Hydronic Kickspace Heater HT Series

Model Code:

HT	4	12	2/3	AS	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
F: Grille White, Almond or Black color

HYDRONIC

- 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
- 1 Year Warranty

The HT Series Hydronic Kickspace Heater

King's HT Series Kicks-pace 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. Uniquely designed to add heat to areas of the home previously thought not possible. With a compact, space-saving design the HT heater can be inconspicuously installed in the kick-space area at the base of kitchen and bathroom cabinets, under window sills or even in stair risers, providing warmth and comfort to formerly troublesome areas. Provides 1700 to 9950 BTU heat output.

Ordering Information

	MODEL	FINS PER INCH	FT. OF WATER PRESSURE DROP @ 2 GPM	AMPS	RPM	CFM	BTUH@2GPM	120°	140°*	160°*	180°	200° MAX.
	HT412 2/3	8	0.36	0.54	2000	83	High Speed	1,700	2,500	3,400	4,600	5,200
	HT412 2/3	8	0.36	0.51	1800	76	Low Speed	1,600	2,400	3,200	4,000	5,000
120V	HT612 4/5	8	0.54	0.54	2000	83	High Speed	2,800	4,000	5,100	6,900	8,200
	HT612 4/5	8	0.54	0.51	1800	76	Low Speed	2,400	3,250	4,350	6,000	6,500
	HT812 5/7	8	0.72	0.54	2000	83	High Speed	3,675	5,000	6,600	7,500	9,950
	HT812 5/7	8	0.72	0.51	1800	76	Low Speed	3,200	4,300	5,400	7,000	8,400

*Aqua Stat not required when using a King HW series hydronic thermostat with fan start-up delay. In-built Aqua Stat (AS) is available, consult factory for price and availability.
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.
Grille colors available in White (-GW) or Black (-GB) or Almond (-GA). Add suffix to end of model number.

	MODEL	CONTROLS AQUA STAT	CONTROLS FAN SWITCH	GRILLES WHITE	GRILLES ALMOND	GRILLES BLACK	WATER TEMPERATURE 140°F/60°C	WATER TEMPERATURE 160°F/72°C	VOLTS	AMPS
	HT412 2/3	AS	FS	GW	GA	GB	2500	3400	120	0.36
120V	HT612 4/5	AS	FS	GW	GA	GB	4000	5100	120	0.36
	HT812 5/7	AS	FS	GW	GA	GB	5000	6600	120	0.54

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 83 CFM or 76 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" trade size 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 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.

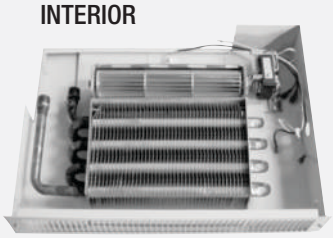
Water Connections: 5/8" bare Copper tubes de-burred. Tested at 300 PSI for leaks. Clean out tubes for water connection.

Approvals: cETLus. . All King heaters are tested to UL 1995 Standards. Approved for USA and Canada. CSA/C22.2.

Hydronic Kickspace Heater HT Series

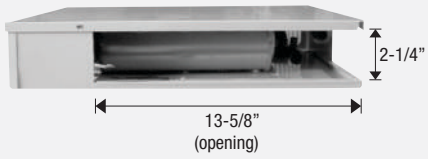
Dimensional Data

INTERIOR



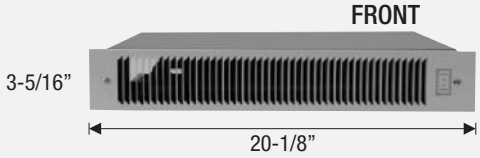
(Top open)

BACK SIDE

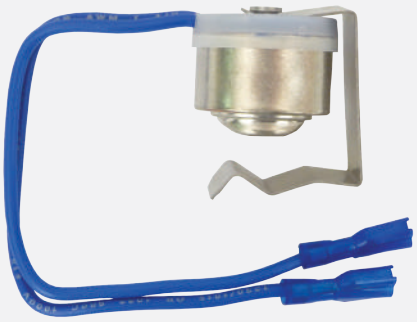


RIGHT SIDE

FRONT



Aquastat

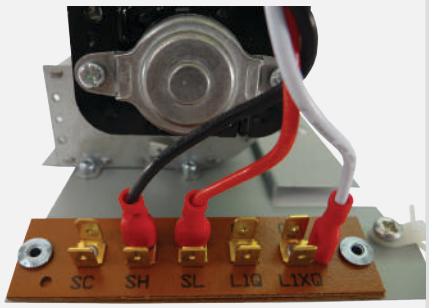


*The optional **aqua stat** component makes sure the water temperature is over 115º before the fan is turned on.*

3-Position Switch

All models include a pre-wired, clear, easy-to-read terminal board with wiring diagram.

Terminal Board



The optional fan speed switch allows fan speeds of high, low and a center “off” position.