



## *MD170 Barracuda*

127 bkW (170 bhp)@3200rpm



### Specifications: \_\_\_\_\_.

Engine type.....V8  
 Injection type .....IDI  
 Displacement..... 6.5L  
 Bore X stroke.... 103 X 97 mm  
 Compression ratio..... 21:1  
 Firing order .....1-8-7-2-6-5-4-3  
 Rotation from flywheel .....counterclockwise  
 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..... Naturally aspirated  
 Exhaust system .....356 alu w A4 ss raiser  
 Dry weight.....410kg  
 Oil Change intervals .....250 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

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#### *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:**

Naturally aspirated..

**Starting system**

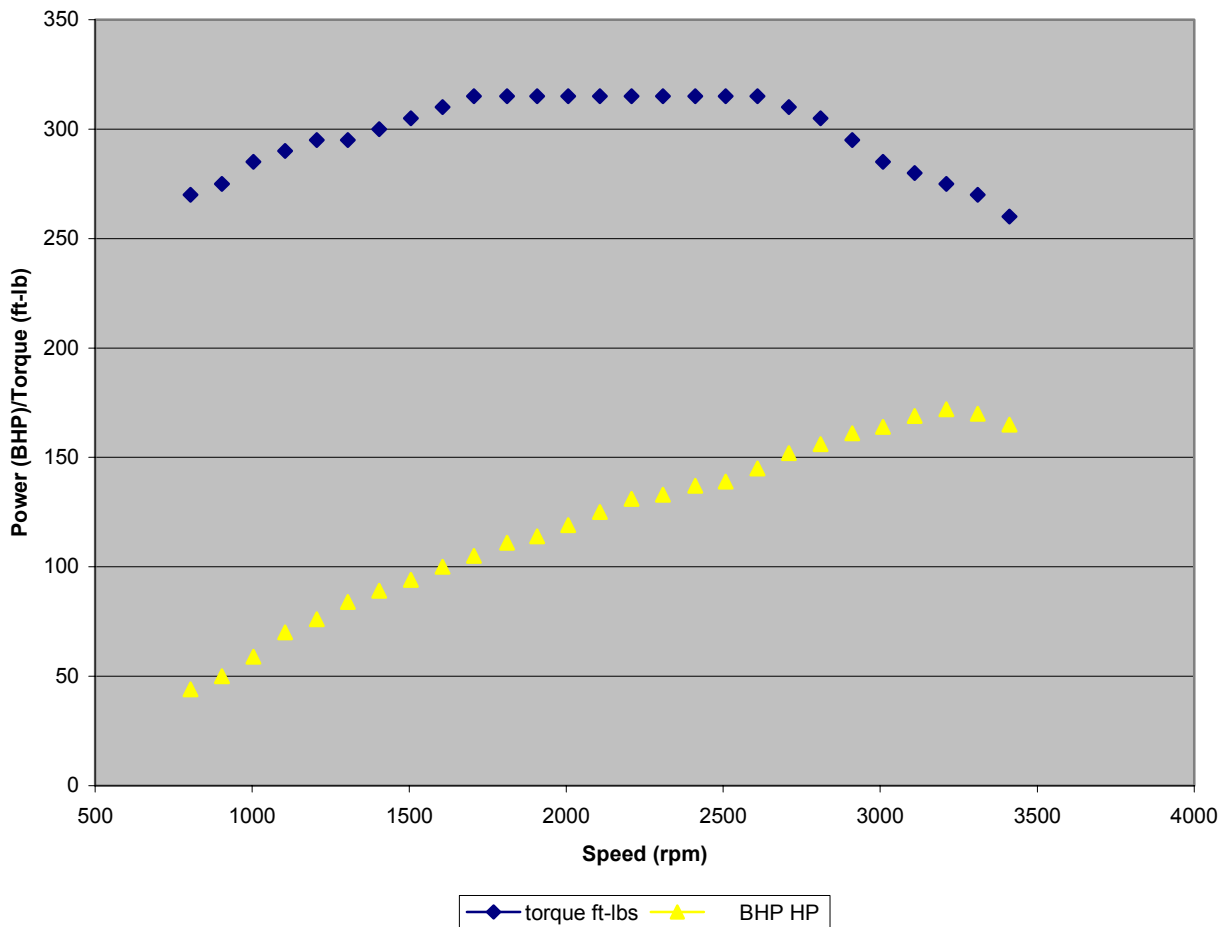
Electric starter motor 12 volt (24 v optional)  
Topmount starter available as option.

**Other:**

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

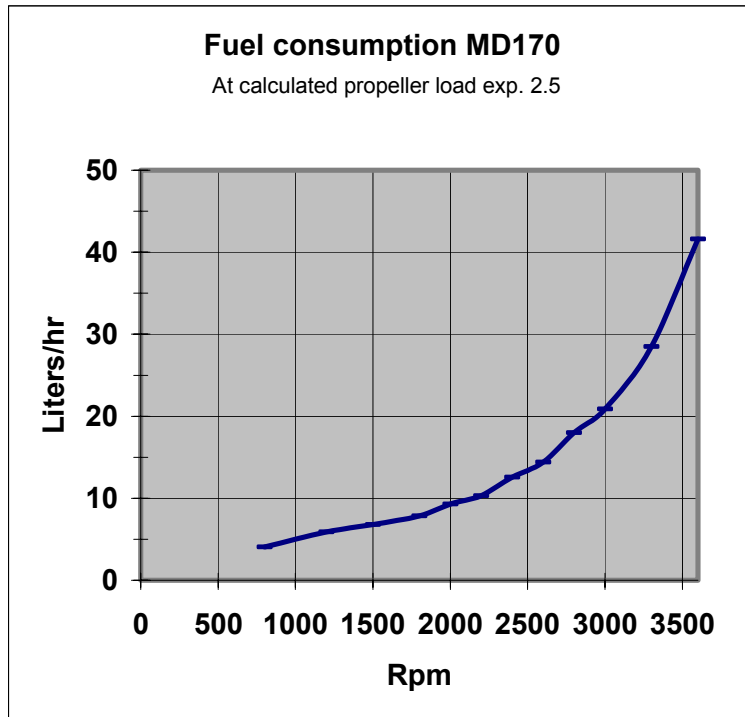
**Power/Torque Curve**

**MD170-Commercial**





### 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*