

► **Specifications**

## 300 HP INBOARD FUEL-INJECTED



▼ **Features**

- 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.
- The 350 MAG MPI features the powerful ECM 555, for unmatched engine-management capabilities and the availability of SmartCraft integrated systems.
- MerCruiser-exclusive 555 control modules feature high-speed processors that serve as the central components of the SmartCraft Controller Area Network (CAN).
- The multiport fuel injection (MPI) system features high-quality, marine-specific componentry for unmatched performance and increased throttle response.
- Engine Guardian™ monitors all critical engine functions and alerts the operator before damage is done to the engine, for the ultimate in worry-free operation.
- Engine Guardian on SmartCraft models not only detects and alerts the boater of an engine problem, it processes the data and reduces power to a maximum, safe level that allows the boater to continue operation.
- Dry-joint exhaust system eliminates a potential leak path, reduces buildup of condensation and decreases the threat of water ingestion for longer engine life.
- MerCruiser-exclusive optional single-point water drain system allows the operator to drain water from the engine from one, easy-to-reach location for convenience.
- 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.
- Remote-mounted oil filter places the oil filter within easy reach for simple, clean oil changes.
- One-piece serpentine belt means easier servicing, less maintenance, unsurpassed belt life, and requires fewer horsepower to drive the engine accessories.
- Remote water-separating fuel filter ensures dependable starts and performance by removing water and solid particles from fuel before they reach the fuel system.

- Standard audio alarm system warns of low oil pressure, high water temperature and excessive transmission temperature, reducing chances of engine or transmission damage.
- Closed-cooling system available factory-installed for the ultimate in corrosion protection.
- Heavy-duty water-circulating pump uses a stainless steel shaft, bronze impeller and special seal for long life.
- Neutral safety start switch permits starting only when transmission is in neutral.
- High-capacity seawater pump provides up to 32 gal/121L of water per minute to handle even the most rigorous cooling demands.
- Top-mounted starter is mounted up high away from bilge water for dependable starting and extended starter life.
- Transmission oil cooler controls temperature for optimum transmission operation and extended life.
- Color-coded service points for easy identification of key service areas (yellow – engine oil; blue – engine coolant; brown – transmission fluid).
- Sealed flywheel housing protects starter from water damage for added resistance to the elements.
- A brass seawater pump provides increased protection from corrosion for longer engine life and less overall maintenance.
- 65-amp/917-watt alternator fully charges the battery for dependable starting with extra capacity to handle additional electrical accessories. Alternator is located high on the engine to avoid water contamination.
- 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.
- 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.
- All Mercury® engines include a 3-year limited corrosion failure warranty.

# 350 MAG MPI

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<b>HP</b>	300
<b>kW</b>	224
<b>SmartCraft</b>	Yes
<b>Displacement Liter/CID</b>	5.7/350
<b>Cylinder/Configuration</b>	V-8
<b>Bore &amp; Stroke (in)</b>	4.0 x 3.48
<b>Bore &amp; Stroke (mm)</b>	101 x 88
<b>Compression Ratio</b>	9.4:1
<b>Fuel System</b>	MPI
<b>Full-Throttle RPM Range</b>	4400 – 4800
<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 71C: 1.0:1
<b>Transmission Options/Ratios</b>	Velvet Drive 72C; 1.0:1
<b>Transmission Options/Ratios</b>	Velvet Drive 5000A: 1.25/1.5/2.0/2.5/2.8:1
<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 w/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.