

MERCURY
MerCruiser



Petrol Sterndrives & Inboards

www.marinepower.com

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Number One In Every Way



After more than 40 years, Mercury MerCruiser is still taking the water by storm.

Still supreme in marine propulsion and with well over 2.5 million customers to prove it. MerCruiser: still number one in every way.

MerCruiser petrol engines start at 135HP and run through to 900HP of sheer exhilaration.

Whatever your boating choice – whether you run a hot sportsboat, spirited runabout, fine family cruiser, serious fishing craft or hard driven workboat – MerCruiser provides the big-power pleasure and reliability.

MERCURY
MerCruiser



Mercury MerCruiser provides the power. You can depend on it.



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*The most advanced control system
in the marine world*

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- 350 Magnum MPI Horizon
- MX6.2 MPI
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Advanced Technology

Multi-port fuel injection drawn from MerCruiser's racing heritage



Outstanding Value

Highly responsive big-value carbureted alternatives



More Pull

Inboard and tow sports specials that are runaway favourites



Widest Choice

Three out of four sterndrives worldwide are from MerCruiser



Smart Power

Leading-edge SmartCraft integrated total vessel intelligence

Knowledge Is Power



Mercury MerCruiser wanted to give you absolute control whenever you're on the water. The result is SmartCraft, the world's most advanced marine control system.

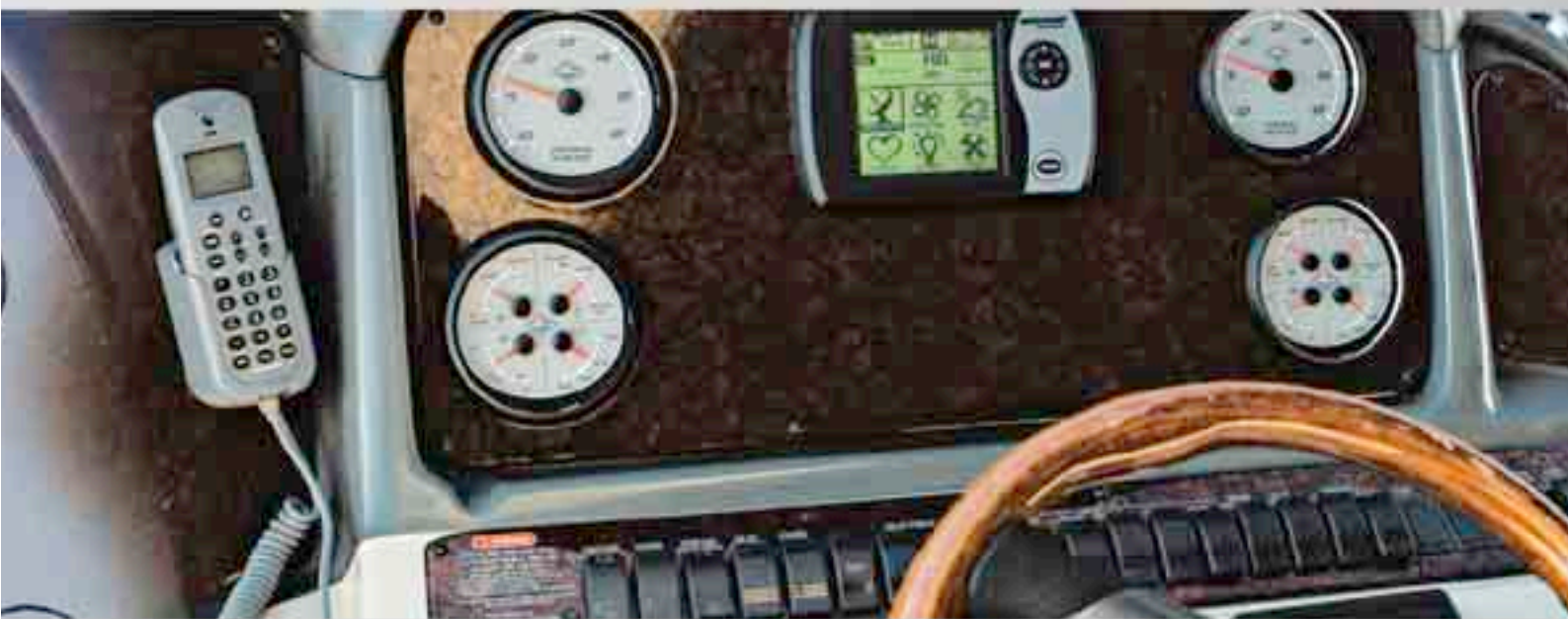
SmartCraft brings together power, technology and information into the boating world's most sophisticated total vessel intelligence system. Knowledge is power and SmartCraft, together with your big block MerCruiser petrol engine, makes you lord and master of your boat.

