

HGA75

HEAVY DUTY 7500W

ELECTRIC UTILITY HEATER



Save These Instructions

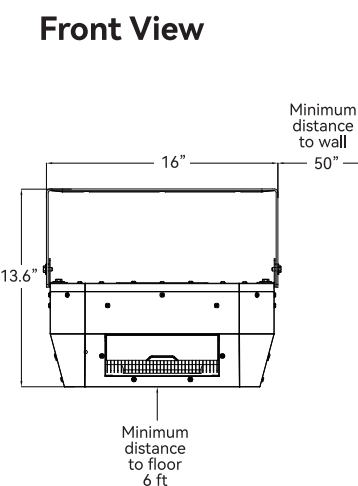
DESCRIPTION

Electric utility heaters are designed to meet a variety of heating requirements. Heat output ranges to 25,589 BTUs per hour. Features all round flow, built-in thermostat and high limit thermal cutout.

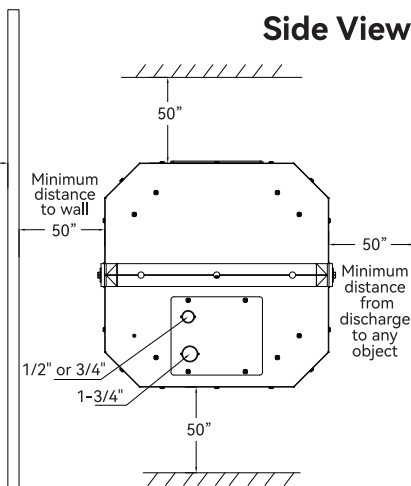
SPECIFICATIONS

Model	WATTS	VOLTS	PHASE	AMPS	BTU/HUOR
HGA75	7500W	240V60Hz	1	31.3	25589

Front View



Side View



NOTE: Min. clearance to ceiling when not using mounting brackets is 1-5/8".

Figure 1

General Safety Information

⚠ WARNING

Read and understand installation and operation instructions and observe all safety instructions before using this heater.

1. Use copper wire only for supply connections. The wire should be properly sized and insulated. Do not use aluminum wire with this installation. Wires should be suitable for at least 167°F (75°C).
2. Heater air flow must be directed parallel to, or away from adjacent wall.
3. Observe wall, floor, and ceiling clearance requirements.
4. All wiring must conform to national and local electrical codes in the United States and the heater must be grounded as a precaution against possible electrical shock. Heater circuit must be protected with proper fuses.

5. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, etc. and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.

6. Do not use outdoors.

7. This heater is not intended for use in bathrooms, laundry areas and similar indoor locations.

8. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.

9. Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.

10. 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.

11. To prevent a possible fire, do not block air intakes or exhaust in any manner.

12. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

13. The Mounting structure and the anchoring hardware must be capable of reliably supporting the weight of the heater and, if used, the mounting bracket.

14. All electrical power must be disconnected and the main service box must be locked before inspection, cleaning or servicing the heater. This is a precaution to prevent serious shock.

15. This heater is not suitable for use in hazardous locations as defined by the national fire protection association (NFPA) in the United States. This heater has hot and arcing (sparking) parts inside. Do not use in areas where gasoline, paint, or flammable liquids are used or stored.

16. This heater is not suitable for use in corrosive atmosphere such as marine, greenhouses or chemical storage areas.

17. Do not install closer than 8 inches to a vertical surface. Do not install less than 6 feet from the floor.

18. SAVE THESE INSTRUCTIONS

⚠ WARNING

Improper installation or failure to follow the procedures outlined in this instruction manual can result in serious electrical shock.

CONNECTING THE POWER

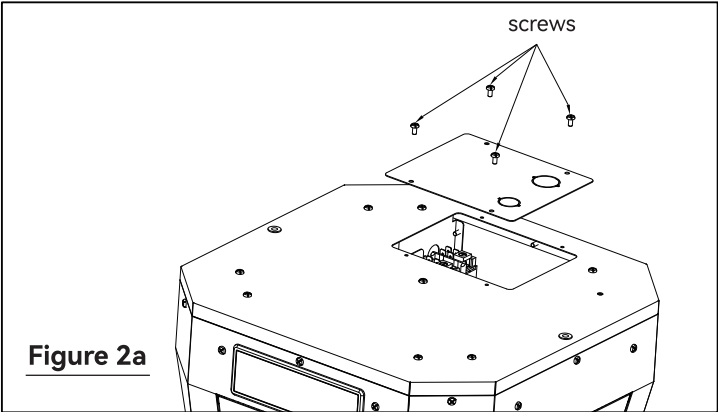
NOTE: This appliance must be grounded.

