



MARINER



FOURSTROKES • OPTIMAX • TWOSTROKES

www.marinepower.com

2005

THE MARINER® FAMILY COMES FIRST

Mariner's unrivalled reputation for reliability and durability has been built on the enjoyable experience of thousands of Mariner owners down the years.

For family boating, Mariner comes first. First for quality, first for fun. And where there's work to be done, you know you can depend on Mariner. The Mariner family not only benefits from quality. There is the added advantage of choice. Choose from three outboard technologies. Choose power from 2.5HP all the way to 275HP.

New for 2005: Mariner presents the Supercharged FourStroke Verado™, the world's most sophisticated outboard engine. Verado is the first production outboard to feature a supercharger and offers acceleration, speed and durability never before seen from a four-stroke engine, yet it is nearly silent.

Choose from the latest Mariner four-stroke performers, including a series of electronic fuel injection models. These are smooth, ultra-quiet, clean outboards with remarkable fuel economy. 2005 sees the introduction of two new best-in-class lightweight engines. The 8HP and 9.9HP. These new engines feature power and performance you expect Mariner to deliver – offering remarkable fuel efficiency, clean running, and extremely smooth and quiet operation

Alternatively, experience the breathtaking acceleration and superior top speed of a direct injection Mariner OptiMax®. Or go for a Mariner two-stroke, electronic fuel injection or carburetor induction, the most sophisticated in their class.



Mariner Durability

Power and performance to run and run



Mariner Reliability

Maximum fun with minimum fuss



Mariner Technology

Industry firsts such as EFI and SmartCraft®



Mariner Choice

Four-strokes, OptiMax® and two-strokes





Designed built & tested to last

Mariner gives you so many ways to make the most of your time on the water.

Look on the green colour-coded pages for four-strokes, blue for OptiMax and red for two-strokes.

FourStroke

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VERADO™

TAKE CHARGE.™

THERE'S SOMETHING NEW IN THE WATER

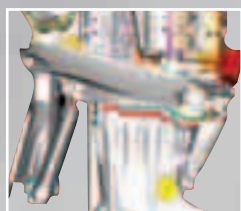
Mariner – the marine expert – presents the first all-new outboard power in over 50 years: the Supercharged Four-stroke Verado™. With a 2.6L in-line six-cylinder powerhouse that outperforms virtually every other engine on the water, it's the strongest, quietest, fastest, and most reliable outboard ever built.

But Mariner® Verado is more than just an outboard: it's the world's only fully integrated outboard propulsion system, merging unimagined power and unmatched responsiveness via SmartCraft® Digital Throttle & Shift. In addition, Electro-Hydraulic Power Steering eliminates steering torque and delivers the smooth handling boaters have waited too long to feel. All of which position Verado as an entirely new way to think about marine power.

VERADO PERFORMANCE

- IN-LINE SIX-CYLINDER
- SUPERCHARGED FOUR-STROKE
- REVOLUTIONARY MID-SECTION
- INDUSTRY'S STRONGEST GEARCASE
- UNPARALLELED NOISE REDUCTION
- ELECTRO-HYDRAULIC POWER STEERING
- BEST-IN-CLASS SHIFTING AND THROTTLE CONTROL
- EXCEPTIONAL FUEL ECONOMY





REVOLUTIONARY ADVANCED MIDSECTION

The Verado midsection uses an exclusive four-point, progressive-rate, perimeter-mount system to decrease vibration by 50%. It also makes Verado much easier to handle and more stable to steer at high speeds because the mounts automatically stiffen as engine speeds and loads increase.



UNMATCHED RELIABILITY

All major structural components – such as the crankshaft, connecting rods and bearings – have been specifically designed and built for this supercharged powerplant. An entirely new gearcase has been designed to provide the maximum in performance and reliability.



THE WORLD'S MOST POWERFUL FOUR-STROKE OUTBOARD

Verado™ represents far more than just a new class of outboard power. It represents the only fully integrated power system of its kind on the water. That's because in developing Verado, Mariner engineers teamed with some of the top engineering design houses in the world – Lotus®, AVL®, Motorola®, and Cosworth® – in order to utilise the best technology available.

The result is the only integrated control system of its kind anywhere. From the Electro-Hydraulic Power Steering and SmartCraft® Digital Throttle & Shift to the next generation of Engine Guardian self-diagnostic tools, Verado provides a previously unheard of level of whole-boat interaction.

MARINER VERADO

275HP	6 cylinders (in-line)	2598 cc
250HP	6 cylinders (in-line)	2598 cc
225HP	6 cylinders (in-line)	2598 cc
200HP	6 cylinders (in-line)	2598 cc



INCREDIBLY QUIET

Extensive sound lab testing has resulted in several revolutionary noise-cancelling systems. The result is an outboard so quiet you'll hear more wind and water than you will engine.





MARINER TECHNOLOGY

Mariner Verado. The result is a fully integrated propulsion system that offers a revolutionary degree of control, performance and security.

THE BIRTH OF VERADO SIGNALS THE END OF COMPROMISE

All traditional mechanical cables have been replaced by a data cable that conveys information between the computer on the engine and the System Command Module under the dash.

Everything about the Verado™ integrated control system is designed to improve the interaction between you and the engine. From SmartCraft® Digital Throttle & Shift to the incredibly responsive Electro-Hydraulic Power Steering, the system eliminates the need for mechanical cables – resulting in an unparalleled level of control.

Verado is the one outboard that was conceived, designed, built, and tested to deliver it all in the most strenuously tested outboard ever.

