

Thermo 90 ST

Specifications

Heat Rating:

Output:

From: 6,100 Btu/h (1.8 kW)
To: 26,000 Btu/h (7.6 kW)
Boost: 31,000 Btu/h (9.1 kW)

Fuel Type:

Diesel #1, #2, Arctic, Biodiesel (up to 20%)

Fuel Consumption:

From: 0.05 gal/h (0.19 l/h)
To: 0.24 gal/h (0.90 l/h)
Boost: 0.28 gal/h (1.10 l/h)

Rated Voltage: 12 Volts

Power Consumption @ 12 Volts:

From: 3.0 Amps (37 W)
To: 6.9 Amps (83 W)
Start: 7.5 Amps (90 W)

Dimensions:

L 15-3/4" x W 7-1/2" x H 14"
L 400mm x W 190mm x H 356mm

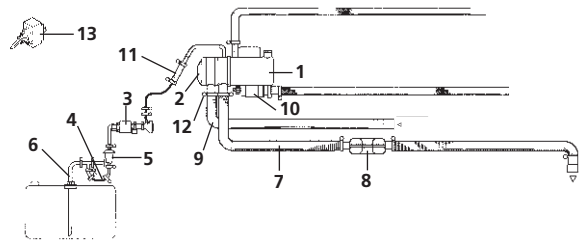
Weight: w/Enclosure

35 lbs. (16 kg)

Technical data is subject to +/- 10% variance



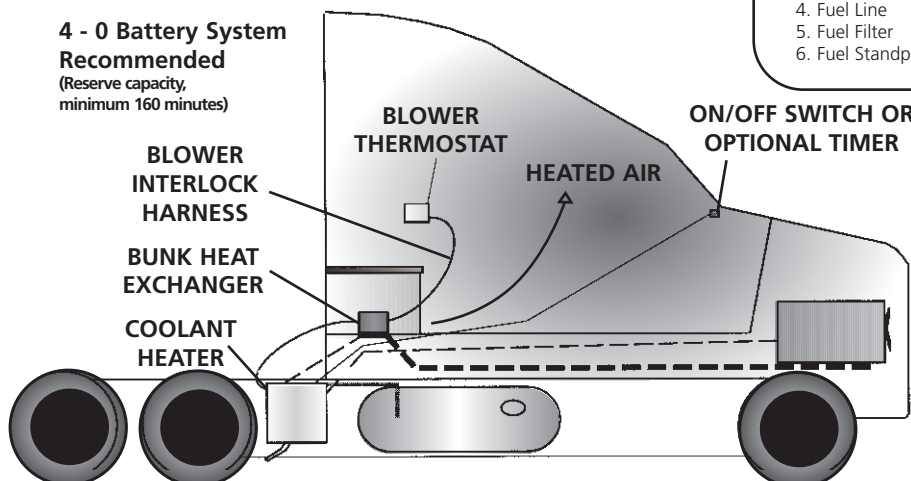
Webasto Thermo 90 ST Heater System Schematic



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

Auxiliary Coolant Heating System

4 - 0 Battery System Recommended
(Reserve capacity, minimum 160 minutes)



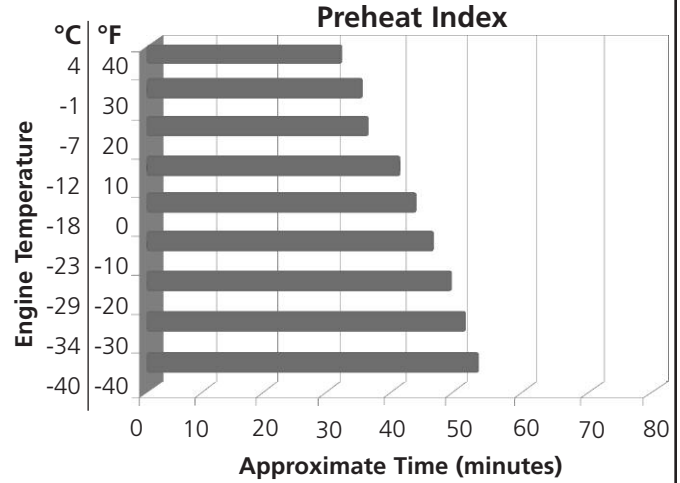
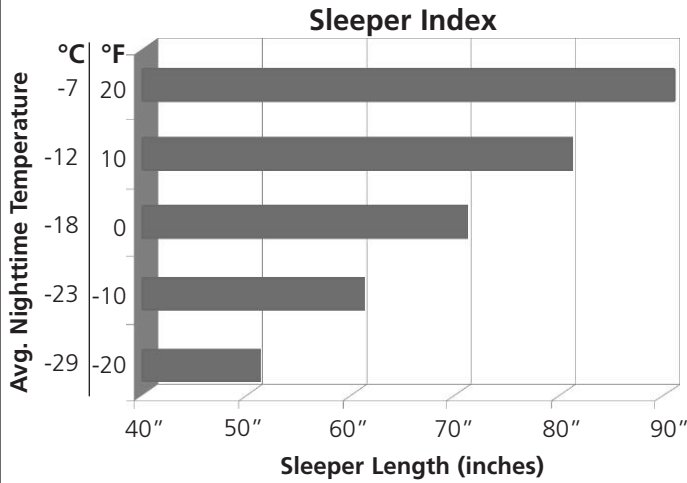
See chart on back for application specific Sleeper Pak* to complete your installation.

Performance Guide

Auxiliary Coolant Heater Performance Guide - Thermo 90 ST

 Thermo 90 ST

Based on your sleeper's length and your average nighttime temperatures, the Sleeper Index guide below will help you select the right Webasto Coolant Heater. Plus, the Preheat Index shows the preheat duration at specific temperatures needed to heat engines.



See chart below for application specific Sleeper Pak* to complete your installation
Designed for all Class 7 & 8 heavy-duty makes and models. For mid-range engine preheat, reference Webasto TSL 17 Spec Sheet.

Thermo 90 ST* Compact	Thermo 90 ST* Enclosure	Standard Kit Components	
5001224A	5001226A	Part Number	
•	•	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 Limited Warranty	
Optional Accessories			
•	•	7-Day Digital Timer w/Alarm - Model 1531	P/N 905797
	•	Mounting Bracket Kit - Cross Frame	P/N 600055
	•	Mounting Bracket Kit - Perpendicular	P/N 905822
Sleeper Paks			
Pak #1	P/N 905670 (includes heat exchanger)	Ford Aeromax, Kenworth AeroCab & Studio Sleeper built before July 1994, and Navistar COE & Conventional	
Pak #2	P/N 906543	Freightliner Century Class- Classic-FLD, Kenworth Modular Sleeper Box - T2000, Kenworth AeroCab & Studio Sleeper built before September 1996, Mack CL, CH, Vision, Peterbilt Model 387, Sterling (all), Volvo VN - WIA, Western Star (all)	
Pak #3	P/N 906558A	Kenworth AeroCab built after September 1996	
Pak #5	P/N 906582	Peterbilt (all Unibilt Sleepers EXCEPT Model 387)	

*Sleeper Pak required to complete installation. Pak includes thermostat, blower interlock harness and operating instructions.

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