NOTE: Proper size fuses and circuit breakers in accordance with the National Electric Code must be used.

NOTE: The appliance must connect to a current protection circuit or device at 50Amp or less before connecting to power supply.

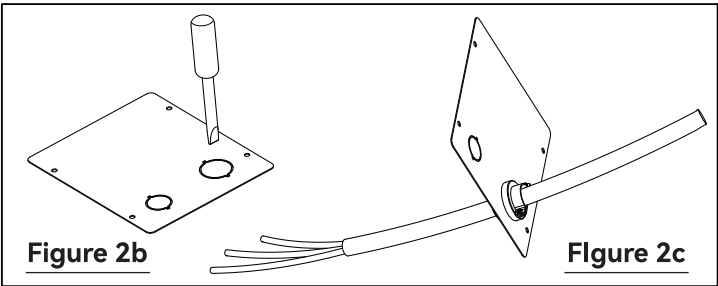
HEATER RATING & VOLTAGE	HRATER AMPS	MAX. FUSE SIZE	MIN. WIRE SIZE 75°C. COPPER
7500W@240V	31.3	45	#8

1. Remove the four screws from the panel (Figure 2a)



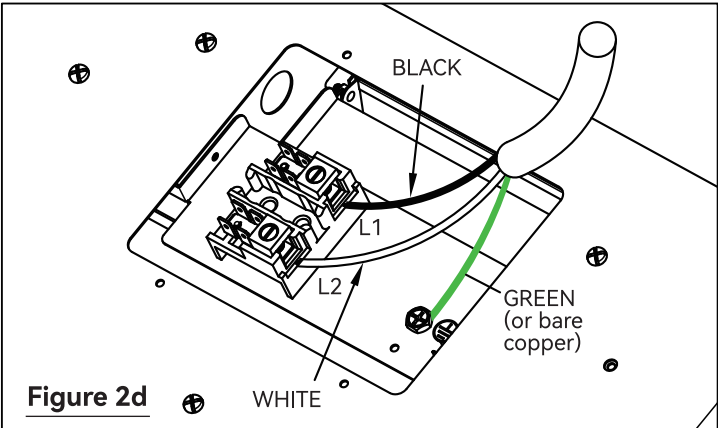
2. Select the specifications of the cable and cable connector and pry open the corresponding holes with a screwdriver. (Figure 2b)

3. Pass the cable through the panel and buckle cable connector, adjust the appropriate length and secure the cable. (Figure 2c)



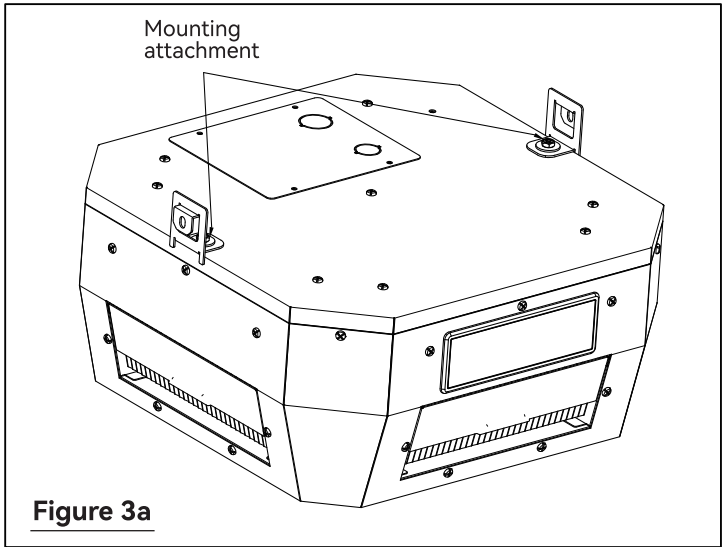
4. Pull the enough properly sized wire through cable connector and connect the wire to the power block located in the base of the heater. (Figure 2d)

