

## Attention Installing Personnel

As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

## SAFETY CONSIDERATIONS

The following symbols and labels are used throughout this manual to indicate immediate or potential safety hazards. It is the owner's and installer's responsibility to read and comply with all safety information and instructions accompanying these symbols. Failure to heed safety information increases the risk of personal injury, property damage, and/or product damage.

### WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT. IMPROPER INSTALLATION, ADJUSTMENT, SERVICING OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

### PROP 65 WARNING FOR CALIFORNIA CONSUMERS

### WARNING

Cancer and Reproductive Harm -  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

0140M00517-A

## Description

These installation instructions supplement the electric heater kits for installation in the following models:

DBC090, DBC102, DBC120, DBC150  
DBH090, DBH102, DBH120, DBH150  
DRC090, DRC102, DRC120, DRC150,  
DFC090, DFC102, DFC120, DFC150  
DFH090, DFH102, DFH120, DFH150  
DSC090, DSC102, DSC120, DSC150  
DSH090, DSH102, DSH120, DSH150  
DHC090, DHC102, DHC120, DHC150

These instructions should be used only as a supplement to unit's installation instruction manual. If the heater kit is installed on a unit with DDC controls, reference the DDC user manual for controller configuration instructions. The controller will not control the heater kit unless it is properly configured.



### WARNING

#### HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



## INSTRUCTIONS

1. Disconnect all power to the unit, both indoor and outdoor.
2. Remove control box door.
3. Remove blower door.
4. Locate heater box. Remove screws holding the heater box cover in place (Figure 1).



