

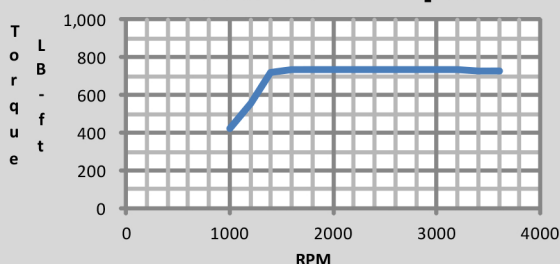
373 bkW (500 bhp) @3600 rpm

Powered by: **GM DURAMAX DIESEL**

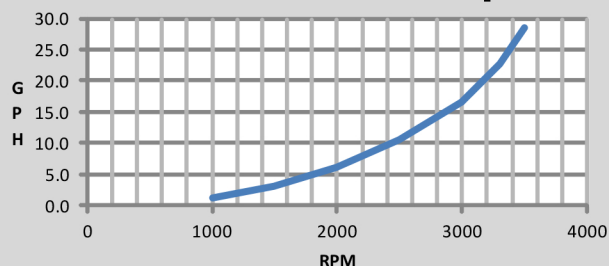
All Performance Diesel DMD Common Rail Engines are based on the Duramax 6.6L V8 configuration and are designed to be as compact and light weight as possible while maintaining durability as well as serviceability. The DMD-500 is intended for light high speed vessels and has a light duty rating (medium duty as an option). Laptop based diagnostics tool is available for all DMD engines via J1939 and NEMA2000 CAN communication.



DMD-500 Torque



DMD-500 Fuel Consumption



General Data

Model DMD-500
 Number of cyl 8
 Bore and stroke mm 103/98
 Displacement L 6.6
 Compression ratio 16.8:1
 Valves per cyl 4
 Firing order 1-2-7-8-4-5-6-3
 Combustion system DI Common rail
 Engine type V8
 Aspiration Variable geometry turbo
 Charge air cooling Air to water
 Engine crankcase vent syst Closed
 Max crankcase press kPa 0.5

Physical Data

Length mm 779
 Width mm 825
 Height mm 969
 Weight dry kg 450

Air System

Max intake restriction kPa 6
 Engine air flow m³/min 30
 Rec air intake pipe diam mm (min) 100
 Minimum intake air per eng (cm²) 600

Cooling System

Cooling system closed cooling
 Closed system coolant flow L/min 304
 Raw water pump flow L/min 180
 Thermostat start to open °C 7
 Thermostat fully open °C 93
 Engine coolant capacity L 18
 Recommended press cap psi 16

Fuel System

Fuel injection pump Bosch common rail
 Governor regulation 1%
 Governor type Electronic

Maximum fuel transfer pump suction

Distance of fuel m 2.5
 Fuel filter micron size 10

Lubrication System

Oil pressure @ 2000 rpm - psi 30-45
 Oil pressure at low idle - psi 12
 In pan oil max temperature °C 120

