



FourStrokes OptiMax & TwoStrokes  
For Hard Work Or Family Fun



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

2003

# 225 MARINER

## OptiMax



## ***For Hard Work Or Family Fun***

Mariner's unrivalled reputation for reliability and durability has been built on the enjoyable experience of thousands of Mariner owners down the years. Whether at work or at play on the water, they know they can depend on Mariner.

Leadership at Mariner not only concerns quality. It is also about choice. Choose from three technologies.

The whispering four-strokes from 4HP through to the brand new 225HP include a series of EFI models. All are clean, quiet, smoke-free and miserly on fuel. Alternatively, experience the breathtaking acceleration and superior top speed of a direct injection Mariner OptiMax. And Mariner two-strokes, electronic fuel injection and carburetor induction versions, are the most sophisticated in their class.





## Giving You So Much More

Mariner gives you so much more for your money, so many ways to have boating fun. Look on the green colour-coded pages for four-strokes, blue for OptiMax and red for two-strokes.

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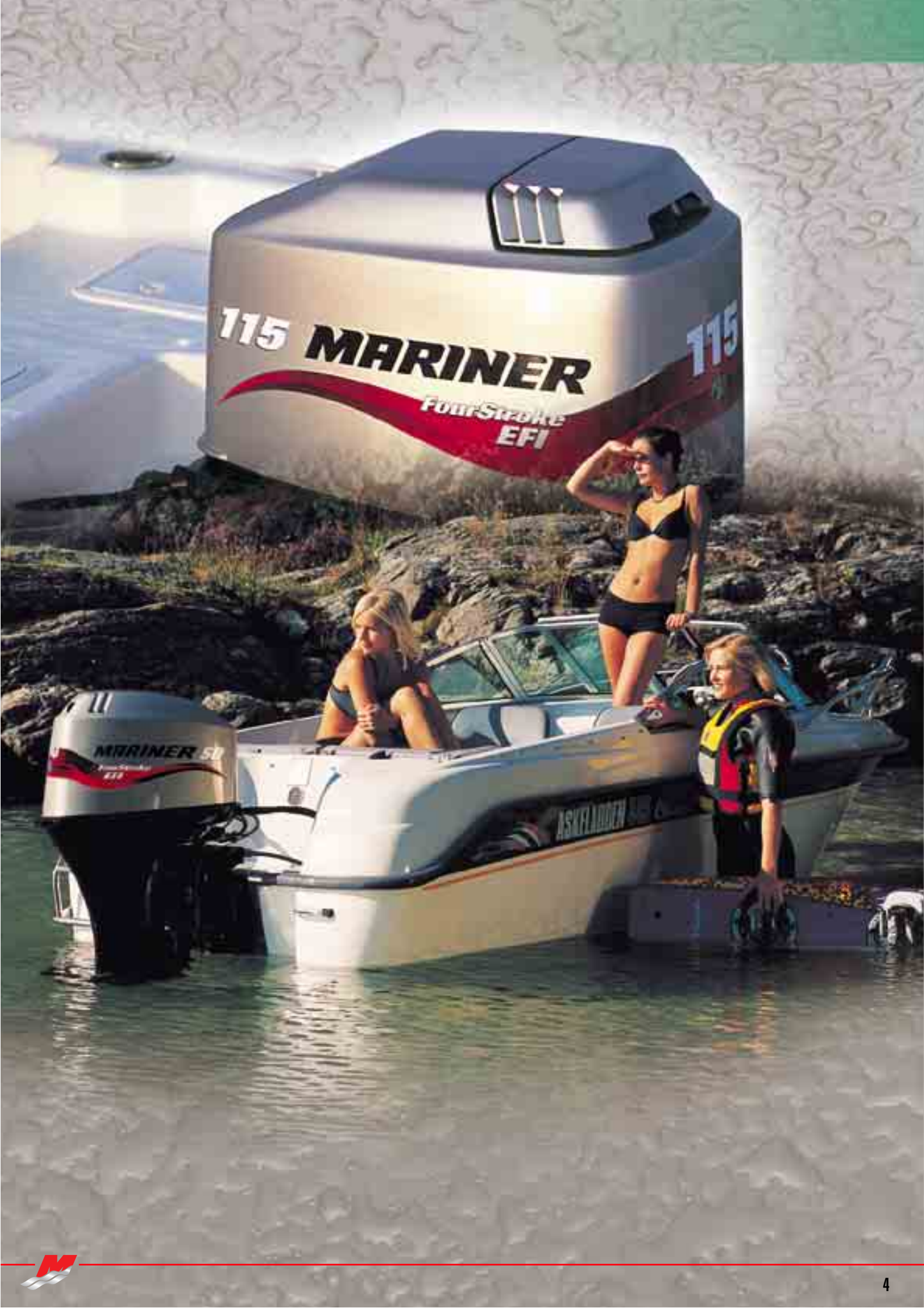
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### ***It's What's Inside That Counts***