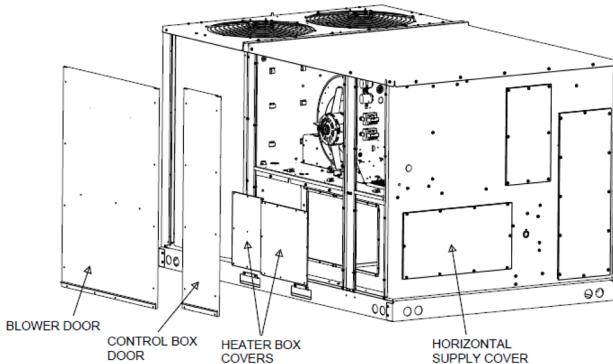


Figure 1

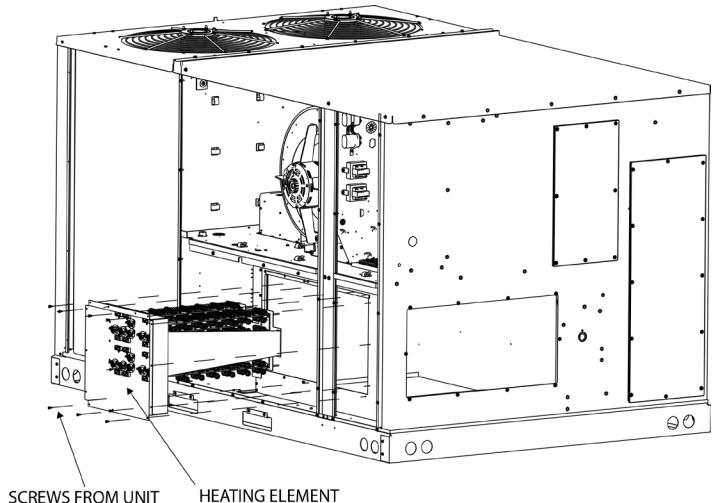


Figure 3

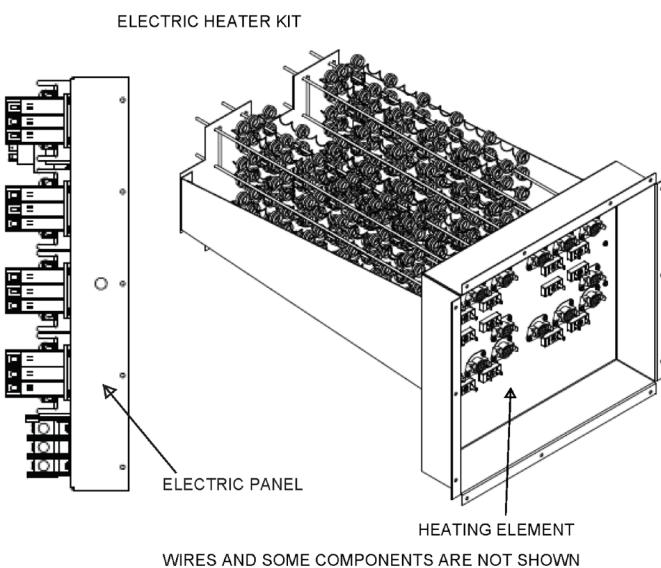
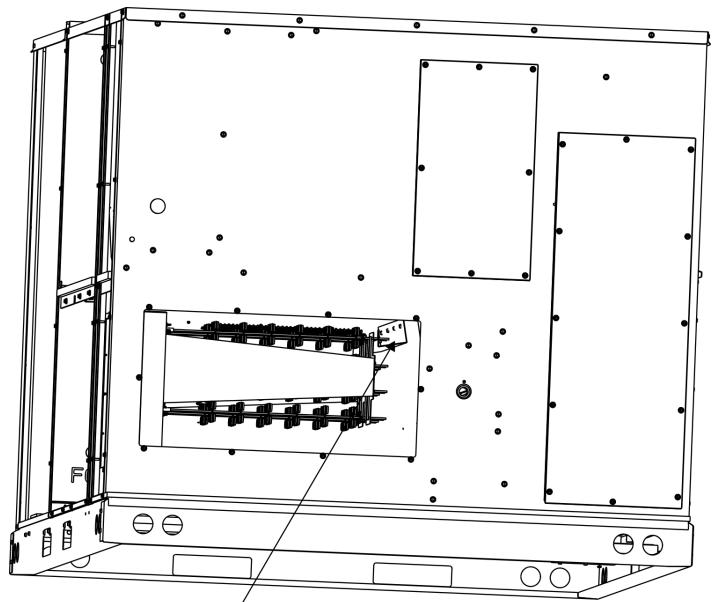


Figure 2

5. Insert heating element part of the heater kit (Figure 2) in the heater box and slide it all the way to the right (Figure 3). Ensure the elements are positioned in the retaining bracket as shown in Figure 4. Install the heater kit using the screws from heater box cover and re-install the left heater cover (small) as shown in Figure 6. It may be necessary to remove the horizontal supply cover to observe the bracket. The right heater box cover can be discarded.
6. Install electric panel (Figure 2) to the left side of the heater box by inserting through the rail (Figure 5) and using 4 screws supplied with the unit (Figure 6).



BACK RODS OF HEATER KIT TO BE PLACED  
IN THE RETAINER BRACKET

Figure 4

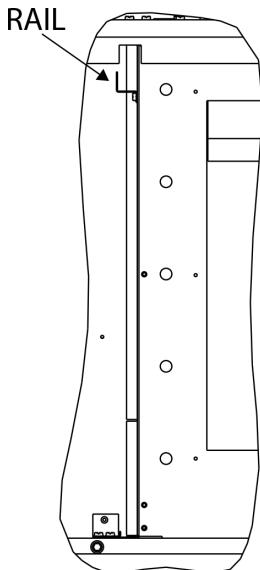


Figure 5

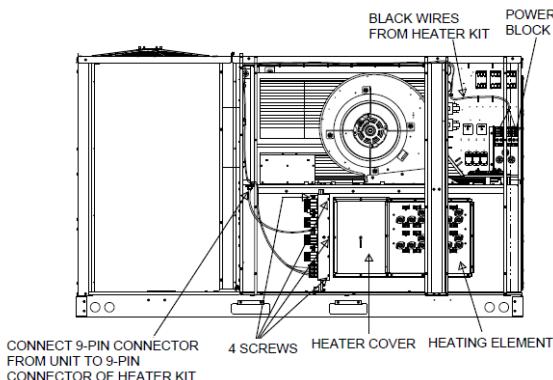


Figure 6

8. Locate 9-pin plug in unit on the left side of the blower deck.
9. Connect the plug to the mating 9-pin plug attached to heater kit (Figure 6).
10. For EHSD and EHSD models, verify that the SCR step controlboard DIP switch settings match the wiring diagram provided with the unit wiring diagram booklet.
11. Install blower door and horizontal supply cover if it was removed.
12. Set up a required airflow - CFM for your unit with electric heater by selecting a proper speed tap. For details see Air

Flow Adjustment chapter in the unit's instruction manual.

- Refer to Air Flow for Electric Heat table on the next page to identify minimum required CFM for your unit with specific heater model.
- Refer to Appendix A - Blower Performance Tables for speed tap selection in the unit's instruction manual.

