

# Thermo 90 ST

Coolant Heater



### Be Ready For Work

Webasto coolant heaters are designed to perform in the most demanding weather conditions. They offer the ideal solution for engine pre-heat, operator comfort and increased productivity. When combined with hydraulic fluid warmers they can also be used to heat fuel and hydraulic fluids.

This unique combination will eliminate cold starts, reduce maintenance costs and have your vehicles ready to go when workers arrive to start the day.

### Coolant Heater Features:

- Provides engine pre-heat and interior cab heat
- Eliminates cold starts
- Full diagnostics with PC interface available
- CARB approved and EPA SmartWay verified
- Boost feature for quicker engine pre-heat
- Heats hydraulic fluid with optional hydraulic system warmer



## Thermo 90 ST Technical Specifications

	Thermo 90 ST
Heating Capacity	6,100 – 31,000 Btu/h (1.8 – 9.1 kW)
Fuel	Diesel #1, Diesel #2, Arctic
Fuel Consumption	0.06 – 0.29 gal/h (0.19 – 1.1 l/h)
Rated Voltage	12 or 24 V
Power Consumption	12 V: 3.0 – 7.5 Amps 24 V: 1.53 – 3.75 Amps
Water Flow	7.3 gal/min at 2.2 PSI (1.650 l/h at 0.15 bar)
Dimensions (L x W x H)	15.75 x 7.5 x 14 in (401 x 191 x 356 mm)
Weight	10.6 lbs (4.8 kg) / 35 lbs (15.8 kg) w/enclosure

### Available Thermo 90 ST Heater Kits:

Heater Kit w/enclosure (12 V) - Part Number: 5001226A

Heater Kit w/enclosure (24 V) - Part Number: 5001232A

Compact Heater Kit (12 V) - Part Number: 5001224A

Compact Heater Kit (24 V) - Part Number: 5001233A

### Standard Kit Components::

- Integrated Control Unit
- Fuel Metering Pump w/Mounting Bracket
- Fuel Line w/Couplers and Clamps
- Fuel Filter
- Universal Fuel Standpipe
- Fuel Pump Power Harness
- Wiring Harness w/On/Off Switch and Fuse Block
- Exhaust Muffler w/Mounting Hardware
- Weather Protective Heater Enclosure
- Magnetic Drive Coolant Pump
- Blink Code Diagnostics and PC Interface Diagnostics
- Operation/Installation Manual
- 2 Year/2000 Hour Limited Warranty

### Optional Accessories for Compact and Enclosure Kits:

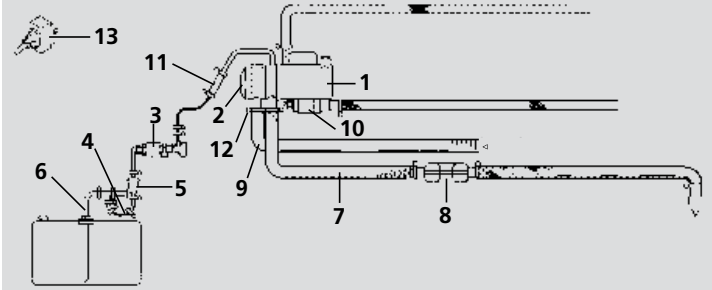
7-Day Digital Timer w/Alarm (Model 1531) - Part No: 905797

### Optional Accessories for Enclosure Kits:

Mounting Bracket Kit (Cross Frame) - Part No: 600055

Mounting Bracket Kit (Perpendicular) - Part No: 905822

## System Schematic



- |                            |                            |
|----------------------------|----------------------------|
| 1. Webasto Thermo 90 ST    | 8. Muffler                 |
| 2. Electronic Control Unit | 9. Air Intake Tubing       |
| 3. Fuel Metering Pump      | 10. Water Circulating Pump |
| 4. Fuel Line               | 11. Fuel Line Coupler      |
| 5. Fuel Filter             | 12. Clamp                  |
| 6. Fuel Standpipe          | 13. On/Off Switch          |
| 7. Exhaust Tubing          |                            |

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