Fuel flow; consumption rates; estimated range; air, water and engine temperatures; battery charging; current speed; maintenance and service advice – all are monitored for you by SmartCraft. Boating doesn't get any smarter than this.

SmartCraft is a total boating system for total boating control. Always look for the SmartCraft diamond.



SmartCraft is available on big-block MerCruiser petrol engines fitted with a Mercury PCM engine controller.



SmartCraft Features



SC1000 System Tachometer and Speedo gauges combine the functions of as many as seven instruments into two.



SmartCraft DTS (digital throttle & shift system) brings total precision to engine throttle and gear shifting. This is unprecedented smoothness.



Control

Digital unit on the engine's electronic controller gathers data from around the boat



Analysis

SmartCraft analyses the data to give you precisely the information you need



Simplicity

Simple to install multi-function gauges and easy-to-read system monitor



Safety

Integral Engine Guardian scouts for potential problems so you can take action



Convenience

TrollControl maintains your idling speed in any kind of water



MPI Sterndrives

Larger Than Life



The exclusive Mercury MerCruiser family of electronic multi-port fuel injection (MPI) petrol performers borrows the very best technology from a winning racing heritage and makes it available to pleasure boaters the world over. These include the advanced technology MX6.2 and 496 Magnum models, not just new but light years ahead.

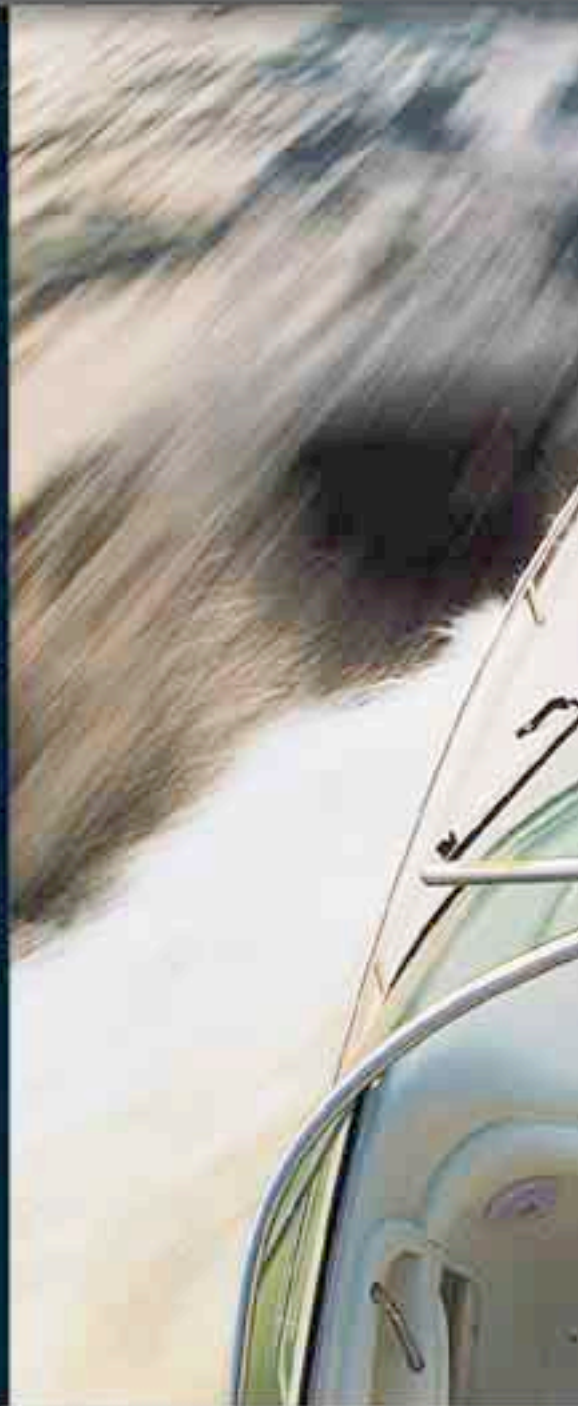
To take the 496 Magnum MPI and high output 496 Magnum MPI HO as examples, they feature Mercury's PCM processor. This optimises fuel delivery, knock control and ignition timing independently for each cylinder, resulting in precise performance. There are unprecedented levels of control via the SmartCraft integrated management system. High specification components throughout are designed for best-possible robustness and extended life. This is great MerCruiser performance with no holding back.

