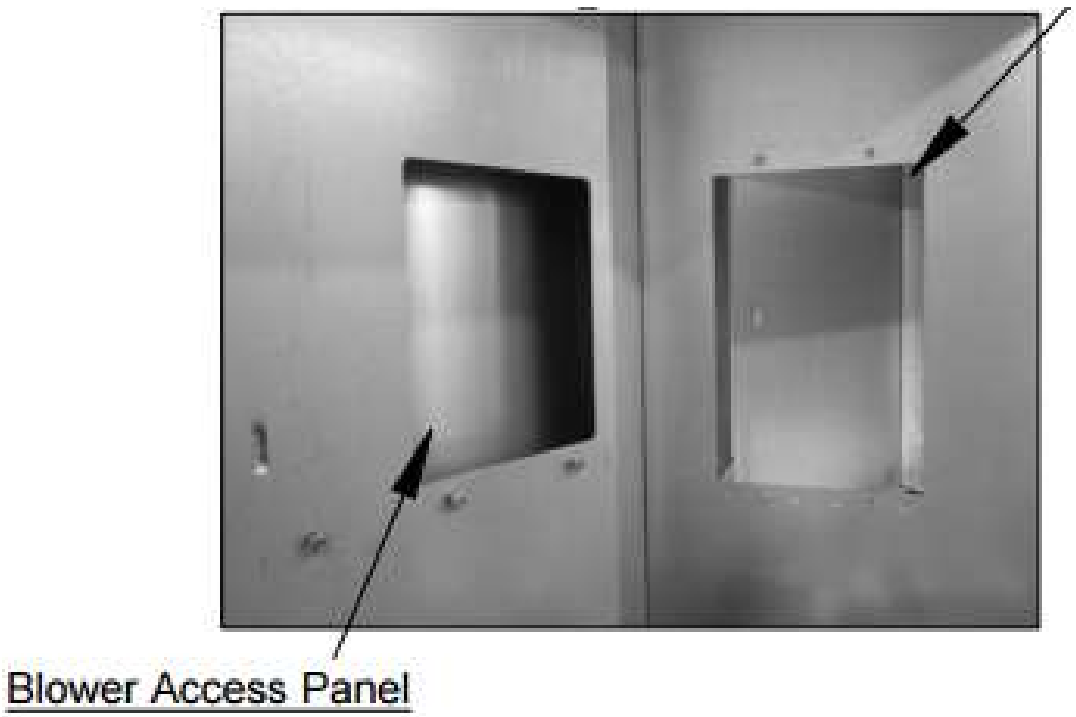


Fig. 2C

STEP 4.

Unwrap circuit breakers and install where the label dictates. Insert the Heater Element(s) carefully into the Heat Installation Panel Opening, avoiding damage to coils, and secure using screws from Step 3. Make sure the airflow label will match the actual air flow direction. See Fig. 3 & 4
NOTE: 5kW, 8kW, and 10kW Heaters are installed in left side
nearest the Blower discharge. See Fig. 4

