

# 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.



## 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.

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# HOTflow<sup>®</sup> Heating System

## CKM



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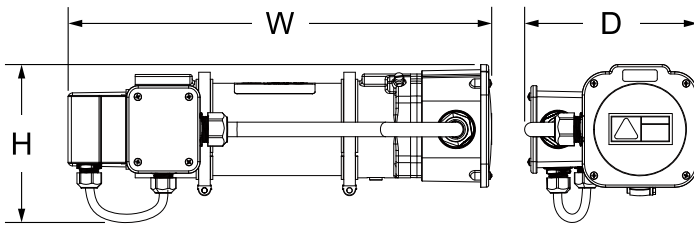
MARINE

## ORDERING INFORMATION

### CKM

Engine Displacement	Power Supply		Heating System		
	V	Hz	kW	Amps	Model Number
1000–1500 CID 15–23 L	120	60	3	25.0	CKM1030160-000
	230	50	3	13.0	*CKM1030250-000
	240	60	3	13.0	CKM1030260-000
1500–2000 CID 23–30 L	230	50	4	13.0	*CKM1040250-000
	240	60	4	16.7	CKM1040260-000
2000–2500 CID 30–38 L	230	50	5	21.7	*CKM1050250-000
	240	60	5	20.8	CKM1050260-000
2500–3000 CID 38–50 L	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 (60 Hz)	120V   240V
Voltage (50 Hz)	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](mailto:sales@hotstart.com).

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