

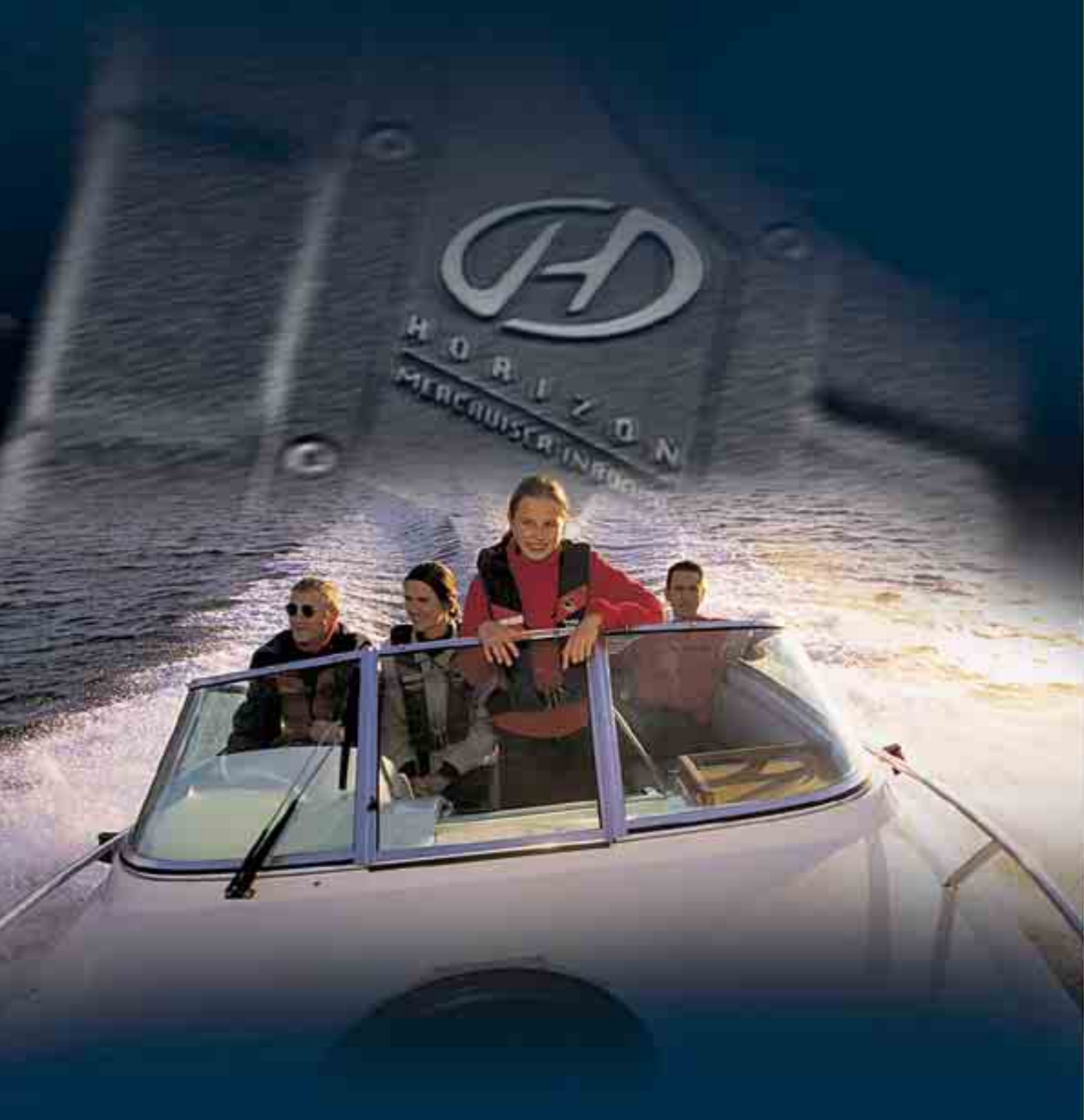


Petrol Sterndrives & Inboards  
From The Biggest Name In Boating



[www.marinepower.com](http://www.marinepower.com)