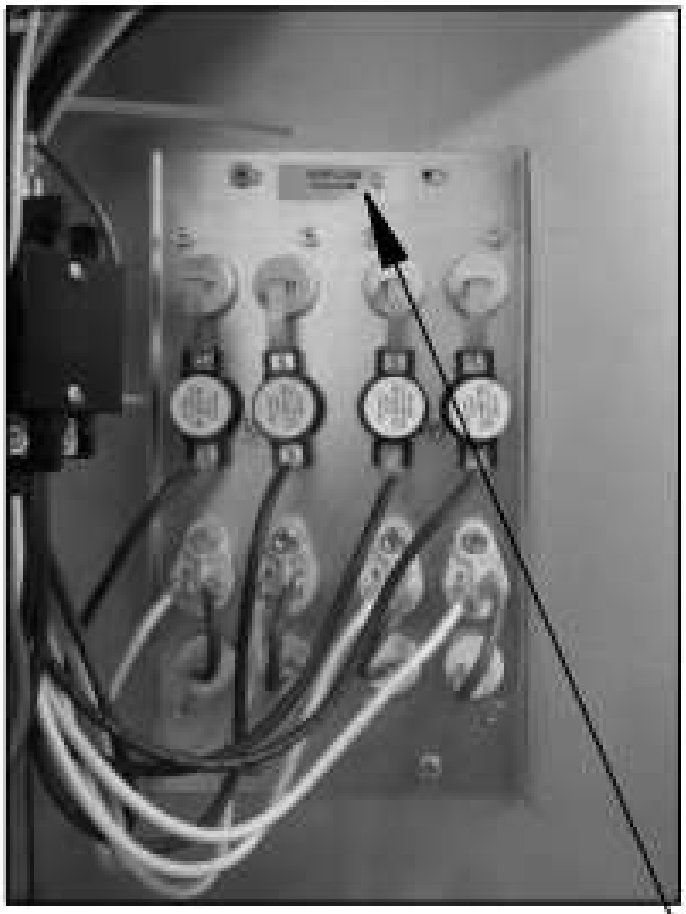


Fig. 3

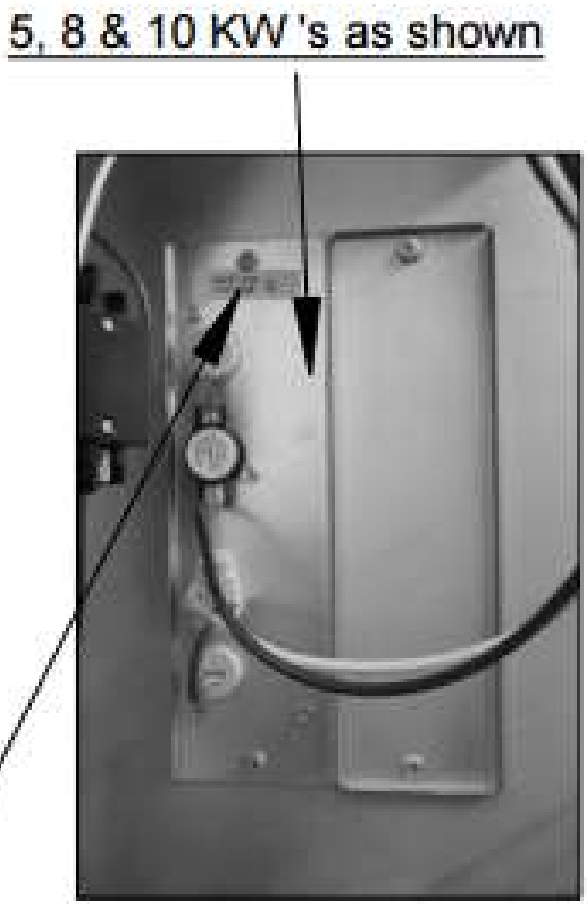


Fig. 4

STEP 5.

Place the Circuit Breaker & Controls Panel in the blower access panel location using retained screws, from Step 3, as shown in Fig. 5A.
Secure the Circuit Breaker & Control Panel to the cabinet mounting with the remaining retained screws, making sure that all wiring is routed away from sharp edges or is not pinched between Panels. See fig. 5A
NOTE: Hole on side for provided zip tie

STEP 6.

Wire incoming field power supply to Terminal Block & Available Ground on the Heater Component Plate, as shown in Fig. 5A, Fig. 5B (without ground attached), and Fig. 5C (with ground attached).

Fig. 5A

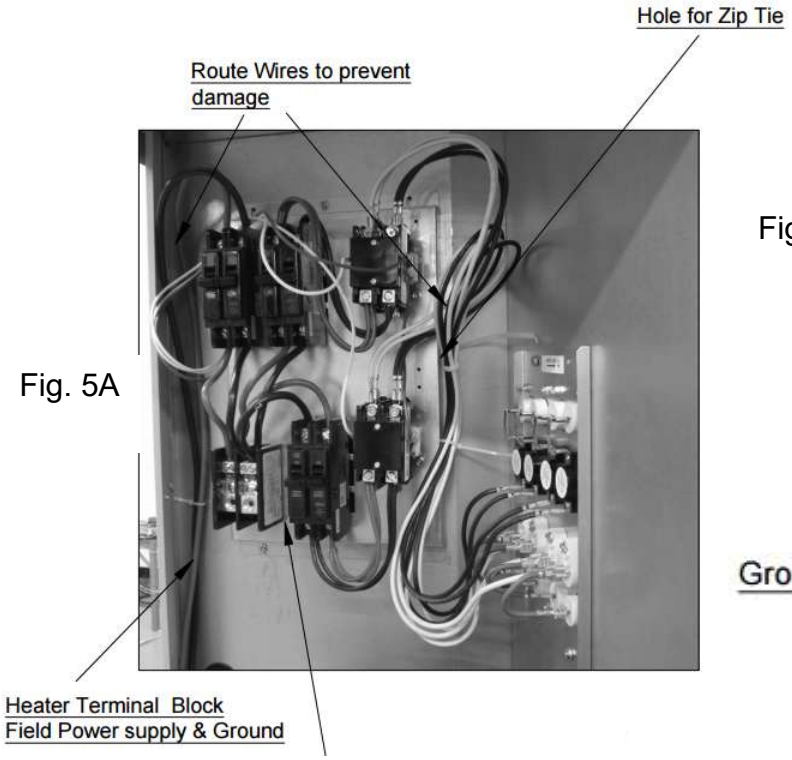


Fig. 5B



Ground Lug Without Wire: Beside the Terminal Block

Fig. 5C



Ground Lug WithWire: Beside the Terminal Block

STEP 7.

Connect the 3-pin plug to CN46 on the Indoor Unit Control Board as Shown in Fig 6.
NOTE: 5kW, 8kW, and 10kW Heaters will only have 2 wires in
the plug.