13. Close control box door.

14. Reconnect power to the unit.

15. Test unit to ensure it is functioning properly.

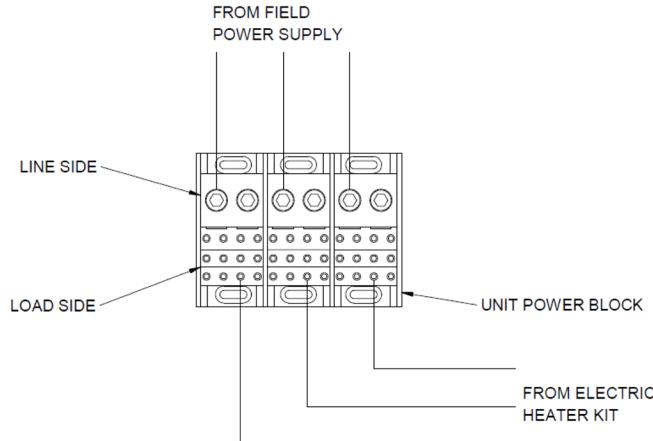


Figure 7

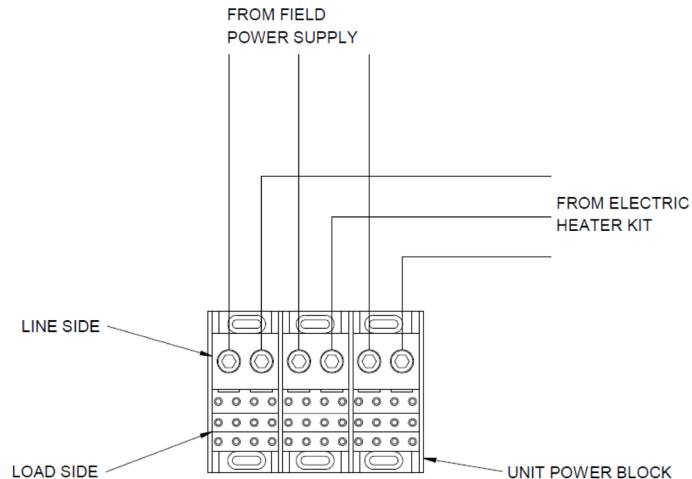


Figure 8

# DBC, DBH, & DRC MODELS

## AIR FLOW FOR ELECTRIC HEAT

UNITS	HEATER KIT MODEL NUMBER	kW	MINIMUM SCFM
DBC090 & DBH090	EH*B-*M15	15	2400
	EH*B-*M30	30	
	EH*B-*M45	45	
DBC102 & DBH102	EH*B-*M15	15	2750
	EH*B-*M30	30	
	EH*B-*M45	45	
DBC120 & DBH120	EH*B-*M16	15	3250
	EH*B-*M31	30	
	EH*B-*M46	45	
DBC150 & DBH150	EH*B-*M16	15	3750
	EH*B-*M31	30	
	EH*B-*M46	45	
DRC090	EH*D-*M10	10	2500
	EH*D-*M15	15	
	EH*D-*M20	20	
	EH*D-*M30	30	
	EH*D-*M45	45	
DRC102	EH*D-*M10	10	2850
	EH*D-*M15	15	
	EH*D-*M20	20	
	EH*D-*M30	30	
	EH*D-*M45	45	
DRC120	EH*D-*M10	10	3150
	EH*D-*M15	15	
	EH*D-*M20	20	
	EH*D-*M30	30	
	EH*D-*M45	45	
	EH*D-*M60	60	
DRC150	EH*D-*M10	10	3750
	EH*D-*M15	15	
	EH*D-*M20	20	
	EH*D-*M30	30	
	EH*D-*M45	45	
	EH*D-*M60	60	

## HEATER KIT MODEL NUMBER NOMENCLATURE

EH	X	D	-	3	M	15
1	2	3	-	4	5	6, 7
<b>Electric Heater</b>						
<b>Heater Type</b>						
X	Staged					
S	SCR (modulating)					
<b>Drive System</b>						
B	Belt Drive					
D	Direct Drive					
<b>Voltage</b>						
3	208-230/3/60 Three phase 60 Hz					
4	460/3/60 Three phase 60 Hz					
7	575/3/60 Three phase 60 Hz					
<b>Chassis</b>						
M	Medium					
<b>Kilowatt</b>						
10	10 KW					
15	15 KW					
16	15 KW					
20	20 KW					
30	30 KW					
31	30 KW					
45	45 KW					
46	45 KW					
60	60 KW					

# DFC, DFH, DSC, & DSH MODELS

## AIR FLOW FOR ELECTRIC HEAT

UNIT	HEATER KIT MODEL NUMBER	Kw	MINIMUM CFM	MAXIMUM CFM
7.5 ton	EH*D-*M15	15	2400	4225
	EH*D-*M30	30		
	EH*D-*M45	45		
8.5 ton	EH*D-*M15	15	2750	4425
	EH*D-*M30	30		
	EH*D-*M45	45		
10 ton	EH*D-*M15	15	3200	5275
	EH*D-*M30	30		
	EH*D-*M45	45		
12.5 ton	EH*D-*M15	15	3750	6025
	EH*D-*M30	30		
	EH*D-*M45	45		

