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KING W2020-W

King W2020-W Electric Wall Heater

USER MANUAL

Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your King W2020-W Electric Wall Heater. Please read all instructions carefully before installation and use to ensure proper function and to prevent personal injury or property damage. Keep this manual for future reference.



Image 1: Front view of the King W2020-W Electric Wall Heater, showing the white grille and compact design.

Key Features:

- **Economically Built For Maximum Comfort:** Designed for efficient heating in various indoor spaces.
- **NiChrome Open Coil Element For Quick Heat Transfer:** Provides rapid and effective heating.
- **Dual Wattage Design:** Offers flexibility with 2000W and 1000W settings for varied heating needs.
- **C-Frame Motor:** Ensures reliable and quiet operation.
- **Patented Smart Limit Protection:** Advanced safety feature to prevent overheating.

Important Safety Information

WARNING: To reduce the risk of fire, electric shock, or injury, observe the following:

- Read all instructions before installing or using this heater.
- 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, and curtains, at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.

- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- 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.
- Do not use outdoors.
- 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.
- 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.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- 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.
- 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.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- 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.
- Always connect heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

Package Contents

Upon opening the package, verify that all components are present and undamaged. If any parts are missing or damaged, do not attempt to install or operate the heater. Contact customer support immediately.

- King W2020-W Electric Wall Heater Unit
- Installation Hardware (screws, etc.)
- User Manual (this document)

Installation and Setup

IMPORTANT: Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Incorrect installation can lead to fire, electric shock, or injury.

1. **Choose Location:** Select a wall location that is clear of obstructions and combustible materials. Ensure there is adequate clearance around the heater as specified in local codes and the heater's labeling. The heater is designed for indoor use.
2. **Prepare Wall Opening:** Create a wall opening suitable for the heater's dimensions (refer to specifications). Ensure the opening is structurally sound to support the heater's weight.
3. **Wiring:** Turn off power at the main circuit breaker before beginning any wiring. Connect the heater to a dedicated 208V circuit. Follow the wiring diagram provided with the unit and adhere to all electrical codes. This model supports dual wattage (2000W/1000W); ensure correct wiring for your desired wattage setting.
4. **Mounting:** Securely mount the heater housing into the wall opening using appropriate fasteners. Ensure the unit is level and flush with the wall surface.
5. **Install Grille:** Once wiring and mounting are complete, attach the front grille to the heater housing.

6. **Power On:** Restore power at the main circuit breaker.

Product features:

- ✓ Compact design fits into any standard 2" x 4" wall
- ✓ 3 piece construction makes for easy installation
- ✓ Permanently lubricated motor extends life
- ✓ Ni-Chrome element produces instant heat
- ✓ Aluminum fan for efficient airflow
- ✓ Patented smart limit™ technology

King Smart Limit™ Technology is the only patented thermo-overload protection available for electric wall heaters.

Made in USA

Model W

KING LIMITED 1 YEAR WARRANTY

finned grille Heater housing rough-in-can

Exclusive safety feature:

King Electric developed the Smart Limit™ alert system over 10 years ago in an effort to provide the safest electric fan heaters available. Our exclusive proprietary technology senses potential hazards such as a clogged element, incorrect supply voltage, a stalled fan, or an object blocking the heater and immediately shuts the unit off. The self-holding limit keeps the heater off until problem is resolved; the limit is then reset by turning the power off for a few minutes.

W Heater	Height	Width	Depth
Rough-in Can	12"	9"	4"
Finished Grille	13.5"	10"	0.5"

www.king-electric.com

Heater

Electric Wall

Perfect for small rooms and spaces.

Image 2: Exploded view of the King W2020-W Electric Wall Heater, illustrating the heater housing, finned grille, and internal components, along with key dimensions.

Installation Video:

Your browser does not support the video tag.

Video 1: An overview of the King W-Series Wall Heater, demonstrating its features and applications. This video provides visual context for the product, including its design and how it fits into various settings.

Operating Instructions

The King W2020-W Electric Wall Heater features adjustable temperature control for personalized comfort.

1. **Turning On/Off:** The heater is typically controlled by a wall-mounted thermostat (sold separately or integrated, depending on model variant). Turn the thermostat to the desired setting to activate the heater. Turn it to the lowest setting or "OFF" to deactivate.
2. **Adjusting Temperature:** Rotate the thermostat dial (if present) or use the thermostat controls to set your preferred room temperature. The heater will cycle on and off to maintain the set temperature.
3. **Dual Wattage (if applicable):** If your unit is wired for dual wattage, ensure the correct wattage (2000W or 1000W) is selected during installation based on your heating requirements. This setting is typically fixed during wiring and not user-adjustable during operation.

For optimal performance, avoid placing objects directly in front of the heater that could obstruct airflow.

Maintenance

Regular maintenance ensures efficient and safe operation of your heater. Always disconnect power at the circuit breaker before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the heater and the grille with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the heater is completely dry before restoring power.
- **Dust Removal:** Use a vacuum cleaner with a brush attachment to gently remove dust and lint from the grille and internal components. Avoid touching the heating element.
- **Inspection:** Annually inspect the heater for any signs of damage, loose connections, or unusual wear. If any issues are found, contact a qualified technician for repair.

Troubleshooting

If your heater is not operating correctly, consult the following table before contacting service.

Problem	Possible Cause	Solution
Heater does not turn on.	No power to the unit; thermostat set too low; circuit breaker tripped; Smart Limit Protection activated.	Check circuit breaker; ensure thermostat is set above room temperature; reset Smart Limit Protection by turning off power for a few minutes and then restoring.
Heater produces insufficient heat.	Room size too large for heater; thermostat set too low; airflow obstructed.	Ensure heater wattage is appropriate for room size; increase thermostat setting; clear any obstructions from the heater's grille.
Heater cycles on and off frequently.	Thermostat sensing incorrect room temperature; heater is oversized for the room.	Relocate thermostat if external; ensure proper heater sizing for the space.
Unusual noises from heater.	Loose components; dust buildup on fan.	Disconnect power and inspect for loose parts; clean fan and internal areas. If noise persists, contact a qualified technician.

Specifications

Feature	Detail
Model Number	W2020-W
Brand	KING
Voltage	208 Volts
Wattage	2000 Watts (Dual Wattage: 2000W/1000W)
Color	White
Mounting Type	Wall Mount (Rack Mount form factor)
Indoor/Outdoor Usage	Indoor

Feature	Detail
Heating Coverage	Up to 200 square feet
Fuel Type	Electric
Special Features	Adjustable Temperature, Overheat Protection (Smart Limit Protection)
Product Dimensions	9 x 4 x 12 inches
Item Weight	8 pounds
Certification	UL Listed

Warranty and Support

This King W2020-W Electric Wall Heater comes with a **1 Year Warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For warranty claims, technical support, or to purchase replacement parts, please contact King Electric customer service. Refer to the official King Electric website for the most current contact information.

Manufacturer: King Electric