MARINER VERADO

275HP	6 cylinders (in-line)	2598 cc
250HP	6 cylinders (in-line)	2598 cc
225HP	6 cylinders (in-line)	2598 cc
200HP	6 cylinders (in-line)	2598 cc



ELECTRO-HYDRAULIC POWER STEERING

Thanks to an exclusive integrated Electro-Hydraulic Power Steering System, steering is fluid, effortless and seamless.





UNEQUALLED TORQUE AND ACCELERATION

Thanks to its exclusive Supercharged and Intercooled design, Verado™ delivers dramatically better torque and acceleration than any comparably sized four-stroke and most two-strokes – from hole shot all the way to wide-open throttle. Mid-range acceleration exceeds any other outboard in the world.



MARINER

FourStroke

CLEAN & MEAN

Clean running and extra mean on fuel, smooth and ultra-quiet, the Mariner four-strokes offer you the ultimate in boating pleasure.

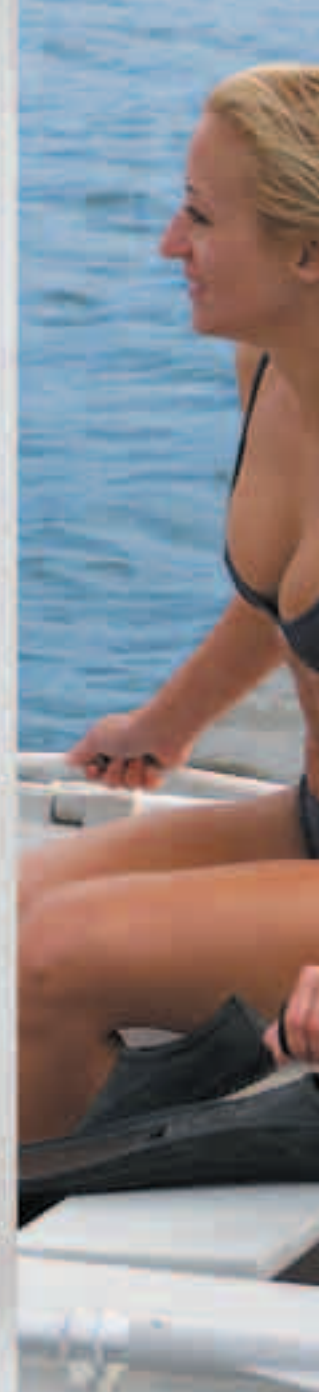
Outstanding fuel economy means lower operating costs, and all Mariner four-strokes provide you with smooth, quiet power to take you there and back in affordable comfort and style.

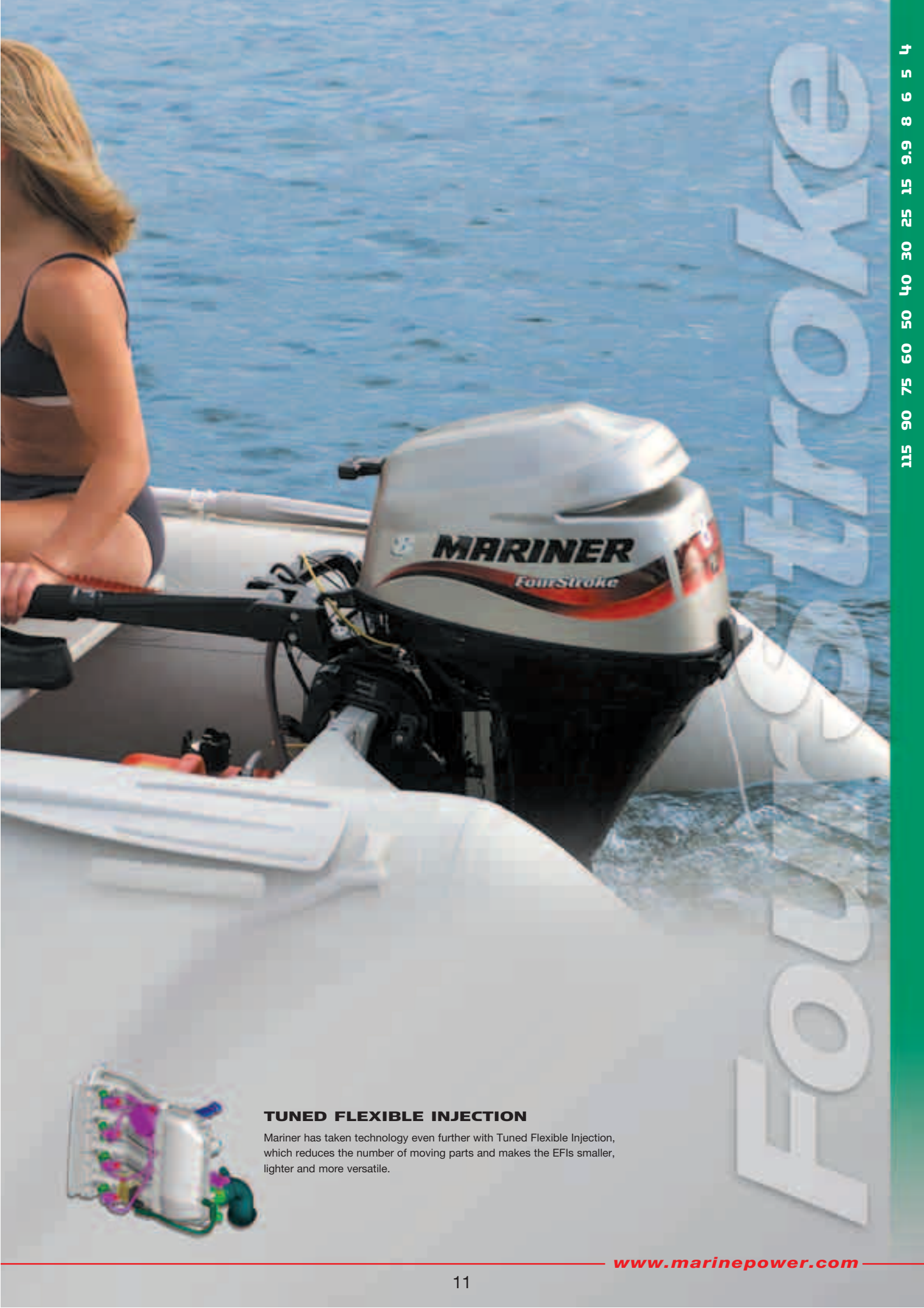
The mid-range Mariner four-stroke EFIs bring you the same smooth, quiet, clean performance of other Mariner four-strokes, but by adding in electronic fuel injection, traditional horsepower limitations have been shattered. These Mariners are highly efficient out-performers and are SmartCraft enabled. Read about SmartCraft total vessel intelligence on pages 34 and 35.

