

⚠️ IMPORTANT INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to person, including the following:

1. Read all instructions before using this heater.
2. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint or flammable liquids are used or stored.
3. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials such as: furniture, pillows, bedding, papers, clothes and curtains away from heater.
4. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces like a bed where openings may become blocked.
5. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.

SAVE THESE INSTRUCTIONS

✂️ Installation Instructions

⚠️ WARNING: Wiring procedures and connections should be in accordance with the National Electric code (NEC) and local codes.

FOR HORIZONTAL OR VERTICAL AIRFLOW

PERMANENT OR SUPPLEMENTARY ELECTRIC FORCED AIR HEATING FROM THE SAME VERSATILE UNIT

These heavy-duty heaters provide spot heating for hard to heat areas, or they can be used as the primary source of heat for areas not reached by an existing heating system.

The fan and motor are carefully matched to insure quiet, trouble-free operation and fan blades are precision balanced before installation.

Heaters in all capacities (3, 5, 7-1/2, 10 or 12kw) have the same dimensions, and use the same mounting brackets. All components and controls, including thermostat, transformers, relays, and switches are enclosed inside the case. Wiring is simple and all heaters can operate from a single power source.

HEATER LOCATION

Unit heaters should be located along outside walls to provide perimeter air circulation. The discharge air should wipe the walls without blowing directly on them. (Figure 1)

- **Small rooms** - can be heated by one or two units. Locate the unit heater(s) to provide circular air movement within the space.
- **Large rooms** - requiring multiple unit installations. Units should be located so that the discharge air from one unit supports the discharge from another unit and provides a circular air movement.
- **Remote thermostats** - should be located on interior

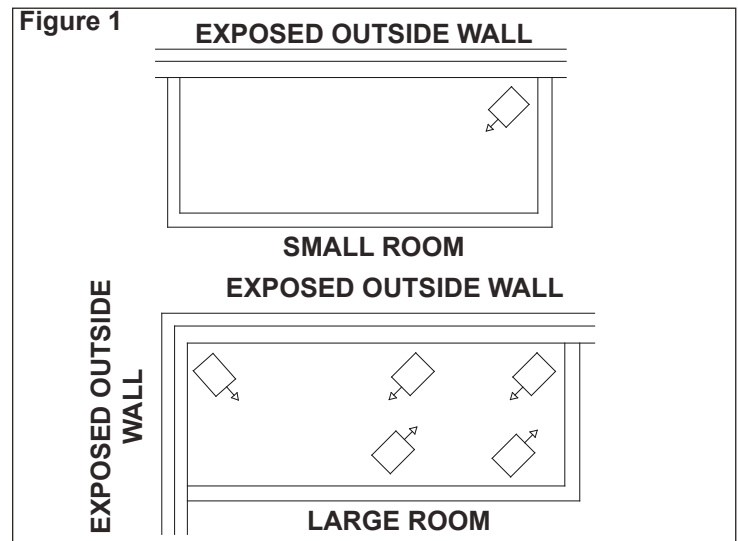
walls or posts away from heat sources, cold drafts, and away from heater discharge streams.

MOUNTING UNIT HEATER(S)

Heater should be mounted a minimum of ten (10) inches from walls and six (6) feet above floor (8 feet for vertical air flow) with the discharge parallel to or away from wall.

- **MOUNTING BRACKET** - The heater is shipped with a mounting bracket packed separately in the carton. Secure the bracket to threaded attachment points on the sides of the heater with two bolts (provided). Select desired angle of tilt (Horizontal, 15, 30, 45, 60, 75, or Vertical), remove corresponding knockouts on sides of the heater, then screw the remaining two bolts into the threaded holes in the bracket so that the bolts pass through the knockout holes. The unit is now ready for hanging.
- **CEILING MOUNTING** - Fasten the heater securely to the ceiling using the center hole in the bracket or the two holes on either side of the center hole. The Unit mounting bracket may be attached directly to the ceiling.
- **WALL MOUNTING** - The heater may also be mounted to a wall with accessory wall bracket, Part # EUHWB. The wall bracket attaches to the center hole of the unit mounting bracket.

