OMBERR

GHA70

HEAVY DUTY 7000W ELECTRIC UTILITY HEATER

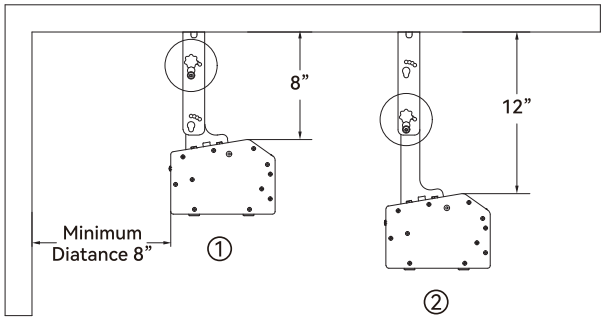
DESCRIPTION

Electric utility heaters are designed to meet a variety of heating requirements. Heat output ranges to 23,885 BTUs per hour. Features all round flow, built-in thermostat and high limit thermal cutout.

SPECIFICATIONS

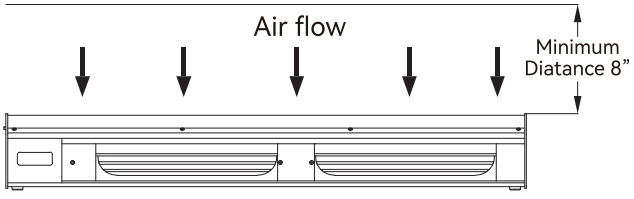
Model	WATTS	VOLTS	PHASE	AMPS	BTU/HUOR
GHA70	7000W	240V60Hz	1	29.2	23885

Wall Mounting



NOTE:
1. The back of the heater should not be less than 8 inches from the wall.
2. Two adjustable suspension heights of 8” and 12” from the ceiling plane.
3. Suspension angle adjustable in four positions from 90° to 130°.

Floor Placement



NOTE:
1. When placing the heater, leave at least 8 inches of clearance above the air intake. Otherwise, it may cause electrical damage and create a fire hazard.

2. The air guide must not block airflow upward or downward and should be a minimum of **1/2 inch** from the edges of the upper and lower outlets.

⚠ WARNING

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

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 forat 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.

18. SAVE THESE INSTRUCTIONS

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 higher before connecting to power supply.

HEATER RATING & VOLTAGE	HRATER AMPS	MAX. FUSE SIZE	MIN. WIRE SIZE 75°C. COPPER
7000W@240V	29.2	45	#10

1. Remove the screw shown in the image, take off the electrical panel cover, and you will see three internal power wires (one black L1, one white L2, and one yellow-green ground wire). Pull them out gently, then rotate the metal cover plate on the panel slightly in a semicircle and remove it. **(Figure 1a)**

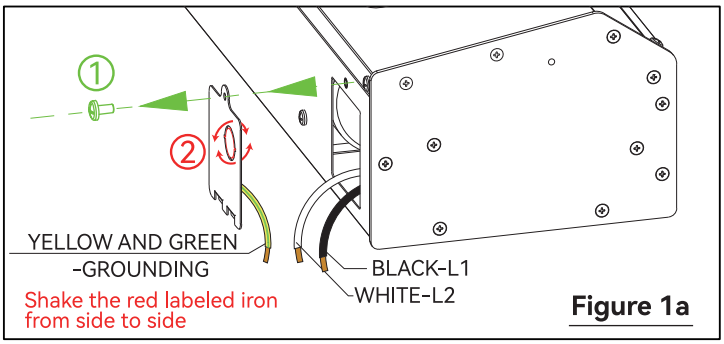
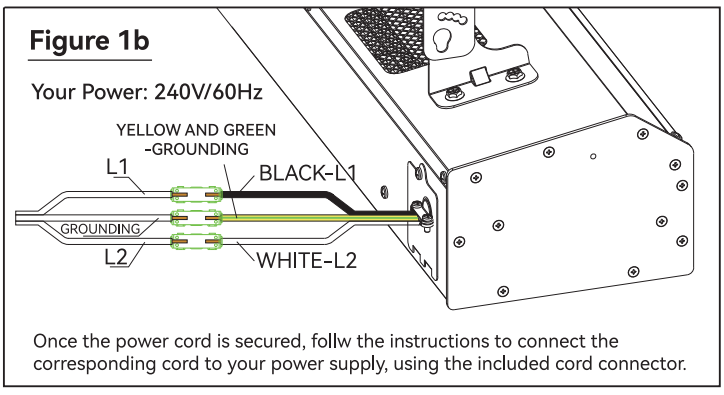
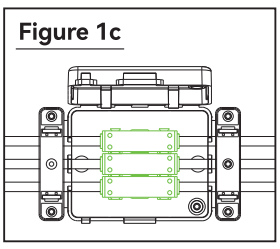