Mariner four-strokes equate to savings of up to 39% better than comparable two-strokes. There's clean, smoke-free operation at all engine speeds, already surpassing EPA year 2006 emission standards. The technology allows whisper-quiet performance. Full cowls, an air intake silencer and through-prop exhaust are further low-noise features. Overhead cam design makes possible idling speeds as low as 750 RPM, making Mariner four-strokes ideal for fishing boat applications. And there is no mixing of petrol and oil. You'll enjoy the Mariner four-strokes experience. You can rely on it.

FOUR-STROKE PERFORMANCE

- PATENTED ELECTRONIC FUEL INJECTION
- EXCEPTIONAL FUEL ECONOMY
- CLEAN, SMOOTH AND RELIABLE
- 3-YEAR CORROSION WARRANTY
- MID-RANGE EFIs FEATURE SMARTCRAFT TOTAL VESSEL INTELLIGENCE SYSTEM
- NEW 8HP AND 9.9HP LIGHTWEIGHT MODELS
- EXCEEDING EPA'S EMISSION STANDARDS 2006





115 90 75 60 50 40 30 25 15 9.9 8 6 5 4



TUNED FLEXIBLE INJECTION

Mariner has taken technology even further with Tuned Flexible Injection, which reduces the number of moving parts and makes the EFIs smaller, lighter and more versatile.



SMOOTH SHIFTING

Mariner 75HP, 90HP and 115HP EFI four-strokes feature a Desmodromic Shift System, providing smooth, reliable shifting for years of operation.



EVER RELIABLE POWER

Mariner's 115HP EFI four-stroke has electronic fuel injection for maximum efficiency. This smooth operator has been researched, developed, tested and proven for its reliability and durability. That's what you've come to expect from Mariner.

The four-cylinder 115HP EFI displaces a big 1,741cc. Enjoy the clean, quiet, economical advantages of Mariner four-stroke technology, with outstanding power-to-weight benefits as well. This engine is up to 40kg lighter than competitive engines of the same output.

Mariner 75HP and 90HP four-strokes give you the power you need with all the clean, smooth, quiet features to make boating your first choice for fun and relaxation. With outstanding power-to-weight benefits, these two Mariner four-strokes, fuel-efficient and virtually smoke-free, are engines you can take anywhere. This is big power without compromise.

MARINER FOUR-STROKE

115HP EFI	4 cylinders (in-line)	1741 cc
90HP	4 cylinders (in-line)	1596 cc
75HP	4 cylinders (in-line)	1596 cc



STAYS QUIETER

Mariner low-noise combustion process, plus special sound-dampening cowls, make these four-strokes among the quietest engines on the water.



FourStroke



DURABILITY & PERFORMANCE

Mariner durability, reliability and all-around performance are combined with extra smoothness, additional fuel economy and unheard-of quietness in the 2005 range of Mariner four-strokes.

Whether you choose the tough 60HP EFI or 50HP EFI or the more compact but big performing 40HP EFI or 30HP EFI four-strokes, Mariner technology provides whisper-quiet performance with unsurpassed economy.

And compatibility with Mariner's revolutionary SmartCraft boat control and instrumentation system ensures that the mid-range Mariner four-strokes provide the most entertainment available on water.

Mariner 60HP EFI, 50HP EFI and 40HP EFI are available in Bigfoot versions, complete with heavy duty gearcase and large propeller for more thrust and exceptional holding power.

MARINER FOUR-STROKE

60HP EFI + BIGFOOT	4 cylinders (in-line)	995 cc
50HP EFI + BIGFOOT	4 cylinders (in-line)	995 cc
40HP EFI BIGFOOT	4 cylinders (in-line)	995 cc
40HP EFI	3 cylinders (in-line)	747 cc
40HP	3 cylinders (in-line)	747 cc
30HP EFI	3 cylinders (in-line)	747 cc



LEADING THE WAY

Mariner's patented electronic fuel-injection technology is combined with the clean, quiet power of the four-strokes.





FourStroke

115 90 75 60 50 40 30 25 15 9.9 8 6 5 4



MARINER BIGFOOT BENEFITS

Heavy-duty, oversized gearcases, greater gear reduction and larger propellers allow for more thrust and manoeuvrability, better holding power.

NEW



A longer tiller with tilt-up feature delivers easier operation and additional comfort, while the tilt-down feature provides compact storage.



The multifunction tiller handle controls five functions – shift, stop, throttle, throttle friction, and steering – for one-hand operation.



The manual choke and primer features provide easy starting and idle adjustments.



The steering co-pilot controls steering friction and is easily adjusted by hand. Plus, three trim positions, one shallow-water drive setting and full tilt provide for maximum control.



LIGHTER LOAD

Weighing in at just 38.1kg, among the lightest around, they're designed for easy handling. A cut-away area in the lower cowl makes lifting easier and safer.



