

# DV COOLANT HEATING SYSTEM

The HOTSTART DV is a complete, packaged dual heating system with thermocouples, pump and all required controls. It heats and circulates coolant and lube oil throughout the entire engine and cooling system. The DV heats engines up to 325L displacement at 120°F over ambient temperature. The system features a text display which displays system diagnostics and allows operators to adjust and monitor water and oil temperature.

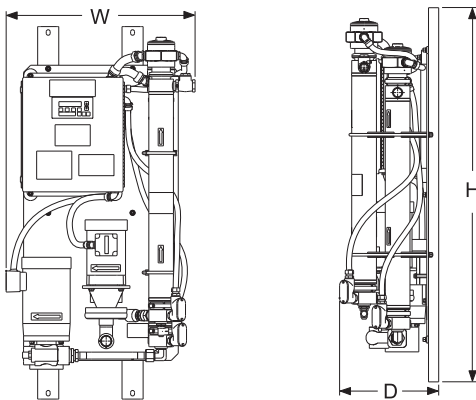


## APPLICATION

The DV was developed to preheat locomotive prime movers as well as diesel and gas engines for stationary land power, marine, large mining and construction equipment.

## SPECIFICATIONS

- Heating Fluid: Coolant and Oil
- Coolant Heat Power: 12, 18, 24, 30 and 36kW
- Oil Heat Power: 6, 9, 12kW
- Rated Voltage: 208, 240, 480, 575V (3Ø 60Hz)  
220, 380, 400, 415V (3Ø 50Hz)
- Tank Material: Steel
- T-Stat, coolant: Adj. 60° - 160°F (16° - 71°C)
- T-Stat, oil: Adj. 80° - 140°F (27° - 60°C)
- Ingress Protection: IP54, NEMA 12 & 13
- Hi-Limit Cutout: 200°F (94°C)
- Fluid Capacity, oil/coolant: 1.75 gl (6.6L)
- Coolant Pump Power: 1HP (0.75kW)
- Oil Pump Power: 1 or 2HP available (0.75 or 1.5kW)
- Coolant Flow: 40GPM @ 40ft head (9m<sup>3</sup>/hr @ 1.2 bar)
- Oil Flow: 10, 20GPM (2.3, 4.6 m<sup>3</sup>/hr)
- Max Pressure: 125PSI (8.61 bar)
- Pressure Loss: 5PSI (0.35 bar)
- Pressure Relief, coolant: 90PSI (6.2 bar)
- Pressure Relief, oil: 50PSI (3.5 bar) - internal
- Inlet/Outlet, coolant: 1.25"NPT inlet, 1"NPT outlet
- Inlet/Outlet, oil: 1"NPT (10GPM), 1.5"NPT (20GPM), inlet 1"NPT outlet



### Dimensions & Weight

Height (H)	In (mm)	53.0	(1346)
Width (W)	In (mm)	26.9	(683)
Depth (D)	In (mm)	14.0	(356)
Weight	lbs (kg)	405	(184)

## FEATURES

- Continuous flow monitoring
- 24VDC ON/OFF remote control
- CE compliant to LVD (optional)



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## PART NUMBERS

Engine Size cubic inch, liter	Oil Volume gallons, liter	Part Number 3 phase, 60 Hz	Water kW	Oil kW	Volts	Total Amps	Water HP/GPM	Oil HP/GPM
4000 - 8000 cid 65-130 l	100-250 gal 380-950 l	DV3180/0602	18	6	240	65.8	1 / 40	1 / 10
		DV3180/0604	18	6	480	33.6	1 / 40	1 / 10
		DV3180/0605	18	6	575	28.0	1 / 40	1 / 10
8000 - 12000 cid 130-200 l	100-250 gal 380-950 l	DV3240/0604	24	6	480	40.8	1 / 40	1 / 10
		DV3240/0605	24	6	575	32.9	1 / 40	1 / 10
10000 - 15000 cid 160-245 l	200-400 gal 750-1500 l	DV3300/0904	30	9	480	53.2	1 / 40	2 / 20
		DV3300/0905	30	9	575	44.1	1 / 40	2 / 20