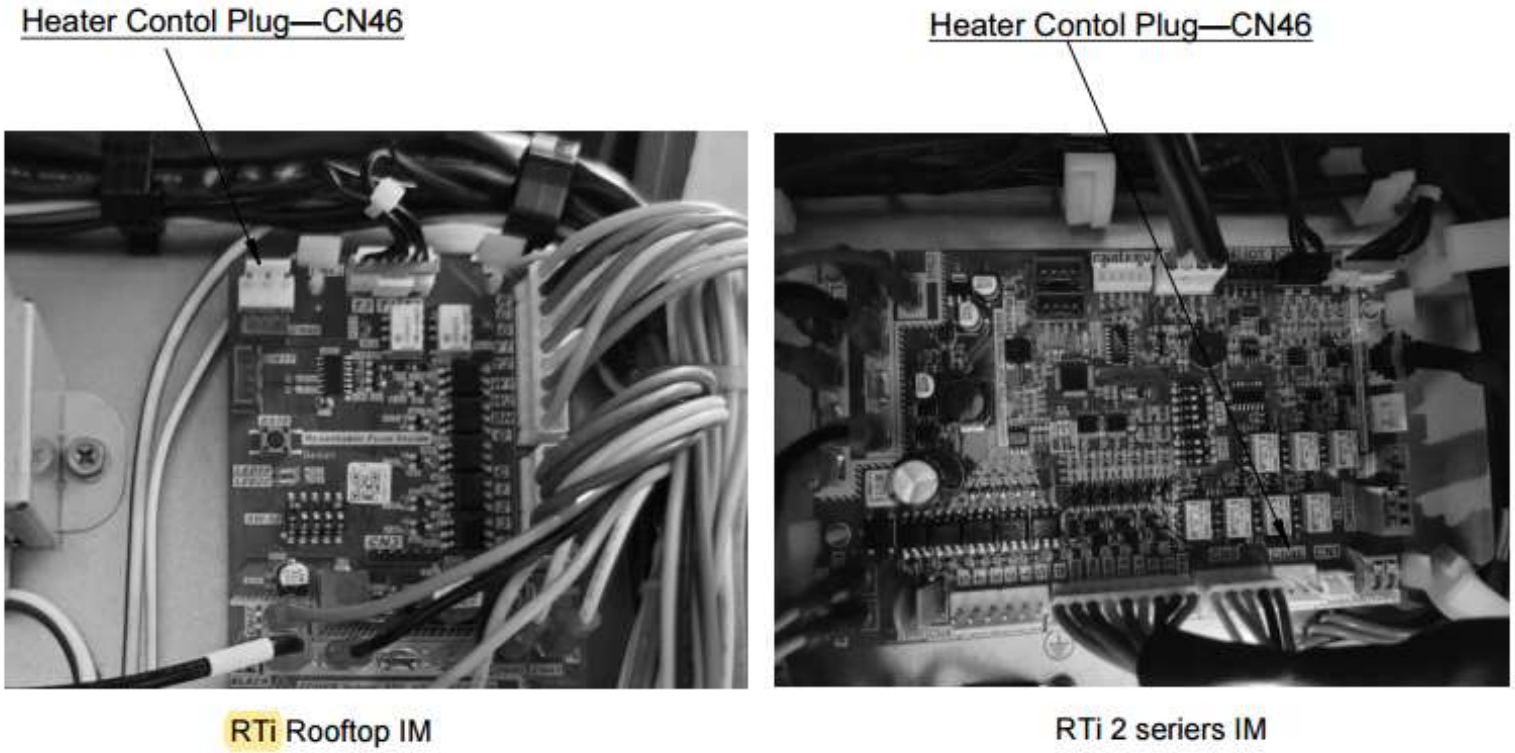


Fig. 6

STEP 8.

Install the Heater Air Deflector in the blower discharge section as shown in Fig. 7 and 8 using the 3 screws provided.
Note: Use provided #10-16 screws to mount Deflector for both units. Ground per NEC requirements. Lugs are provided on heat kit. Upon completion of installation, affix heater wiring diagram, supplied, next to the basic unit wiring diagram for future efference. Test the heater to insure it runs properly.

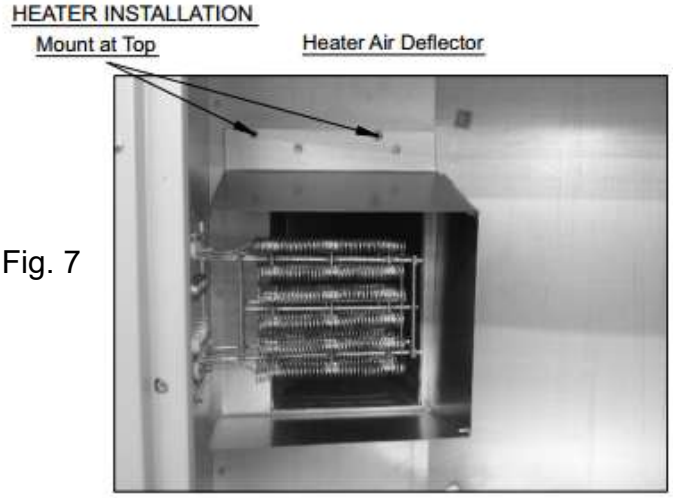


Fig. 7



Fig. 8