

Solutions for the School Transportation Industry

Engine Pre-heating ■ Interior Heating ■ Idle-Reduction



Fuel Efficient Solutions for Heating and Idle-Reduction



North American School Bus Industry and Webasto

Manufacturing and distributing heating systems throughout North America has been expanded at our plant in Fenton, Michigan.

Research and development, testing, and assembly are performed by highly trained engineers and production-line personnel.

Webasto Helps You Make the Right Choice

- Diesel fuel prices are on the rise; therefore the need to reduce idling is more important than ever.
- State, federal, and provincial regulations are sweeping the land.
- Maintenance costs keep increasing.



The Alternative to Idling

- Buses are meant to be driven, not idled.
- Idling a bus for warmth:
 - Wastes fuel
 - Wears out the engine
 - Produces harmful emissions
- Webasto heating systems offer an incredible return on investment compared to idling.

How It Works

The concept of Webasto in school bus engines is simple. Heat the cold coolant from the engine's block, then pump it back to the vehicle's engine and heat exchangers. The result: Your engine is preheated and the vehicle's heat exchangers distribute an abundance of heat to the vehicle's interior. Idle time is eliminated and emissions at start up are reduced.

How It Works for You

Webasto coolant heaters go to work before drivers arrive, preheating the coolant in the engine and eliminating cold start concerns. Webasto heaters defrost and defog windshields quickly, and provide excellent supplemental interior heat.

NEW Scholastic Pro 90

Webasto's Scholastic Pro 90 provides engine-off pre-conditioning and supplemental interior heat while eliminating cold starts.

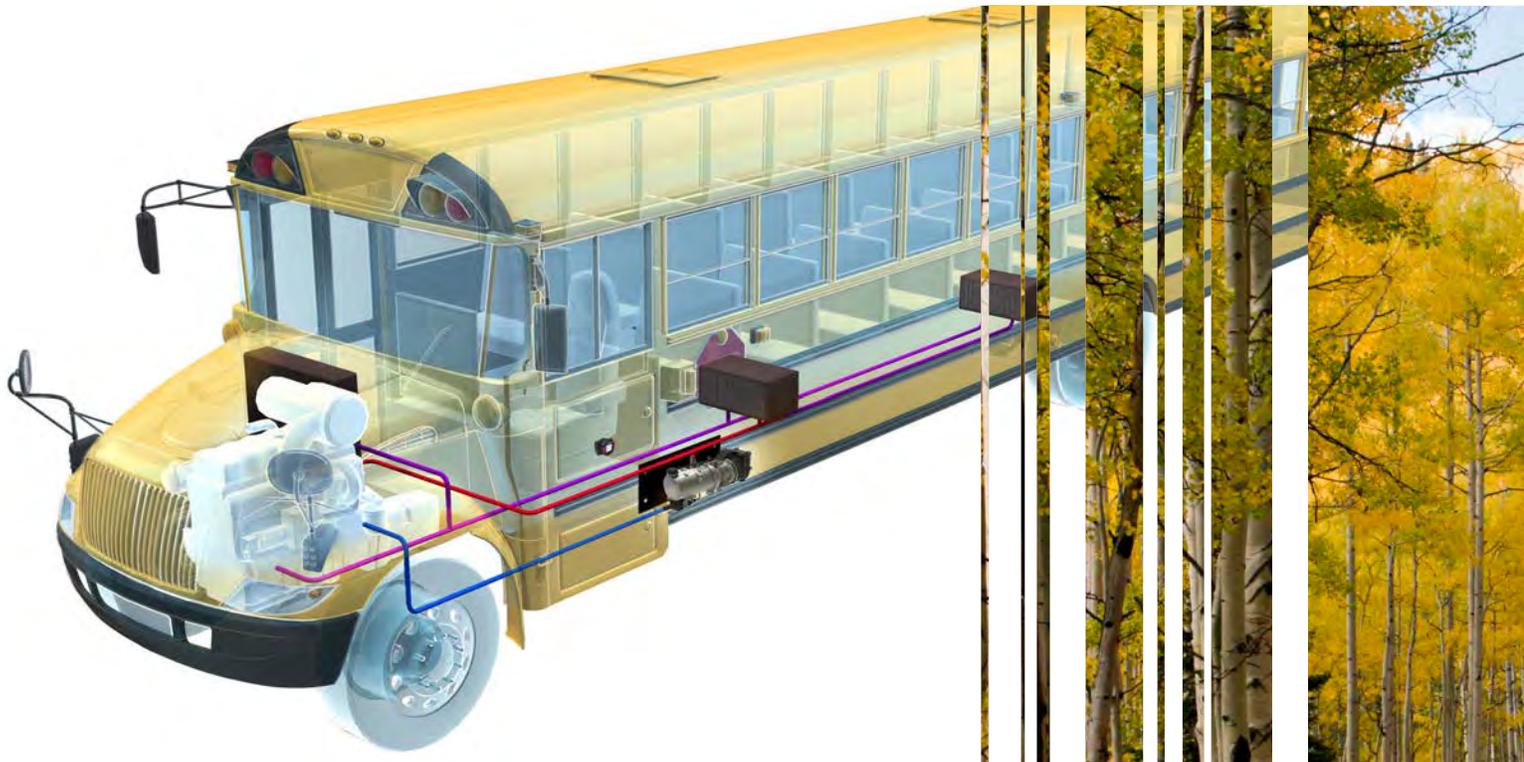
Coolant Heater Features:

- Auxilliary heating for school and shuttle buses of all sizes, offering up to 31,000 BTU/h (9.1 kW) of heating power
- Arctic Start function provides quick pre-heat even in extremely cold temperatures
- Low heater power consumption due to highly efficient design
- Highest product quality with long service life
- Automatic altitude adjustment up to 11,000 feet (3,350 m)
- Several mounting options available
- Quiet operation

Scholastic Pro 90



31,000 BTU/h



Scholastic Series Heaters

Webasto's Scholastic coolant heater gets to work before you do, pre-heating the engine, eliminating cold starts, and warming the bus's interior.

Scholastic Heater Features:

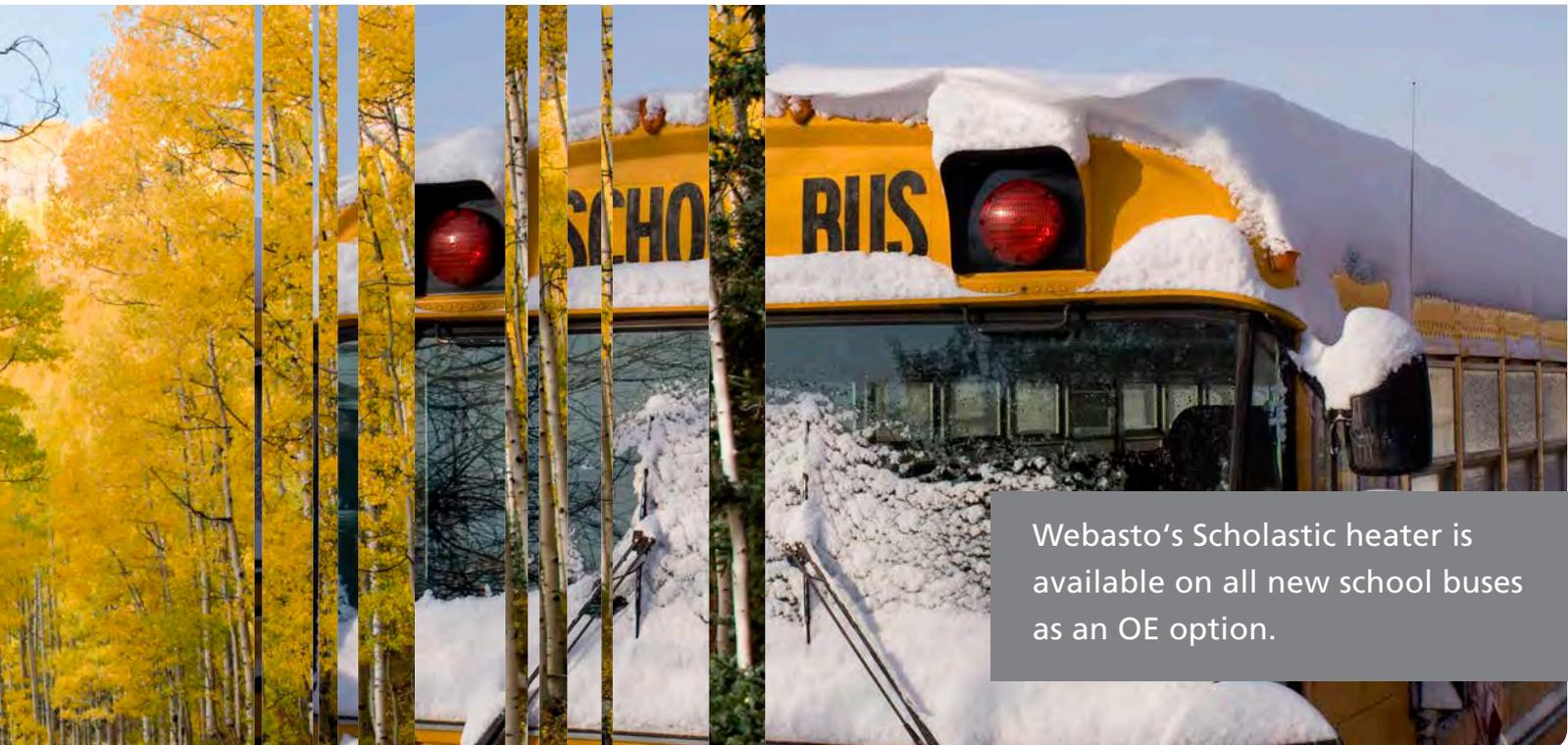
- Preheats the engine to eliminate cold starts and extends engine life
- Accelerates and maintains window defrosting and defogging
- Provides in-duty supplemental heat for increased driver and passenger comfort
- Reduces vehicle emissions eliminating unnecessary idling
- Stops white smoke at engine start-up and eliminates diesel knock
- 1" water connections
- High-capacity water pump for increased heat distribution
- Built-in bleed valve to purge air from system

Manufactured at our North American assembly facility in Fenton, Michigan

Scholastic Coolant Heater



45,000 BTU/h



Webasto's Scholastic heater is available on all new school buses as an OE option.

Thermo Top C Coolant Heater

The Thermo Top C coolant heater preheats bus engines, eliminating cold starts and the need to idle before and during normal bus routes. Webasto offers the most economical idle reduction solutions.

Thermo Top C Heater Features:

- Eliminates the need for an electrical block heater
- Stops white smoke and reduces emissions on start up
