

Small Hydronic Heater H-Series



Model Code:

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

A: H Series Hot Water
B: Number of copper tubes in coil
C: Voltage 12 = 120 Volt
D: 6,000 Btu heat output @ 140°F
8,000 Btu heat output @ 160°F
E: Aqua Stat / Fan Switch
F: Grill 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

The H-Series Small Hydronic Heater - 1,800 to 10,500 BTU

King's H Series small hydronic heater uses the energy from a building's hot water source to offer efficient, whisper quiet operation and the ability to reduce utility bills with individual thermostat room control. By installing hydronic systems 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. Provides 1800 to 10,500 Btu heat output.

Ordering Information

Model Number	Volts	Can Size	Grill Size
H412 – all versions	120	9½" h x 14¾" w x 4¾" d	10½" h x 15¾" w x 7/8" d
H612 – all versions	120	11" h x 14¾" w x 4¾" d	12½" h x 15¾" w x 7/8" d

MODEL	FINS PER INCH	FT. OF WATER PRESSURE DROP @ 2 GPM	Btu@2GPM	120°F 48°C	140°F* 60°C	160°F* 71°C	180°F 82°C	200°F 93°C MAX.	AMPS	RPM	CFM
H412 2/3	4	.36	High Speed	1,800	2,500	3,600	3,500	4,100	.54	2000	80
H412 2/3	4	.36	Low Speed	1,200	1,400	1,700	2,000	2,300	.51	1750	50
H412 3/4	8	.36	High Speed	2,200	3,100	4,000	4,800	6,100	.54	2000	80
H412 3/4	8	.36	Low Speed	1,200	1,800	2,400	3,000	3,800	.51	1750	50
H612 4/5	4	.54	High Speed	3,600	4,700	5,800	7,100	8,500	.48	2550	120
H612 4/5	4	.54	Low Speed	3,200	4,000	5,000	6,100	7,300	.40	1850	105
H612 6/8	8	.54	High Speed	4,100	6,000	7,600	9,100	10,500	.48	2500	120
H612 6/8	8	.54	Low Speed	3,700	5,200	6,500	7,900	9,600	.40	1850	105

*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.

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.