

Thermo E320+

Heat Output:	109,000 btu (32 kW)
Fuel Consumption:	1.19 gal/hr (4.4 l/hr)
Voltage:	12
Power Consumption (12v): Full:	9.2 amps (110 watts) (Not including pump)
Coolant Operating Temperature: Opens at: Closes at:	180° F (82° C) ± 6° F 162° F (72° C) ± 9° F
Dimensions:	L 17.2" x W 9.8" x H 8.9" (590mm x 248mm x 224mm)
Weight:	38.2 lbs (17.3 kg)



The E320+ 109,000 btu hydronic heater offered by Spheros will heat boats ranging from 70' to 100'. "The E320+ utilizes 1-1/2" water hose to deliver heated coolant to 3/4" zones of fan heaters throughout the boat. The E320+ uses a 2-3/4" rigid exhaust system, and a 1/4" supply and return fuel system.

The **SMS** installation kit features:

o Surewire Water

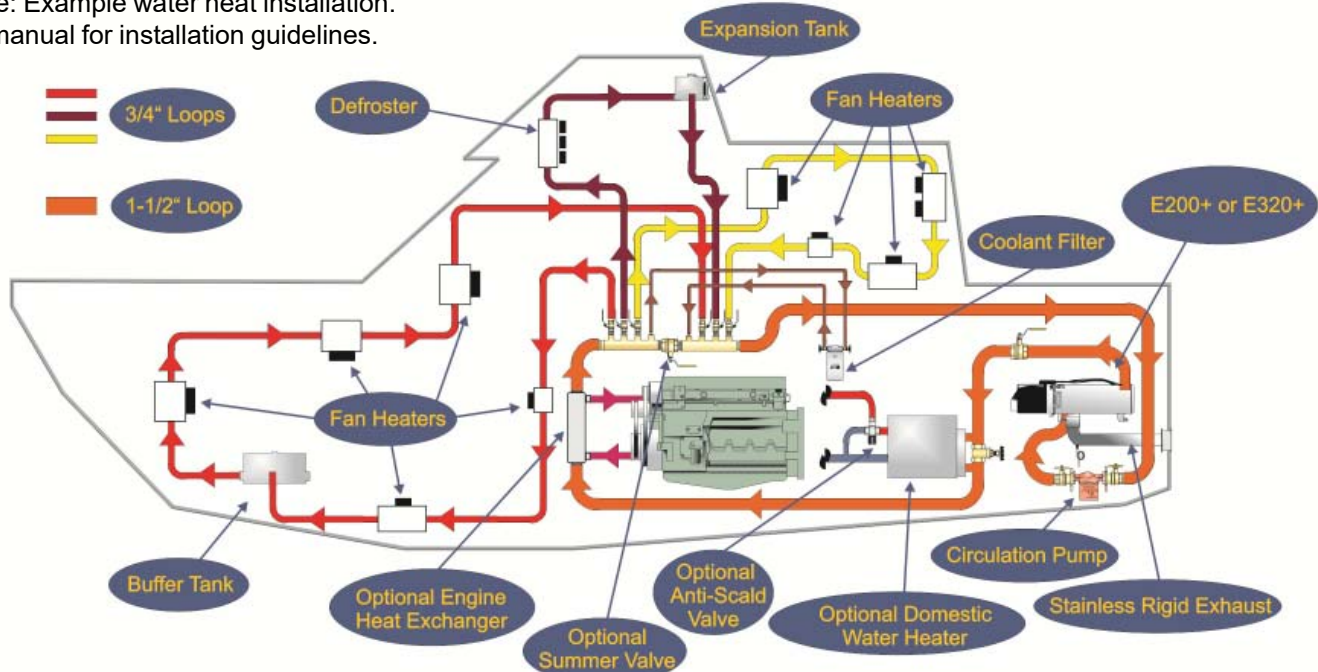
The Surewire Water board puts all electrical connections into one place making installation and troubleshooting of your heater easier than ever before. The Surewire Water is for all Webasto Water heaters. Features include:

- 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 Marine Installation Manual

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



Marine Heating Price List

Thermo E320+

Model Thermo E320+ 109,000 BTU Heater Kit Basic Boat Hydronic Heater Installation Kit with SureWire