*All 30–60HP Mariner four-stroke EFI engines use a new intake manifold system to help boost performance and reliability. Long intake runners increase low-speed torque. A nylon-reinforced composite fuel system reduces weight. Intake air temperature sensing ensures smooth running and optimum performance. There's a throttle position sensor for smooth acceleration. An ECU-controlled idle air valve provides stable idle speed under all operating conditions.*

The new 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. Clean does not have to mean slow and these latest Mariners are highly efficient out-performers. Bigfoot versions for pushing heavier loads are available, too.

There's also a new 225HP four-stroke, designed from scratch to be a marine outboard. Outstanding fuel economy means lower operating costs, and like all Mariner four-strokes, it will provide you with smooth, economical power to take you there and back in comfort and style.

## **FourStroke. Designed To Go The Distance**



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, from trolling through to wide-open throttle. Mariner four-strokes already surpass 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, as two separate systems are in place to deliver fuel/air to the cylinders and oil to the lubrication points. You'll enjoy the Mariner four-strokes experience.



**15 MARINER**  
*FourStroke*

**15**

QUICKSILVER





## **Only The Right Prop Will Do**

*Quicksilver propellers have been designed and manufactured specifically to help bring the best out of your Mariner four-stroke and boat. Choose from stainless steel or aluminium, extra-special or for everyday use.*

Four-stroke and two-stroke outboards go through the same four operations: intake, compression, ignition and exhaust. The basic difference is in the number of piston strokes and crankshaft revolutions required.

A Mariner four-stroke completes the four operations with four piston strokes and two crankshaft revolutions, twice as many as a two-stroke. It does this through intake and exhaust valves at the top of each cylinder, opening and closing independently. Four-strokes do not require a

## **FourStroke. Choose Your Technology**

mixture of petrol and oil, as two separate systems are in place to deliver fuel/air to the cylinders and oil to all necessary lubrication points.

Mariner four-strokes benefit from the quieter and smoother running, the cleanness and the fuel efficiency inherent in four-stroke technology. Enjoy the Mariner experience. Mariner four-stroke owners are supported by the dedication and skills of an international service network.







# ***FourStroke***

## ***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 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.



**225 115 90 75****Clean Mariner**

There's clean, smoke-free operation at all engine speeds, from trolling through to wide-open throttle. Mariner four-strokes already surpass the EPA 2006 emission standards (EPA stands for Environment Protection Agency).





# ***FourStroke***

## ***Durability & Performance***

Mariner durability, reliability and all-around performance are combined with extra smoothness, additional fuel economy and unheard-of quietness in the year 2003 range of Mariner four-strokes. Both Mariner 60HP EFI and 50 HP EFI are available in Bigfoot versions, complete with heavy duty gearcase and large propeller for more thrust, exceptional holding power.

Mariner 60HP EFI and 50HP EFI four-strokes ensure a really comfortable ride with big savings in fuel. They're amazingly quiet, too – features that add up to boating at its best.



**Mariner Bigfoot Benefits**

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





# ***FourStroke***

## ***Relax & Have Fun***

However you take your fun on the water, Mariner has a four-stroke partner for you. You can be sure of reliable performance, day in and day out. Now you can choose from high-precision electronic fuel injection models at both 30HP and 40HP, with the 40HP EFI also available as a four-cylinder Bigfoot. It has the same gearcase as an outboard of more than twice its power.

Or choose the smooth, carbureted three-cylinder Mariner 40HP, delivering clean combustion and outstanding midrange performance. Along with the extra fuel savings you will make comes added convenience. For instance, there's no mixing oil with petrol: more time to enjoy your boating.



40 30



### **Trolling With Mariner**

Mariner's overhead cam design allows for idling speeds as low as 750 rpm, making these four-strokes ideal for fishing boat applications.