## HEATER KIT MODEL NUMBER NOMENCLATURE

EH	X	D	-	3	M	15
1	2	3	4	5	6, 7	
<b>Electric</b>						
<b>Heater</b>						
<b>X</b>	Staged					
<b>S</b>	SCR (modulating)					
<b>Drive System</b>						
<b>B</b>	Belt Drive					
<b>D</b>	Direct Drive					
<b>Voltage</b>						
<b>1</b>	208-230/1/60	Single phase 60 Hz				
<b>3</b>	208-230/3/60	Three phase 60 Hz				
<b>4</b>	460/3/60	Three phase 60 Hz				
<b>7</b>	575/3/60	Three phase 60 Hz				
<b>Chassis</b>						
<b>S</b>	Small					
<b>M</b>	Medium					
<b>L</b>	Large					
<b>Kilowatt</b>						
<b>10</b>	10 KW					
<b>15</b>	15 KW					
<b>20</b>	20 KW					
<b>30</b>	30 KW					
<b>45</b>	45 KW					
<b>60</b>	60 KW					

**NOTE: ELECTRIC HEAT KIT INSTALLATIONS WHERE LINE VOLTAGE IS GREATER THAN 106% OF NOMINAL MAY REQUIRE ADDITIONAL AIRFLOW TO AVOID NUISANCE TRIPPING OF THE PRIMARY THERMAL LIMITS**

MODELS	COOLING MINIMUM SCFM	COOLING MAXIMUM SCFM
DSC/DSH090	2400	4225
DSC/DSH102	2750	4425
DSC/DSH120	3200	5275
DSC150	3750	6025

# DHC MODELS

## AIR FLOW FOR ELECTRIC HEAT

UNIT	HEATER KIT MODEL NUMBER	kW	MINIMUM CFM	MAXIMUM CFM
7.5 ton	EH*D-*M10	10	2500	3750
	EH*D-*M15	15		
	EH*D-*M20	20		
	EH*D-*M30	30		
	EH*D-*M45	45		
8.5 ton	EH*D-*M10	10	2850	4250
	EH*D-*M15	15		
	EH*D-*M20	20		
	EH*D-*M30	30		
	EH*D-*M45	45		
10 ton	EH*D-*M10	10	3150	5000
	EH*D-*M15	15		
	EH*D-*M20	20		
	EH*D-*M30	30		
	EH*D-*M45	45		
	EH*D-*M60	60		
12.5 ton	EH*D-*M15	15	3750	6250
	EH*D-*M20	20		
	EH*D-*M30	30		
	EH*D-*M45	45		
	EH*D-*M60	60		

## HEATER KIT MODEL NUMBER NOMENCLATURE

EH	X	D -	3	M	15
1	2	3	4	5	6, 7
Electric					
Heater					
X	Staged				
S	SCR (modulating)				
Drive System					
B	Belt Drive				
D	Direct Drive				
Voltage					
1	208-230/1/60	Single phase 60 Hz			
3	208-230/3/60	Three phase 60 Hz			
4	460/3/60	Three phase 60 Hz			
7	575/3/60	Three phase 60 Hz			
Chassis					
S	Small				
M	Medium				
L	Large				
Kilowatt					
10	10 KW				
15	15 KW				
20	20 KW				
30	30 KW				
45	45 KW				
60	60 KW				

\*NOTE: Electric Heat Kit installations where line voltage is greater than 106% of nominal may require additional airflow to avoid nuisance tripping of the primary thermal limits

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**CUSTOMER FEEDBACK**

Daikin is very interested in all product comments.

Please fill out the feedback form on the following link:

<https://daikincomfort.com/contact-us>

You can also scan the QR code on the right to be directed to the feedback page.



NOTE: SPECIFICATIONS AND PERFORMANCE DATA LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

**Quality Makes the Difference!**

All of our systems are designed and manufactured with the same high quality standards regardless of size or efficiency. We have designed these units to significantly reduce the most frequent causes of product failure. They are simple to service and forgiving to operate. We use quality materials and components. Finally, every unit is run tested before it leaves the factory. That's why we know. . .**There's No Better Quality.**

Visit our website at [www.daikincomfort.com](http://www.daikincomfort.com) for information on:

• Products	• Customer Services	• Financing Options
• Warranties	• Parts	• Contractor Program and Training

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