

CLIMATE

# PROHEAT — TRANSIT VARIABLE M-SERIES

With up to 105,000 BTU of output, the Proheat Variable M-Series is an ultra-powerful, cold weather auxiliary heating solution for buses and coaches. This diesel-powered heater preheats the engine to ensure quick and reliable starts while reducing engine wear. Proheat Variable M-Series heaters are also powerful enough to supply supplemental interior heat for passenger and driver comfort while the main engine is running. Designed to be accessible and easily serviced minimizing down time. CANbus connectivity means the heater can be seamlessly installed on vehicles that utilize the SAE J1939 network standard.

Trusted in the transit industry for years, Proheat M-Series heaters are installed on buses and coaches across North America.

**DIESEL-FIRED COOLANT HEATER**

MODELS FROM 50,000 TO  
105,000 BTU/HR (15 TO 37 KW)

OPTIONAL HEAVY GAUGE STEEL  
ENCLOSURE WITH LONG LIFE  
COOLANT PUMP

GENERATES SUPPLEMENTAL  
HEAT FOR DRIVERS AND  
PASSENGERS

OPTIONAL CONTROL OF AN  
EXTERNAL COOLANT PUMP

TWO YEAR PARTS AND  
LABOR WARRANTY

VARIABLE HEAT OUTPUT ADJUSTS  
TO THE SYSTEM'S DEMAND

INTEGRATED OXYGEN SENSOR  
ENSURES OPTIMAL AIR/FUEL RATIO  
FOR SMOKE-FREE PERFORMANCE

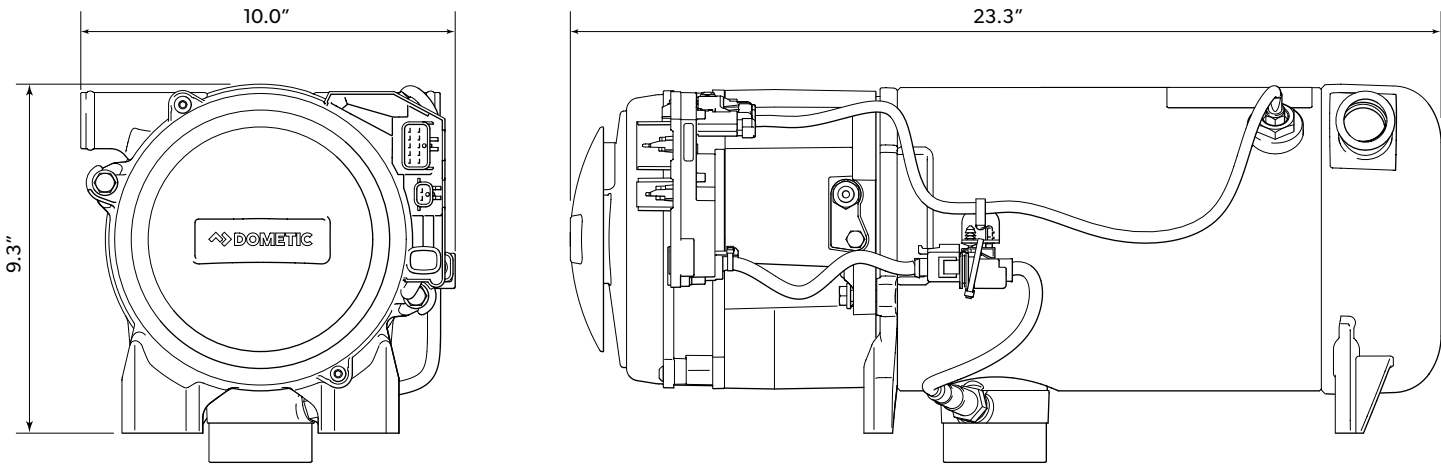
HIGH ALTITUDE MODEL AVAILABLE



Mobile living made easy.

 **DOMETIC** **PROFESSIONAL**

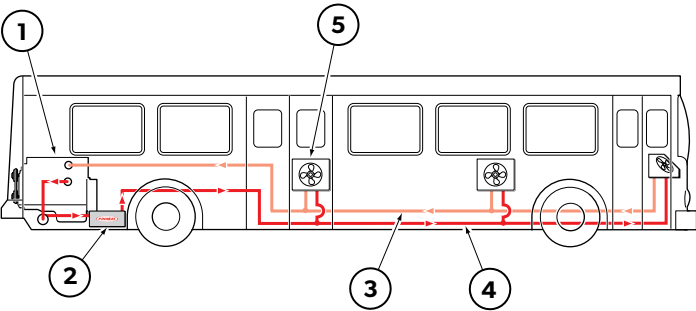
DIMENSIONS



SPECIFICATIONS

PROHEAT VARIABLE M-SERIES	
Rating	40,000 – 105,000 BTU/hr. (11.7 – 30 kW)
System voltage	12 or 24 VDC
Current draw	5.2 amps MAX at 24 VDC 10.4 amps MAX at 12 VDC
Fuel consumption	0.4 – 1.0 US gal./hr. (1.47 – 3.80 L/hr.)
Ignition type	Electronic spark ignition
Fuel types	Diesel (ULSD #1, #2 and Arctic blend), JP8, Jet A-1, Biodiesel B1 – B20, R99
Coolant output temperature	+150°F to +185°F (+65°C to +85°C) <i>Optional set points available</i>

Operating ambient temp.	-40°F to +122°F (-40°C to +50°C)
Non operating ambient temp.	-58°F to +185°F (-50°C to +85°C)
Weight	37 lbs (17 Kg)
Heat exchanger capacity	0.5 US gal. (2 L)
Coolant system:	
Minimum capacity	6 US gal. (22.7 L)
Recommended minimum flow rate through heater	12 US gpm (45 Lpm)
Maximum coolant pressure	29 psi (2 Bar)



- 1 Engine
- 2 Proheat heater
- 3 Return to engine
- 4 Supply from heater
- 5 Heater core with fan

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



Please Note: Specifications are subject to change without notice.

proheat.com

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