5. Reinstall the panel and complete the installation of the cable.



MOUNTING ATTACHMENT

1. Use M6 screws and gaskets to fix the pendant to the heater body to ensure that it is not loose. (Figure 3a)



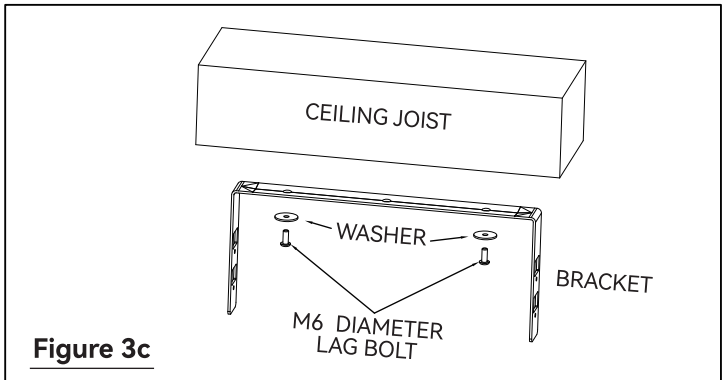
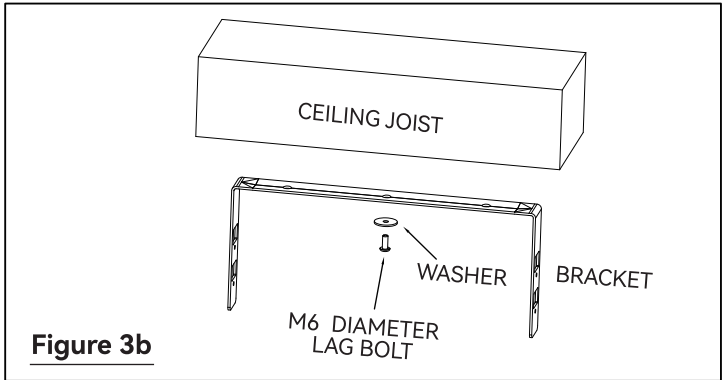
MOUNTING THE BRACKET

Refer to Figure 3b and 3c.

1. Locate a stud in the ceiling joist.
2. Remove the mounting bracket from the heating unit by loosening bracket thumb screws.
3. Drill a 3mm pilot hole in ceiling joists. Place a washer on screws before inserting through the holes in the mounting bracket, and screw them securely into a ceiling joist.

NOTE: If you want to swivel the heater either to the right or left, adding a washer to both sides of the bracket is recommended. A longer Lag bolt may be required to properly secure the unit. (Figure 3b)

4. Tighten screws enough to securely hold heating unit with air flow pointed in proper direction.



HANGING THE HEATER

- 1. Attach the heating unit to the mounting bracket.
- 2. Lift the heater up and into the mounting bracket.
- 3. Align the bracket screws with the keyholes slots in the mounting bracket.
- 4.If the heater needs to be adjusted for mounting height, it must be installed in the corresponding keyhole slot. (Figure 4)
- 5. Tighten the bracket screws with a wrench so the unit is securely suspended vertical level.

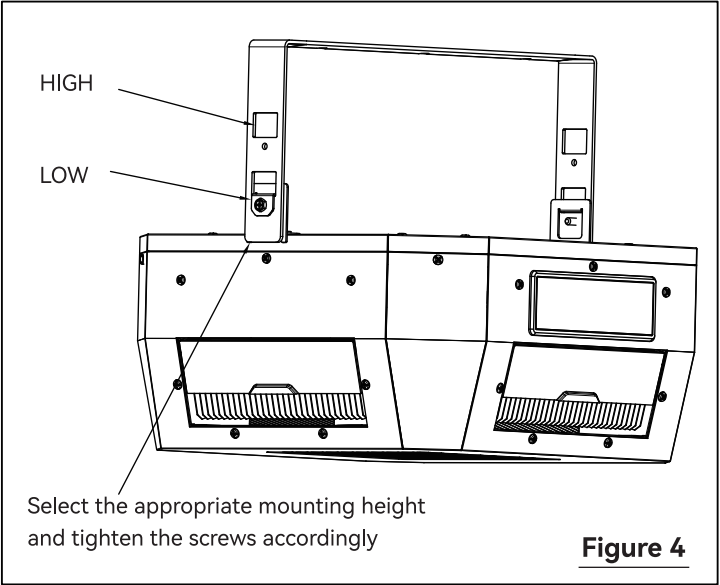


Figure 4

ADJUSTING AIR FLOW DIRECTION

- 1. Turning the unit-If the unit has been installed with a single lag bolt, as shown in the Figure 5, simply turn the entire unit as needed to adjust air flow.
- 2. Adjusting the louvers to the desired position.

