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**INSTALLATION INSTRUCTIONS
 for KING Contractor Utility Heater “KCH Series”**



WARNING



Read Carefully - These instructions contain necessary information for the proper installation, use and efficient operation of the heater. Carefully read these instructions before installation, operation of the heater. Failure to adhere to the instructions could result in fire, electric shock, serious personal injury, death or property damage. **SAVE THESE INSTRUCTIONS** and review frequently for continuing safe operation and instruction of future users, if necessary.

IMPORTANT INSTRUCTIONS

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

1. Read all instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use the handle when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 ft. (0.9 m) from the front of the heater and keep them away from the sides and rear.
3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
4. Always unplug heater when not in use.
5. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
6. Do not use outdoors.
7. 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.
8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
9. To disconnect heater, turn thermostat to off, then remove plug from outlet.
10. Connect to properly grounded outlets only.

11. 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.
12. 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.
13. 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.
14. 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.
15. Avoid the use of extension cord because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord shall be No. 8 AWG minimum size and rated for not less than 30 amps.
16. This heater may include a visual alarm to warn that parts of the heater are getting excessively hot. If the alarm flashes, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. **DO NOT OPERATE THE HEATER WITH THE ALARM FLASHING.**
17. This heater is not approved for use in corrosive atmospheres such as marine, green house or chemical storage areas.

**18. SAVE THESE INSTRUCTIONS
 USER INSTRUCTIONS**

CAUTION

- Not for residential use in USA.
- To prevent possible overheating - or damage due to overheating - keep at least 3 ft. (0.9 m) clearance in front of heater.
- Respect minimum clearance installation as specified in these instructions.
- This heater is for use on 240 volts. The cord has a plug as shown in **Figure 1**. No adapter is available for this blade configuration, and none should be used. The type of outlet is a 240 volt grounding outlet. When properly installed, it provides a ground connection through the cord to the heater to protect the operator from electric shock.

Figure 1

Plug:  **6 - 20 P
4 kW**

HEATER OPERATION

1. Plug in heater.
2. Rotate thermostat knob full clockwise. The fan will start and the element will heat.
3. When the desired temperature is reached, turn the thermostat counter-clockwise slowly till the fan stop. To set the room temperature turn slowly the thermostat clockwise or counter-clockwise.

LOCATE HEATERS PROPERLY

For model KCH-B, wall and ceiling structures and anchoring provisions must be of sufficient strength to support the combined weight of the heater and mounting bracket 11 lbs (5 kg).

FLOOR MOUNTING:

Place heater on floor, plug into proper wall outlet and adjust heater to direct airflow.

WALL MOUNTING: (Model KCH-B only)

- Heater may be mounted for horizontal air discharge only.
- Maximum mounting height:
Horizontal air flow – 8 ft. (2.44 m).
- Minimum clearance:
3 1/2 in. (90 mm) from the wall
3 ft. (0.9 m) from the front of the heater.
6 in. (150 mm) from the ceiling;
- Wall must be able to support the weight of the heater 11 lbs (5 kg).
- Fix the bracket to the wall structural members with the supply screws.
- Plug into proper wall outlet.

CEILING MOUNTING: (Model KCH-B only)

- Heater may be mounted for horizontal air discharge only.
- Maximum mounting height:
Horizontal air flow – 8 ft. (2.44 m).
- Minimum clearance:
3 1/2 in. (90 mm) from the wall
3 ft. (0.9 m) from the front of the heater.
6 in. (150 mm) from the ceiling;
- Ceiling must be able to support the weight of the heater 11 lbs (5 kg).
- Fix the bracket to the ceiling structural members with the supply screws.
- Plug into proper wall outlet.

SERVICE

- The heater motor is permanently lubricated.
- Occasional cleaning of the inlet grille will prevent clogging. Use a vacuum with a brush attachment.
- Any other servicing should be performed by an authorized service representative.

WARRANTY

KING ELECTRICAL MFG. CO. warrants the component parts of its products against defects in material and workmanship for a one (1) year period following the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. The obligation of KING ELECTRICAL MFG. CO., under the terms of this warranty, will be to supply a new unit and this omits the manufacturer to bear the installation costs or other secondary charges linked to replacing the unit or the component part(s).