MULTI-PORT FUEL INJECTION SYSTEM

- Similar to automotive systems, MPI injects fuel to an intake port adjacent to each cylinder.
- Commands given by the high-speed engine control module are accomplished more quickly and with extreme accuracy.
- Results are a precisely tuned and more efficient engine which offers exceptional acceleration, throttle response and dependable turnkey starting.
- Exclusive to Mercury MerCruiser and 15 years in research and development.



The MerCruiser MPI system has been refined to provide you with a finely tuned, efficient engine.



Carburetor Sterndrives

Outstanding Value Per Horsepower

Mercury MerCruiser's highly responsive, big-value carbureted petrol power runs from 135HP propshaft to 250HP, with a choice of four universally popular sterndrive models, all with excellent power-to-weight ratios.

These carburetor MerCruisers are outstanding value per horsepower. Up to 15% more power per engine is provided by the high flow cylinder heads, which greatly improve the fuel/air distribution. This is the best technology around for affordable, ever-reliable performance boating.

ULTIMATE CORROSION PROTECTION

- *Critical components such as driveshafts and propshafts are made from high-grade stainless steel, providing outstanding resistance to saltwater.*
- *Proprietary XK-360 low-copper aluminium alloy is used, protected by a multi-step cleaning and coating process.*
- *Painting is by computer-controlled electro-deposition (EDP). Components are dipped in electrically-charged epoxy and acrylic paints. Baking between coats seals the metal. A final coat is sprayed on using statically-charged acrylic powder paint.*
- *EDP painting uses electrical charges to draw paint into every crevice, inside and out. Ceramic coating increases the durability of cast iron parts.*



CARBURETOR STERNDRIVES



MerCathode neutralises and blocks corrosive galvanic currents, protecting the sterndrive's underwater hardware.





Tow Sports & Inboards

Giving You More Pull

Mercury MerCruiser's petrol inboards and towboat sports specials are runaway favourites with boaters worldwide. Skiers in the know, from world class tournament winners to happy weekenders, know that getting the most from their sport means harnessing MerCruiser, the biggest in power and best in drive trains.

Options for 2004 include big block levels of power from the high-revving MX6.2 and the sophisticated 8.1 litre family, with entirely new engine management system. The pure power and extended maintenance of the Horizon series, at 300HP, 320HP and 370HP propshaft, are the ultimate combination for the serious boater. Built for performance and efficiency, the Horizons require scheduled servicing at longer intervals. There are also excellent value 5.7 litre carburetor Tow Sports and inboard models.

HIGH SPECIFICATIONS & EXTENDED LIFE

- *Thunderbolt V hi-energy ignition system provides carburetor models with digital electronic spark advance for best responsiveness and overall reliability.*
- *PCM electronic control module features advanced electronics for more precise fuel and spark control plus top-end throttle response on 8.1S Multiport fuel injected models.*
- *Ceramic coated exhaust elbows and manifolds provide the ultimate in corrosion protection.*
- *High specification components throughout have been designed for best-possible robustness and extended life.*



Quicksilver offers a full line of life vests to keep you safe. There are skis, wakeboards and just about everything else you might need to get the most out of your leisure time on the water.



Mercury Racing

Feel The Need For Speed

Nobody has come close to matching the Mercury MerCruiser passion for speed. That's because no one else has ever matched the commitment to power and innovation. The Mercury Racing line-up incorporates the latest technology for making the fastest power on the water better still. Like the all-new Integrated Transom System with its seven-inch setback, integral power steering and strengthened gimbal bracket, providing unsurpassed performance and outstanding durability.

The Scorpion 377, for instance, is the premier inboard technology on the water today, combining awesome force with smooth performance and sure-fire operation. Its computerised fuel injection delivers amazing response, its digital ignition system features advanced electronics for precision and throttle effect, and the massive 90mm throttle body and innovative air intake system produce over 365 foot-pounds of hole-shooting torque. Turning boating dreams into reality.

POWER & INNOVATION

- The HP500 EFI and HP575 SCi are built up from precision CNC-machined cast-iron cylinder blocks. They feature 4340 steel, fully-machined and shot-opened Mercury Racing H-Beam connecting rods.
- The HP525 EFI has Edelbrock aluminium cylinder heads, designed exclusively for the engine, forged crankshaft and aluminium pistons, multiport fuel injection with high-flow throttle body, flame arrestor and longer exhaust runners, plus low maintenance closed cooling.
- Bravo One XZ and XR drives share enhancements such as dual water pickup and low water pickup housings.





A one-piece serpentine belt system requires less horsepower to drive the engine accessories, is easier to service, needs less maintenance and provides unsurpassed belt life.



