king

Smart Heating Solutions

MADE IN USA
With U.S. & Global Materials

SUBMITTAL SHEET

Job Name: _____ Submitted By: Date:

Location: _____ _____ _____

Architect: _____ _____ _____

Engineer: _____ Approved By: Date:

Contractor: _____ _____ _____

Submitted By: _____ _____ _____

King Contact: _____ _____ _____

Quotes@king-electric.com

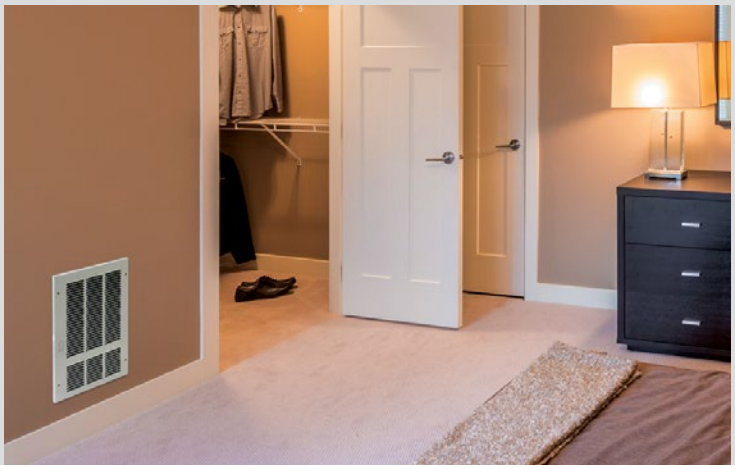
Date: _____

Tag	Qty	Item Number	Watts	Volts	PH	Amps	Weight

Accessories

Tag	Qty	Item Number

Medium Hydronic Heater HM/HME Series



Model Code:

H	12	09	-FS	-AS	-BW
A	B	C	D	E	F

A: Series HM=standard motor
HME=ECM Motor
B: Voltage 12 = 120 Volt
C: 09 = 9500Btu heat output @ 160ºF / High Speed
D: Fan Switch (Standard)
E: Aqua Stat (Optional)
F: -BW = Bright White Grill Color

HYDRONIC

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- Tangential blowers
- Fast coil heating
- Quiet operation
- 1/2" trade size copper tubes
- Flow-through design
- 4 or 8 aluminum fins per inch
- Easy motor removal for maintenance
- Permanently lubricated motor
- Powder-coated bright white
- Hi / Off / Lo fan switch
- Optional Aqua Stat Available
- Use HW series thermostats
- 2-year limited warranty

HM / HME Series Hydronic Medium Heater - 4,960 to 18,700 BTU

King's HM / HME Series medium hydronic heater uses the energy from a building's existing hot water source to offer efficient, whisper quiet operation and the ability to reduce utility bills with individual room control. By installing hydronic heaters in every room, you can easily heat only the areas in use and conserve energy. Designed to fit neatly between standard wall studs, this in-wall heater provides out of the way positioning ideal for use in bedrooms, bathrooms, and laundry rooms. For use in both residential and commercial applications. Provides 4960 to 18,700 Btu heat output.

Model Number	Volts	Can Size	Grill Size
HM & HME 1209 & 1215 – all versions	120	21¾"h x 14 ¼"w x 4¾"d	23¼"h x 15½"w x ¾"d

Ordering Information

	MODEL	Feet of Water Pressure Drop @ 2 GPM	Btu@2GPM	120ºF 48°C	140°F* 60°C	160°F* 71°C	180°F 82°C 200°F MAX	Motor Hi/Lo CFM	Decibels at 3-ft distance	Hi/Lo: Amps Hi/Lo: Watts
HM	HM1215-FS-BW	.90	HIGH SPEED	8812 BTU	11700 BTU	15500 BTU	18700 BTU	5 Watt output	Hi 64/62 dba	.42 / .38 Amps
			LOW SPEED	6600 BTU	8800 BTU	11600 BTU	14000 BTU	375 /220 CFM	Hi 60/58 dba	50.4 / 45.6 Watts
	Energy Saver ECM Motor	**Feet of Water Pressure Drop @ 2 GPM**	**Btu@2GPM**	**120ºF 48°C**	**140°F* 60°C**	**160°F* 71°C**	**180°F 82°C 200°F MAX**	**Motor Hi/Lo CFM**	**Decibels at 3-ft distance**	**Hi/Lo: Amps Hi/Lo: Watts**
HME	HME1215-FS-BW	.90	HIGH SPEED	8812 BTU	11700 BTU	15500 BTU	18700 BTU	150 to 375 High	Hi 63/61 dba	.09 / .06 Amps
			LOW SPEED	6600 BTU	8800 BTU	11600 BTU	14000 BTU	150 to 250 Low	Lo 54/52 dba	10.8 / 7.2 Watts

*most common water temperature range. Coils are made of copper alloy 122 manufactured to ATSM B-75 specifications.
Brazing alloy is AWS-BCUP2 for use with potable water systems. Electrical circuit size: 15 amp maximum.
BTU ratings based on 68° entering air. To calculate 1 GPM, multiply by 0.95. To calculate 4 GPM, multiply by 1.05.

Factory Installed Options

ADD SUFFIX	DESCRIPTION
-AS	Aqua Stat

Engineering Specifications

Contractor shall supply and install HM/HME Series hydronic fan heaters manufactured by King Electrical Mfg. Co., Seattle, Washington.

Motor: 2 speed shaded pole impedance protected. Permanently lubricated. Bronze bearings.
Blower: Tangential blower to provide 50 or 120 CFM of air. Quiet operation of less than 53 dB A weighted scale at high speed. Easily removed for service. Bronze, not plastic, bearings.
Coils: 1/2" ID Copper tubes with Aluminum fins of no more than 8 fins per inch for free flow of air and maximum circulation of air and water. Tested at 300 PSI for leaks. Copper tube used in coil is Alloy 122 made to ASTM B-75 specifications. For potable water use.
Grill: 20 gauge mild Steel, louvered with Nickel-plated grill screws. Powder-coated in bright white.
Wall Can: 20 gauge mild Steel, electro-galvanized to resist corrosion. 1/2" knockout in bottom of can and QuickSet™ bend out mounting tabs for fast installation.
Fan Switch: 3 position fan switch High / Off / Low. Rated at 10 Amps with wire leads and insulated ¼" quick connects.
Aqua Stat: ensures the water temperature is over 115°F before the fan turns ON
Terminal Board: All electrical connections will terminate at a phenolic terminal board with ¼" male brass blades for easy wiring.
Water Connections: 1/2" ID bare Copper tubes de-burred. Tested at 300 PSI for leaks. Clean out tubes for water connection.
Approvals: ETL (3131491PRT-001). All King heaters are tested to UL 1995 Standards. Approved for USA and Canada. CSA/C22.2.