# ***FourStroke***

## ***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. You'll be impressed by the throttle response and the liveliness. The ride is smooth and vibration-free. Mariner four-strokes are built to run cleanly and without smoke. It's trouble-free power for your boating pleasure.

There's a big performing 25HP four-stroke, a sprightly 15HP and a 9.9HP with almost 40% more torque than its predecessor. 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 new 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. Power that's whisper quiet and exceptionally smooth. Power that's clean and smoke-free.





### **Corrosion resistance**

Mariner's exclusive XK-360 low-copper aluminium alloy, combined with its multistep painting process and generous use of stainless steel, provides unparalleled corrosion resistance.









### **SmartCraft Displays & Gauges**

*Information is available at the touch of a button, without having to read multiple gauges. It's simple, direct and accurate.*

Mariner design engineers produce outboard engines which are the industry benchmark for reliable power on the water. Now, they are giving you absolute control as well. Your means of control is SmartCraft, the world's most advanced marine system of its kind.

SmartCraft is a totally integrated system for providing engine, boat and environmental information to give you unfailing confidence.

It processes the wealth of data provided by the OptiMax electronic control module, making it available on screen or on multi-purpose gauges. The digital data link between the engine and gauges automatically allows for performance and condition readouts, gives audible warnings and makes

## **SmartCraft. Absolute Control Is Yours**

engine adjustments if necessary. It can be used on virtually any boat with OptiMax power.

SmartCraft is a total boating system for total boating control. Look for the SmartCraft diamond.

### **SMARTCRAFT FEATURES INSIGHT**

With SmartCraft there's no guesswork, no estimating. Everything is at hand.

Just three of SmartCraft's features are Engine Guardian, which monitors critical engine sensors for any indication of problems and automatically takes action to avoid engine damage; Fuel Management System, monitoring and calculating fuel level, fuel flow, consumption and travel range; plus TrollControl, maintaining constant speed once you set your desired rpm, right down to 550rpm.

These are just some of the features which makes SmartCraft the smartest system on water.







## **OptiMax Means Better Performance**

*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.*

When you think big power, think big economy, think environmental friendliness, you just have to be thinking Mariner OptiMax. Mariner OptiMax V6 outboards have changed all the rules. They've changed the way people go boating. OptiMax engines are proving to be the most reliable, efficient and thoroughly-engineered marine engines of all time.

The boating world is marvelling at the smoke-free and ultra-quiet characteristics of the incredibly smooth OptiMax.

## **OptiMax. Changing The Way You Go Boating**

Marvelling still further at the acceleration and top-end performance. Plus the 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 gives you a wealth of information and help, for added peace of mind.

You can go further, get there faster and stay out longer. You're invited to join in the OptiMax revolution. It's a whole new way of thinking, a whole new dimension to boating.





## ***OptiMax***



### ***The Smartest Power On The Water***

OptiMax technology starts with the acceleration, top speed, durability and dependability you've come to expect from Mariner. At the top of the power range are the 3-litre 200HP and 225HP power packages, combining outstanding performance with best-in-class running qualities.

Slim, 60° angle V6 powerheads with large displacement provide this power and performance. The sophisticated engine management system compensates automatically for the slightest change in load, wave action or weather conditions. Then there's the OptiMax direct injection fuel system, providing the means to burn off the fuel more completely than ever before, resulting in huge economies and clean, smokeless operation that's misfire-free.

Mariner OptiMax is the new benchmark for outboard power.



**225 200****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.*





## ***OptiMax***



### ***Let The Performance Begin***

Mariner OptiMax has set the standards for new-technology, low emissions outboards, providing you with unprecedented power, performance and reliability. You can look forward to peak efficiency at all times, translated into an average 45% saving in petrol, smooth and virtually smoke-free operation, plus dramatic reductions in emissions.

The major difference is the fuel system. A high pressure fuel-air mixture is injected directly into each cylinder and burned up after the exhaust ports have closed. The OptiMax technology eliminates the escape of unburned fuel. The range is completed by 2.5-litre models rated at 175HP, 150HP and 135HP. These are fuel-efficient power sources to give you a whole new sensation on the water.



175 150 135



### **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.







# EFI

## **Mariner's EFI Factor**

*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, gear-driven oil injection, plus a high-power alternator and battery charging system.*

Mariner's highly popular EFI and naturally aspirated two-strokes, from single-cylinder portables to the big-capacity, high performing V6s, 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.

