



# COOL AIR™ HEAT

## HYDRONIC HEATER

1.2 MILLION BTU



Whether you need to temporarily replace an existing boiler or you have a complex heating application that requires a high degree of customization, this unit is the one for the job. This hydronic heater requires a fuel source from either a large propane cylinder or direct natural gas hook-up.

### Features:

- For use either with portable fan coils or directly into a building's glycol/water loop using our heat exchangers
- Positioning is simple – roll, forklift or hoist into place
- Requires 208-volt w/ neutral, single-phase power

### Applications:

- HVAC Retrofits and System Upgrades
- Temporary Structures
- Industrial Plants
- Concrete Curing



This ten storey concrete tower lost its heating when a flood wiped out its boiler. Quick response by Cool Air meant this replacement hydronic heater was installed and operational in a little over one day.



Normally, heating this craft fair in a large cavernous space would have been quite problematic. We used six strategically-placed fan coils to move warm air to where it was most needed, keeping vendors and visitors comfortable.



This large scale mall expansion and renovation project required a 4 year commitment to provide a heating and cooling equipment plant. Five 1.2M BTU Hydronic Heaters ensured that the remaining facilities that housed clinics, offices, residential tenants and commercial space had the heat and hot water they required to operate without interruption.

**HEAT...IN A HURRY**

# HYDRONIC HEATER - GAS FIRED 1.2M BTU (HGB1200H21)

## HEATING

Controls	All pressures & temps
Capacity	1.2M 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	30 amps/ FLA 15
Plug	L14-30 HBL 9431P

## OPERATIONAL - NATURAL GAS FIRED

Input capacity	1,233,000 BTU
Output capacity	1,023,390 BTU
Gas pressure range	6" to 14" wc
Manifold gas pressure	3.5" to 4" wc
Consumption (max)	1233 ft <sup>3</sup> /hr   34.9 m <sup>3</sup> /hr

## OPERATIONAL - PROPANE FIRED

Input capacity	1,139,360 BTU
Output capacity	941,544 BTU
Gas pressure	11" wc
Manifold gas pressure	10" to 11" wc
Consumption (max)	14.3 g/hr   54.1 l/hr

## OPERATIONAL - GENERAL

Primary Lines	2"
Ball Valves	2"
Camlock Hose	2"
Circulation pump @ 30 PSI	2 HP
Circulation pump @ 30 PSI	80 g/min
Circulation pump @ 30 PSI	364 l/min
Gas line fitting	1" male JIC

## PHYSICAL

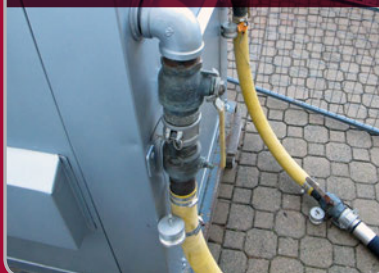
Model	HGB1200H21	
Flue Vent	16" dia x 48"	
Dimensions - Width Frame	48"	122 cm
Dimensions - Depth Frame	119"	302 cm
Dimensions - Height Frame	86"	219 cm
Dimensions w/casters - Width	50"	127 cm
Dimensions w/casters - Depth	121"	308 cm
Dimensions w/casters - Height	96"	244 cm
Dim. w/flue & cap - Height	136"	346 cm
Weight	2365 lbs	1072 kg
Forklift Pockets	4"x8" (31" 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



2" Camlock hose fittings can carry water or a glycol/water mix to your building's dedicated loop or to our portable fan coils or hydronic heat exchangers.

### TURN ON



Toggle switches and indicator lights step you through the start up and operational phases of this hydronic heater to ensure uninterrupted service.

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

## Vancouver

1407 East Georgia St.  
Vancouver BC  
604.253.4171

## Edmonton

3816 56 Ave. NW  
Edmonton AB  
780.729.1685

## Calgary

Depot: 4216 61 Ave. SE  
Calgary AB  
1.855.253.4171

## Online

[www.cool-air.com](http://www.cool-air.com)  
[info@cool-air.com](mailto:info@cool-air.com)

