

Medium Hydronic Heater HM/HME Series


Model Code:

HM	8	12	6/9	AS-FS	GW
A	B	C	D	E	F

- A: Series
- B: Number of Copper Tubes in Coil
- C: 12 - 120V
- D: BTU Heat Output
- E: Aqua Stat / Fan Switch
- F: Grill White or Black color



- 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 white grill
- Hi / Off / Lo fan switch
- Aqua Stat included
- 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 812 & 1012 – all versions	120	21¼" h x 14 ¼" w x 4¾" d				23¼" h x 15½" w x ¾" d

MODEL	Water Pressure Drop at 2 GPM	120°F 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
HM812 6/9	.72	4800 Btu	6250 Btu	9500 Btu	13700 Btu	3 watt output	Hi 55 dbA	.30 / .29 Amps
		3300 Btu	4900 Btu	7100 Btu	11000 Btu	250 / 150CFM	Lo 52 dbA	36 / 34.8 Watts
HM812 8/11	.72	6000 Btu	8550 Btu	11200 Btu	14800 Btu	5 watt output	Hi 62 dbA	.42 / .38 Amps
		4800 Btu	7100 Btu	8000 Btu	11000 Btu	375 / 220 CFM	Lo 58 dbA	50.4 / 45.6 Watts
HM1012 10/13	.90	7500 Btu	10000 Btu	13500 Btu	16600 Btu	3 watt output	Hi 55 dbA	.30 / .29 Amps
		5500 Btu	7900 Btu	9750 Btu	12000 Btu	250 / 150CFM	Lo 52 dbA	36 / 34.8 Watts
HM1012-11/15	.90	8812 Btu	11700 Btu	15500 Btu	18700 Btu	5 watt output	Hi 62 dbA	.42 / .38 Amps
		6600 Btu	8800 Btu	11600 Btu	14000 Btu	375 / 220 CFM	Lo 58 dbA	50.4 / 45.6 Watts

Energy saver ECM Motor	Water Pressure Drop at 2 GPM	120°F 48°C	140°F* 60°C	160°F* 71°C	180°F 82°C	Progressive CFM	RUN / START	Energy Saver Hi/Lo: Amps Hi/Lo: Watts
HME 812-8/11	.72	6000 Btu	8550 Btu	11200 Btu	14800 Btu	150 to 375 High	Hi 57 / 54 dbA	.06 / .04 Amps
		4800 Btu	7100 Btu	8000 Btu	11000 Btu	150 to 250 Low	Lo 54 / 51 dbA	7.2 / 4.8 Watts
HME1012-11/15	.90	8812 Btu	11700 Btu	15500 Btu	18700 Btu	150 to 375 High	Hi 63 / 60 dbA	.09 / .06 Amps
		6600 Btu	8800 Btu	11600 Btu	14000 Btu	150 to 250 Low	Lo 54 / 51 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.

Engineering Specifications

Contractor shall supply and install H 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 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.