## **TwoStroke. Proving Their Worth Every Time**

And 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.





## ***TwoStroke***



### ***Designed To Thrive***

This is the widest selection of tough, dependable, high-technology V6 outboards in the business. Mariners are designed to thrive, no matter what the conditions. They are tested against the elements, tested against the competition: and the contest is no contest. This is big Mariner power for serious boating.

Enjoy the EFI bonus of first time, every time starting in all weathers. Precisely metered fuel for maximum efficiency. Plus an electronic control module (ECM) to make sure that your Mariner runs perfectly. Or go for one of the splendid naturally-aspirated Mariner V6 outboards. Their carburation has been devised for the smoothest possible idle and off-idle running. Most have a special sound attenuator to help the carb breathe easily and quietly.





### **Carburetor Consistency**

*The naturally aspirated, carburetor-based fuel system adds up to smooth, consistent operation. This is thoroughly-proven technology. There's loop-charged induction for improved fuel economy, reliable gear-driven oil injection and a really powerful alternator.*





## ***TwoStroke***

### ***More Engine Lots More Fun***

Mariner gives you so much more for your money, so many ways to have boating fun, such a lot for the family to enjoy. The Mariner 75HP through 125HP have the highest displacement in their two-stroke horsepower classifications. That means you get more power, more flexibility. They're built from Mariner's XK-360 low-copper aluminium alloy and premium grade stainless steel, fighting off corrosion.

Each of these Mariners has a large, regulated alternator to run a host of accessories, the fuel economy advantage of loop charged induction, self-contained integral power trim for extra convenience, optimised high-capacity water pump and advanced cooling system for all-conditions consistency, plus CDM ignition with separate coils for each plug, maximising reliability.



**115 90 75**

### **Mariner Midrange Performance**

*There's a large, regulated alternator to keep batteries charged for quick starts and smooth operation. The advanced carburetor design gives improved fuel economy. A high-capacity water pump and freshwater flush system minimise salt and deposits in the cooling system. And there's a water-separating fuel filter to keep debris and water away from your engine.*





## ***TwoStroke***

### ***Boating For The Whole Family***

Three-cylinder and two-cylinder Mariners are big displacement engines designed to work as hard as you want and let you include the whole family in your fun on the water. The extra-capacity 966cc powerheads on the three-cylinder 40HP, 50HP, 60HP and 60HP Bigfoot provide all the acceleration and top speed to take you wherever you want to go. The powerheads are lost-foam cast, a process which eliminates the need for many gaskets and bolts, adding strength to the Mariner engine.

Mariner's two-cylinder workhorses at 20HP, 25HP, 30HP and 40HP are built for durability and reliability, with a host of plus-features to give your boating that performance edge. There's a special Mariner 30 with a 429cc powerhead, ideal for lightweight boats. This engine weighs a mere 51kg. These Mariners are rugged power companions.





### **Making Light Of Heavy Work**

Making a living on the water can be hard work. You need the help of a Mariner Marathon to lighten your load. The Marathon family of workhorses starts with the 262cc 10HP and runs through 15HP, 25HP, 40HP, 55HP, 60HP and 75HP models to the 3-litre top-of-the-range V6 Mariner Marathon, with electronic fuel injection.







