

HOTflow[®] Heating System

CSM Euro



CE

Hotstart's CSM Euro HOTflow[®] heating system is a coolant preheater, developed to maintain optimal temperatures for diesel and gas engines in stationary land power, marine, construction equipment, and truck applications



HEAVY DUTY HEATING

The CSM features the most powerful pump (10 gpm flow) and most powerful heating element options (up to 12 kW) in the HOTflow lineup. The CSM's heating power in an energy efficient system is ideal for replacing costly convection-based heaters in large-engine installations up to 100 L displacement.



MULTIPLE CONFIGURATIONS

The CSM lineup is equipped to meet a wide array of conditions, including power source requirements and agency certifications. Whatever your power or heating needs, there's a CSM to meet your specific heating system application.



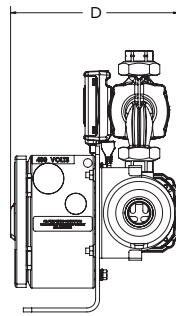
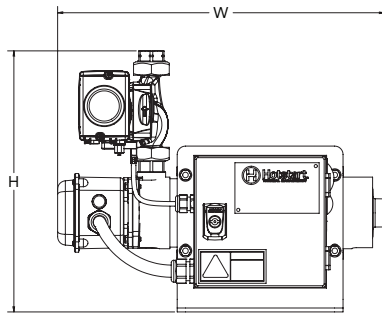
CONTROLS & AUTOMATION OPERATION

The CSM's control box allows for easy power connections and enables automatic heater operation, eliminating the need for additional customer-supplied control components.



SINGLE HEATER SOLUTION

The CSM's power and pump-driven forced circulation provides superior heat distribution, making the CSM a viable option to replace paired or multiple convection-based heaters – improving heating performance while reducing maintenance costs.



Height (H)	Width (W)	Depth (D)	Weight
393 mm	493 mm	253 mm	16.8 kg
15.5" mm	19.4"	10"	37 lbs

System	
Phase	single-phase (1 Ø) + neutral three-phase (3 Ø) + neutral
Voltage (50 Hz)	230 V 400 V
System Ingress	IP44
Min./Max. Ambient Temp.	-20–40 °C (-4–104 °F)
Certification	CE-compliant

Coolant	
Fluid Type	Water Coolant mix (50% water/50% glycol)
Heat Power	3 kW 6 kW 9 kW 12 kW
Temp. Control	Fixed, 38–54 °C (100–130 °F)
Pump Power	70 W (50 Hz) / 97 W (60 Hz)
Flow	37.9 L/min @ 3 m WC (10 gpm @ 10 ft WC)
Max. Pressure	860 kPa (125 psi)
Pressure Loss	1.5 kPa (0.2 psi)
Inlet/Outlet	1" NPT

Ordering Information

CSM Euro

Engine Displacement	Power Supply			Heating System		
	V	Ø	Hz	kW	Amps	Model Number
15–25 L 1000–1500 CID	230	1	50	3	13.4	CSM1030J-5A0-E
	400	3	50	3	4.7	CSM4030A-5A0-E
25–50 L 1500–3000 CID	230	1	50	6	26.4	CSM1060J-5A0-E
	400	3	50	6	9.1	CSM4060A-5A0-E
50–75 L 3000–4500 CID	230	1	50	9	39.5	CSM1090J-5A0-E
	400	3	50	9	13.4	CSM4090A-5A0-E
75–100 L 4500–6000 CID	400	3	50	12	17.7	CSM4120A-5A0-E

Options shown represent typical tested or certified configurations. Additional options or configurations may be available. For assistance with your heating system application, contact HOTSTART at 49.2203.98137.30 or europe@hotstart.com.