Part #	Item Description	Quantity	Price Per	Price Total
Heater Equipment				
E320+SW-12	Spheros E320-PLUS 12 Volt 109,000 Btu Hydronic Heater w/ Surewire Marine Installation Manual Surewire Kit	1 each	\$8,564.97	\$8,564.97
Mounting Equipment				
W005-131	Aluminum Side Wall Mount Bracket	1 each	\$301.40	\$301.40
W600-016K	8MM Heavy Duty Rubber Shock Mount Kit	1 each	\$78.97	\$78.97
Electrical Equipment				
TH135-01	Aube Digital Room Thermostat	4 each	\$123.01	\$492.04
W005-375K	System Heat Switch, 12v Lighted Rocker	1 each	\$44.86	\$44.86
75135K-30	Main Power Breaker Kit	1 each	\$20.64	\$20.64
W005-213-KIT	3/4" Inline Fan Aquastat	1 each	\$37.26	\$37.26
B7W10T-20-25FT	10-2 Power Supply Tinned Boat Cable	1 spool	\$41.90	\$41.90
B7W16T-20-100FT	16-2 Fan Heater & Room Thermostat Power Supply Tinned Boat Cabl	4 spool	\$58.60	\$234.40
B7W16T-30-100FT	16-3 Master Thermostat Power Supply Tinned Boat Cable	1 spool	\$84.00	\$84.00
Exhaust Equipment				
W002-124	2-3/4" S/S 316 Grade S/S Thru Hull FTG W/GSKTS	1 each	\$395.83	\$395.83
W002-130	2-3/4" S/S 316 Grade Short 90 Exhaust ELL W/Drain	1 each	\$230.64	\$230.64
W001-034	2-3/4" S/S 316 Grade Rigid Exhaust Tube / Foot	4 feet	\$61.56	\$246.24
W002-663	2-3/4" S/S Exhaust Clamp	3 each	\$21.26	\$63.78
W001-886-2FT	Exhaust Insulation Blanket Pad	1 pad	\$157.69	\$157.69
W001-886-3FT	Exhaust Insulation Blanket Pad	1 pad	\$236.60	\$236.60
PERM-81878	High Temperature Silicone Sealer	1 tube	\$16.19	\$16.19
Fuel Equipment				
W11BVRK	Garber Fuel Filter w/Mount Bracket, Valve, Gauge & Fittings	1 each	\$152.42	\$152.42
001-449	1/4" A-1 Fuel Rated Hose	40 feet	\$3.70	\$148.00
W005-913-KIT	1/4" S/S Fuel Pickup Tube with Return 33" w/Weldless Bushing Kit	1 each	\$185.36	\$185.36
Water System Equipment				
UPS26-99FCKIT-HB	120 VAC Circulation Pump w/Brkt & Valves - 29 gpm @ 5ft head	1 each	\$1,534.87	\$1,534.87
W003-100-12	AC Pump Interlock Box	1 each	\$379.35	\$379.35
WSMS-0092020-HB	Water Conditioner Kit	1 each	\$349.11	\$349.11
WSH4TK-HB	Brass Multi-Zone Manifold Kit / Each	2 each	\$748.38	\$1,496.76
W002-105AB-HB	SMS 5 Gallon Aluminum Buffer Tank	1 each	\$422.84	\$422.84
W002-105A-HB	SMS 5 Gallon Aluminum Expansion Tank	1 each	\$561.21	\$561.21
001-395	Plastic Overflow Tank Kit for Hydronic System	1 each	\$26.34	\$26.34
001-453-100	3/4" Webasto System Hose - 100 Foot Box	2 each	\$659.20	\$1,318.40
001-459	1-1/2" Webasto System Hose / Foot	20 feet	\$16.76	\$335.20
001-394K-HB	Drain Valve Kit	1 each	\$71.33	\$71.33
6712M51	#12 S/S Hose Clamps	32 each	\$3.80	\$121.60
6724M51	#24 S/S Hose Clamps	6 each	\$4.03	\$24.18
PERM-80019	Permatex Form-A -Gasket #3, 4oz Tube	1 tube	\$11.66	\$11.66
AS05	FasSeal-ATS Anaerobic Thread Sealant with PTFE	1 each	\$47.31	\$47.31
001-840	Sta/Clean Antifreeze / Gallon	6 gallons	\$45.96	\$275.76
Fan Heater Equipment				
RL5433-24-HB	REAL Triple 3" Outlet Defroster	1 each	\$909.78	\$909.78
RL6424-12-HB	REAL Dual 4" Outlet Salon Fan Heater	1 each	\$685.63	\$685.63
RL6414-12-HB	REAL Single 4" Outlet Master Stateroom Fan Heater	2 each	\$625.42	\$1,250.84
RL6214-12-HB	REAL Single 4" Outlet Stateroom Fan Heater	4 each	\$533.76	\$2,135.04
RL6013-12-HB	REAL Single 3" Outlet Head Fan Heater	2 each	\$442.68	\$885.36
W002-913.36-Sq	Head Fan Heater Two Speed Switch & Plate .36 amp - HI/OFF/LOW	2 each	\$65.48	\$130.96
W002-914.36-Sq	Fan Heater Two Speed Switch & Plate .36 amp - HI/LOW - No Off	4 each	\$63.44	\$253.76
W002-914.70-Sq	Fan Heater Two Speed Switch & Plate .70 amp - HI/LOW - No Off	3 each	\$67.55	\$202.65


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**Retail Price FOB Seattle
Price subject to change without notice**

\$25,163.13

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.

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



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