

► Specifications

**220 HP STERNDRIVE
CARBURETED**



▼ 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 One®, Bravo Two®, and Bravo Three drives. • Thunderbolt® V Hi-Energy Ignition optimizes timing, provides easier starting, and increased stability for better overall responsiveness and improved performance. • The Thunderbolt V Hi-Energy Ignition continually adjusts the timing for optimum midrange performance and fuel economy. A rev limiter is standard along with an electronic idle control, which aids in low-speed operation and eliminates shifting stalls. • To make winterization easier, color-coded drain plugs are on engine blocks, exhaust manifolds and the circulating pump hose. The blue drain plugs are hand-removable and require no tools. • Exclusive easy oil drain system simplifies routine maintenance, allowing engine oil to be drained through a hose that exits through the boat's standard drain plug hole. • Dry-joint exhaust system eliminates a potential leak path, reduces buildup of condensation and decreases the threat of water ingestion for longer engine life. • Standard audio alarm system warns of low oil pressure, high water temperature and low drive unit lubricant level, reducing chances of engine or drive damage. • Platinum-tipped spark plugs provide superior performance and require less 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). • A 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. 	<ul style="list-style-type: none"> • Compact hydraulic steering is offered as a factory-installed option. • Technologically advanced roller cam design provides a lower friction coefficient, improves low-end torque, offers higher levels of performance, and aids fuel economy. • 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. • A 65-amp/917-watt alternator system provides plenty of power to keep batteries charged and to run electronic accessories. The alternator is located high on the engine to eliminate water contamination. • Standard antifeedback power steering unit significantly reduces steering feedback for increased boating pleasure. • Through-prop exhaust buries noise underwater for a quieter ride. • 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. • Maintenance-free Permalube® U-joints eliminate the need for periodic lubrication. Now standard on the Alpha, Bravo One, Bravo Two, and Bravo Three drives. • 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). • Greasable drive coupler can be lubricated from inside the boat, simplifying routine maintenance. • MerCathode (standard on Bravo models and kit on Alpha models) and optional closed-cooling offer the ultimate in corrosion protection. • All Mercury® engines include a 3-year limited corrosion failure warranty.
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► **Features**

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HP	220
kW	164
Displacement Liter/CID	5.0/305
Cylinder/Configuration	V-8
Bore & Stroke (in)	3.74 x 3.48
Bore & Stroke (mm)	95 x 88
Compression Ratio	9.4:1
Fuel System	2V Carb
Full-Throttle RPM Range	4400 – 4800
Ignition System	Thunderbolt V
Alternator Amp	65
Alternator Watt	917
Length (in/mm)	32/813
Width (in/mm)	30/740
Height (in/mm)	22/559
Drive Options	Alpha, Bravo One, Bravo Two, Bravo Three
Total Weight (lb/kg)	Alpha : 946/430
Total Weight (lb/kg)	Bravo One: 987/449
Total Weight (lb/kg)	Bravo Two: 1004/456
Total Weight (lb/kg)	Bravo Three: 1013/460
Drive/Gear Ratios (primary/optional/high-altitude)	Alpha: 1.62/-/1.81:1
Drive/Gear Ratios (primary/optional/high-altitude)	Bravo One: 1.65/1.5/-/: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
Audio Warning System	Standard
Ceramic- and EDP-Coated Exhaust Elbows	Standard
Circulating Pump Hose Drain	Standard
Color-Coded Service Points	Standard
Compact Hydraulic Steering	Optional
Easy Oil Drain System	Standard
EDP-Coated and Painted Cast-Iron Manifold(s)	Standard
Engine Flush Port	Kit
MerCathode	Kit (Alpha)/Standard (Bravo)
Platinum-Tipped Spark Plugs	Standard
Power Steering	Standard
Remote Oil Filter	Kit
Risers 3" (factory-installed)	Optional
Serpentine Belt	Standard
Water Drain System	Alpha/Bravo Standard: Multiple blue hand-removable drain plugs located on port, starboard and front of engine
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.