



► **Specifications**

**320 HP INBOARD  
FUEL-INJECTED**

▼ **Features**

<ul style="list-style-type: none"> <li>• MerCruiser® MPI engines with SmartCraft® feature the most sophisticated boat/engine data-management system available. This system monitors up to 64 internal and external functions and continuously adjusts the engine operations for optimum performance.</li> <li>• The MX 6.2 MPI™ features the powerful ECM 555, for unmatched engine-management capabilities.</li> <li>• The 555 control module enables boat manufacturers to offer state-of-the-art digital information displays like the Mercury®-exclusive SC5000 System View, a small computer screen that allows the driver to easily monitor and verify real-time engine and boat data.</li> <li>• MerCruiser multiport fuel injection (MPI) system features high-quality marine-specific componentry for unmatched performance and increased throttle response. It also provides dependable turn-key starts, optimized fuel/air distribution to each cylinder, digital electronic spark advance, idle speed control, and automatic adjustment for atmospheric and elevation changes for reliable performance.</li> <li>• Engine Guardian™ proactively monitors and protects your engine from the damaging effects of low oil pressure, high engine pressure, engine over-speed, or low cooling water pressure.</li> <li>• The Engine Guardian system not only detects and alerts you of an engine problem, it automatically reduces power to a safe level that allows you to continue operating.</li> <li>• Technologically advanced roller cam design provides a lower friction coefficient, improves low-end torque, offers higher levels of performance, and aids fuel economy.</li> <li>• High-flow cylinder heads with enlarged intake ports dramatically improve airflow throughout the engine, providing up to 10 – 15 percent greater horsepower output for the same engine displacement.</li> <li>• Dry-joint exhaust system eliminates a potential leak path, reduces buildup of condensation and decreases the threat of water ingestion for longer engine life.</li> <li>• Innovative air-actuated, single-point water drain system is offered as an option. The MerCruiser-exclusive drain system provides a fast, convenient means of draining water from the engine. By eliminating the risk of freezing water, the system enables boaters to extend their boating season into the cold months.</li> <li>• Forged-steel crankshaft and special profile roller camshaft for more power and longer life.</li> <li>• Long-stroke 377CID/6.2L engine customized by MerCruiser for high torque and more horsepower.</li> <li>• MerCruiser water-cooled and insulated fuel system, which eliminates the need for a return line to the fuel tank, helps keep fuel temperatures down and greatly reduces the potential for vapor lock with today's fuels.</li> </ul>	<ul style="list-style-type: none"> <li>• Remote-mounted oil filter places the oil filter within easy reach for simple, clean oil changes.</li> <li>• One-piece serpentine belt means easier servicing, less maintenance, unsurpassed belt life, and requires fewer horsepower to drive the engine accessories.</li> <li>• Remote water-separating fuel filter ensures dependable starts and performance by removing water and solid particles from fuel before they reach the fuel system.</li> <li>• Standard audio alarm system warns of low oil pressure, high water temperature, and excessive transmission temperature, reducing chances of engine or transmission damage.</li> <li>• Closed-cooling system available factory-installed for the ultimate in corrosion protection.</li> <li>• Heavy-duty water-circulating pump uses a stainless steel shaft, bronze impeller and special seal for long life.</li> <li>• Neutral safety start switch permits starting only when transmission is in neutral.</li> <li>• Sealed flywheel housing protects starter from water damage for added resistance to the elements.</li> <li>• High-capacity seawater pump provides up to 32 gal/121L of water per minute to handle even the most rigorous cooling demands.</li> <li>• Top-mounted starter is mounted up high away from bilge water for dependable starting and extended starter life.</li> <li>• Transmission oil cooler controls temperature for optimum transmission operation and extended life.</li> <li>• Color-coded service points for easy identification of key service areas (yellow – engine oil; blue – engine coolant; brown – transmission fluid).</li> <li>• All MerCruiser gasoline engines (500 hp or less) are designed to run on regular 87-octane fuel, instead of premium, making them less expensive to operate.</li> <li>• 3-year/300-hour maintenance interval for most scheduled maintenance on all gas models. Some scheduled and routine maintenance is required more frequently as specified in the engine owner's manual.</li> <li>• All Mercury® engines include a 3-year limited corrosion failure warranty.</li> </ul>
---	---

► **Features**

## 320 HP INBOARD • FUEL-INJECTED

▼ **Specifications**

<b>HP</b>	320
<b>kW</b>	239
<b>SmartCraft</b>	Yes
<b>Displacement Liter/CID</b>	6.2/377
<b>Cylinder/Configuration</b>	V-8
<b>Bore &amp; Stroke (in)</b>	4.0 x 3.75
<b>Bore &amp; Stroke (mm)</b>	101 x 95
<b>Compression Ratio</b>	9.0:1
<b>Fuel System</b>	MPI
<b>Full-Throttle RPM Range</b>	4600 – 5000
<b>Ignition System</b>	ECM 555
<b>Alternator Amp</b>	65
<b>Alternator Watt</b>	917
<b>Length (in/mm)</b>	43/1092
<b>Width (in/mm)</b>	30/740
<b>Height (in/mm)</b>	22/559
<b>Total Weight (lb/kg)</b>	860/390
<b>Transmission Options/Ratios</b>	Velvet Drive 72C: 1.0:1
<b>Transmission Options/Ratios</b>	Velvet Drive 5000A: 1.5/2.0/2.5/2.8:1
<b>Transmission Options/Ratios</b>	Velvet Drive 5000V: 1.5/2.0/2.5:1
<b>Transmission Options/Ratios</b>	ZF Drive 63 A: 1.5/2.0/2.5/2.7:1
<b>Transmission Options/Ratios</b>	ZF Drive 63 IV: 1.5/2.0/2.5:1
<b>Audio Warning System</b>	Standard (Engine Guardian)
<b>Ceramic- and EDP-Coated Exhaust Elbows</b>	Standard
<b>Closed-Cooling</b>	Optional
<b>Color-Coded Service Points</b>	Standard
<b>EDP-Coated and Painted Exhaust Manifold(s)</b>	Standard
<b>Engine Flush Port</b>	Standard
<b>High-Mounted Starter</b>	Standard
<b>Knock Control</b>	Standard
<b>Platinum-Tipped Spark Plugs</b>	Standard
<b>Remote Oil Filter</b>	Standard
<b>Risers 3" and 6"</b>	Optional
<b>Serpentine Belt</b>	Standard
<b>Water-Cooled Fuel System</b>	Standard
<b>Water Drain System</b>	Standard: Three-point manual drain system with blue hand-removable drain plugs. Optional: Air-actuated, single-point drain system – hand air pump included with engine
<b>Water/Fuel Separator</b>	Standard

**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.