

Compact Unit Heater KBP Series



Model Code:

| | | |
|-----|----|----|
| KBP | 24 | 06 |
| A | B | C |

A: Series
B: 12 - 120V 24 - 240V
20 - 208V 27 - 277V
48 - 480V
C: Watts (950 to 6000)



- Pic-A-Watt® element
- Multiple wattage selection
- 385 CFM Output
- Long life cast iron motor
- High accuracy built-in thermostat
- Fan delay
- Patented Smart Limit Protection®
- Aluminum fan blade
- Universal (wall/ceiling) mounting bracket
- Standard color: Onyx Gray
- Selector switch: Heat/Fan/Off-Disconnect
- 5-year limited warranty



Multiple Wattage Unit Heater

The KBP is the industry standard for multi-wattage garage / shop heaters. Designed for rugged performance, the flow-through design efficiently moves air by pulling air from the back of the heater and discharges it out the front, easily heating a large space. With high quality components suitable for both residential and commercial applications, it comes standard with a 3 position (Heat/Fan/OFF-DISCONNECT) switch and an accurate built-in thermostat. The integral fan delay continues to dissipate heat from the elements during the cool down period, maximizing the heat exchange in the room. King's exclusive dual Pic-A-Watt steel fin elements allow customers to select from a range of wattage options, tailoring the heater to an area's specific heating requirements.

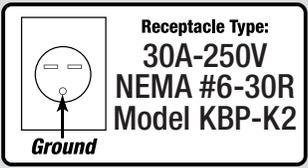
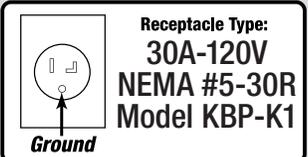
Ordering Information

| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|----------------|-------|------------------------------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| KBP1230 | 15191 | 2850-1900-950 | 9,727 - 3,242 | 1 | 120 | 23.8 - 7.9 | 385 | 23°F-8°F | 12 ft. | 8 ft. | 26 |
| KBP2406 | 15190 | 5700-4750-3800-2850-1900-950 | 19,454 - 3,242 | 1 | 240/208* | 23.8 - 4 | 385 | 47°F-8°F | 12 ft. | 8 ft. | 24 |
| KBP2006-3MP-DS | 70012 | 5700-2850 | 19,454 - 9,727 | 1-3 | 208 | 15.8 - 7.9 | 385 | 47°F-23°F | 12 ft. | 8 ft. | 26 |
| KBP2406-3MP-DS | 70013 | 5700-2850 | 19,454 - 9,727 | 1-3 | 240/208* | 13.7 - 6.9 | 385 | 47°F-23°F | 12 ft. | 8 ft. | 25 |
| KBP2704 | 15187 | 4000-3000-2000-1000 | 13,652 - 3,413 | 1 | 277 | 14.5 - 3.6 | 385 | 33°F-8°F | 12 ft. | 8 ft. | 26 |
| KBP4804-3MP-DS | 70014 | 4160 | 14,198 | 1-3 | 480*** | 5 | 385 | 34°F | 12 ft. | 8 ft. | 26 |
| KBP4806-3MP-DS | 70015 | 6000 | 20,478 | 1-3 | 480*** | 7.2 | 385 | 49°F | 12 ft. | 8 ft. | 26 |

*Approved for 208V operation. Heater will draw 13% less Amps and 25% less wattage ** Prewired for 3-Phase, Field Convertible to 1-Phase
 ***480 Volt models are 24 Volt control Minimum clearance from combustibles: 18" from front, 2" from top, 6" from sides and 5" from rear. Minimum clearance 6' from floor.

Accessories

| MODEL | UPC | PHASE | WEIGHT (lbs.) |
|--------|-------|--|---------------|
| KBP-K1 | 15198 | 6 ft. cord/handle kit - 120V, 1-Phase, 30 Amp (Receptacle not included. See below) | 2 |
| KBP-K2 | 15199 | 6 ft. cord/handle kit - 240V, 1-Phase, 30 Amp (Receptacle included. See below) | 2 |



| TEMPERATURE RISE PER WATTAGE CHART | | | | | | | |
|------------------------------------|--------|-----|------------|-------|--------|-----|------------|
| WATTS | BTUH | CFM | TEMP. RISE | WATTS | BTUH | CFM | TEMP. RISE |
| 950 | 3,242 | 385 | 8 | 3800 | 12,969 | 385 | 31 |
| 1000 | 3,413 | 385 | 8 | 4000 | 13,652 | 385 | 33 |
| 1900 | 6,485 | 385 | 16 | 4160 | 14,198 | 385 | 34 |
| 2000 | 6,826 | 385 | 16 | 4750 | 16,212 | 385 | 39 |
| 2850 | 9,727 | 385 | 23 | 5700 | 19,454 | 385 | 47 |
| 3000 | 10,239 | 385 | 25 | 6000 | 20,478 | 385 | 49 |

Engineering Specifications

Contractor shall supply and install KBP Series unit heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Pic-A-Watt Heating Element: Exclusive King multi-tap element allows field adjustment to several wattages at time of installation. Steel sheath elements of various resistance are copper brazed to steel plate fins producing a multi-wattage heating element.

Built-in Thermostat: Single pole factory installed hydraulic capillary tube thermostat for precision heating control. Operating range 40° to 90° F.

Heat / Fan / Off-Disconnect Switch: 3-position switch provides heating and summer fan only operation. The DPST off switch provides a "positive off" that disconnects all ungrounded conductors.

Fan Delay Switch: The fan continues to operate after the thermostat shuts off in order to remove the residual heat left in the elements. Power must not be interrupted.

CFM: 385

Universal Mounting Bracket: Combination ceiling/wall bracket is included with every heater.

Unit Bearing Motor: Permanently lubricated, long life, unit bearing 4-Pole motor with 20 cc of oil. Enclosed rotor provides long-lasting, trouble-free operation. Thermally protected. 1500 RPM.

Electrically Held Smart Limit Protection: Heater shuts off when an over temperature condition exists and automatically resets when the normal operating temperature returns.

Tested: UL 2021

Approval: cCSAus

Dimensional Data

