

1.8 MBTU

Hydronic heater

The Aggreko 1.8 Million BTU hydronic heater provides powerful, safe heating for industrial and commercial applications. Able to run on natural gas, propane, or diesel, it delivers precise temperature control with leading levels of efficiency. Ideal for process heating, heat load testing, concrete curing, ground thawing, large-area heating, and boiler bypass, it ensures rapid, scalable heat. Built for reliability in demanding environments, this versatile unit keeps projects on schedule and operations running smoothly.

FEATURES

Can be configured in either diesel, propane and natural gas based on customer needs.

Quickly deployable, scalable, and modular for multiple applications and demanding solutions.

Fluid circulation system is low pressure and atmospherically vented. There is no chance of an explosion or line burst due to pressure build-up. No special boiler certification required.

Maximum outlet temperature is 180°F.

Safer than direct fired units as combustion byproduct is kept out of the work space.

Dual burner setup allows the unit to continue operating in the event one burner fails.

BENEFITS

Even distribution points inside the heated space.

Lowers total operating costs compared to electric heat.

Provides flexibility with trifuel capability: diesel, propane, natural gas.

Provides clean dry heat to allow different trades to be productive (dry-walling / taping / mudding / painting).

Can be used instead of a boiler, reducing re-rents.

Scalable and modular design allows for a custom approach to achieve customer goals.

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Key data	
Type	1800CHU heating power tri-fuel capable
Heat exchanger	Water jacket / fire tube type
Fluid temperature	130°F - 180°F (54°C - 82°C)
Burners	Two stage
Control & monitoring	Pump & temperature controls. Full gauge panel showing circulation fluid temperatures and pressures. 7-light system operation feature for easy troubleshooting.
AMPS	Single phase, 230 V, 60 Hz, 30 Amps
Basic features	Atmospherically vented, low pressure. Single supply & return. Adjustable fluid temperature control. Auto-pressure by-pass for pump.

Physical data	
Length	48 in
Width	88 in
Height	96.3/4 in
Weight	3,840 lbs (1,746 kg)
Loading	Forklift pockets

Diesel	
Input capacity	1,792,000 BTU/h (520 kW/h)
Output capacity	1,523,200 BTU/h (442 kW/h)
Fuel consumption (max)	12.8 US GPh (48.4 LPh)

Propane	
Input capacity	1,715,000 BTU/h (502 kW/h)
Output capacity	1,372,000 BTU/h (402 kW/h)
Fuel consumption (max)	18.7 US Gal/h (70.6 L/h)

Natural gas	
Input capacity	1,690,000 BTU/h (495 kW/h)
Output capacity	1,352,000 BTU/h (396 kW/h)
Fuel consumption (max)	1,577 ft ³ /h (44.6 m ³ /h)

Electrical	
Circulation pump	3HP (2.24kW) 3500 RPM / 110 US Gal/M (416 L/M)
Operating pressure	30 PSI
Primary circulation	Fluid circulation lines - 2"(50mm)
Heat transfer fluid	Ball valves - 2"Kamlock quick couplers - 2" (50mm) Non-toxic propylene glycol / water mixture. Freeze protected.
Lock out	Locks out control panel access
Certification	CSA/UL certified by TUV