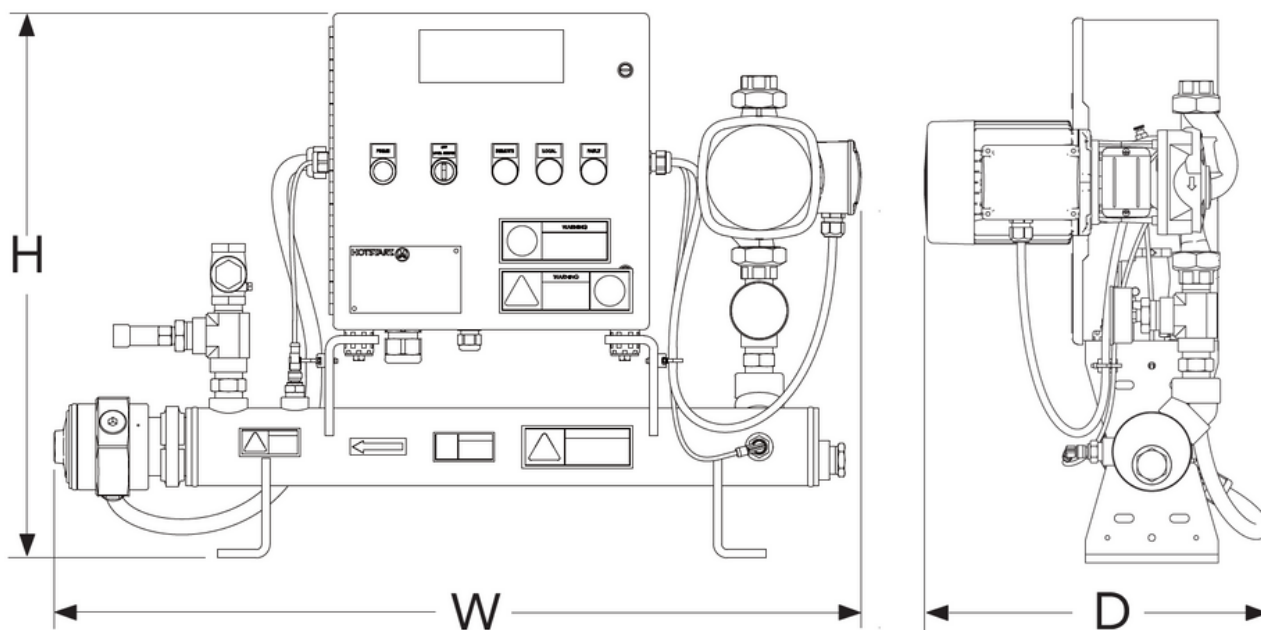




CMM coolant heating system

The CMM coolant preheater is specially developed for the heating of marine engines, and diesel and gas engines for power plants and mining equipment. The CMM heater was designed with usability, reliability and safety in mind. The compact preheater includes a remote automatic function, customer interface connections, pressure relief valve, and PT-100 sensors for precise temperature monitoring and control.

Specifications			
System		Coolant	
Phase	Single-phase (1 Ø); Three-phase (3 Ø)	Fluid Type	Engine coolant
Voltage (50 Hz)	230V; 400V (380 - 415V); 690V	Heat Power	12 kW; 18 kW; 21 kW; 24 kW
Voltage (60 Hz)	208V; 220V; 240V; 380V; 440V; 480V; 600V; 690V	Temperature Control	Adjustable, 32 – 176°F (0 – 80°C)
Control Box Ingress	NEMA 4 / IP66	Control Set Point	122°F (50°C), factory set
Motor Ingress	IP55	Temp. High-limit	195°F (90°C)
Min./Max. Ambient Temperature Certification	-4 – 104°F (-20 – 40°C)	Pump Control	0.5 hp (0.37 kW)
	<ul style="list-style-type: none"> • CSA C/US • CE conformance • Marine Society certification available 	Flow (50 Hz)	39 gpm @ 25 ft H ₂ O (8.9 m ³ /hr @ 7.6 m H ₂ O)
		Flow (60 Hz)	39 gpm @ 33 ft H ₂ O (8.9 m ³ /hr @ 10 m H ₂ O)
		Inlet/Outlet	1" NPT
		Pressure Relief	100 psi (690 kPa)
		Max. Pressure	100 psi (690 kPa)



Height (H)	Width (W)	Depth (D)	Weight
26"	36"	16"	100 lbs
660 mm	915 mm	405 mm	46 kg

Model information

Proper heating system specification is dependent on multiple factors, including heated area dimensions, fluid volumes, ambient conditions, and other considerations. Additional heating system options not listed, including heat power, may be available.