NOTE: The louvers are designed so they can't be completely closed. Do not attempt to defeat this feature, damage to the unit can result.

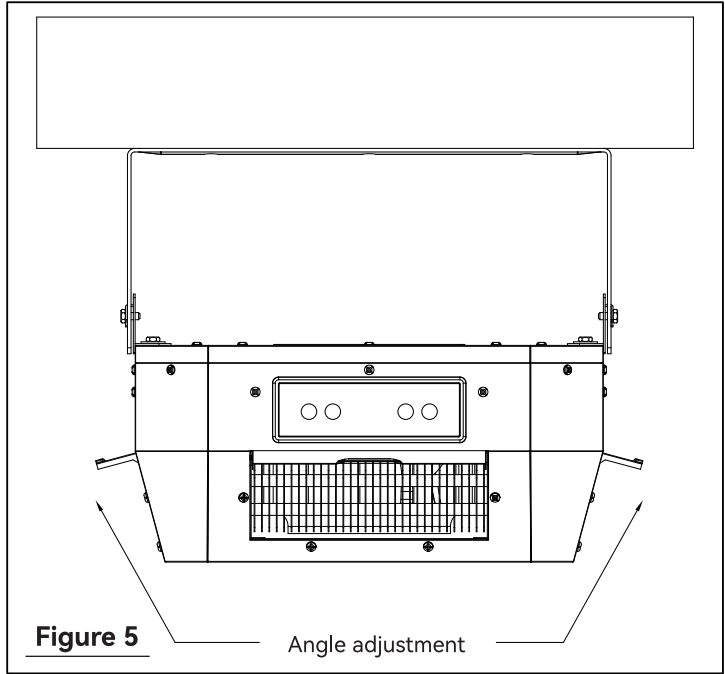
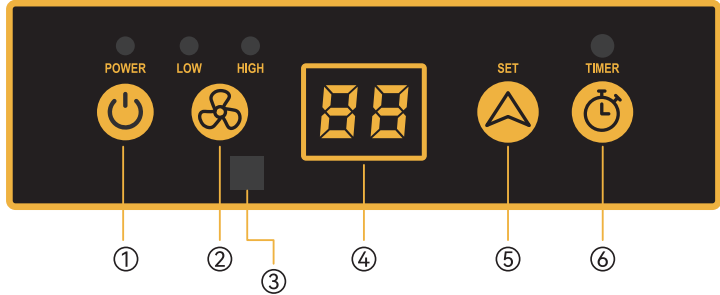


Figure 5

OPERATION

- 1. Turn on the power at the main service.



