



SUBMITTAL SHEET

| | | |
|--|---------------------|-------------|
| Job Name: _____ | Submitted By: _____ | Date: _____ |
| Location: _____ | _____ | _____ |
| Architect: _____ | _____ | _____ |
| Engineer: _____ | Approved By: _____ | Date: _____ |
| Contractor: _____ | _____ | _____ |
| Submitted By: _____ | _____ | _____ |
| King Contact: _____ | _____ | _____ |
| Quotes@king-electric.com | | |
| Date: _____ | | |

| Tag | Qty | Item Number | Watts | Volts | PH | Amps | Weight |
|-------|-------|-------------|-------|-------|-------|-------|--------|
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
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| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
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| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

Accessories

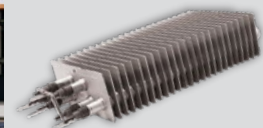
| Tag | Qty | Item Number |
|-------|-------|-------------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

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
Steel Fin Element



- Pic-A-Watt® element
- Multiple wattage selection
- Service disconnect switch included
- High accuracy built-in thermostat
- 385 CFM output
- Fan delay
- Patented Smart Limit Protection®
- Aluminum fan blade
- Long life cast iron motor
- Standard color: onyx gray
- Universal (wall/ceiling) mounting bracket
- 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. 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 - single phase In-Built Thermostat Models

| 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 |
| 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 |

*Approved for 208V operation. Heater will draw 13% less Amps and 25% less wattage

**1-Phase units include Heat / Fan / Off-Disconnect Switch

Ordering Information - multi phase In-Built Thermostat Models

| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|----------------|---------|-----------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| 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 |
| 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

** 3MP-DS units include Heat / Fan / Off-Disconnect Switch / Prewired for 3-Phase, Field Convertable to 1-Phase

***480 Volt models are 24 Volt control

Ordering Information - single phase 24V Remote Thermostat Models

| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|--------------|---------|------------------------------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| KBP1230-RT24 | 70375** | 2850-1900-950 | 9,727 - 3,242 | 1 | 120 | 23.8 - 7.9 | 385 | 23°F-8°F | 12 ft. | 8 ft. | 26 |
| KBP2406-RT24 | 70376** | 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 |
| KBP2704-RT24 | 70377** | 4000-3000-2000-1000 | 13,652 - 3,413 | 1 | 277 | 14.5 - 3.6 | 385 | 33°F-8°F | 12 ft. | 8 ft. | 26 |

*Approved for 208V operation. Heater will draw 13% less Amps and 25% less wattage

**1-Phase units include Heat / Fan / Off-Disconnect Switch

Compact Unit Heater KBP Series

Ordering Information - multi phase 24V Remote Thermostat Models

| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|---------------------|---------|-----------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| KBP2006-3MP-RT24-DS | 70378** | 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-RT24-DS | 70379** | 5700-2850 | 14,198 | 1-3 | 240/208* | 13.7 - 6.9 | 385 | 47°F-8°F | 12 ft. | 8 ft. | 25 |
| KBP4804-3MP-RT24-DS | 70380** | 4160 | 13,652 - 3,413 | 1-3 | 480*** | 5 | 385 | 34°F | 12 ft. | 8 ft. | 26 |
| KBP4806-3MP-RT24-DS | 70381** | 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

** 3MP-DS units include Heat / Fan / Off-Disconnect Switch / Prewired for 3-Phase, Field Convertable to 1-Phase

***480 Volt models are 24 Volt control

Ordering Information - single phase Line Voltage Remote Thermostat Models

| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|------------|---------|------------------------------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| KBP1230-RT | 15219** | 2850-1900-950 | 9,727 - 3,242 | 1 | 120 | 23.8 - 7.9 | 385 | 23°F-8°F | 12 ft. | 8 ft. | 26 |
| KBP2406-RT | 15178** | 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 |
| KBP2704-RT | 15186** | 4000-3000-2000-1000 | 13,652 - 3,413 | 1 | 277 | 14.5 - 3.6 | 385 | 33°F-8°F | 12 ft. | 8 ft. | 26 |

*Approved for 208V operation. Heater will draw 13% less Amps and 25% less wattage

**1-Phase units include Heat / Fan / Off-Disconnect Switch

Ordering Information - multi phase Line Voltage Remote Thermostat Models

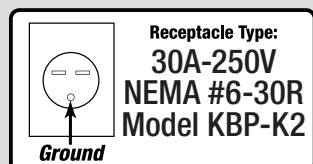
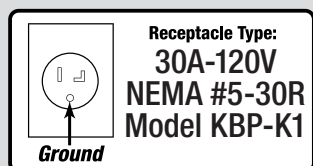
| MODEL | UPC | WATTS | BTUH (000) | PHASE | VOLTS | AMPS | CFM | TEMP. RISE | AIR THROW | MAX MOUNT HEIGHT | WT. (lbs.) |
|-------------------|---------|-----------|----------------|-------|----------|------------|-----|------------|-----------|------------------|------------|
| KBP2006-3MP-RT-DS | 70382** | 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-RT-DS | 70383** | 5700-2850 | 19,454 - 9,727 | 1-3 | 240/208* | 13.7 - 6.9 | 385 | 47°F-8°F | 12 ft. | 8 ft. | 25 |

*Approved for 208V operation. Heater will draw 13% less Amps and 25% less wattage

** 3MP-DS units include Heat / Fan / Off-Disconnect Switch / Prewired for 3-Phase, Field Convertable to 1-Phase

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

Minimum clearance from combustibles: 18" from front, 2" from top, 6" from sides and 5" from rear. Minimum clearance 6' from floor.

