

► **Specifications**

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500 HP STERNDRIVE • EFI



▼ **Features**

- Precision CNC-machined 502 CID cast-iron cylinder block.
- Forged 4340 steel, fully machined and shot-peened Mercury Racing® connecting rods.
- Forged-aluminum pistons, designed by Mercury Racing, for maximum strength and durability.
- MEFI 3 ignition system precisely controls both idle speed and detonation.
- Multiport fuel injection system incorporates a high-flow throttle body and tuned intake manifold developed exclusively by Mercury Racing.
- A thermostatically controlled, high-capacity oil cooler raises engine oil temperatures faster and keeps them more consistent.
- The oil thermostat and a Positive Crankcase Ventilation (PCV) valve work together to reduce the buildup of condensation in the oil. The PCV valve also improves engine idle.
- A hydraulic roller camshaft, which improves low-end torque, offers higher level of performance and aids fuel economy.
- Standard with 1.26:1, 1.35:1 or 1.50:1 gear ratio Bravo One XR™ drive.
- Dual-water pickup gearcase housing standard with Bravo One XR drive. Optional low-water pickup housing is also available.
- Bravo One XR Sport Master, Bravo One® Short Sport Master and dry-sump Six drive options available.
- Bravo One XR Sport Master gearcases, available in standard or short models, reduce drag for enhanced overall boat performance in select applications.
- Integrated Transom System (ITS) with Bravo One XR and Bravo One XR Sport Master drive options.

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Horsepower (HP/kW)	500/390
Full-Throttle RPM Range	4800 – 5200
Displacement Liter/CID	8.2/502
Bore & Stroke (in)	4.47 x 4.00
Bore & Stroke (mm)	114 x 102
Compression Ratio	8.75:1
Cylinder/Configuration	V-8
Alternator Amp	60
Alternator Watt	847
Fuel System	MPI
Ignition System	Digital
Fuel Requirements	87 Posted Octane (R+M)/2 (92 RON) International
Transmission	(Six) w/Huber 600 Series
Drive Options	Bravo One XR, Bravo One XR Sport Master, Bravo One Short Sport Master, Bravo One XR w/ITS, Bravo One XR Sport Master w/ITS, Bravo One XR Short Sport Master w/ITS, or Dry-Sump Six w/Huber 600
Drive/Gear Ratios	Bravo One XR/Bravo One XR Sport Master (Standard or Short) 1.26, 1.35, 1.50:1
Drive/Gear Ratios	Dry-Sump Six – 1.24, 1.35, 1.50, 1.61:1
Length (in/mm)	39/991
Width (in/mm)	34/857
Height (in/mm)	22/560
Weight (lb/kg)	1113/505
Warranty	1-Year Ltd. for Recreational Boating/3-Year Ltd. Corrosion

EFFECTIVE JULY 2003

Option availability determined by boat manufacturers within their boat model offerings.
All models and specifications are subject to change without notice or incurring obligation to modify previously manufactured products.