2003



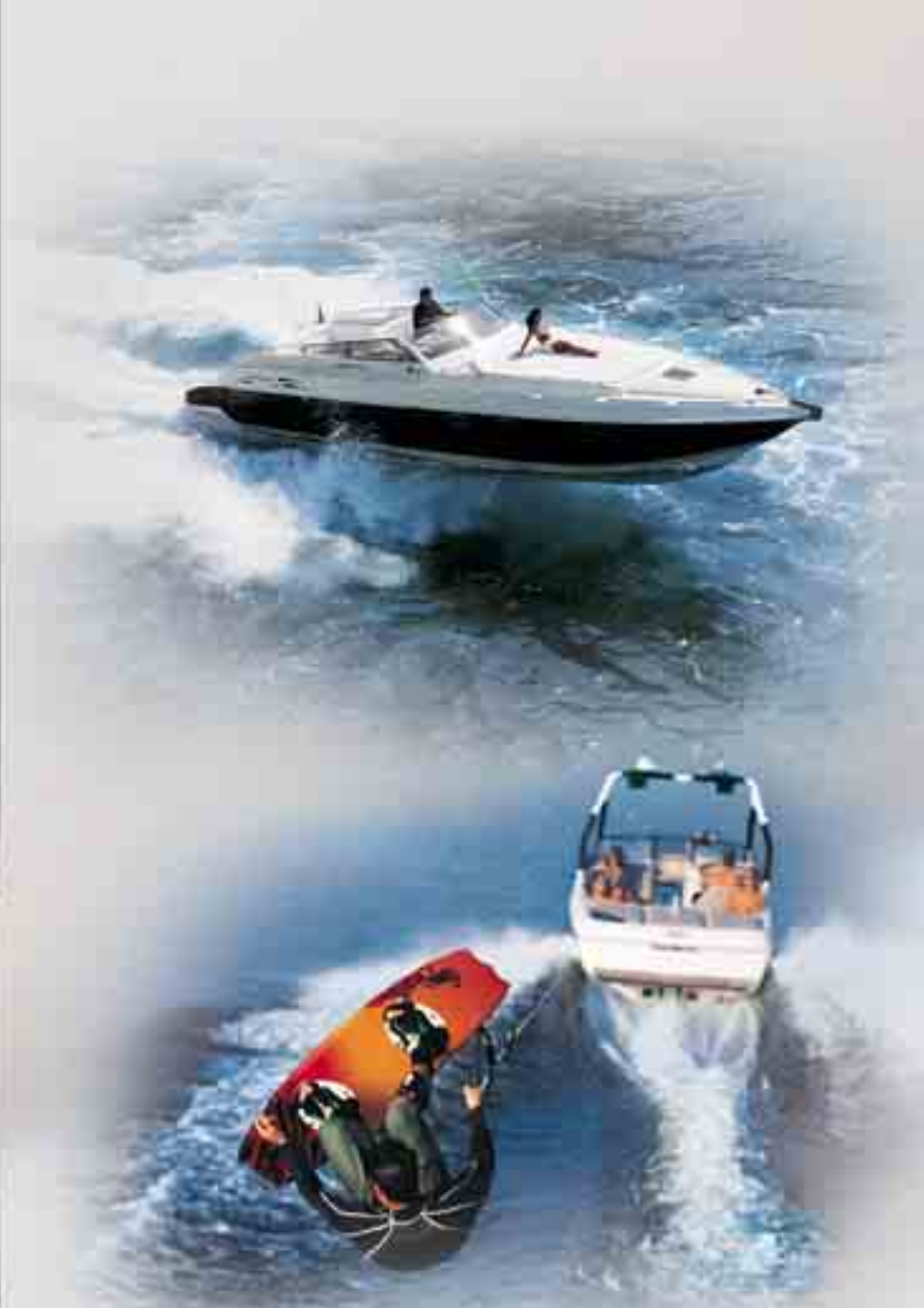
## ***From The Biggest Name In Boating***

Three out of four stern drives are produced by Mercury MerCruiser and well over 2.5 million customers are testimony to MerCruiser's supremacy in marine propulsion. With its extensive range of petrol stern drives and inboards, MerCruiser continues to take the water by storm. This is big-power boating pleasure and reliability.

Whether your boating choice is a splendid family cruiser, hot sportsboat, serious fishing craft, spirited runabout or hard-driven workboat – or if you want to take on and beat the rest in competition – MerCruiser will make it move, and how. MerCruiser Petrol engines start at 135HP and run through to 1,000HP of sheer exhilaration.

**MERCURY**  
MerCruiser





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

**SmartCraft 4-5**

*The most advanced control  
system in the marine world*

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*4.3 MPI  
5.0 MPI  
350 Magnum MPI  
350 Magnum MPI Horizon  
MX6.2 MPI  
MX6.2 MPI Horizon  
496 Magnum  
496 Magnum HO*

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4.3L  
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5.7L  
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MX6.2 MPI  
MX6.2 MPI Horizon  
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*Oils & Lubricants  
Propellers  
Boating Accessories*





# SmartCraft

*Integrated Marine Technology*

Power, technology and information: SmartCraft brings them all together for you. It's a leading-edge brainchild of the information age, providing precise data on virtually all boat functions. If knowledge is power, then SmartCraft and your big block MerCruiser make you lord and master of your boat.

Any of the SmartCraft systems can be pre-rigged by MerCruiser at the factory or installed by your dealer. With a wide choice of displays and functions, you can design the most appropriate system for your style of boating. SmartCraft is nothing short of a revolution, letting you keep an eye on your boat's performance at all times.

