



MD300 Hammerhead

224 bkW (300 bhp)@3200rpm



Specifications: _____.

Engine type.....V8
 Injection typeIDI
 Displacement..... 6.5L
 Bore X stroke.... 103 X 97 mm
 Compression ratio..... 18:1
 Firing order1-8-7-2-6-5-4-3
 Rotation from flywheelcounterclockwise
 Oil pressure (hot)6psi min@idle
 Oil pressure (hot).....30-43psi min@2000rpm
 Operating Temperature.....70C
 Injection System.....Stanadyne Mechanical
 Cooling system.... Closed cooling
 Boost system..... Lysholm Supercharger
 Exhaust system 356 alu w A4 ss raiser
 Dry weight.....430kg
 Oil Change intervals250 hrs
 Emissions EC 2003/44 pend.

Marinediesel's line of commercial engines are based on the proven Humvee military engine. It combines cast iron engine block and heads with Stanadyne mechanical fuel system for maximum durability and serviceability while maintaining an extremely compact configuration with a 6.5L large swept volume. This fully mechanical engine will meet future comprehensive emissions requirements to be introduced in Europe in 2006 and the US for 2007.

STANDARD ENGINE EQUIPMENT

Air Intake system:

Air filter with integrated crankcase ventilation system.

Alternator:

12 volt 105 ampere standard, 24 volt systems available as option.

Governor control system:

Mechanical governor

Oil lubrication system

Remote twin oil filters, closed crankcase ventilation system.

Mounting system

Adjustable mounts

Warning systems

Water temperature and oil pressure alarm system.



Cooling system:

Belt driven seawater pump, 9" oil cooler, closed cooling system.

Flywheel housing

Borg Warner

Boost system:

Lysholm mechanical positive displacement supercharger system, sea water intercooler.