MARINER'S LIGHTWEIGHT CHAMPIONS

Mariner lightweights have heavyweight reliability built in. They're as durable as ever, as reliable as ever and more economical than ever before.

2005 sees the introduction of two new best-in-class lightweight engines in 8HP and 9.9HP configurations. These new engines feature power and performance that only Mariner can deliver – offering remarkable fuel efficiency, clean running, and extremely smooth and quiet operation.

There's a big performing 25HP four-stroke and a sprightly 15HP. Single-cylinder Mariner 4HP, 5HP and 6HP four-strokes have been built to go on performing and make your time on the water sheer pleasure. There's a Mariner 4HP SailMate yacht auxiliary too.

They may be small but they'll give you really big power for their size.

It's power with economy.

MARINER FOUR-STROKE

25HP	2 cylinders (in-line)	498 cc
15HP + BIGFOOT	2 cylinders (in-line)	323 cc
NEW 9.9HP	2 cylinders (in-line)	209 cc
NEW 8HP	2 cylinders (in-line)	209 cc
6HP	1 cylinder	123 cc
5HP	1 cylinder	123 cc
4HP + SAILMATE	1 cylinder	123 cc



GOES FURTHER

Mariner four-strokes take you further on a tank of fuel, giving you more time on the water. Typically, there is nearly 39% better fuel economy than from a comparable two-stroke.





MARINER

OptiMax

SMARTER IN EVERY WAY

When you think big power, think big economy, think environmental friendliness, you just have to be thinking Mariner OptiMax.

Mariner OptiMax outboards have changed all the rules. They've changed the way people go boating. OptiMax is proving to be one of the most fuel efficient and thoroughly-engineered marine engines of all time. Smoke-free, quiet, incredibly smooth – and with outstanding acceleration and top speed.

Need more? Then there's massive savings in fuel, an average 45% compared to traditional two-stroke outboards.

A new-technology direct injection fuel system has provided a way to burn the petrol more completely than ever before, resulting in these outstanding economies and emissions reductions. An electronic brain constantly adjusts the engine to meet changing conditions and maintain peak performance at all times. A data link between the engine and SmartCraft boat control and instrumentation system (pages 34 and 35) gives you a wealth of information and help, for added peace of mind.

You can go further, get there faster and stay out longer with OptiMax. It's smarter in every way.

OPTIMAX PERFORMANCE

- AVERAGE 45% FUEL SAVINGS
- INCREDIBLE HOLE SHOT AND TOP SPEED
- 3-YEAR FACTORY WARRANTY
- DRAMATICALLY REDUCED EMISSIONS
- SMARTCRAFT VESSEL INTELLIGENCE
- EXCEEDING EPA'S EMISSION STANDARDS 2006





OPTIMAX INJECTION SYSTEM

Unlike other direct injection systems, OptiMax uses an exclusive two-stage process. A burst of air at 80psi shoots through the fuel, breaking it into a fine mist. This mist creates more surface area for combustion and stays in the cylinder longer, resulting in a more consistent and complete burn.



SUPERIOR PERFORMANCE

OptiMax features a 60-degree V6 configuration which provides a compact block design with impressive, high power output.



THE SMARTEST POWER ON THE WATER

OptiMax technology offers power and performance with typical Mariner durability and dependability. At the top of the power range are the V6 225HP and 200HP which share their sophisticated engine management and direct fuel injection systems with the 175HP, 150HP and 135HP versions.

Mariner OptiMax sets the standards in combining unprecedented power with dramatic reductions in emissions and smoke thanks to the high pressure direct injection system which ensures that each V6 engine in the range offers unsurpassed levels of efficiency.

MARINER OPTIMAX

225HP	V-6 (60° vee)	3032 cc
200HP	V-6 (60° vee)	3032 cc
175HP	V-6 (60° vee)	2507 cc
150HP	V-6 (60° vee)	2507 cc
135HP	V-6 (60° vee)	2507 cc



TECHNOLOGY

Mariner OptiMax is smarter, thanks to SmartCraft. Read about SmartCraft, boating's total knowledge system, on pages 34 and 35.





MORE POWER LESS WEIGHT

Mariner's OptiMax 115HP, 90HP and 75HP weigh significantly less than comparable four-strokes, making them the perfect choice for smaller, faster boats. Yet these three-cylinder 1.5-litre outboards are packed with the same boating benefits as their OptiMax V6 counterparts. Above all, they are impressively strong on performance.

SmartCraft-ready, (see pages 34 and 35), these extra-value OptiMax direct injection engines are controlled by an exclusive processor that provides a level of management capability to surpass anything else of its kind in boating. As with all OptiMax models, the fuel delivery system promises up to 45% better fuel economy than comparable two-strokes.

MARINER OPTIMAX

115HP	3 cylinders (in-line)	1526 cc
90HP	3 cylinders (in-line)	1526 cc
75HP	3 cylinders (in-line)	1526 cc



OPTIMAX OIL

This specially-formulated synthetic OptiMax 2-Cycle oil has been developed for the greater demands of direct injection outboards. It is designed to keep your engine running at optimal levels in all conditions.





MULTIPOINT LUBRICATION

Mariner's exclusive electronic lubrication system delivers precise amounts of oil exactly where and when the OptiMax engine needs it. It even delivers additional oil during the important break-in period of a new engine.



MARINER

TwoStroke

EVERYTHING YOU LOOK FOR

Mariner's highly popular EFI and naturally aspirated two-strokes are the ideal power companions at work and at play on the water.

Whether your boating pleasure comes from a relaxing day's fishing, cruising around the bay, shooting out on offshore expeditions or enjoying your favourite watersports, these versatile Mariners will prove their worth to you every time.