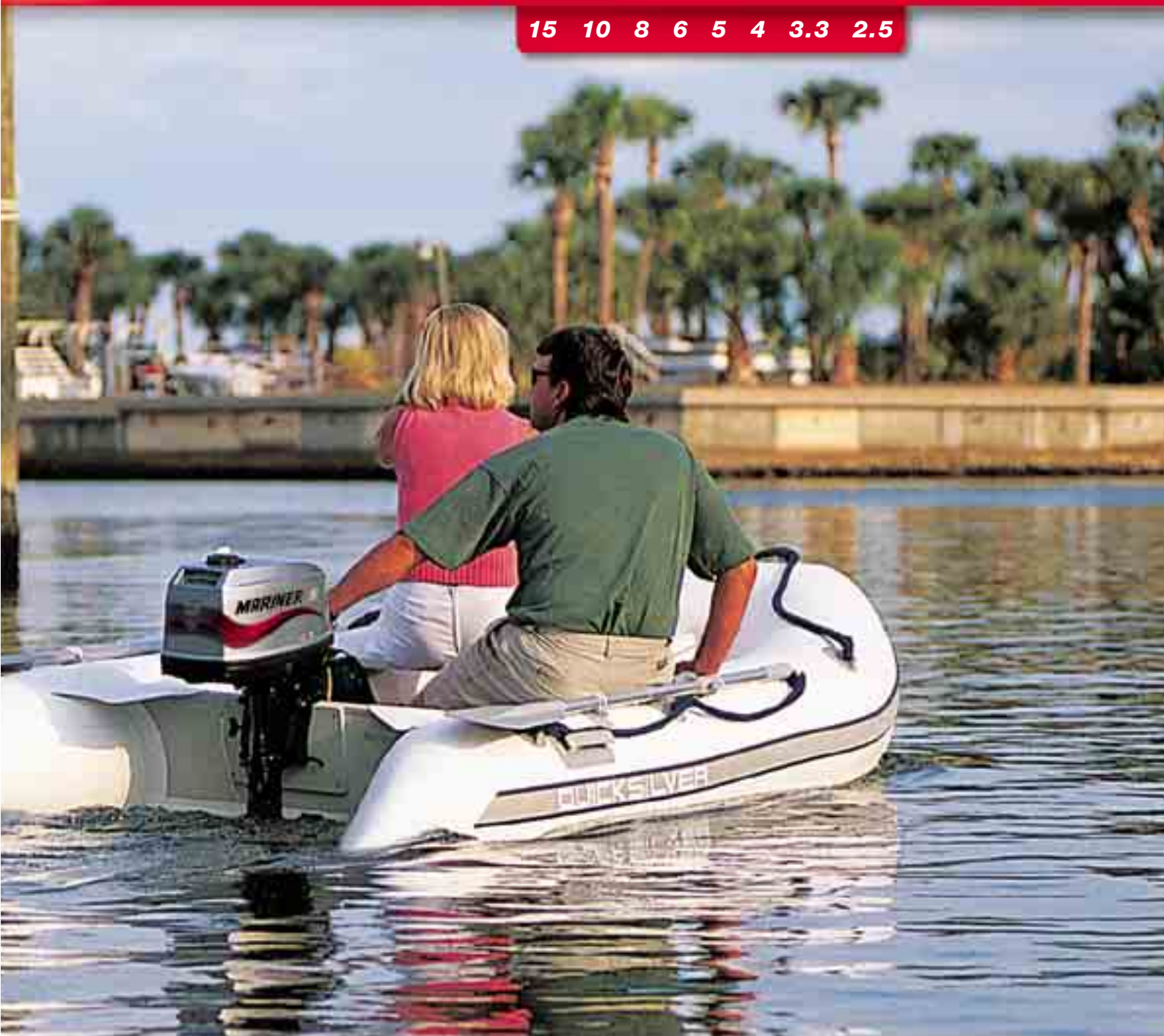
## ***TwoStroke***

### ***Maximum Fun With Minimum Fuss***

Lightweight Mariners may be smaller in horsepower but they stay really big on boating benefits. They're designed to bring you maximum fun with a minimum of fuss. Innovations include one-handed tiller operation, exclusive fingertip control co-pilot for adjusting steering resistance as you go, plus shallow water drive to let you run trimmed-out in low water.

Mariner's red stator ignition system, automatic decompression ports, large flywheel and state-of-the-art priming make starting really easy. There's extra quietness from an insulated one-piece cowl and anti-drag through-prop exhaust for improved fuel economy. Use of low-copper aluminium alloy and top grade stainless steel combat saltwater corrosion. Mariner SailMate yacht auxiliaries feature dual-thrust propellers to give your boat turning power in forward or reverse and automatic exhaust relief ports which allow full reverse power to stop quickly.





### Keep It Safe

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.