Figure 1a

2. Install a clamp-type cable connector (size: 3/8", not included) into the electrical panel. Feed the three factory-installed wires through the connector, then reattach the electrical panel. After relieving the wire stress, tighten the clamp connector securely. **(Figure 1b)**



Place the secured terminal connectors into the included control box. If you need to mount the control box to the wall, you can use the two screw holes inside for installation. Then press down the clips on both sides of the control box, and finally snap the cover into place.**(Figure 1c)**



3. Connect your power supply wires to the heater wires as shown in Figure 1b.
Important: Make sure your power output is **240V, 60Hz.**

4. After confirming that all wiring connections are correct, power on the heater to test whether it operates normally. If everything is working properly, turn off the heater and wait for it to cool down completely. Once cooled, disconnect the power supply.

HANGING INSTALLATION

1. Before hanging the heater, locate a ceiling joist. This step is crucial—the joist must support at least **100 lbs**. Mark four mounting holes on the joist. (If the joist is very hard, you may need to pre-drill holes using a 4mm drill bit.) **(Figure 2a)**

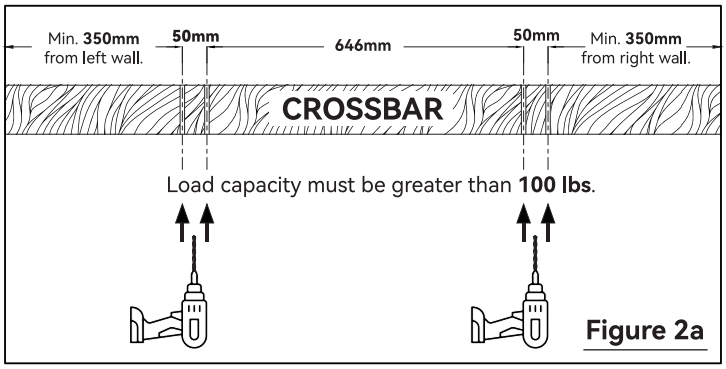


Figure 2a

2. Use the provided M8 screws to instal the upper part of the bracket to the crossbar marked in the previous step. **(Figure 2b)**

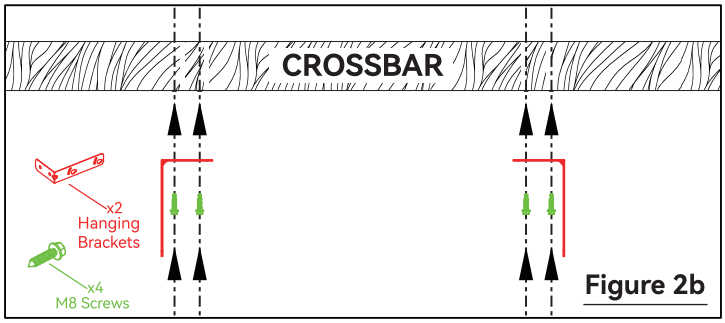


Figure 2b

3. Next, attach the heater's hanging brackets by using M6 screws and washers to install the bracket shown in Figure 2c. Tighten the hex screws securely on both brackets. **(Figure 2c)**

