

NEW

THE COOLANT HEATER OF CHOICE FOR SCHOOL BUSES



POWERFUL AND RUGGED AUXILIARY COOLANT HEATER DESIGNED FOR SCHOOL BUSES

Proheat X30 is a powerful, diesel-powered school bus pre-heating solution for quick and reliable cold weather starting. The heater becomes part of the school bus heating system, supplying added heat for passengers while reducing fuel costs and emissions from unnecessary engine idling. An integrated pump circulates heated coolant to warm the engine block, making starting easier while

reducing start-up engine wear. Proheat X30 features an onboard control panel that displays heater status, while an optional digital controller for inside the bus adds convenient timer-based starting of the heater. The heater also complies with National Highway Traffic Administration standards to ensure maximum safety for bus passengers. With more than 20 years in the field, its rugged and field serviceable design has proven reliable in even the most extreme temperatures.

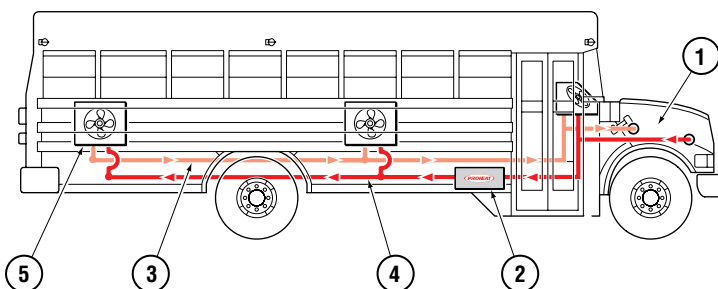
AT A GLANCE

COOLANT HEATER FEATURES

- 15–31 kBTU/hr variable heat output
- O₂ feedback for optimum combustion with minimal emissions
- Optional integrated impact switch
- Meets FMCSA bus heater requirements
- Three years parts and labor warranty

NEW FEATURES

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



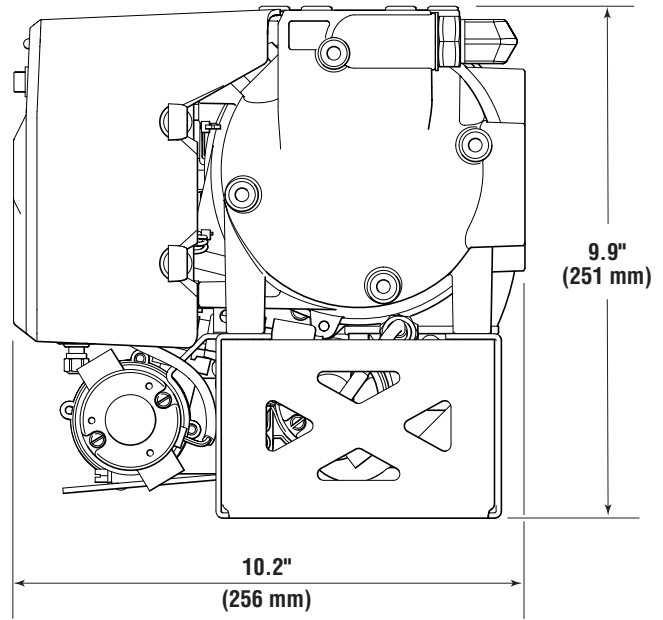
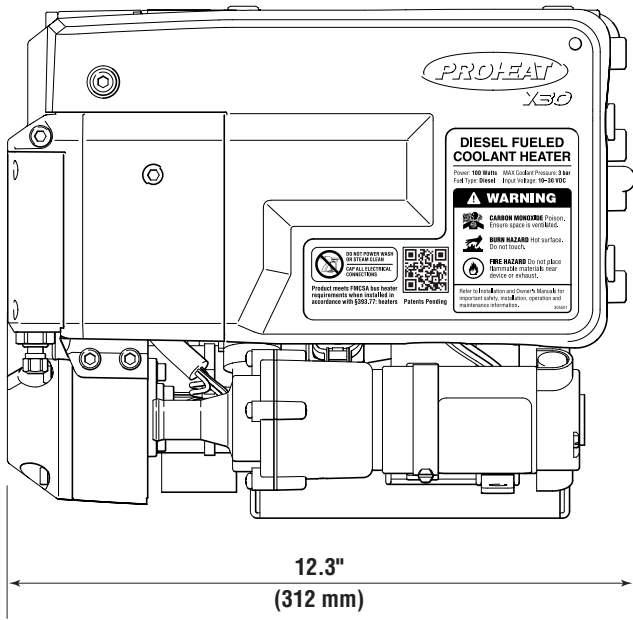
Proheat Function Controller (PFC)

- 1 Engine
- 2 Proheat X30 Heater
- 3 Return to Engine
- 4 Supply from Proheat X30
- 5 Fan



X30

SPECIFICATIONS



MODEL	X30
RATING	15,000 – 31,000 BTU/hr (4.4 – 9.1 KW)
OPERATING VOLTAGE RANGE	10 – 30 VDC
POWER CONSUMPTION	90W max. (7.5A @ 12VDC, 3.8A @24VDC)
FUEL CONSUMPTION	0.1 – 0.31 gal./hr. (0.4 – 1.17 L/hr.)
COOLANT FLOW	3.0 – 8.0 gal./min. (11.4 – 30 L/min.)
COOLANT TEMPERATURE (at heater)*	150 to 185 °F (65 to 85 °C)
OPERATING TEMPERATURE RANGE	-40 to 185°F (-40 to 85°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	0.36 quart (0.34 litre)
WEIGHT	heater only with enclosure
	36 lb (16.3 kg) 44 lbs (20 kg)
DIMENSIONS – HEATER (L x W x H)	12.3 x 10.2 x 9.9 inches (312 x 256 x 251 mm)
DIMENSIONS – ENCLOSURE (L x W x H)	13.25 x 11.25 x 11 inches (337 x 286 x 279 mm)
WARRANTY	Three years parts and labor
REGULATORY COMPLIANCE	Meets FMCSA bus heater requirements when installed in accordance with §393.77: heaters

PROHEAT X30 SCHOOL BUS KITS	PART NUMBER
SCHOOL BUS HEATER KIT X30 heater with impact switch. Includes PK3018 installation kit.	PH0385
SCHOOL BUS HEATER ENCLOSURE KIT X30 heater in an enclosure with impact switch. Includes PK3018 installation kit.	PH0380
INSTALLATION KIT Power wire harness, fuel pick-up and hose, control wire harness, exhaust system, nuts, bolts, washers for mounting.	PK3018

RECOMMENDED COMPONENTS	PART NUMBER
PFC 7 DAY TIMER CONTROLLER	PK3000
UNIVERSAL MOUNT KIT	PK3016

Please Note: Specifications are subject to change without notice.

Heater in enclosure



An impact switch automatically shuts the heater off in the event of a vehicle roll-over.



* Optional set points available.

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



Designed and Manufactured in North America



Installation Kit
PK3018