STERNDRIVES

	3.0L	4.3L	4.3L MPI	5.0L	5.0L MPI	5.7L	350 MAG MPI	350 MAG MPI HORIZON	MX 6.2 MPI	MX 6.2 MPI HORIZON	496 MAG	496 MAG HO	5.7L	350 MAG MPI
Propshaft HP/kW*	135/101	190/142	220/164	220/164	260/194	250/186	300/224	300/224	320/239	320/239	375/280	425/317	260/194	300/224
Displacement Liter/CID	3.0/181	4.3/262	4.3/262	5.0/305	5.0/305	5.7/350	5.7/350	5.7/350	6.2/377	6.2/377	8.1/496	8.1/496	5.7/350	5.7/350
Cylinders	L-4	V-6	V-6	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8
Bore & Stroke (mm)	101/91	101/88	101/88	95/88	95/88	101/88	101/88	101/88	101/95	101/95	108/111	108/111	101/88	101/88
Compression Ratio	9.3:1	9.4:1	9.4:1	9.4:1	9.4:1	9.4:1	9.4:1	9.4:1	9.0:1	9.0:1	9.1:1	9.1:1	9.4:1	9.4:1
Fuel System	2V Carb	2V Carb	MPI	2V Carb	MPI	2V Carb	MPI	MPI	MPI	MPI	MPI	MPI	2V Carb	MPI
Full Throttle RPM Range	4400-4800	4400-4800	4400-4800	4400-4800	4600-5000	4400-4800	4600-5000	4600-5000	4800-5200	4800-5200	4400-4800	4600-5000	4200-4600	4400-4800
Ignition Type	EST Analog	Thunderbolt V	ECM 555	Thunderbolt V	ECM 555	Thunderbolt V	ECM 555	ECM 555	ECM 555	ECM 555	PCM 555 Distributorless	PCM 555 Distributorless	Thunderbolt V	ECM 555
Alternator Amp.	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Length* (cm)	73	69.6	69.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	88.9	88.9	109.2	109.2
Width (cm)	66	74	74	74	74	74	74	74	74	74	83.8	83.8	74	74
Height* (cm)	53.3	53.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	61	61	55.9	55.9
Weight* (kg)	-	-	-	-	-	-	-	-	-	-	-	-	400	390
Weight* (kg) Alpha	288	385	393	430	433	430	433	-	-	-	-	-		
Weight* (kg) Bravo One	-	-	-	449	451	449	451	475	451	475	544	544 (Bravo 1X)		
Weight* (kg) Bravo Two	-	405	414	456	459	456	459	482	459	482	553	551 (Bravo 2X)		
Weight* (kg) Bravo Three	-	410	419	460	463	460	463	486	463	486	557	556 (Bravo 3X)		

Notes:

STRENGTH IN NUMBERS Most Sterndrives Are MerCruiser

Three out of four sterndrives sold worldwide are produced by Mercury MerCruiser. It's the most diverse range of sterndrives on the water. Single propeller and twin propeller. Drives for runabouts, for performance craft of all shapes and sizes, for family cruisers, for competition. There's strength in MerCruiser's numbers.



ALPHA

Straightforward, solid, versatile, fast and the biggest-selling sterndrive of all time. The ideal for runabouts and small cruisers.



BRAVO TWO

The favourite drive for big family cruisers, getting on plane quickly then facilitating lower engine revolutions for superior fuel economy.



BRAVO ONE

This famous drive excels under the high stress requirements of performance boats. Heavy duty, yet entirely hydrodynamic.



BRAVO THREE

The leader in twin, counter-rotating propeller sterndrives, designed for rail-like holding through turns and still faster acceleration.



