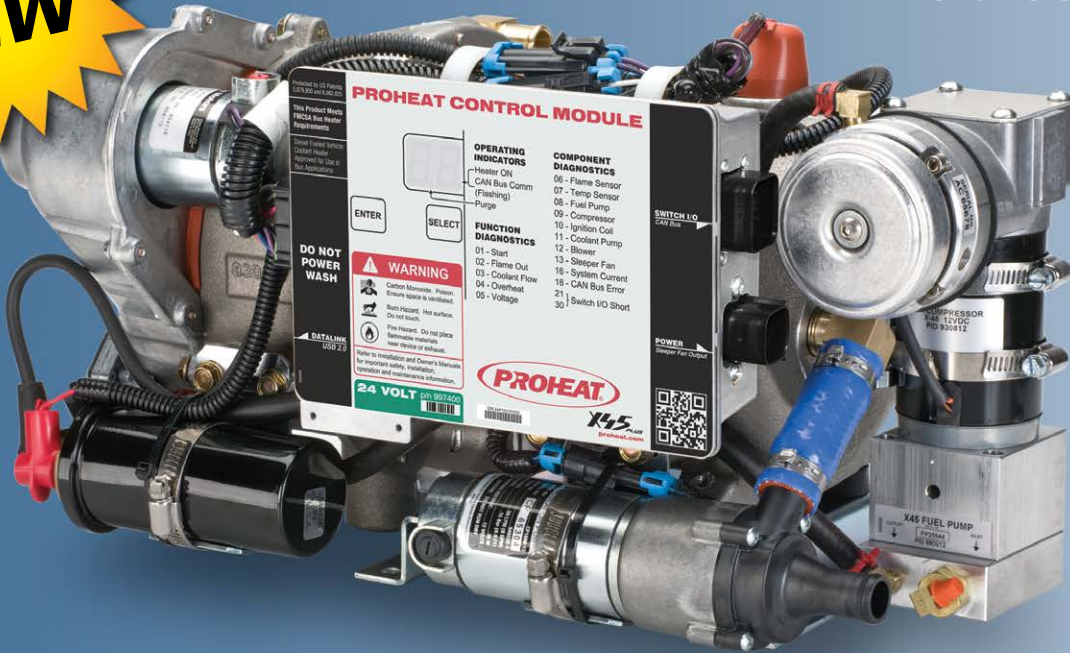


**NEW**

**THE COOLANT HEATER OF CHOICE FOR COACHES**



**POWERFUL AND RUGGED AUXILIARY COOLANT HEATER FOR COACHES**

Proheat X45 Plus is a powerful, diesel-powered pre-heating solution for quick and reliable cold weather starting of coaches. This versatile heater becomes part of the coach heating system, supplying added heat for the driver and passengers while reducing fuel costs and emissions from unnecessary idling. Proheat X45 Plus also makes starting easier while reducing start-up engine wear and cold weather troubles.

An integrated pump circulates heated coolant to warm the engine block. Proheat X45 Plus features an onboard control panel that displays heater status, while an optional digital timer can mount next to the driver seat to provide convenient timer-based starting of the heater. With more than 20 years in the field, its rugged and field serviceable design has proven reliable in even the most extreme temperatures.

**AT A GLANCE**

**COOLANT HEATER FEATURES**

- 45,000 BTU (13 kW)
- Electronic control panel displays heater status
- Integrated coolant pump
- Mountable in engine bay
- Meets FMCSA bus heater requirements
- Two year parts and labor warranty

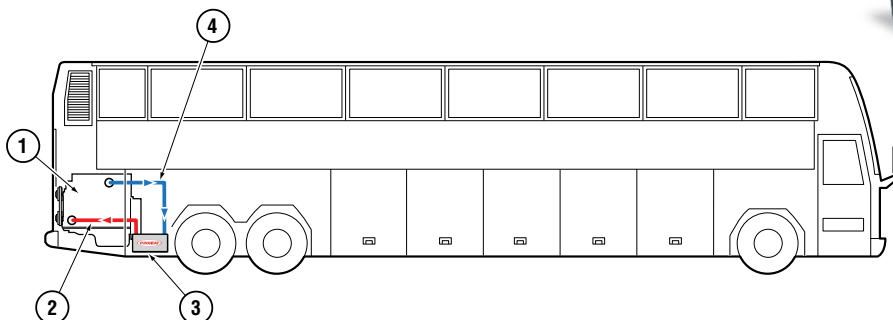
**NEW FEATURES**

- Next generation PCM controller
- J1939 CAN bus
- New operating modes to save battery power and fuel
- USB2.0 Datalink connection
- Field programmable controller



