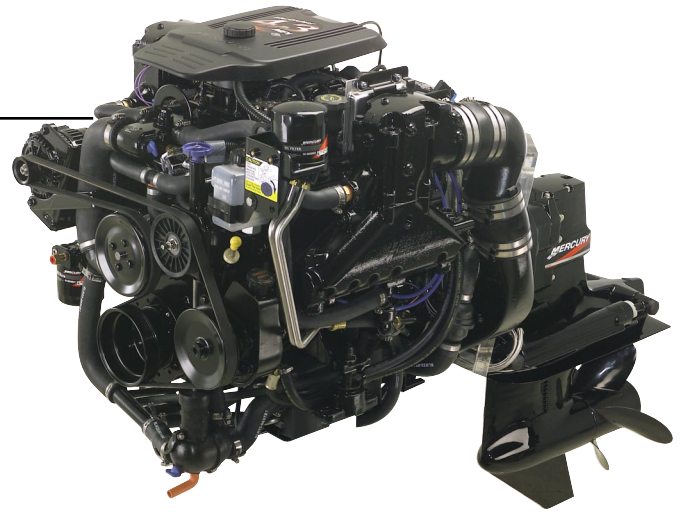


4.3 MPI



► **Specifications**

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FOR **ENGINE**
VIDEO TOUR!

220 HP STERNDRIVE FUEL-INJECTED

▼ **Features**

<ul style="list-style-type: none"> • New shift plate designs and cables provide smoother, lower-effort shifting. • Further enhancing the standard MerCathode® corrosion protection, all Bravo Three® drives feature additional protective anodes on the anticavitation plate and propshaft. • All Alpha® drive models now feature the proven Bravo®-style maintenance-free hinge pins. • Sterndrive offerings include Alpha, Bravo Two® and Bravo Three. • 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 4.3 MPI features the powerful ECM 555 for unmatched engine-management capabilities. • 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. • Engine Guardian™ proactively monitors and protects your engine from the damaging effects of low oil pressure, high engine temperature, engine over-speed, or low cooling water pressure. • 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. • Multiport injection system provides dependable turn-key starts, optimized fuel/air distribution, digital electronic spark advance, idle speed control, and automatic adjustment for atmospheric and elevation changes for reliable performance. • The multiport fuel injection (MPI) system features high-quality, marine-specific componentry for unmatched performance and increased throttle response. • MerCruiser-exclusive single-point water drain system (optional on Bravo® models) allows the operator to drain water from the engine from one, easy-to-reach location for convenience. • Dry-joint exhaust system eliminates a potential leak path, reduces buildup of condensation and decreases the threat of water ingestion for longer engine life. • Exclusive easy oil drain system simplifies routine maintenance, allowing engine oil to be drained through a hose that exits the boat's standard drain plug hole. • 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. Along with the easy oil drain system, MerCruiser MPI engines bring simplified maintenance to a new level. 	<ul style="list-style-type: none"> • Audio Warning System is mounted under the dash near the driver making it easier to hear at higher speeds. This system alerts the operator of low oil pressure, high engine temperature, excessive transmission temperature (inboards), and low drive lubricant (sterndrives). • MerCruiser MPI models feature platinum-tipped spark plugs for extended life and reduced routine maintenance. • Color-coded service points for easy identification of key service areas (yellow – engine oil; black – drive oil; blue – engine coolant; brown – power steering fluid). • One-piece serpentine belt means easier servicing, less maintenance, unsurpassed belt life, and requires fewer horsepower to drive the engine accessories. • To accommodate the narrow confines of a pontoon boat's center-pod engine compartment, MerCruiser developed a tilt helm hydraulic steering system with hydraulic cylinders on the transom. • The compact hydraulic steering option greatly reduces the overall width of a standard sterndrive installation. • Compact hydraulic steering is offered as a factory-installed option. • 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 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. • Mercury Propellers® offers a line of 3-, 4-, and 5-blade propellers engineered specifically for MerCruiser sterndrives. With 14 unique aluminum and stainless steel propeller styles and over 200 pitch options, it's easy to find the right propeller. • Exclusive drive lube monitor is conveniently located on top of all gas sterndrive engines for easy access and allows the lubricant to be checked from inside the boat. • Drive fluid level is easily checked through the translucent bottle design and is electronically monitored through the Audio Warning System (optional on 3.0L) or SmartCraft monitor (SmartCraft models only). • Maintenance-free Permalube® U-joints eliminate the need for periodic lubrication. Now standard on the Alpha, Bravo One®, Bravo Two, and Bravo Three drives. • MerCathode (standard on Bravo models and kit on Alpha models) and optional closed-cooling offer the ultimate in corrosion protection. • Greasable drive coupler can be lubricated from inside the boat, simplifying routine maintenance. • Through-prop exhaust buries noise underwater for a quieter ride. • All Mercury® engines include a 3-year limited corrosion failure warranty.
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4.3 MPI

► **Features**

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220 HP STERNDRIVE • FUEL-INJECTED

Specifications

HP	220
kW	164
SmartCraft	Yes
Displacement Liter/CID	4.3/262
Cylinder/Configuration	V-6
Bore & Stroke (in)	4.0 x 3.48
Bore & Stroke (mm)	101 x 88
Compression Ratio	9.4:1
Fuel System	MPI
Full-Throttle RPM Range	4400 – 4800
Ignition System	ECM 555
Alternator Amp	65
Alternator Watt	917
Length (in/mm)	28/696
Width (in/mm)	30/740
Height (in/mm)	22/559
Drive Options	Alpha, Bravo Two, Bravo Three
Drive/Gear Ratios (primary/optional/high-altitude)	Alpha 1.62/1.47/1.81:1
Drive/Gear Ratios (primary/optional/high-altitude)	Bravo Two 2.2/2.0/-:1
Drive/Gear Ratios (primary/optional/high-altitude)	Bravo Three: 2.2/2.43/-:1
Total Weight (lb/kg)	Alpha: 865/393
Total Weight (lb/kg)	Bravo Two: 912/414
Total Weight (lb/kg)	Bravo Three: 921/419
Audio Warning System	Standard (Engine Guardian)
Ceramic- and EDP-Coated Exhaust Elbows	Standard
Closed-Cooling	Optional
Color-Coded Service Points	Standard
Compact Hydraulic Steering	Optional
Easy Oil Drain System	Standard
Exhaust Manifold(s)	EDP-Coated and Painted Cast Iron
Knock Control	Standard
MerCathode	Kit (Alpha)/Standard (Bravo)
Platinum-Tipped Spark Plugs	Standard
Power Steering	Standard
Remote Oil Filter	Standard
Risers 3"	Optional
Serpentine Belt	Standard
Water-Cooled Fuel System	Standard
Water Drain System	Alpha: Manual single-point drain w/rotary valve control located on front. Alpha/Bravo Opt.: Hand-removable plugs on port, starboard and front. Bravo: 3-point manual system with drain plugs. Bravo Opt.: Air-actuated, single-point system, pump included
Water/Fuel Separator	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.

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