Figure 1

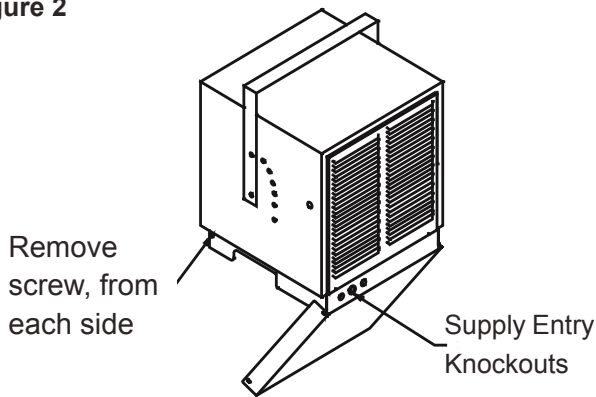


WIRING:

1. Connect the heater only to the voltage and frequency specified on the nameplate.
2. All wiring to be in accordance with local and national electric codes.
3. Remove two screws securing the access door (See Figure 2) and swing the door down to expose the wiring and control compartment.
4. Three knockouts are provided at the back of the heater for power and control wiring. (See Figure 2)
5. Rough-in branch circuit wiring to the heater using wire

rated for 75 degrees C. Wire heater supply according to diagram attached to the access door.

Figure 2



Operation

CONTROLS (Factory installed)

- **Fan delay** - The heater is equipped with a fan delay control. The fan will remain on for a few moments after the elements are de-energized.
- **Automatic High Limit** - Each heater is equipped with automatic reset thermal cutouts located above the elements. Should these safety switches operate, they will automatically reset once the element reaches a safe operating temperature, however the cause of the high limit condition should be determined and corrected to insure satisfactory operation.
- **Thermostat** - All heaters are equipped with a hydraulic type thermostat which has a nominal operating range of 40F (low) to 100F (high).

OPTIONAL CONTROLS (Field installed)

- **Remote line voltage thermostat** - An optional remote line voltage thermostat may be used to control the unit. Field connections may simply be connected to the control terminal block located in the wiring compartment in accordance with the wiring diagram attached to the access door.

⚠ CAUTION: Disconnect the built-in thermostat

- **Remote Low voltage thermostat with relay** - An optional low voltage thermostat/relay kit may be used to control the unit (Catalogue #EUAR11, 120V primary; EUAR21, 208V primary; EUAR31, 240V primary; EUAR41, 277V primary). The relay is installed through the hole provided in the back left corner of the blower deck. Power connections are made to the control terminal block located in the wiring compartment in accordance with the wiring diagram attached to the access door. A knockout is provided on the left side of the heater for the 24 volt thermostat control wiring. It is important that the plastic insulation bushing be installed into the knockout hole before running low voltage control wiring. The thermostat is installed and wired in accordance with the instructions packaged with the kit.

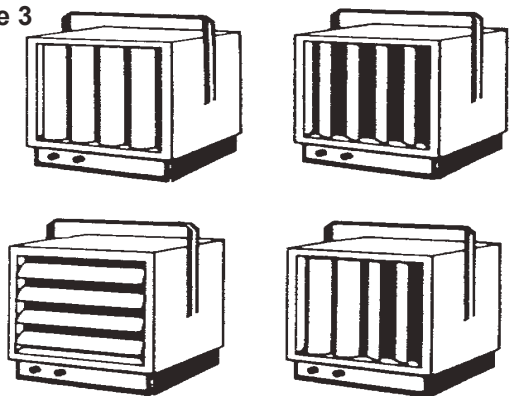
⚠ CAUTION: Disconnect the built-in thermostat

- **Fan only Switch** - An optional "Fan only" switch kit (Catalogue EUAF2) is available for field installation in the unit. The fan switch is mounted in the space provided adjacent to the built-in thermostat located at the front of the unit. Field connections are made at the control terminal block in accordance with the unit wiring diagram.

START-UP:

1. Before the unit is energized, the discharge louvers should be adjusted for desired air deflection. Louvers may be adjusted for either horizontal or vertical air deflection by rotating the louvre frame. (See figure 3)
2. Check to see that all controls and optional accessories are operating properly.

Figure 3



Maintenance

⚠ **CAUTION:** Before removing the front cover for cleaning, make certain the power has been turned off at the circuit breaker panel.

⚠ **CAUTION:** Allow adequate time for the element and body casing to cool before attempting to work on the heater.

1. Under normal conditions, the heater should be cleaned once a year. **DISCONNECT ALL POWER** before cleaning or servicing the heater.
2. All motors are lubricated for extended life operation, and will not have to be oiled.