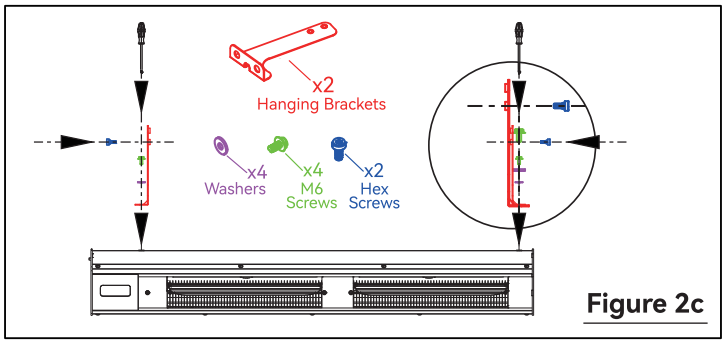


Figure 2c

4. After completing the steps above, lift the heater and hook the hex screws onto the upper mounting brackets. Adjust to your desired angle, then tighten the star knobs into the corresponding holes to complete installation. **(Figure 2d)**

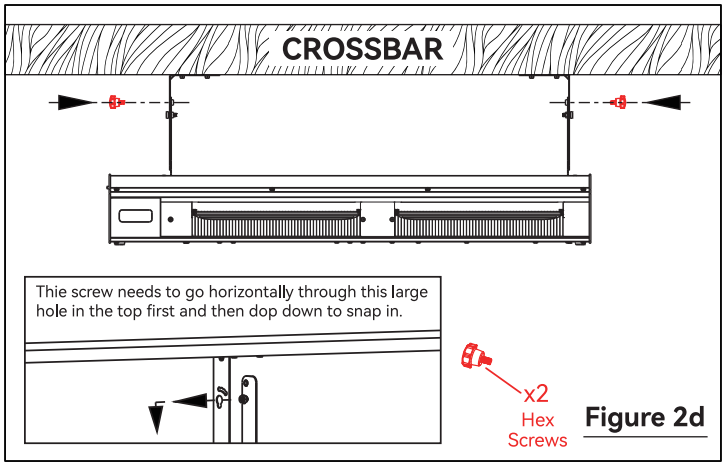


Figure 2d

REMOTE CONTROL

1. Timer Button

Press this button to enter timer setting mode. The display will show (8.8.8.8.) upon the first press. In this mode, use the "+" or "−" buttons to adjust the desired timer, starting from 0.5H, increasing or decreasing by 0.5H with each press. If there is no operation for 3 seconds, the system will exit the timer setting mode automatically.

2. Power Button

Functions the same as the power button on the control panel. Press to turn the heater ON or OFF. The display will show “ON--” or “OFF-”.

°C/°F 3. Celsius/Fahrenheit Switch Button

Functions the same as the combination key on the control panel. Single press to switch between Fahrenheit and Celsius display.

4. + and - Buttons

Single press to adjust the heater's set temperature and timer duration.

Note: All buttons on the remote control do not support long-press operation.

CONTROL PANEL

1. Power Button

Single press to turn the heater ON or OFF.
The display will show “ON--” or “OFF-”.

2. Value Button

Single press to increase the set temperature by 1 each time. Long press for rapid adjustment; release to stop at the current set value.

3. Combination Key

Press and hold these two buttons simultaneously for 3 seconds to switch between Fahrenheit and Celsius display.

4. Display Screen Indicator

When the heater is turned on and in standby mode, the third dot on the display blinks.
When the heater is running, the third dot turns off.

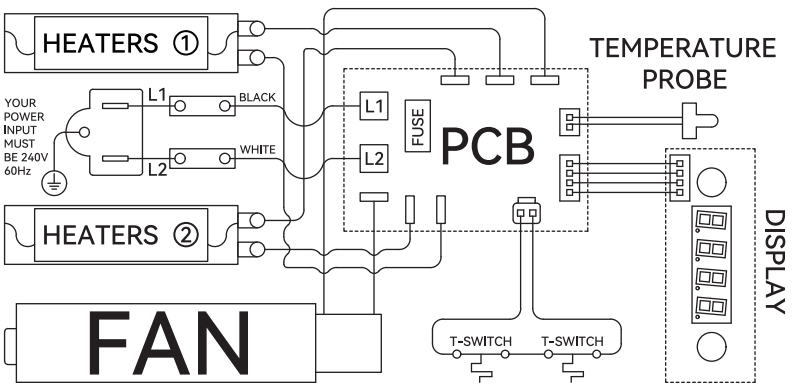
When the timer is activated, the fourth dot blinks.
When the timer mode is exited, the fourth dot turns off.

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 front and top.

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).

WIRING DIAGRAM



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 minimun 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.	
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).	