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› [KING](#) /

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## KING KBP2406

# KING KBP2406 KBP Multi-Wattage Compact Unit Heater User Manual

Model: KBP2406 | 5700W / 240V / 1 Ph

## INTRODUCTION

This manual provides comprehensive instructions for the safe installation, operation, and maintenance of your KING KBP2406 KBP Multi-Wattage Compact Unit Heater. Please read all instructions carefully before installation and use to ensure proper function and safety.

## IMPORTANT SAFETY INFORMATION

- Always disconnect power before servicing or cleaning the heater.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the heater with a damaged cord or plug, or after the heater malfunctions or has been dropped or damaged in any manner.
- Maintain proper clearances from combustible materials as specified in installation instructions.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces.
- Close supervision is necessary when any heater is used by or near children or invalids.
- 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.

## SETUP AND INSTALLATION

The KBP2406 unit heater is designed for versatile installation in garages or shops. It comes with a universal wall/ceiling bracket for flexible mounting options.

### Mounting

Utilize the provided universal bracket to securely mount the heater to a wall or ceiling. Ensure the mounting surface can support the weight of the unit (approximately 24 pounds) and that the heater is positioned to allow for efficient air circulation.



**Figure 1:** Angled view of the KING KBP2406 Compact Unit Heater, showing its robust construction and integrated mounting bracket.

## Electrical Wiring

This model operates on 240 Volts, 1 Phase, and requires a dedicated 30 Amp 2-pole breaker. All wiring must be performed by a qualified electrician in accordance with local and national electrical codes. Refer to the wiring diagram located on the unit's back panel for specific connections.







Figure 4: Front panel of the heater, showing the thermostat control knob and the 3-position selector switch.

## Control Panel

The heater features two main controls on its front panel:

- **Thermostat Knob:** Adjusts the desired room temperature, ranging from 40°F to 80°F. The heater will cycle on and off to maintain this set temperature.
- **3-Position Selector Switch:**

- **OFF:** Turns the heater completely off.
- **FAN:** Activates the fan only, circulating air without heat.
- **HEAT:** Activates both the heating elements and the fan, controlled by the thermostat.

Fan Delay Feature

The integral fan delay feature ensures that the fan continues to operate for a short period after the heating elements turn off. This dissipates residual heat from the elements, maximizing heat exchange into the room and extending element life.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater. Always disconnect power before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Internal Inspection:** Annually, or as needed, inspect the internal components for dust accumulation. If necessary, carefully clean with a vacuum cleaner or compressed air. Ensure no foreign objects obstruct the fan or heating elements.
- **Electrical Connections:** Check electrical connections for tightness and signs of wear.

TROUBLESHOOTING

If your heater is not operating correctly, consult the following common issues before contacting customer support.

Problem	Possible Cause	Solution
Heater does not turn on.	No power, circuit breaker tripped, selector switch in OFF position.	Check power supply, reset circuit breaker, ensure selector switch is in HEAT or FAN position.
Heater runs but no heat.	Selector switch in FAN position, thermostat set too low, heating element issue.	Set selector switch to HEAT, increase thermostat setting. If problem persists, contact a qualified technician.
Heater cycles on/off too frequently.	Thermostat setting too close to ambient temperature, poor air circulation.	Adjust thermostat setting. Ensure heater is not obstructed and has adequate clearance for airflow.
Thermostat appears inaccurate.	Normal variation, external drafts affecting sensor.	Adjust the thermostat to achieve desired comfort level, rather than relying solely on the numerical setting. Ensure heater is not in a drafty area.

SPECIFICATIONS

Brand	KING
Model Number	KBP2406
Wattage	5700 Watts (adjustable via Pic-A-Watt)
Voltage	240 Volts
Amperage	23.8 Amps
Phase	1 Phase
Color	Onyx Gray

Item Weight	24 pounds
Product Dimensions (L x W x H)	13.63 x 10.38 x 11.25 inches
Min Temperature Setting	40 Degrees Fahrenheit
Max Temperature Setting	80 Degrees Fahrenheit
Mounting Type	Wall Mount, Ceiling Mount
Indoor/Outdoor Usage	Indoor

## WARRANTY INFORMATION

This KING KBP2406 heater comes with a **5-Year Limited Warranty**. For detailed terms and conditions, please refer to the warranty card included with your product or visit the manufacturer's website.



## CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact KING customer service or visit their official website:

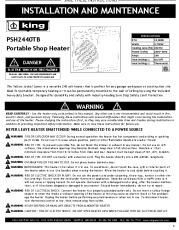



- **Manufacturer:** King Electric
- **Website:** [Visit the KING Store on Amazon](#)
- Refer to your product packaging for direct contact information.



## Related Documents - KBP2406

	<p><a href="#">King KBP ECO2S+ Series Compact Unit Heater - Energy Efficient 2-Stage Heating</a></p> <p>Detailed information on the King KBP ECO2S+ Series compact unit heater, featuring energy-saving ECO2S+ electronic control, 2-stage heating, remote temperature sensing, and versatile installation options. Includes specifications, ordering information, and engineering details.</p>
	<p><a href="#">King KBP-RCS Series Ruggedized Cold Start Unit Heater - Reliable Performance Down to -40°F</a></p> <p>Discover the King KBP-RCS Series, a compact and ruggedized unit heater engineered for extreme cold environments. Reliable operation down to -40°F with selectable wattage and heavy-duty construction for industrial and commercial applications.</p>



	<p><a href="#">King PSH2440TB Portable Shop Heater: Installation, Operation, and Safety Manual</a></p> <p>This comprehensive manual provides essential information for the King PSH2440TB Portable Shop Heater, including installation, safety guidelines, operating instructions, maintenance tips, and troubleshooting solutions. Designed for garage and workshop use, it features 3750W power and 240V operation.</p>
	<p><a href="#">King KCV Series Cove Heater Installation Guide</a></p> <p>Official installation instructions for the King KCV Series Cove Heater (Model KCV1202), detailing safety precautions, electrical setup, mounting, wiring, and maintenance.</p>
	<p><a href="#">King W Series Electric Space Heater: Installation, Operation, and Maintenance Guide</a></p> <p>Comprehensive guide for King W Series electric space heaters, covering installation, wiring, operation, safety warnings, troubleshooting, maintenance, and warranty information.</p>
	<p><a href="#">King KDSR Series Electric Heater Installation, Operation, and Maintenance Manual</a></p> <p>Comprehensive guide for King KDSR Series electric heaters (2 kW to 5 kW), covering installation, safe operation, and regular maintenance. Includes important safety warnings and instructions for standard and suspended ceiling mounting.</p>