INBOARDS

TOW SPORTS

RACING

350 MAG MPI HORIZON		MX 6.2 MPI HORIZON	8.1s MPI HORIZON	8.1s HO	5.7L	350 MAG MPI	MX6.2 MPI	BLACK SCORPION	MX6.2 BLACK SCORPION	SCORPION 377	HP 500 EFI	HP 525 EFI	HP 575 SCi	HP 900 SC
300/224	320/239	320/239	370/276	420/313	270/201	315/235	320/239	330/246	340/254	377/294	500/390	525/410	575/449	900/702
5.7/350	6.2/377	6.2/377	8.1/496	8.1/496	5.7/350	5.7/350	6.2/377	5.7/350	6.2/377	6.2/377	8.2/502	8.2/502	8.2/502	8.9/542
V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8	V-8
101/88	101/95	101/95	108/111	108/111	101/88	101/88	101/95	101/88	101/95	102/95	114/102	114/102	114/102	113/111
9.4:1	9.0:1	9.0:1	9.1:1	9.1:1	9.4:1	9.4:1	9.0:1	9.4:1	9.0:1	9.0:1	8.75:1	8.75:1	7.50:1	8.03:1
MPI	MPI	MPI	MPI	MPI	2V Carb	MPI	MPI	MPI	MPI	MPI	MPI	MPI	2 x TBI	2 x 1050 CFM 4 Bbl
4400-4800	4600-5000	4600-5000	4200-4600	4400-4800	4400-4800	4600-5000	4800-5200	4800-5200	4800-5200	4800-5200	4800-5200	4800-5200	4800-5200	5800-6000
ECM 555	ECM 555	ECM 555	PCM 555 Distributorless	PCM 555 Distributorless	Thunderbolt V	ECM 555	ECM 555	ECM 555	ECM 555	Digital	Digital	PCM 555 Distributorless	Digital	Thunderbolt CD
65	65	65	65	65	65	65	65	65	65	65	60	65	60	65
109.2	109.2	109.2	119.4	119.4	109.2	109.2	109.2	109.2	109.2	-	-	-	-	-
74	74	74	83.8	83.8	74	74	74	74	74	-	-	-	-	-
55.9	55.9	55.9	61	61	55.9	55.9	55.9	53.3	53.3	-	-	-	-	-
427	390	431	513	513	379	369	373	373	373	441	505	545	528	734

(1) Power rated in accordance with NMMA procedure SAEJ1228 (ISO 3046) and declared according to ISO 8665. The declaration of incorporation for EMC and Recreational Craft Directives is stated on the green wire tag which is attached to each engine. (2) Gear ratios, size and weight available upon request. (3) Taken from forward end of engine to centerline of transom on sterndrives and on inboards from forward end of engine to aft-most portion on transmission. Rounded up, see MerCruiser installation manuals for details. (4) Taken from crankshaft centerline on sterndrives and inboards. Rounded up, see MerCruiser installation manuals for details. (5) Approximate total dry engine and drive weights (kg). Individual units may vary slightly. All models and specifications are subject to change without notice or incurring obligation to modify previously manufactured products. Some engines shown may have optional equipment and accessories.

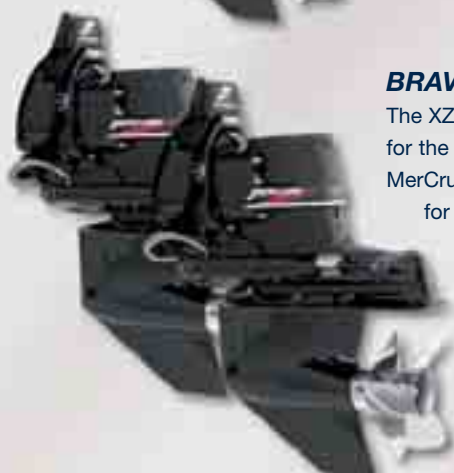


**Integrated Diesel
Propulsion From
Two Industry Leaders**



BRAVO X

Designed specially for big block 8.1-litre engines, this is a super-strength drive with high performance attributes.



BRAVO XZ & XR

The XZ is designed specially for the high performance MerCruiser engines and the XR for the racing big block engines.

Two marine industry leaders, Mercury MerCruiser and Cummins Marine, have come together to create the next generation of diesel propulsion for pleasure boats and commercial applications.

Cummins MerCruiser Diesel has been formed to become the pre-eminent global supplier of integrated diesel propulsion: the first prop-to-helm performance source.

What does it mean for you? Diesel power that will blast you out of the hole. Power to respond to your every command. Power to deliver the cruising speed, durability and fuel efficiency that you should expect from world-class diesel systems. Power to count on, every time.

Power from Cummins MerCruiser Diesel.

Genuine Parts Keeping Your Engine Running As Factory New

When you are the proud owner of one of the best marine engines in the world, you want to be sure you are maintaining it with the best parts and accessories available – Quicksilver. It is a premium line of engine parts, accessories, oils, lubricants and engine-care products that are designed, built and tested to the same high quality standards of performance and corrosion resistance as your engine. Regular maintenance using these specially engineered Quicksilver parts and accessories will keep your engine running stronger and longer, season after season.

It doesn't end there. Quicksilver is constantly updating boating technology with new gauges, propellers, watersports products and more.

Specially Formulated Oils

Quicksilver oils and lubricants have been formulated specially for use in Mercury MerCruiser engines, keeping them running smoothly, clean and virtually trouble-free.



Only The Right Prop Will Do

Quicksilver propellers are precision engineered for Mercury MerCruiser sterndrives, tow sports and inboards.

Enjoying Your Watersports

The latest line of Quicksilver watersports products offers everything you need to get the most out of your time on the water.



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