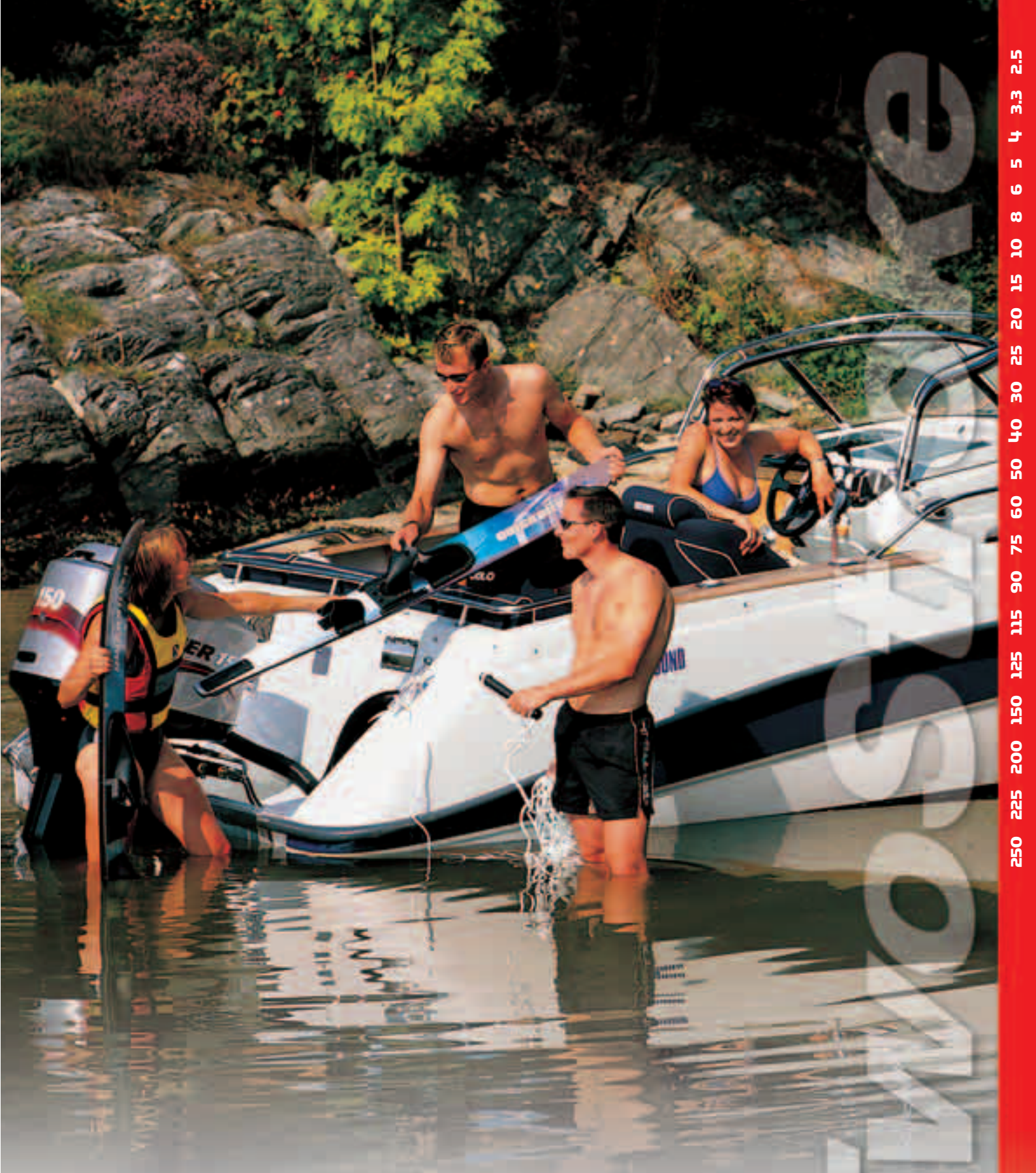
If boating means working as far as you are concerned, your Mariner outboard will be an invaluable aide. Mariners are tough, dependable and built to last. Everything you look for in a best friend on the water.

You can save on the initial purchase price. Then, excellent power-to-weight ratios throughout the range give added performance benefits. Lighter weight also allows for easier portability. Mariner gives you so much more for your money. Gives you so many more ways to have boating fun. Welcome to the powerful world of Mariner two-stroke outboards.

TWO-STROKE PERFORMANCE

- PATENTED ELECTRONIC FUEL INJECTION
ON V6 MODELS
- OUTSTANDING POWER-TO-WEIGHT RATIOS
- WIDEST CHOICE OF ENGINES FROM POWERFUL
V6 MODELS TO THE COMPACT PORTABLES
- 3-YEAR CORROSION WARRANTY
- BACKED BY A HUGE SALES AND SERVICE
DEALER NETWORK





EFI

EFI TECHNOLOGY

Mariner's electronic fuel injection means smooth, consistent operation under all weather conditions and altitudes. You'll enjoy sure-fire turnkey starting. Impressive throttle response every time. There are full onboard computer diagnostics. Add in loop-charged induction, plus a high-power alternator and battery charging system.



ELECTRONICALLY CONTROLLED OIL PUMP

All V6 EFIs feature an electronically (PCM) controlled oil pump resulting in metered oil delivery based on engine load and RPM for maximum efficiency and reliability.

Two-Stroke

DESIGNED TO THRIVE

Mariner's high-tech two-stroke outboards offer the widest range of tough and dependable V6 power in the shape of 250HP, 225HP, 200HP and 150HP fuel injected masterpieces, first-time starting and maximum fuel efficiency are trademarks of Mariner EFI technology. Whichever V6 two-stroke you choose, you can be sure of unbeatable Mariner performance.

