

Heat Output:	31,000 btu
Fuel Consumption:	.28 gal/hr
Voltage:	12 or 24 volt DC
Power Consumption (12v):	
Full:	7 amps
Start-up (first 30 secs.)	14 amps
Dimensions:	L 17" x W 6" x H 7 1/4" (420mm x 152mm x 184mm)



The **Thermo 90ST** hydronic heater offered by Webasto will heat up to a 42 foot sailboat or a 40 foot powerboat. The **Thermo 90ST** utilizes 3/4" water hose to deliver heated coolant to fan heaters throughout the boat. The **Thermo 90ST** uses a 1-1/2" rigid exhaust system, and a 3/16" fuel system. The **Thermo 90ST** is available in 12 or 24 volts.

The **SMS** installation kit features:

o Surewire Water

The Surewire Water board puts all electrical connections into one place making installation and troubleshooting of your heater easier than ever before. The Surewire Water is for all Webasto Water heaters. Features include:

- o Ready for hassle free **thermostat** wiring
Up to **four zones!**
- o Domestic water heater control wiring
- o Easy to add **engine heat** control
- o **Hour meter** to track run time of the heater
- o Comes with **protective cover** and backing plate
- o **Breaker protection** of heater in one convenient place
- o Fuel pump **indicator light**
- o Fuel pump **priming button**

No more disconnecting or bridging wires.



- o 316 Series Stainless Double Wall Thru Hull Fitting
- o Heavy Duty Exhaust Insulation
- o Marine Installation Manual

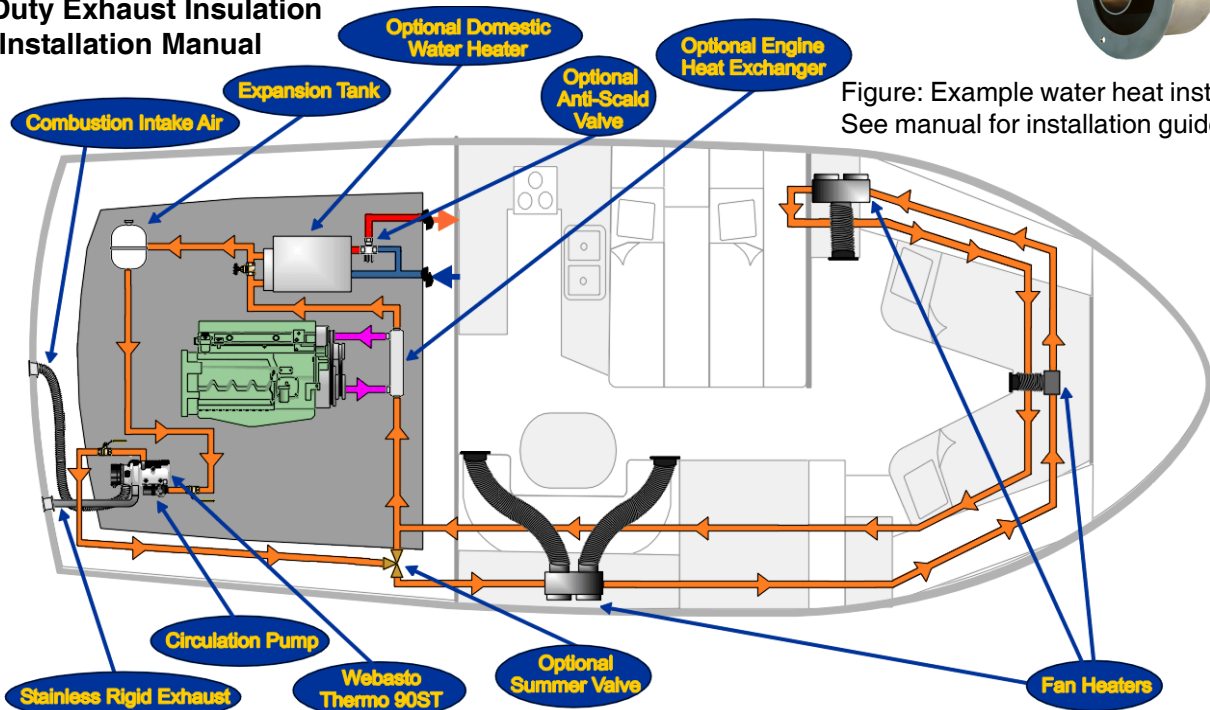


Figure: Example water heat installation.
See manual for installation guidelines.

Marine Heating Price List

Please note, the prices listed are in U.S. Dollars.