- Supplemental interior heating
- Strong heat output of 17,200 BTU/h
- Proven Thermo Top technology
- Compact design
- Ceramic ignition system
- Frame rail or engine compartment mounted
- CARB approved and EPA SmartWay verified
- PC diagnostics

Over one million in use worldwide

Thermo Top C Heater



17,200 BTU/h



Accessories

Timers for programmable start settings and diagnostic kits for manual control and monitoring.



SmarTemp Control *fx* 2.0 for coolant heaters

Webasto's SmarTemp Control *fx* 2.0 is easy to program for repeat heating duration times and allows up to four different timer settings per day. The LCD screen displays mode and duration remaining for set time when in auto mode. It also features a "Week at a glance" screen view for 7 days of timer settings and, timer settings are saved indefinitely until changed.



Scholastic Diagnostics Test Box

Webasto's diagnostic capabilities let you manually control the heater to test components while actually operating the system.



Diagnostic Kit

This kit allows you to connect a PC to the heater and perform diagnostics.



For over a century, Webasto has continued to set new technological standards – in both the original equipment sector and the aftermarket. As one of the 100 biggest suppliers in the automotive industry worldwide, Webasto develops and produces roof systems as well as heating, cooling and ventilation systems. Webasto products help provide a better driving experience on the road, more comfort and security, as well as increased efficiency for cars, buses, commercial and special vehicles, motor homes and boats. An outstanding network of production facilities and dealers guarantees high quality products, installation standards and services worldwide.