*Optional Timer*

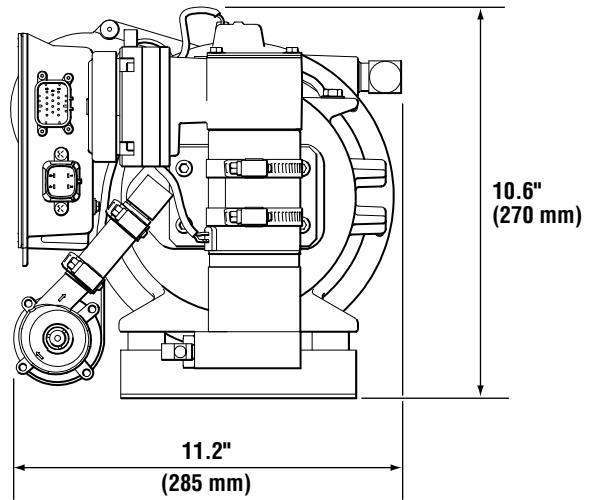
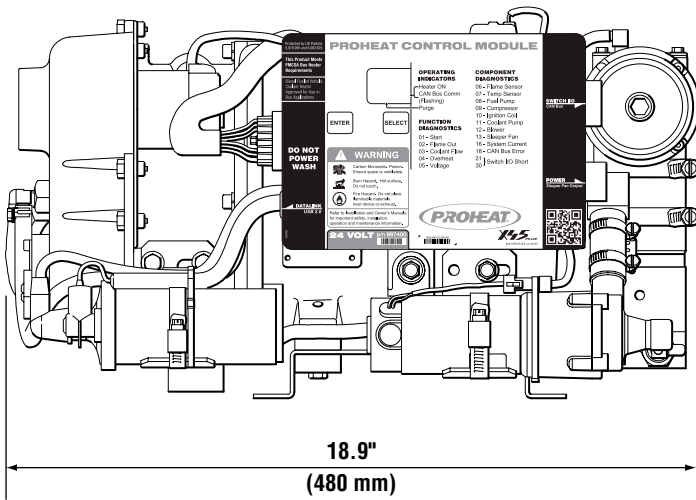
- 1 Engine
- 2 Supply to Engine
- 3 Proheat X45 Plus
- 4 Return to Proheat





X45 PLUS

**SPECIFICATIONS**



MODEL	X45 PLUS-12	X45 PLUS-24
RATING	45,000 BTU (13 KW)	
OPERATING VOLTAGE RANGE	10.0 – 15 VDC	20 –30 VDC
CURRENT DRAW	7.5 Amps	3.75 Amps
FUEL CONSUMPTION (Average to Maximum)	0.1 – 0.45 gal/hr. (0.4 – 1.7 L/hr.)	
COOLANT FLOW	8.0 gal/min. (30 L/min.)	
COOLANT TEMPERATURE (at heater)	150 to 185 °F (65 to 85 °C)	
OPERATING TEMPERATURE RANGE	- 40 to 122 °F (- 40 to 50 °C)	
FUEL TYPES	Diesel (ULSD #1, #2 and Arctic Blend), Kerosene (K-1), Jet (A, A-1 and JP8), Bio fuels (up to B20)	
IGNITION TYPE	Electronic spark ignition	
HEAT EXCHANGER CAPACITY	1 quart (.95 litre)	
WEIGHT heater only with enclosure	40 lb (18 kg) 55 lb (25 kg)	
DIMENSIONS – HEATER (L x W x H)	18.9 x 11.2 x 10.6 inches (480 x 285 x 270 mm)	
DIMENSIONS – ENCLOSURE (L x W x H)	20.2 x 12.3 x 10.6 inches (513 x 313 x 270 mm)	
WARRANTY	Two years parts and labor	
REGULATORY COMPLIANCE	Meets FMCSA bus heater requirements when installed in accordance with §393.77: heaters	

**PROHEAT X45 PLUS COACH KITS**

BASIC HEATER WITHOUT ALUMINUM ENCLOSURE BOX	PART NUMBER	
BASIC HEATER Electronic controller, coolant pump, mounting base	12V: PH0405P	24V: PH0406P

STANDARD HEATER KIT	PART NUMBER	
FULL KIT Includes: Items 1, 2 and 3.	12V: PH0405PC	24V: PH0406PC
1. BASIC HEATER ONLY Electronic controller, coolant pump, mounting base	12V: PH0405P	24V: PH0406P
2. INSTALLATION KIT ONLY Power wire harness, fuel pick-up and hose, control wire harness, exhaust system, nuts, bolts and washers for mounting	12/24V: PK0312	
3. ALUMINUM ENCLOSURE BOX ONLY (smooth finish)	PK0202	

<b>X45 PLUS PCM UPGRADE KIT</b>	Contact Proheat Product Support
---------------------------------	---------------------------------

OPTIONAL COMPONENTS	PART NUMBER
AIR INLET HOSE Improves clean air intake quality	PK0320
7 DAY DIGITAL TIMER	PK0001-1

Please Note: Specifications are subject to change without notice.

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



Designed and Manufactured in North America



Air Inlet Hose



Enclosure (smooth finish)



Electronic Controller



www.proheat.com