Thermo 90ST

Webasto Model Thermo 90ST 31,000 BTU Heater Kit
Basic Boat Hydronic Heater Installation Kit with SureWire



Part #	Item Description	Quantity	Price Per	Price Total
Heater Equipment				
T90STSW-12	Webasto Hot Water Heater 31,000 Btu 12v Marine Installation Manual Surewire Kit	1 each	\$3,141.63	\$3,141.63
Mounting Equipment				
W005-217	Aluminum Side Wall Mount Bracket	1 each	\$30.15	\$30.15
Electrical Equipment				
SC1600L-BLACK	Digital Room Thermostat	1 each	\$57.46	\$57.46
W005-378K	On/off Switch Kit	1 each	\$22.96	\$22.96
75135K-20	Main Power Breaker Kit	1 each	\$16.14	\$16.14
W005-213-KIT	3/4" Inline Fan Aquastat	1 each	\$33.09	\$33.09
Intake and Exhaust Equipment				
HTR1.25	1 1/4" Combustion Air Extension Hose / Foot	5 feet	\$3.43	\$17.15
001-379	Combustion Air Fitting	1 each	\$8.60	\$8.60
W002-109	1-1/2" S/S 316 Grade Thru Hull FTG W/GSKTS	1 each	\$150.85	\$150.85
W005-111	1-1/2" S/S 316 Grade Short 90 Exhaust ELL W/Drain	1 each	\$99.38	\$99.38
W001-214	1-1/2" S/S 316 Grade Rigid Exhaust Tube / Foot	4 feet	\$17.99	\$71.96
W002-742	1-1/2" S/S 316 Grade Exhaust Muffler	1 each	\$129.43	\$129.43
W002-780	1-1/2" S/S Exhaust Clamps	5 each	\$13.86	\$69.30
W001-441	Exhaust Insulation Blanket / Foot	5 feet	\$40.49	\$202.45
W001-886	Exhaust Insulation (for Muffler) Blanket / Foot	1 foot	\$46.54	\$46.54
45050	High Temperature Exhaust Cement	1 pint	\$13.43	\$13.43
PERM-81878	High Temperature Silicone Sealer	1 tube	\$8.64	\$8.64
Fuel Equipment				
W11BVR	Garber Fuel Filter With Mount Bracket, Valve & Fittings	1 each	\$62.51	\$62.51
W005-912	3/16" S/S Fuel Pickup Tube 33"	1 each	\$55.53	\$55.53
001-010	3/16" Copper Fuel Line / Foot	16 feet	\$2.51	\$40.16
PERM-80015	Permatex Form-A -Gasket #2, 1.5 oz Tube	1 each	\$3.32	\$3.32
Water System Equipment				
W002-103	SMS 2.5 Gallon Steel Expansion Tank Kit	1 each	\$193.50	\$193.50
001-453	3/4" Webasto System Hose / Foot	100 feet	\$2.83	\$283.00
002-621S	3/4" Shut Off Valves W/Hose Barbs	2 each	\$18.58	\$37.16
001-394K	Drain Valve Kit	1 each	\$24.25	\$24.25
CLA-012	#12 S/S Hose Clamps	16 each	\$1.73	\$27.68
PERM-80019	Permatex Form-A -Gasket #3, 4oz Tube	1 tube	\$6.77	\$6.77
AS05	FasSeal-ATS Anaerobic Thread Sealant with PTFE	1 each	\$25.58	\$25.58
001-840	Sta/Clean Antifreeze / Gallon	2 gallons	\$25.67	\$51.34
Fan Heater Equipment				
W002-6424	REAL Dual 4" Outlet Fan Heater 14,000 Btu	1 each	\$365.72	\$365.72
W002-6013	REAL Single 3" Head Fan Heater 3,500 Btu	1 each	\$232.57	\$232.57
W002-6414	REAL Single 4" Outlet Fan Heater 14,000 Btu	1 each	\$333.01	\$333.01
W002-911.36	Fan Heater Two Speed Switch & Plate .36 amp	1 each	\$29.98	\$29.98
W002-911.70	Fan Heater Two Speed Switch & Plate .70 amp	2 each	\$32.49	\$64.98

May-12

Retail Price FOB Seattle

Price subject to change without notice

\$5,956.22

This is a generic kit that contains most parts that are likely needed for installation but, as with all Sure Marine Service kits, parts may be added or subtracted to suit your particular installation requirements.



Sure Marine Service
5320 28th Ave. N.W.
Seattle, WA 98107
(800)562-7797 (206)784-9903
Shop Online: www.suremarineservice.com