



# 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
- Use HW series thermostats
- 2-year limited warranty

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

King's HM / MHE 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	21 3/4" h x 14 1/4" w x 4 3/4" d				23 1/4" h x 15 1/2" w x 3 3/4" 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 3300 Btu	6250 Btu 4900 Btu	9500 Btu 7100 Btu	13700 Btu 11000 Btu	3 watt output 250 / 150CFM	Hi 55 dbA Lo 52 dbA	.30 / .29 Amps 36 / 34.8 Watts
HM812 8/11	.72	6000 Btu 4800 Btu	8550 Btu 7100 Btu	11200 Btu 8000 Btu	14800 Btu 11000 Btu	5 watt output 375 / 220 CFM	Hi 62 dbA Lo 58 dbA	.42 / .38 Amps 50.4 / 45.6 Watts
HM1012 10/13	.90	7500 Btu 5500 Btu	10000 Btu 7900 Btu	13500 Btu 9750 Btu	16600 Btu 12000 Btu	3 watt output 250 / 150CFM	Hi 55 dbA Lo 52 dbA	.30 / .29 Amps 36 / 34.8 Watts
HM1012-11/15	.90	8812 Btu 6600 Btu	11700 Btu 8800 Btu	15500 Btu 11600 Btu	18700 Btu 14000 Btu	5 watt output 375 / 220 CFM	Hi 62 dbA Lo 58 dbA	.42 / .38 Amps 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 4800 Btu	8550 Btu 7100 Btu	11200 Btu 8000 Btu	14800 Btu 11000 Btu	150 to 375 High 150 to 250 Low	Hi 57 / 54 dbA Lo 54 / 51 dbA	.06 / .04 Amps 7.2 / 4.8 Watts
HME1012-11/15	.90	8812 Btu 6600 Btu	11700 Btu 8800 Btu	15500 Btu 11600 Btu	18700 Btu 14000 Btu	150 to 375 High 150 to 250 Low	Hi 63 / 60 dbA Lo 54 / 51 dbA	.09 / .06 Amps 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 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 150-375 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" OD Copper tubes with Aluminum fins of no more than 4 fins per inch for free flow of air and maximum circulation of air and water. Tested at 300 PSI for leaks. Bleed valve to purge air. Copper tube used in coils is Alloy 122 made to ASTM B-75 specifications.

**Grill:** 20 gauge mild Steel, louvered with Nickel-plated grille 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 1/4" quick connects.

**Terminal Board:** All electrical connections will terminate at a phenolic terminal board with 1/4" male brass blades for easy wiring.

**Water Connections:** 1/2" 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.