

## Powerful & Rugged Auxiliary Coolant Heater for Easy Cold Weather Starts

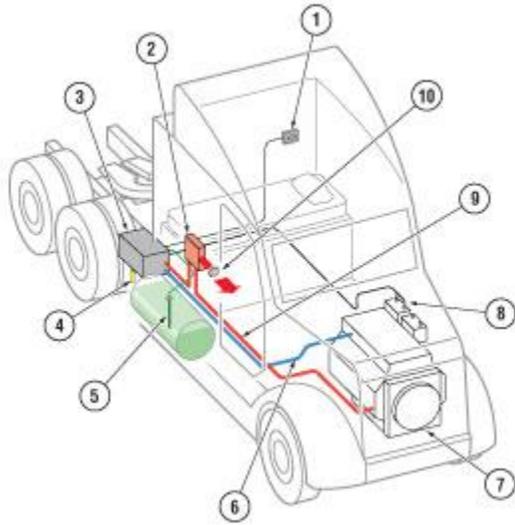
Proheat X45 is a powerful, diesel-powered engine pre-heating solution for quick and reliable cold weather starting. An integrated pump circulates heated coolant to warm the engine block, making starting easier and reducing start-up engine wear. Proheat X45 features an onboard control panel that displays heater status, while an optional digital timer for the cab adds convenient timer-based starting of the heater. Proheat X45 can also direct heat to the truck cab for driver comfort while reducing fuel costs and emissions from unnecessary engine idling. With more than 15 years in the field, its rugged and field serviceable design has proven reliable in even the most extreme temperatures.



## Dual-Purpose Auxiliary Heater

Proheat X45 is powerful enough to supply heat for both engine and driver needs. Engine pre-heating helps eliminate problems with cold-weather starts, allowing drivers to depart faster. With the addition of an optional heat exchanger, Proheat X45 can heat the sleeper cab for added driver comfort. And its low amperage design

is a small draw on the starting battery, ensuring it is not excessively drawn down when the heater is used.



- 1 Timer (Optional)
- 2 Heat Exchanger (Optional)
- 3 X45 Heater
- 4 Exhaust
- 5 Fuel Pick-Up
- 6 Coolant Return
- 7 Heated Engine
- 8 Electrical Connection
- 9 Warmed Coolant
- 10 Heated Cab Air

## Cut Operating Costs

By installing Proheat X45, fleets and operators can save thousands of dollars each year by eliminating the need to idle the truck's engine to prevent engine freezing and to provide heat for driver comfort. Engine idling puts unnecessary hours on the engine, increasing engine wear and overall vehicle emissions. Proheat X45 uses substantially less fuel than an idling truck engine while still keeping both the engine and driver warm.

How many hours do your trucks idle for cab comfort and engine pre-heating in a typical year? Since Proheat X45 burns 90% less fuel than a truck engine, trucks that idle unnecessarily for hundreds of hours will typically pay for a Proheat X45 in about a year. Compare your truck heating needs to the sample fuel and cost savings calculations in Table below.

1	Fuel Used per Hour Idling Truck Engine	1.0 gallons	3.8 litres
2	Fuel Used per Hour by Proheat X45	0.1 gallons	0.4 litres
3	Fuel Savings per Hour Using Proheat X45	0.90 gallons	3.4 litres
4	Heat Required per Year	20 weeks	
5	Heat Required per Week	5 days	
6	Time per Rest Period	8 hours	
7	Total Time per Year Requiring Heat (Line 4 x Line 5 x Line 6)	800 hours	
8	Yearly Total of Fuel Saved Using Proheat X45 (Line 3 x Line 7)	720 gallons	2720 litres
9	Price of Fuel	\$3.00	\$0.794
10	Yearly Total Fuel Costs Saved Using Proheat X45 (Line 8 x Line 9)	\$2,160	\$2,160

## AT A GLANCE

### Coolant Heater Features

- 13kW (45,000 BTU)
- Electronic control panel displays heater status
- Integrated coolant pump
- Mounting options for all truck configurations

### Timer Features

- Timed or manual start of X45 heater from inside the truck cab
- Easy-to-read digital display
- Programmable, multi-event 7-day timer
- Surface-mount design

### Two Year Warranty

Proheat X45 is backed by a two year parts and labor warranty and is supported by a network of Authorized Proheat Dealers across the United States and Canada. For specific terms, you can access our warranty through [this link](#).

