

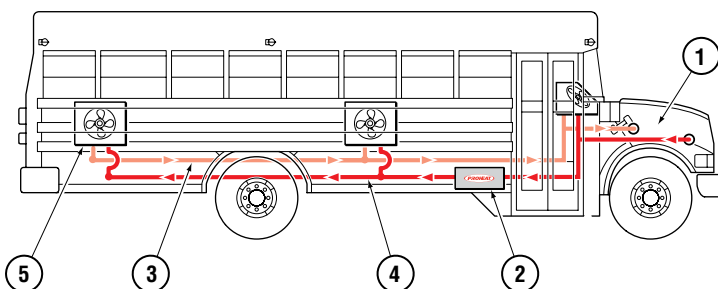
THE COOLANT HEATER OF CHOICE FOR SCHOOL BUSES



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.



Proheat Function Controller (PFC)

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

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

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

X30 KITS

PROHEAT X30 SCHOOL BUS KITS	PART NUMBER
SCHOOL BUS HEATER ENCLOSURE KIT X30 heater in an enclosure with impact switch. Includes PK3018 installation kit.	PH0380
SCHOOL BUS HEATER ENCLOSURE KIT X30 heater in an enclosure. Includes PK3018 installation kit.	PH0381
SCHOOL BUS HEATER ENCLOSURE KIT X30 heater in an enclosure with impact switch. Includes PK3050 installation kit.	PH0383
SCHOOL BUS HEATER BOX KIT X30 heater. Includes PK3018 installation kit, exhaust elbow kit and mounting plate.	PH0385
STANDARD INSTALLATION KIT Power wire harness, fuel pick-up and hose, control wire harness, exhaust system, and mounting hardware.	PK3018
EXTENDED INSTALLATION KIT Extended power wire harness, fuel pick-up and hose, extended control wire harness, exhaust system inc. elbow kit, mounting hardware, and coolant 'U' bend kit.	PK3050

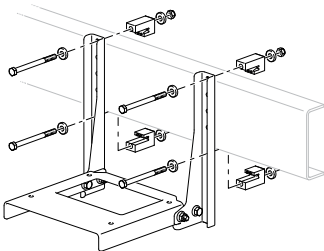
RECOMMENDED COMPONENTS	PART NUMBER
PFC 7 DAY TIMER CONTROLLER	PK3000
UNIVERSAL MOUNT KIT	PK3016
EXHAUST ELBOW KIT	149861K
THROUGH FLOOR COOLANT ELBOW KIT	149851K
IMPACT SWITCH KIT	PK3025

X30 ACCESSORIES

Standard Installation Kit PK3018



Side Frame–No-Drill Mounting Kit PK3016



Impact Switch Kit PK3025
Automatically shuts the heater off in the event of a vehicle roll-over.

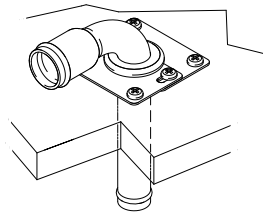


Please Note: Specifications are subject to change without notice.
* Optional set points available.



Proheat Function Controller (PFC) PK3000

Through Floor Coolant Elbow Kit 149851K



Heater Enclosure Kit



Designed and Manufactured in North America



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