## **SMARTCRAFT**

- Digital unit on the engine's Electronic Control Module (ECM) gathers data from sensors inside and outside the boat.
- SmartCraft analyses the data to give you precisely the information you need, displayed at the helm on state-of-the-art gauges and screens.
- Simply installed SC1000 System Tachometer and Speedo gauges combine the functions of as many as seven instruments into two. Easy-to-read SC5000 System View not only monitors vessel systems, it controls and maintains as well.
- Engine Guardian scouts for potential problems so you can take immediate action.
- SmartCraft is compatible with all engines built with the Mercury PCM 555 engine controller.



*SC1000 System Tachometer and Speedo gauges are available with white or grey faces.*





# 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 555 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 2003 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 555 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 all-new 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.
- Also all-new, the HP1050 SCI features a pair of Lysholm twin-screw superchargers with multiport and throttle body fuel injection.
- 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	
Propshaft HP/kW <sup>1</sup>	135/101	190/142	220/164	220/164	260/194	250/186	300/224	300/224	320/239	320/239	375/280	425/317	Propshaft HP/kW <sup>1</sup>
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	Displacement Liter/CID
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	Cylinders
Bore & Stroke (mm)	101.6/91.4	101.6/88.4	101.6/88.4	95/88.4	95/88.4	101.6/88.4	101.6/88.4	101.6/88.4	101.6/95.3	101.6/95.3	108/111.3	108/111.3	Bore & Stroke (mm)
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	Compression Ratio
Fuel System	2V Carb	2V Carb	MPI	2V Carb	MPI	2V Carb	MPI	MPI	MPI	MPI	MPI	MPI	Fuel System
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	Full Throttle RPM Range
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	Ignition Type
Alternator Amp.	65	65	65	65	65	65	65	65	65	65	65	65	Alternator Amp.
Length <sup>2</sup> (cm)	73.6	71.1	71.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	88.9	88.9	Length <sup>2</sup> (cm)
Width (cm)	66	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	83.8	83.8	Width (cm)
Height <sup>2</sup> (cm)	53.3	53.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	61	61	Height <sup>2</sup> (cm)
Weight <sup>2</sup> (kg) Alpha	288	385	393	430	432	430	432	-	-	-	-	-	Weight <sup>2</sup> (kg)
Weight <sup>2</sup> (kg) Bravo One	-	-	-	448	450	448	450	474	450	474	544	544 (Bravo1X)	
Weight <sup>2</sup> (kg) Bravo Two	-	405	414	456	458	456	458	481	458	481	551	551 (Bravo2X)	
Weight <sup>2</sup> (kg) Bravo Three	-	409	418	460	462	460	462	485	462	485	555	555 (Bravo3X)	

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

5.7L		350		MX 6.2		8.1s		8.1s		5.7L		350		NEW		SCORPION		HP		HP		HP		HP					
MAG MPI		MAG MPI		HORIZON		MPI		HORIZON		MPI		HORIZON		HO		MAG MPI		MX6.2		377		500		525		575		1050	
260/194	300/224	300/224	300/224	320/239	320/239	370/276	420/313	270/201	315/235	320/239	350/273	470/350	500/373	550/410	1000/746														
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	6.2/377	6.2/377	6.2/377	8.2/502	8.2/502	8.2/502	9.1/557														
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	V-8														
101.6/88.4	101.6/88.4	101.6/88.4	101.6/95.3	101.6/95.3	108/111.3	108/111.3	101.6/88.4	101.6/88.4	101.6/95.3	102/95	114/102	114/102	113/102	114/111															
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	9.0:1	9.0:1	8.75:1	8.75:1	7.50:1	8.0:1															
2V Carb	MPI	MPI	MPI	MPI	MPI	MPI	2V Carb	MPI	MPI	MPI	MPI	MPI	TBI	MPI															
4200-4600	4400-4800	4400-4800	4600-5000	4600-5000	4200-4600	4400-4800	4400-4800	4600-5000	4800-5200	4800-5200	4800-5200	4800-5200	4800-5200	5800-6000															
Thunderbolt V	ECM 555	ECM 555	ECM 555	ECM 555	PCM 555	PCM 555	Thunderbolt V	ECM 555	ECM 555	Digital	Digital	PCM 555	Digital	PCM 555															
65	65	65	65	65	65	65	65	65	65	65	60	65	60	65															
109.2	109.2	109.2	109.2	109.2	119.4	119.4	109.2	109.2	109.2	94	99.1	100.3	99.1	127															
76.2	76.2	76.2	76.2	76.2	83.8	83.8	76.2	76.2	73.7	73.7	85.7	86.4	85.7	99.1															
55.9	55.9	55.9	55.9	55.9	61	61	55.9	55.9	53.3	50.8	56	61	71.8	93.2															
403	390	426	390	426	513	513	378	369	372	-	-	-	-	-															

(1) Power rated in accordance with NMMA procedure SAE J1228 (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.

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



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



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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