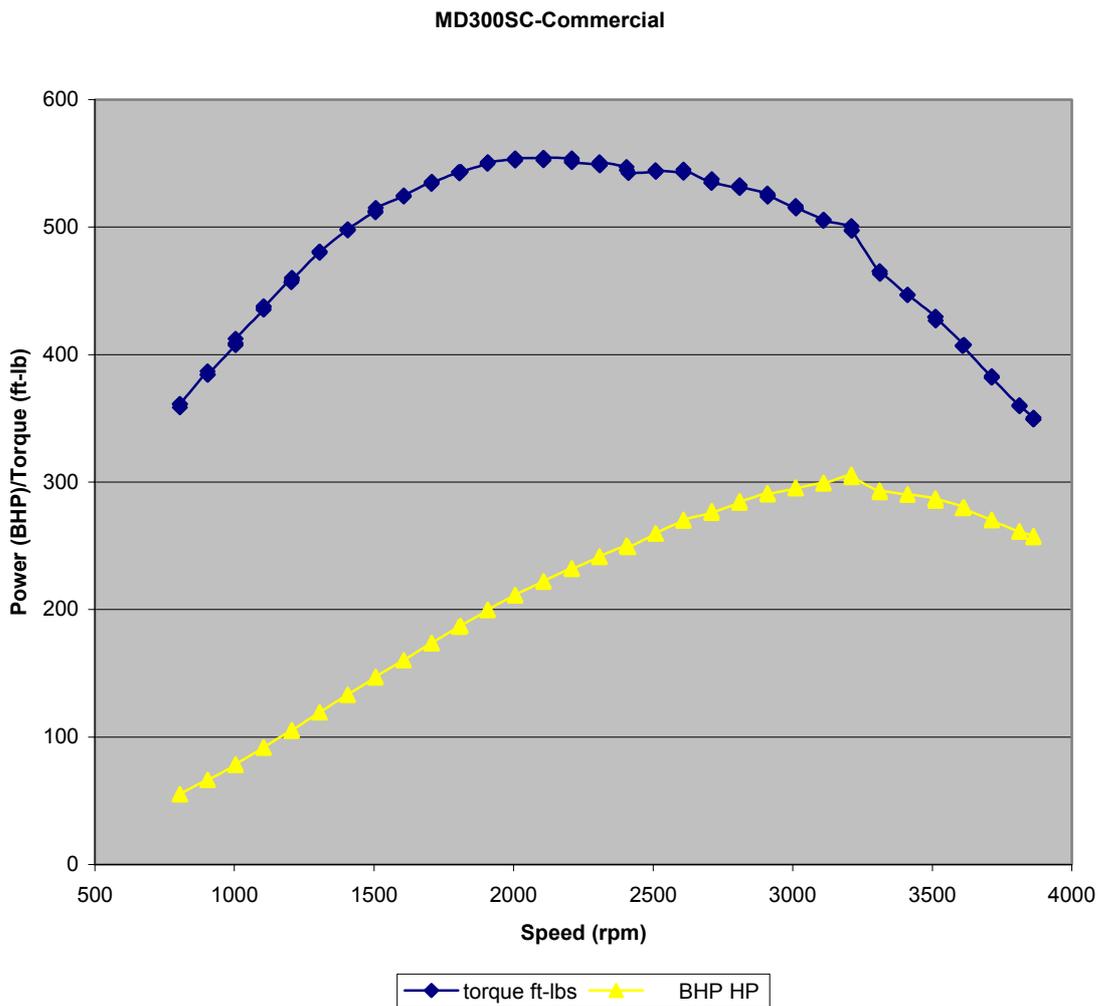
Starting system

Electric starter motor 12 volt (24 v optional)
Topmount starter available as option.

Other:

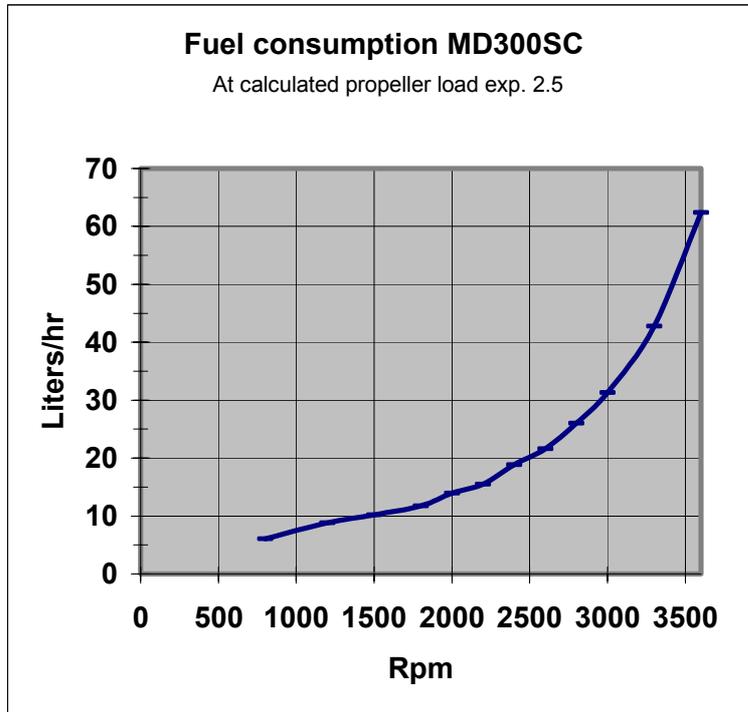
MD Marine paint (black standard, others available), front and rear lifting eyes.

Power/Torque Curve





Fuel Curve



Standard Duty Rating:

L LIGHT DUTY COMMERCIAL

For commercial vessels or craft with high demands on speed and acceleration, planing or semi-planing hulls in cyclical operation. Typical boats: Fast patrol, rescue, police, light fishing, fast passenger and taxi boats etc. Full power could be utilized maximum 2 h per 12 h operation period. Between full load periods, engine speed should be reduced at least 10 % from the obtained full load engine speed.

Optional Duty Rating*:

M MEDIUM DUTY COMMERCIAL

For commercial vessels with semiplaning or displacement hulls in cyclical operation. Typical boats: Most patrol and pilot boats, coastal fishing boats in cyclical operation, light trawlers, passenger boats and coastal freighters with shorter trips. Full power could be utilized max 4 h per 12 h operation period. Between full load operation periods, engine speed should be reduced at least 10 % from the obtained full load engine speed.

C CONTINUOUS DUTY COMMERCIAL

For vessels operating at rated load and rated speed up to 100% of the time without interruption or load cycling (80% to 100% load factor). This a SPE Special Purpose Engine option, please contact factory for information.

** Please contact factory for information on optional duty ratings*