For the 125HP, 115HP, 90HP and 75HP motors, Mariner have developed the most sophisticated carburetion system which ensures the smoothest possible power delivery from idle to maximum throttle.

MARINER TWO-STROKES

250HP SALTWATER EFI	V-6 (60° vee)	3032 cc
225HP MAG EFI + SALTWATER EFI	V-6 (60° vee)	3032 cc
200HP + SALTWATER + MAG EFI + SALTWATER EFI	V-6 (60° vee)	2507 cc
150HP MAG III + SALTWATER + MAG EFI + SALTWATER EFI	V-6 (60° vee)	2507 cc
125HP	4 cylinders (in-line)	1848 cc
115HP	4 cylinders (in-line)	1848 cc
90HP	3 cylinders (in-line)	1386 cc
75HP	3 cylinders (in-line)	1386 cc



THE PERFORMANCE

Mariner two-strokes give outstanding power-to-weight ratios for best performance at all speeds.





MAXIMUM FUN WITH MINIMUM FUSS

Boating is all about enjoyment and when it comes to the lighter weight outboards, Mariner is up-front in delivering fuss-free performance.

Proven two-stroke motors provide exceptional economy and quietness right across the three-cylinder, two-cylinder and single cylinder model range which spans 60HP to 2.5HP versions. In addition, the use of special aluminium alloys and top grade stainless steels combats salt water corrosion to ensure a long service life.

MARINER TWO-STROKES

60HP + BIGFOOT	3 cylinders (in-line)	967 cc
50HP	3 cylinders (in-line)	967 cc
40HP 3 CYL.	3 cylinders (in-line)	967 cc
40HP 2 CYL.	2 cylinders (in-line)	644 cc
30HP 644 cc	2 cylinders (in-line)	644 cc
30HP 429 cc	2 cylinders (in-line)	429 cc
25HP	2 cylinders (in-line)	400 cc
20HP	2 cylinders (in-line)	400 cc
15HP	2 cylinders (in-line)	262 cc
10HP	2 cylinders (in-line)	262 cc
8HP	2 cylinders (in-line)	210 cc
6HP	2 cylinders (in-line)	210 cc
5HP	1 cylinder	102 cc
4HP + SAILMATE	1 cylinder	102 cc
3.3HP	1 cylinder	74.6 cc
2.5HP	1 cylinder	74.6 cc





2.5 3.3 4 5 6 8 10 15 20 25 30 40 50 60 75 90 115 125 150 200 225 250

TRIM







ONE-HANDED OPERATION

Not only steering, but the shift, throttle, throttle friction, stop and trim/tilt controls are designed so that you can operate all of them with one hand.


MARINER VERADO

MARINER FOUR-STROKES

	275-200	115-75		60-30			
Models ⁽¹⁾	 NEW 275 • NEW 250 • NEW 225 • NEW 200 VERADO	115 EFI	90 • 75	 60 • 50 EFI + EFI BIGFOOT	 40 EFI BIGFOOT	40	 40 • 30 EFI
Kilowatts ⁽²⁾	202 • 184 • 165 • 147 kW	84.5 kW	66.2 • 55.1 kW	44.1 • 36.8 kW	29.4 kW	29.4 kW	29.4 • 22.1 kW
Max. RPM at Full Throttle	5800-6400	5000-6000	90: 5000-6000 75: 4500-5000	5500-6000	5500-6000	5500-6000	5500-6000
Cylinders	6 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	3 (in-line)	3 (in-line)
Displacement	2598 cc	1741 cc	1596 cc	995 cc	995 cc	747 cc	747 cc
Bore / Stroke	82 mm x 82 mm	79 mm x 89 mm	79 mm x 81 mm	65 mm x 75 mm	65 mm x 75 mm	65 mm x 75 mm	65 mm x 75 mm
Cooling System	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat
Ignition	SmartCraft PCM 03 digital inductive	CDI w/ electric spark advance	CDI w/ electric spark advance	ECM 555 Digital Inductive	ECM 555 Digital Inductive	CDI w/ electric spark advance	ECM 555 Digital Inductive
Starting	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Manual	Electric (turnkey)
Gear Ratio	1.85:1	2.07:1	2.33:1	1.83:1 BIGFOOT: 2.33:1	2.33:1	2.00:1	2.00:1
Gear Shift	SmartCraft DTS, F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Steering	Electro-Hydraulic Power Steering with integral hydraulic cylinder	Remote	Remote	Tiller or Remote	Remote	Tiller	Tiller or Remote
Alternator System ⁽³⁾	Fully regulated Belt Driven 70-amp (882 watt)	25 amp (315 watt)	20 amp (252 watt)	18 amp (223 watt)	18 amp (223 watt)	6 amp (76 watt)	18 amp (223 watt)
Trim Positions	SmartCraft-programmable power trim and tilt	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Gas assist	Gas assist and Power trim models available
Fuel Tank	Optional	Optional	Optional	Standard	Standard	Standard	Standard
Fuel Requirements	Unleaded 90 RON min. 275: Unleaded 92 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.
Weight ⁽⁴⁾	288 kg	176 kg	176 kg	113 kg BIGFOOT: 121 kg	121 kg	102 kg	106 kg
Recommended Boat Transom Height	275: XL 635 mm 250 • 225 • 200: Long 508 mm XL 635 mm	Long 508 mm	Long 508 mm	Long 508 mm	Long 508 mm	Short 381 mm Long 508 mm	40 EFI: Short 381 mm Long 508 mm 30 EFI: Long 508 mm
Induction System	SmartCraft® DTS electronic throttle, supercharged with charge air cooling and electronic boost pressure control	4-valve dual overhead cam design	4-valve dual overhead cam design	2-valve single overhead cam design	2-valve single overhead cam design	2-valve single overhead cam design	2-valve single overhead cam design
Exhaust	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
Oil Injection	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Counter Rotation	Available on XL models	N/A	N/A	N/A	N/A	N/A	N/A

4, 5, 6, 15, 25, 40 and 75 4-stroke models might be available as Bodensee stage 1/SAV1 certified.
Please check availability with your dealer.