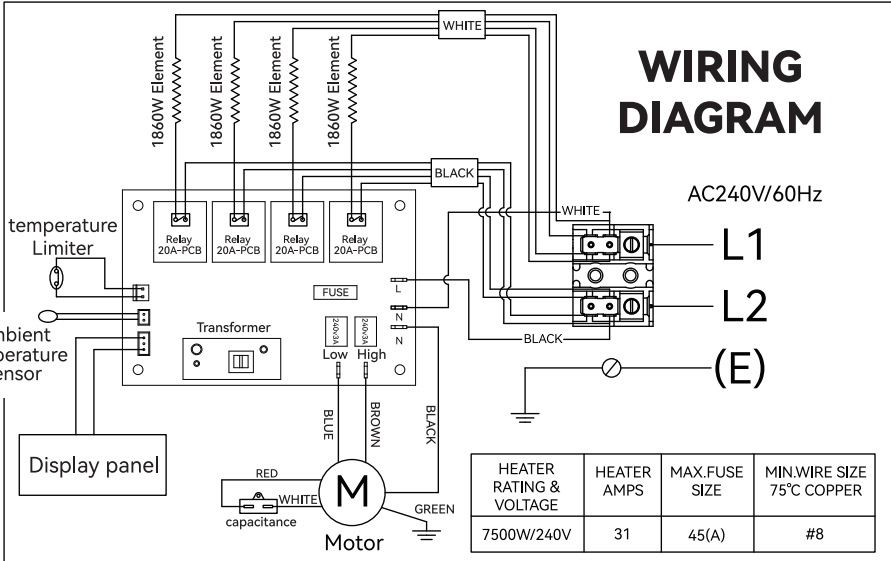
HANGING THE HEATER

- 1. “POWER” : Turn the heater on /off.
- 2. “LOW” : Adjustable heater wind speed.
- 3. Infrared receiver.
- 4.Used to display ambient temperature, set temperature, timing settings and fault codes.
- 5. “SET” : Used to set working temperature.
- 6. “TIMER” : Set the shutdown time, you can set 1-9 hours timer shutdown. "---" means timer canceled.

SAFETY INSTRUCTIONS

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 at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.

This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container. This heater is designed to be directly wired to 240 volt electric power. Never use with an extension cord or relocatable power tap (outlet/power strip).



Error code	Possible Cause	Recommended	Clearing Error Codes
E1 Overheat Safety Cut-Out (Resettable)	Insufficient Clearance Around Heater	Ensure Heater is Installed with Sufficient Clearance All-Around *8 feet minimum from floor *8 inches minimum from rear of heater *13 inches minimum from side of heater	To Clear E1 Code: 1. Power Off Heater. 2. Switch Off Breaker (or Remove Fuse) 3. Allow Heater to Cool (~15 minutes) 4. Switch on Breaker and wait 1 minute 5. Power On Unit and follow Instruction Manual for Normal Operation If E1 code persists please contact manufacturer to arrange product return.
	Obstructed Vent	Remove any objects on heater or adjacent to heater vents. Do not block intake or exhaust by columns, machinery, etc. Ensure 24 inches minimum distance from heater exhaust (front) to any object.	
	Fan Not Operational (Fan Blade Not Spinning)	Disconnect power! Inspect Fan Blade for foreign or dislodged object(s) preventing rotation. Remove Rear Grille and clear interference, re-attach Rear Grille.	
		Disconnect power! Open Hinged Cover by removing retaining screw. Inspect Circuit Card Assembly (adjacent to Supply Connection Terminal Block) for loose or detached "plug-in" electrical connector. Re-attach securely, close Cover and re-install retaining screw.	
	Inadequate Copper Wire Guage for Supply Connections (Fan Operates at Reduced Speed Due to Insufficient Power Input)	Consult a licensed electrician. Ensure Adequate Wire Guage for Supply Connections	
	Excessive Distance from Power Source (Fan Operates at Reduced Speed Due to Current Loss)		
	Inadequate Current (Amp) Rating on Breaker	Consult a licensed electrician. Ensure adequately sized Current Breaker or Fuse per National & Local Electrical Codes.	
	Improper Heater Shut Down	Do not power off heater using breaker. Fan motor is designed to operate for a short period of time after heating element shuts off to prevent an overheat condition.	
E2 Room Temp Sensor Open Circuit	Detached or Loose Connection at Room Temperature Sensor	Disconnect power! Open the housing, check whether the temperature sensor thermocouple is loosened or disconnected, and replace the temperature sensor if it is found to be damaged.	To Clear E2 Codes: 1. Power Off Heater. 2. Switch Off Breaker (or Remove Fuse) 3. Switch on Breaker and wait 1 minute 4. Power On Unit and follow Instruction Manual for Normal Operation If E2 code persists please contact manufacturer to arrange product return.
No Power or Low Power to Heater	Supply Connections Improperly Wired	Consult a licensed electrician. Ensure Supply Connections L1, L2, L3 & Ground are secure. (L3 only provided in certain models).	Re-Start Unit. Follow Instruction Manual for Normal Operation.
	Insufficient Service Loop on Supply Connections	Consult a licensed electrician. Ensure sufficient service loop in supply wires to maintain secure electrical connections to rotate heater on bracket (particularly when using rigid or semi-rigid conduit).	
	Electrical Short-to Ground	Consult a licensed electrician. Ensure Supply Connections (L1, L2 & L3) are not contacting Housing (Ground) (L3 only provided in certain models).	