

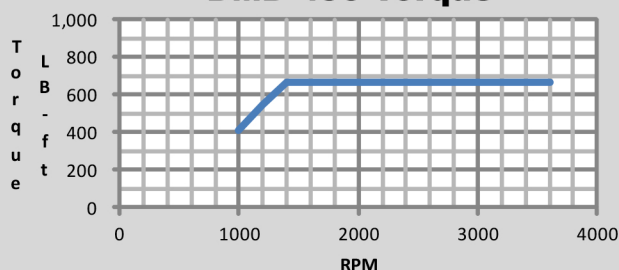
336 bkW (450 bhp) @3600 rpm

Powered by: **GM DURAMAX DIESEL**

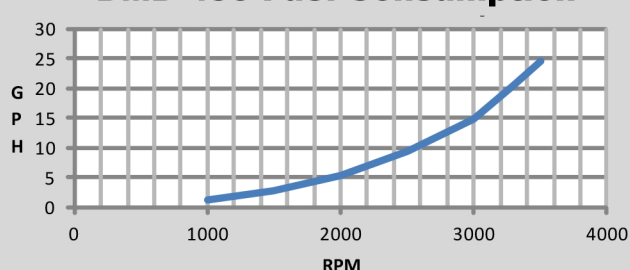
All Performance Diesel DMD Common Rail engines are based on the Duramax 6.6L V8 configuration and are designed to be as compact and light weight as possible while maintaining durability as well as serviceability. The DMD-450 is intended for light high speed vessels and has a light duty rating (medium duty as an option). Laptop based diagnostics tool is available for all DMD engines via J1939 and NEMA2000 CAN communication.



DMD-450 Torque



DMD-450 Fuel Consumption



General Data

Model..... DMD-450
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@2000rpm – psi..... 30-45
Oil pressure at low idle – psi..... 12
In pan oil max temperature °C..... 120

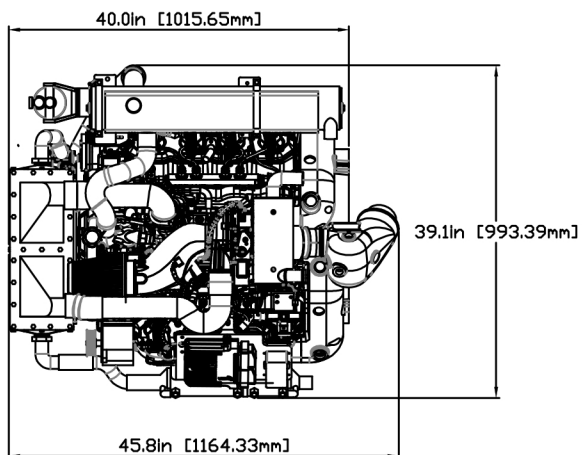
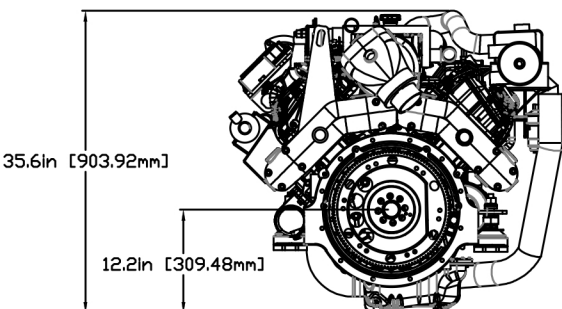
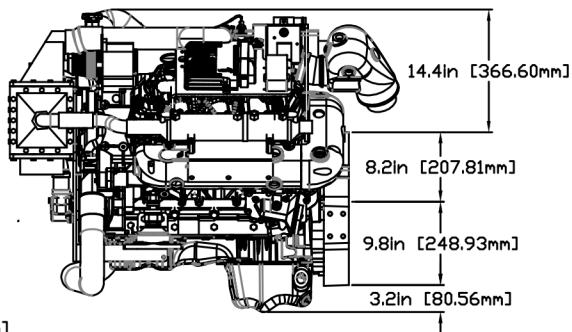
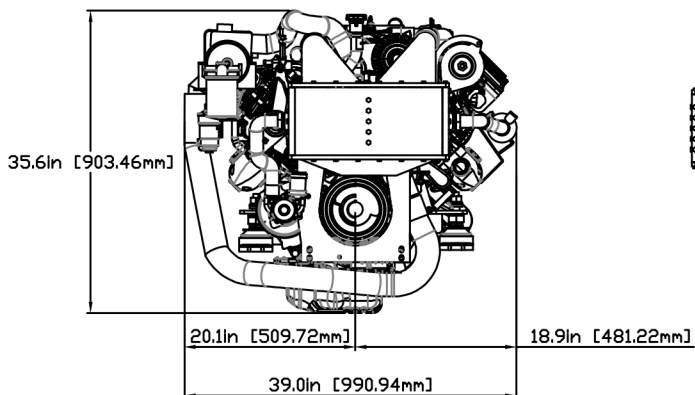
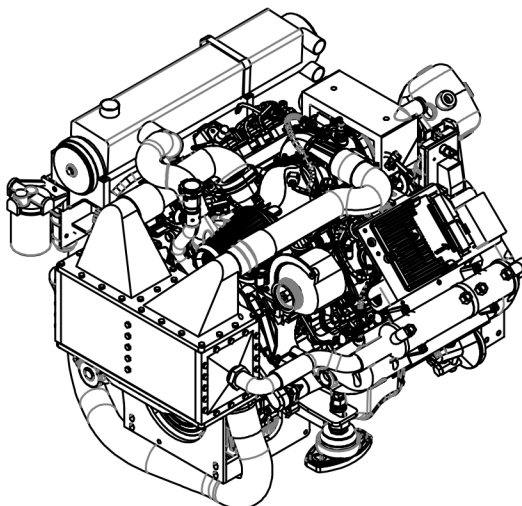
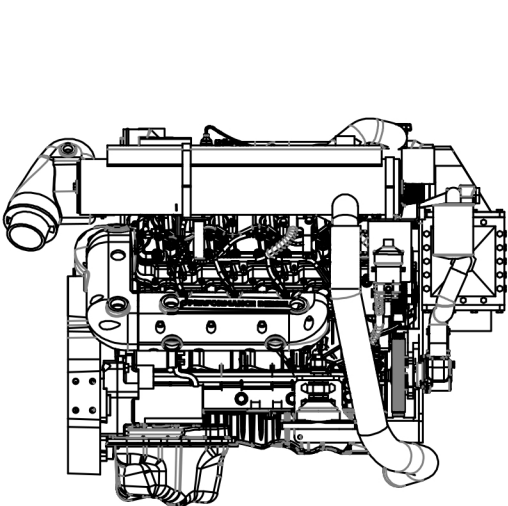
Exhaust System

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.