(1) Model offering may vary from one country to another. Please see your local dealer for specific information.
(2) Measured at propshaft in accordance with ICOMIA 28.




 SmartCraft integrated Marine technology standard.

For more information on the propeller that is right for you, please see your dealer.

(3) Requires rectifier to complete installation manual versions. Standard on 4 Sailmate model.
(4) Dry weight specification is for lightest model and excludes engine oil, rigging hardware and propeller.





MARINER OPTIMAX

25-4				225-135		115-75
25	15 + BIGFOOT	NEW 9.9 • 8	NEW 6 • 5 • 4 + SAILMATE	 225* • 200 OPTIMAX	 175 • 150 • 135 OPTIMAX	 115 • 90 • 75 OPTIMAX
18.4 kW	11 kW	7.3 • 5.9 kW	4.4 • 3.68 • 2.9 kW	165 • 147 kW	129 • 110 • 99.2 kW	84.5 • 66.2 • 55.1 kW
5500-6000	4500-5500	5000-6000	6: 5000-6000 5 • 4: 4500-5500	5000-5750	175 • 150: 5250-5750 135: 5000-5600	5000-5750
2 (in-line)	2 (in-line)	2 (in-line)	1	V-6 (60° vee)	V-6 (60° Vee)	3 (in-line)
498 cc	323 cc	209 cc	123 cc	3032 cc	2507 cc	1526 cc
65 mm × 75 mm	59 mm × 59 mm	55 mm × 44 mm	59 mm × 45 mm	92 mm × 76 mm	89 mm × 67 mm	92 mm × 76 mm
Water cooled w/ thermostat	Water cooled w/ thermostat	Water-cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled
CDI w/ electric spark advance	CDI w/ electric spark advance	CDI Electronic Advance	Capacitor discharge	PCM 038	PCM 038	PCM 038
Manual or Electric (turnkey)	Manual or Electric (turnkey)	Manual or Electric	Manual	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)
2.42:1	2.00:1 BIGFOOT: 2.42:1	2.08:1	2.15:1	1.75:1	1.87:1 135: 2.00:1	2.07:1 90 • 75: 2.33:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Tiller or Remote	Tiller or Remote	9.9: Tiller or Remote 8: Tiller	Tiller	Remote	Remote	Remote
Manual 6 amp (76 watt) Electric 15 amp (189 watt)	Manual 6 amp (76 watt) Electric 10 amp (126 watt)	6 amp (76 watt)	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging 4 SAILMATE: Standard with rectifier	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)
Manual: gas assist Electric: 5 + shallow water (Power trim optional)	5 & shallow water drive Standard: M, ML (Optional: E, EL)	3 + shallow water drive	6 & shallow water drive	Power trim standard	Power trim standard	Power trim standard
Standard	Standard	Standard	Standard 4 • 4 SAILMATE: Integral 1.1 litre	Optional	Optional	Optional
Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.
81 kg	51 kg BIGFOOT: 58 kg	38 kg	25 kg	235 kg	175: 186 kg 150 • 135: 200 kg	115: 171 kg 90 • 75: 166 kg
Short 381 mm Long 508 mm	Short 381 mm Long 508 mm BIGFOOT: Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm 4 SAILMATE: Long 508 mm	Long 508 mm XL 635 mm	Long 508 mm XL 635 mm	115: Long 508 mm XL 635 mm 90 • 75: Long 508 mm
2-valve single overhead cam design	2-valve single overhead cam design	2-valve single overhead cam design	Overhead 2-valve pushrod	2-stage direct fuel injection	2-stage direct fuel injection	2-stage direct fuel injection
Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
N/A	N/A	N/A	N/A	Electronic multipoint	Electronic multipoint	Electronic multipoint
N/A	N/A	N/A	N/A	Available on XL models only	N/A 150 • 135: Available on XL models only	N/A

(5) Electric start kits available for these engines.


* 225 OptiMax also available with SmartCraft DTS (Digital Throttle & Shift).