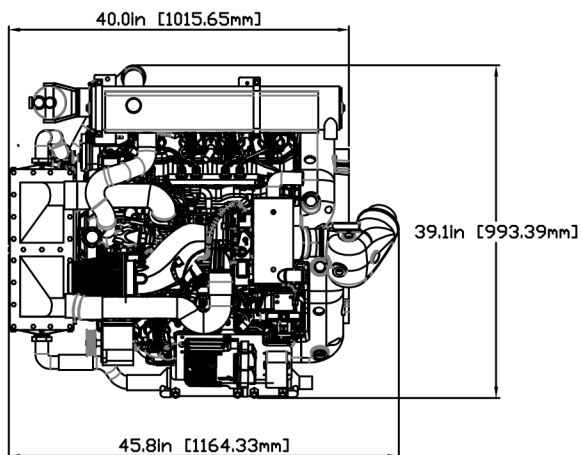
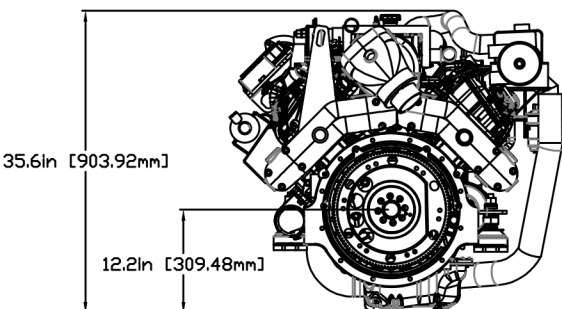
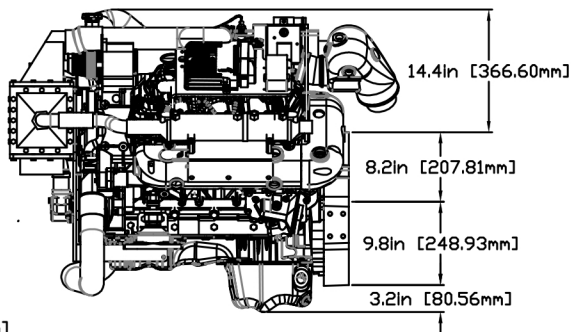
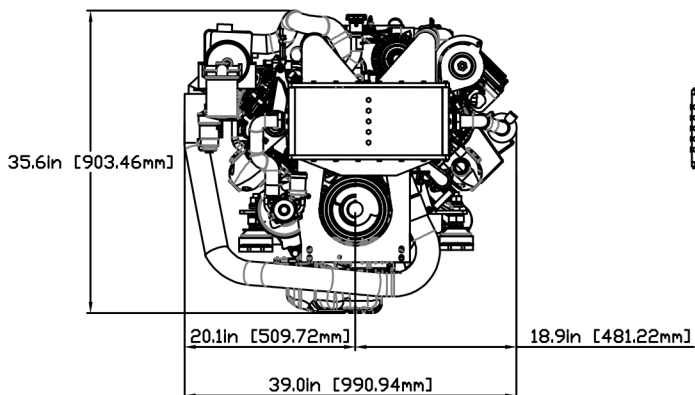
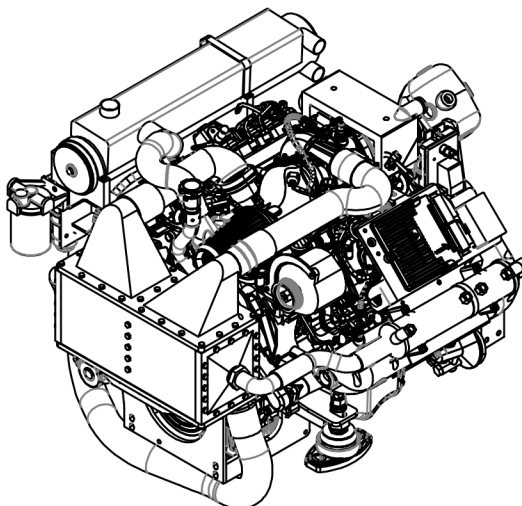
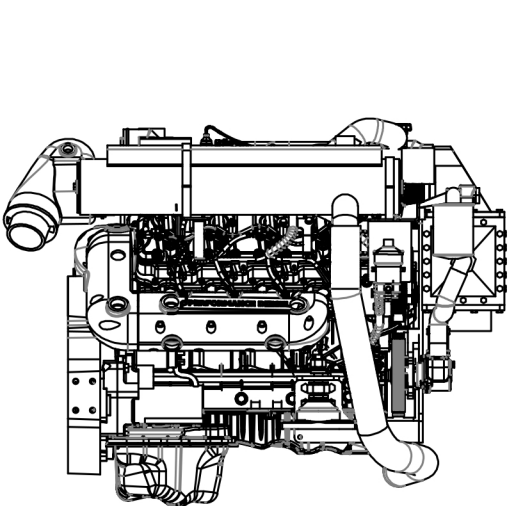
Exhaust System

Exhaust flow m³/min (max) 60
 Exhaust temperature °C (max) 700
 Max allowable exh backpress kPa 7.5

Electrical System

Recommended battery capacity CCA
 12 volt system - amp 050
 Maximum allowable start circuit resistance
 12 volt system - ohm 0.001

MANUFACTURED BY:



Drawings are for estimation purposes only and may show items that are not needed for your particular installation. For specific engineering and installation drawings, please contact one of our representatives.