Warranty

The Manufacturer warrants the heating elements and components of the enclosed product against any defect in material or workmanship for a period of one year from the date of purchase. In full satisfaction of any claims under this Warranty the Manufacturer will repair or replace without charge, in its factory or in the field as it alone may decide, any parts which in its opinion are defective.

The Manufacturer shall not be responsible for any transportation or shipping costs in relation to such repair or replacement except as specifically assumed by it. Misuse of this product or repairs by persons other than the Manufacturer's authorized personnel without the Manufacturer's written approval, will void this Warranty.

This Warranty is in lieu of all other warranties or conditions whether express or implied including but not limited to those of merchantability or fitness for purpose and shall constitute the sole remedy of the Purchaser and the sole liability of the Manufacturer in respect of the sale of the product, whether in the nature of breach or breach of fundamental term, or of negligence or otherwise.

The Manufacturer shall not be liable for any special, indirect or consequential damages or for any damages resulting from removal or replacement of a heater subject to warranty claim without the Manufacturer's authorization.

This Warranty is transferable by the original consumer purchaser of the product. Any claims under this Warranty must be submitted in writing to the Service Manager, Dimplex North America Ltd., 1367 Industrial Rd., Cambridge, Ontario N1R 7G8, Canada.

Replacement Parts

Casing	1006060168RP
Fan Delay	00033002RP
Grill	30006159-ARP
Louver	30006151-ARP
Motor (except for EUH03B11T)	2000270100RP
Motor for EUH03B11T	2000250100RP
Capacitor (except for EUH03B11T)	3200070200RP
Capacitor for EUH03B11T	3200070600RP
Terminal Block	4000040500RP
Control Knob	8800540368RP
Cut-Out	00009113RP

CATALOG NO.	FAN BLADE	THERMOSTAT	TRANSFORMER	CONTACTOR	ELEMENT	
					RP NO.	QTY/HEATER
EUH03B11T	530020300RP	2600060800RP	N/A	N/A	2200210100RP	3
EUH03B21T	5300020100RP	2600060200RP	N/A	N/A	2200210200RP	
EUH03B24CT			N/A	2400170900RP	2200210200RP	
EUH03B31T			N/A	N/A	2200210300RP	
EUH03B34CT			N/A	2400170900RP	2200210300RP	
EUH03B41T			2100120100RP	N/A	2200210400RP	
EUH03B51CT			2100120200RP	2400160300RP	2200211200RP	
EUH03B73CT			2100120400RP	2400160300RP	2200210400RP	
EUH03B81CT			2100120500RP	2400160300RP	2200212100RP	
EUH03B83CT			2100120500RP	2400160300RP	2200211200RP	
EUH05B21T			2600060800RP	N/A	N/A	
EUH05B24CT	2600060200RP	N/A	2400170900RP	2200210800RP		
EUH05B31T	2600060800RP	N/A	N/A	2200210500RP		
EUH05B34CT	2600060200RP	N/A	2400170900RP	2200210500RP		
EUH05B41T	2600060800RP	2100120100RP	N/A	2200210600RP		
EUH05B51CT	5300020200RP	2600060200RP	2100120200RP	2400160300RP	2200211500RP	
EUH05B74CT			2100120400RP	2400170900RP	2200211900RP	
EUH05B84CT			2100120500RP	2400170900RP	2200212300RP	
EUH08B24CT	5300020200RP	2600060200RP	N/A	2400170900RP	2200210500RP	6
EUH08B34CT			N/A	2400170900RP	2200210600RP	
EUH08B51CT			2100120200RP	2400160300RP	2200211300RP	
EUH08B74CT			2100120400RP	2400170900RP	2200211800RP	
EUH08B84CT			2100120500RP	2400170900RP	2200212200RP	
EUH10B24CT			N/A	2400170900RP	2200210800RP	
EUH10B34CT			N/A	2400170900RP	2200210500RP	
EUH10B51CT			2100120200RP	2400160300RP	2200211500RP	
EUH10B74CT			2100120400RP	2400170900RP	2200211900RP	
EUH10B84CT			2100120500RP	2400170900RP	2200212300RP	
EUH12B23CT			N/A	2400160300RP	2200210900RP	
EUH12B3CT			N/A	2400160300RP	2200211000RP	
EUH12B74CT			2100120400RP	2400170900RP	2200212000RP	
EUH12B84CT			2100120500RP	2400170900RP	2200212400RP	



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In keeping with our policy of continuous product improvement, we reserve the right to make changes without notice.

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