

HOTflow® Heating System CKM



GENERATOR



HEAVY
EQUIPMENT

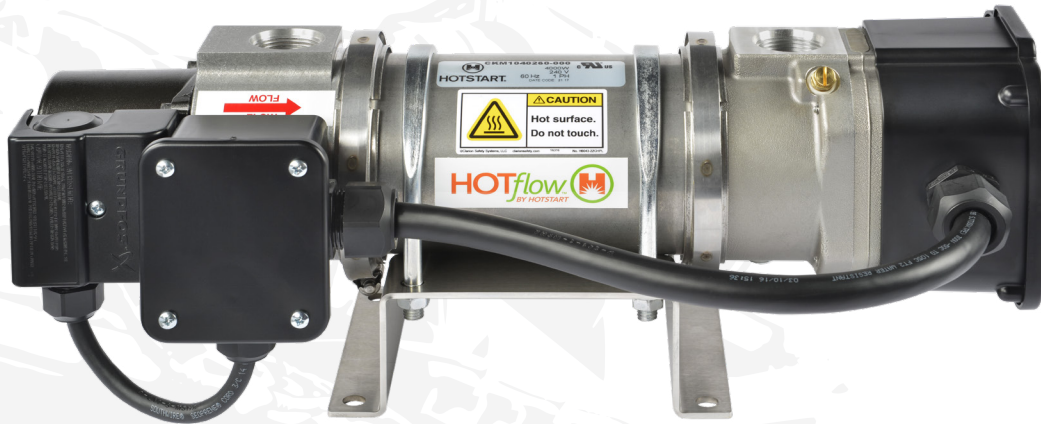


TRUCK
& BUS



MARINE

HOTSTART's CKM 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.



UL US CE

BENEFITS & FEATURES

INTEGRATED DESIGN

The CKM's mechanically-driven pump is integrated directly into the stainless steel heating tank using a custom designed volute – maximizing coolant flow while minimizing the heater's footprint.

USER FRIENDLY

With the technician in mind, the CKM is constructed to provide easy access to all major components. A built in bleed screw allows installers to flush air from the heater before operation and an integrated high-limit thermostat can be manually reset without the need for expensive maintenance.

ENERGY EFFICIENT

Like all HOTflow® heaters, the CKM is an energy efficient alternative to legacy convection-based heaters for common genset and heavy equipment engine size applications. Pump-driven forced circulation allows for even, consistent heating while lowering overall operating costs.

SIMPLE UPGRADE OPTION

Combined with its ability to be installed horizontally or vertically, the CKM's compact configuration makes it an easy drop-in replacement for traditional convection-based systems.

HOTflow[®] Heating System

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TRUCK & BUS



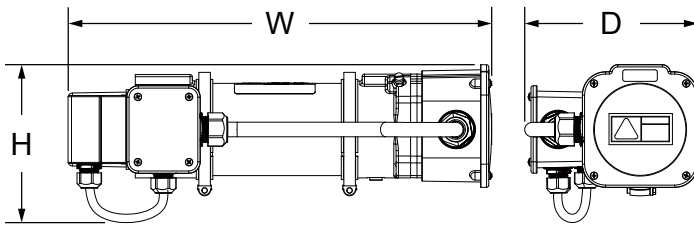
MARINE

ORDERING INFORMATION

CKM

Engine Displacement	Power Supply		Heating System		
	V	Hz	kW	Amps	Model Number
1000–1500 CID 15–23L	120	60	3	25.0	CKM1030160-000
	230	50	3	13.0	*CKM1030250-000
	240	60	3	13.0	CKM1030260-000
1500–2000 CID 23–30L	230	50	4	13.0	*CKM1040250-000
	240	60	4	16.7	CKM1040260-000
2000–2500 CID 30–38L	230	50	5	21.7	*CKM1050250-000
	240	60	5	20.8	CKM1050260-000
2500–3000 CID 38–50L	230	50	6	26.1	*CKM1060250-000
	240	60	6	25.0	CKM1060260-000

* – CE-compliant
(All other models – UL/C-US recognized)



Height (H)	Width (W)	Depth (D)	Weight
6.9"	18.4"	8.5"	13.2 lbs
175 mm	467 mm	216 mm	6.0 kg

System	
Phase	single-phase (1 Ø)
Voltage (60Hz)	120V 240V
Voltage (50Hz)	230V
Motor Ingress	NEMA 2 (UL-recognized)/IP44 (CE-compliant)
Min./Max. Ambient Temp.	-40°F/104°F (-40°C/40°C)
Max. Pressure	125 psi (860 kPa)
Certification	UL/C-US recognized models available (E250789) CE-compliant models available

Coolant	
Fluid Type	Water Coolant mix (50% water/50% glycol)
Heat Power	3 kW 4 kW 5 kW 6 kW
Temp. Control	Fixed, 100–120°F (38–49°C)
Temp. High-limit	205°F (96°C)
Pump Power	70 W (50 Hz)/97 W (60 Hz)
Flow	9 gpm @ 10 ft WC (34.1 L/min @ 3 m WC)
Inlet/Outlet	SAE J1926/1:1 5/16-12

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 509.600.3700 or sales@hotstart.com.