MARINER TWO-STROKES

	250-75				
Models ⁽¹⁾	 250 • 225 SW EFI MAG EFI/ SW EFI	 EFI 200 • 150 + SW + MAG EFI MAG III + SW + SW EFI + MAG EFI + SW EFI	125 • 115	90 • 75	60 • 50 • 40 + BIGFOOT 3 CYL.
Kilowatts ⁽²⁾	184 • 165 kW	147 • 110 kW	91.9 • 84.5 kW	66.2 • 55.1 kW	44.1 • 36.8 • 29.4 kW
Max. RPM at Full Throttle	5000-5800	200 • 200 SW: 5000-5600 200 MAG EFI • 200 SW EFI: 5000-5800 150: 5000-6000	4750-5250	90: 5000-5500 75: 4750-5250	5000-5500
Cylinders	V-6 (60° vee)	V-6 (60° vee)	4 (in-line)	3 (in-line)	3 (in-line)
Displacement	3032 cc	2507 cc	1848 cc	1386 cc	967 cc
Bore / Stroke	92 mm × 76 mm	89 mm × 67 mm	89 mm × 75 mm	89 mm × 75 mm	76 mm × 71 mm
Cooling System	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat
Ignition	PCM 038	Modular CDI MAG EFI • SW EFI: PCM 038	Modular CDI	Modular CDI	Modular CDI
Starting	Electric (turnkey)	Electric MAG EFI • SW EFI: Electric (turnkey)	Electric	Electric	Electric
Gear Ratio	1.75:1	1.87:1	2.07:1	2.33:1	60: 1.64:1 60 BIGFOOT: 2.33:1 50 • 40: 1.83:1
Gear Shift	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Steering	Remote	Remote	Remote	Remote	Remote
Alternator System ⁽³⁾	Belt driven 60 amp (756 watt)	40 amp (504 watt) MAG EFI • SW EFI: Belt driven 60 amp (756 watt)	18 amp (227 watt)	18 amp (227 watt)	16 amp (201 watt)
Trim Positions	Power trim standard	Power trim standard	Power trim standard	Power trim standard	60 • 50: Gas assist (Power trim optional) 60 BIGFOOT • 40: Power trim standard
Fuel Tank	Optional	Optional	Optional	Optional	Standard
Fuel Requirements	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.
Weight ⁽⁴⁾	250 SW EFI • 225 SW EFI: 220 kg 225 MAG EFI: 218 kg	200 • 200 SW: 182 kg 150 MAG III • 150 SW: 183 kg MAG EFI • SW EFI: 187 kg	158 kg	139 kg	60: 100 kg 60 BIGFOOT: 109 kg 50 • 40: 93 kg
Recommended Boat Transom Height	XL 635 mm 225 MAG EFI: Long 508 mm	Long 508 mm XL 635 mm	Long 508 mm	Long 508 mm Shaft extension kit available XL 635 mm	Short 381 mm Long 508 mm 60 BIGFOOT • 50 • 40: Long 508 mm
Induction System	Loop-charged (EFI)	Loop-charged (3 carb) MAG EFI • SW EFI: Loop-charged (EFI)	Loop-charged (4 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)
Exhaust	Through prop	Through prop	Through prop	Through prop	Through prop
Oil Injection	Standard	Standard	Standard	Standard	Standard
Counter Rotation	Available on SALTWATER models only	Available on XL models only	N/A	N/A	N/A

(1) Model offering may vary from one country to another. Please see your local dealer for specific information.
 (2) Measured at propshaft in accordance with ICOMIA 28.

(3) Requires rectifier to complete installation manual versions. Standard on 4 Sailmate model.
 (4) Dry weight specification is for lightest model and excludes engine oil, rigging hardware and propeller.

 SmartCraft integrated Marine technology standard.



MARINER TWO-STROKES

60-2.5

40 • 30 2 CYL. 644 cc	30 429 cc	25 • 20	15 • 10	8 • 6	5 • 4 + SAILMATE	3.3 • 2.5
29.4 • 22.1 kW	22.1 kW	18.4 • 14.7 kW	11 • 7.4 kW	5.9 • 4.4 kW	3.68 • 2.9 kW	2.4 • 1.8 kW
4500-5500	4800-5500	25: 5000-6000 20: 4500-5500	5000-6000	8: 4500-5500 6: 4000-5000	5: 4000-5000 4 • 4 SAILMATE: 4500-5500	3.3: 4500-5500 2.5: 4200-5200
2 (in-line)	2 (in-line)	2 (in-line)	2 (in-line)	2 (in-line)	1	1
644 cc	429 cc	400 cc	262 cc	210 cc	102 cc	74.6 cc
76 mm × 71 mm	68 mm × 59 mm	65 mm × 60 mm	60 mm × 46 mm	54 mm × 45 mm	55 mm × 43 mm	47 mm × 43 mm
Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat and pressure controlled	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled	Water cooled
Modular CDI	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge
40: Manual or Electric 30: Electric	Manual or Electric	Manual or Electric	Manual	Manual ⁽⁵⁾	Manual	Manual
2.00:1	1.92:1	2.25:1	2.00:1	2.00:1	2.15:1	3.3: 2.15:1 2.5: 1.85:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	3.3: Forward-neutral 2.5: Forward
40: Tiller std: M Optional: E, EL Remote std: E, EL Optional: M 30: Remote std	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: E, EL	Tiller handle	Tiller handle (Remote optional)	5 • 4: Tiller handle (360°) (Remote optional) 4 SAILMATE: Tiller handle (Remote optional)	Tiller handle (360°)
Electric: 18 amp (227 watt) Manual: 10 amp (126 watt)	6 amp (80 watt)	Standard: E, EL, ML Optional: M 6 amp (76 watt)	Standard: ML Optional: M 6 amp (76 watt)	8: Optional 6 amp (76 watt) 6: Standard: ML Optional: M 6 amp (76 watt)	5 • 4: Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging 4 SAILMATE: Standard with rectifier	N/A
5 and shallow water drive (Power trim optional)	6	5 and shallow water drive Standard: M, ML (Optional: E, EL)	3 and 3 shallow water drive positions	3 and 3 shallow water drive positions	6 and shallow water drive	4
Standard	Standard	Standard	Standard	Standard	5: Standard + Integral 2.5 litres 4 • 4 SAILMATE: Integral 2.5 litres	Integral 1.4 litre
Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.
40: 75 kg 30: 79 kg	51 kg	52 kg	35 kg	8: 33 kg 6: 31 kg	20 kg	13 kg
40: Short 381 mm Long 508 mm 30: Long 508 mm	Short 435 mm Long 562 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm Shaft extension kit available	Short 381 mm Long 508 mm Shaft extension kit available	5 • 4: Short 381 mm Long 508 mm 4 SAILMATE: Long 508 mm	3.3: Short 381 mm Long 508 mm 2.5: Short 381 mm
Loop-charged (1 carb)	Cross flow (1 carb)	Loop-charged (1 carb)	Cross flow (1 carb)	Cross flow (1 carb)	Loop-charged (1 carb)	Loop-charged (1 carb)
Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Above prop
Electric: standard Manual: N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

(5) Electric start kits available for these engines.





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