



## PROHEAT 5000 HEATER SYSTEM FOR HEAVY EQUIPMENT



**Standard J1939 CAN bus**

### ULTRA-POWERFUL COOLANT HEATER FOR DEMANDING ENVIRONMENTS

With up to 125,000 BTU of heat output, the Proheat 5000 series system is an ultra-powerful, cold weather heating solution for heavy equipment. This diesel-powered heater preheats the engine to ensure quick and reliable starts while reducing engine wear. Proheat 5000 heaters are also powerful enough to supply supplemental heat

for hydraulics and cab heat with or without the main engine running. The heater is designed to be accessible and easily serviced to minimize down time. CAN bus connectivity means the heater can be seamlessly installed on equipment or vehicles that rely on the J1939 network standard. Trusted in the industry for years, Proheat 5000 heater systems are installed on vehicles and equipment used throughout the world.

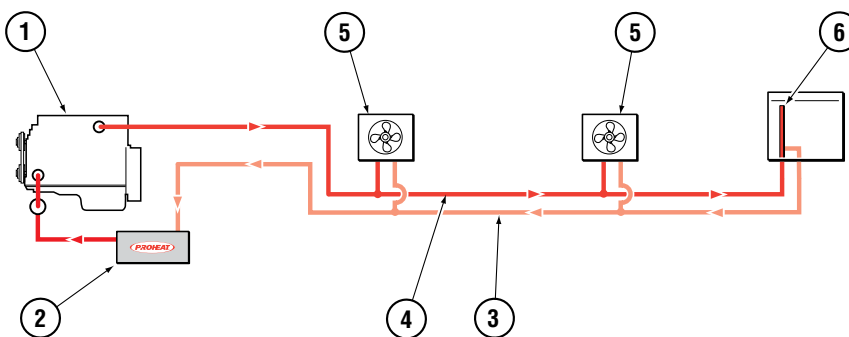
### AT A GLANCE

#### 5000 SERIES HEATER SYSTEM

- Diesel-powered coolant heater
- Models from 50,000 to 125,000 BTU/hr (15 to 37 kW)
- Heavy gauge steel enclosure with or without long life coolant pump
- Generates supplemental heat for hydraulics and operators
- Optional control of an external coolant pump
- Two year parts and labor warranty

#### STANDARD FEATURES

- Standard J1939 CAN bus
- USB connectivity
- Integrated diagnostic indicator
- Dual mode temperature sensor
- Up or Down Exhaust available

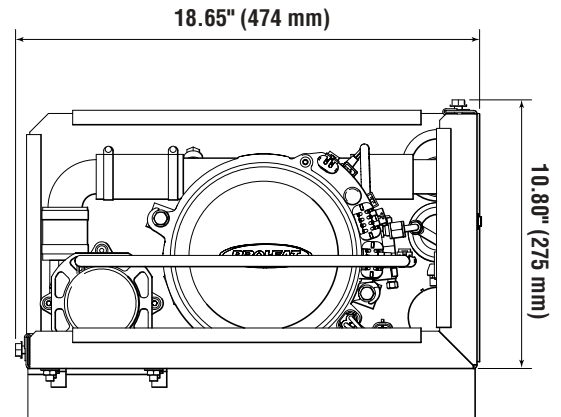
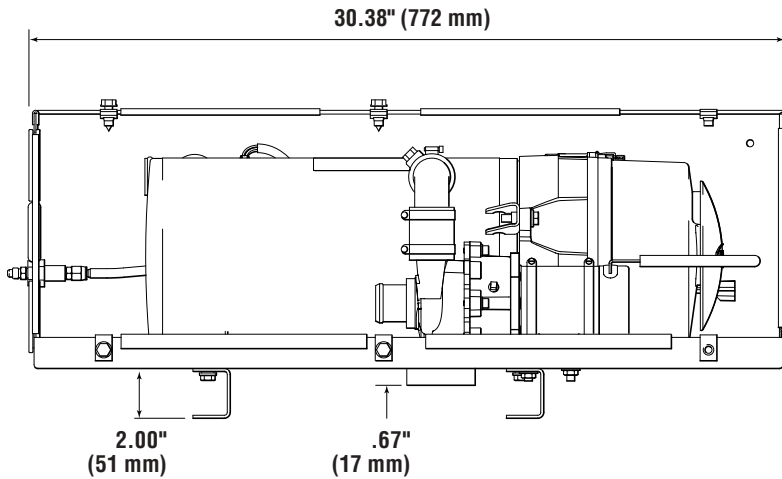


- 1 Engine
- 2 Proheat 5000
- 3 Return to Proheat
- 4 Supply from Proheat/Engine
- 5 Heater core with fan
- 6 Heat Probe in Fluid Reservoir





**SPECIFICATIONS**



MODEL	M50	M80	M90	M105	M125
RATING – BTU/hr (kW)	50,000 (15)	80,000 (23)	90,000 (26)	105,000 (31)	125,000 (37)
SYSTEM VOLTAGE	24V	24V	24V	24V	24V
CURRENT DRAW – Amps	5.2	5.2	5.2	9.5	9.5
FUEL CONSUMPTION US gal/hr (L/hr)	0.48 (1.80)	0.78 (2.95)	0.78 (2.95)	1.05 (3.97)	1.10 (4.16)
IGNITION TYPE	Electronic Spark Ignition				
FUEL TYPES	Diesel (ULSD, #1, #2, Artic) JP8, Jet A1, Biodiesel B1-B20*				
COOLANT OUTPUT TEMP.	+150°F to +185°F (+65°C to +85°C) <i>Optional set points available</i>				
AMBIENT TEMPERATURE	Operating -40°F to +122°F (-40°C to +50°C) Non Operating -58°F to +185°F (-50°C to +85°C)				
WEIGHT – lbs (Kg)	53 (24)	53 (24)	57.5 (26.1)	57.5 (26.1)	60 (27.2)
HEAT EXCHANGER CAPACITY U S gal (L)	0.5 (2)	0.5 (2)	0.6 (2.3)	0.6 (2.3)	0.7 (2.6)
COOLANT SYSTEM:					
Minimum Capacity – US gal (L)	3 (11.4)	6 (22.7)	6 (22.7)	8 (30.3)	9 (31.4)
Recommended Minimum Flow Rate Through Heater US gpm (lpm)	7.5 (28)	12 (45)	13.2 (50)	15.8 (60)	18 (68)
Maximum Coolant Pressure PSI (BAR)	29 (2)	29 (2)	29 (2)	29 (2)	29 (2)

*Proheat 5000 heater in heavy guage steel enclosure.*

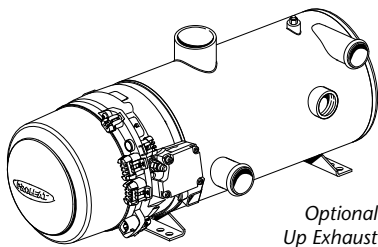


*A removable burner head provides easy access for technicians and minimizes service down time.*



Please Note: *Optional set points available. Specifications are subject to change without notice.*

\* *Limited service life above B20, increased inspection frequency required.*



*Optional Up Exhaust*



*Proheat is registered trademark of Marine Canada Acquisition Inc. and its subsidiary companies.*

