



# COOL AIR™ HEAT

## HYDRONIC HEATER

980,000 BTU



This hydronic heater packs lots of heating punch. The capacity is a good size to manage mid range heating projects. Need more capacity? Add additional units for redundancy or increased capacity. These units can be utilized individually as a stand-alone unit for a boiler tie-in or paired with fan coils to heat the air in your space. This boiler can run off propane cylinders or a natural gas feed.

### Features:

- For use either with portable fan coils or directly connected to a building's glycol/water loop
- Positioning is simple – roll, forklift, or hoist into place
- Requires a 208 volt, 50 amp circuit for power

### Applications:

- HVAC Retrofits and System Upgrades
- Temporary Structures
- Boiler Re-Fits



This structure hosts a Christmas Craft fair every December. It is normally under-heated and therefore not warm enough to keep vendors and their customers comfortable in cold weather. This hydronic heater was installed to distribute hot water to fan coils located inside the structure.



The versatility of this hydronic heater allows it to be placed outdoors adjacent to structures to deliver hot water into the space. We can tie into the existing piping or provide fan coils to distribute the warm air in the space.



This construction project required temporary heat through the winter months. Our hydronic heater delivered a constant flow of hot water to these fan coils located inside the areas under renovation. This warm environment greatly reduced the wait time between drywall mudding and painting recoats.

**HEAT...IN A HURRY**

# HYDRONIC HEATER - GAS FIRED 980K BTU (HGB980H21)

## HEATING

Controls	All pressures & temps
Capacity	980,000 btu/hr
Stages	2
Ambient Operating Range °F	120 °F to 200 °F
Ambient Operating Range °C	49 °C to 93 °C

## ELECTRICAL

Voltage	4 wire - 208/230 V w/ neutral
Phase	Single
Breaker Size	50 amps
Plug Inlet	CS6375M2

## OPERATIONAL - NATURAL GAS FIRED

Input capacity	980,000 btu
Output capacity	784,000 btu
Gas pressure range	8" to 13" wc
Manifold gas pressure	3.5" wc
Consumption (max)	980 ft <sup>3</sup> /hr   27.75 m <sup>3</sup> /hr

## OPERATIONAL - PROPANE FIRED

Input capacity	980,000 btu
Output capacity	784,000 btu
Gas pressure range	8" to 13" wc
Manifold gas pressure	3.2" wc
Consumption (max)	10.92 gal/hr   41.35 l/hr

## OPERATIONAL - GENERAL

Primary Lines - Supply	3 x 1" Quick Connect
Primary Lines - Return	3 x 1" Quick Connect
Heat Transfer Fluid	110 gal   416 l
Camlock Hose	2" from manifold
Circ. pump @ 35 - 45 PSI	1.5 HP
Circ. pump - Using 1	35 g/min   133 l/min
Circ. pump - Using 2	70 g/min   265 l/min

## PHYSICAL

Model	HGB980H21	
Flue Vent	12" dia x 18"	
Dimensions - Width Frame	48"	122cm
Dimensions - Depth Frame	96"	244cm
Dimensions - Height Frame	70"	178cm
Dim. w/ Flue & Cap- Height	96"	244cm
Weight	2941 lbs	1334 kg
Forklift Pockets	4" x 8" (24" spread)	
Lift Design	Engineered 1" EI/ES	
Crane	Shop drawing available upon request	



### ROLL IN

Heavy duty casters and good mobility make locating these units a breeze. Wheel assemblies are removable for forklift or crane placement.



### PLUG IN

3 x 1" Quick Connect hoses carry water, or a glycol/water mix, to your building's dedicated loop, or to our portable fan coils.



### TURN ON

Hookup to propane or a natural gas source is simple, allowing this unit to run continuously.

We also rent industrial and portable air conditioning units, fans, and industrial strength heating units. Visit [www.cool-air.com](http://www.cool-air.com) for our full line of rental equipment.

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