# MARINER FOUR-STROKES

	225-75				60-50		40-30			
Model <sup>(1)</sup>	LIMITED EDITION 225 EFI	115 EFI	90	75	60 EFI + EFI BIGFOOT	50 EFI + EFI BIGFOOT	40 EFI BIGFOOT	40 EFI	40 3 CYL.	30 EFI
Kilowatts <sup>(2)</sup>	167.8 kW	85.8 kW	67.1 kW	55.9 kW	44.7 kW	37.3 kW	29.4 kW	29.4 kW	29.4 kW	22.4 kW
Max. RPM at Full Throttle	5000-6000	5000-6000	5000-6000	4500-5500	5500-6000	5500-6000	5500-6000	5500-6000	5500-6000	5500-6000
Cylinders	V6	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	3	3	3
Displacement	3352 cc	1741 cc	1596 cc	1596 cc	995 cc	995 cc	995 cc	747 cc	747 cc	747 cc
Bore / Stroke	94 mm × 80.5 mm	79 mm × 88.8 mm	79 mm × 81.4 mm	79 mm × 81.4 mm	65 mm × 75 mm	65 mm × 75 mm	65 mm × 75 mm	65 mm × 75 mm	65 mm × 75 mm	65 mm × 75 mm
Cooling System	Water cooled w/ thermostat & 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	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat
Ignition	Inductive Electronic	Inductive Electronic	CDI w/ electric spark advance	CDI w/ electric spark advance	ECM 555 Digital Inductive	ECM 555 Digital Inductive	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)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Manual	Electric (turnkey)
Gear Ratio	2.00:1	2.07:1	2.33:1	2.33:1	1.83:1 BIGFOOT: 2.33:1	1.83:1 BIGFOOT: 2.33:1	2.33:1	2.00:1	2.00:1	2.00:1
Gear Shift	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Steering	Remote	Remote	Remote	Remote	Tiller or Remote	Tiller or Remote	Tiller or Remote	Tiller or Remote	Tiller	Tiller or Remote
Alternator System <sup>(3)</sup>	45 amp (564 watt)	25 amp (315 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator	6 amp (76 watt) w/ voltage regulator	20 amp (252 watt) w/ voltage regulator
Trim Positions	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Gas assist and Power trim models available	Gas assist	Gas assist and Power trim models available
Fuel Tank	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Fuel Requirements	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.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.
Weight <sup>(4)</sup>	265 kg	175 kg	175 kg	175 kg	112 kg BIGFOOT: 120 kg	112 kg BIGFOOT: 120 kg	109 kg	98 kg	93 kg	98 kg
Recommended Boat Transom Height	XL 635 mm	Long 508 mm	Long 508 mm	Long 508 mm	Long 508 mm	Long 508 mm	Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm
Induction System	4-valve dual overhead cam design	4-valve dual overhead cam design	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	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	Through prop	Through prop	Through prop
Oil Injection	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Counter Rotation	Available	N/A	N/A	N/A	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.

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





# MARINER OPTIMAX

25-4						225-200		175-135				
25	15 + BIGFOOT	9.9	6	5	4 + SAILMATE	225 OPTIMAX	200 OPTIMAX	175 OPTIMAX	150 OPTIMAX	135 OPTIMAX	250 EFI	225 MAG EFI/ EFI
18.6 kW	11.2 kW	7.4 kW	4.5 kW	3.68 kW	3.0 kW	167.8 kW	149.1 kW	130.5 kW	111.9 kW	100.7 kW	186.4 kW	167.8 kW
5250-5750	4500-5500	4500-5500	5000-6000	4500-5500	4500-5500	5000-5750	5000-5750	5250-5750	5000-5600	5000-5600	5000-5800	5000-5800
2	2	2	1	1	1	V-6 (60° vee)	V-6 (60° vee)	V-6 (60° Vee)	V-6 (60° vee)	V-6 (60° vee)	V-6 (60° vee)	V-6 (60° vee)
498 cc	323 cc	323 cc	123 cc	123 cc	123 cc	3032 cc	3032 cc	2507 cc	2507 cc	2507 cc	3032 cc	3032 cc
65 mm × 75 mm	59 mm × 59 mm	59 mm × 59 mm	59 mm × 45 mm	59 mm × 45 mm	59 mm × 45 mm	92 mm × 76 mm	92 mm × 76 mm	89 mm × 67 mm	89 mm × 67 mm	89 mm × 67 mm	92 mm × 76 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	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	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
CDI w/ electric spark advance	CDI w/ electric spark advance	CDI w/ electric spark advance	Capacitor discharge	Capacitor discharge	Capacitor discharge	PCM 555 Digital Inductive	PCM 555 Digital Inductive	PCM 555 Digital Inductive	PCM 555 Digital Inductive	PCM 555 Digital Inductive	PCM 555 Digital Inductive	PCM 555 Digital Inductive
Manual or Electric	Manual or Electric	Manual or Electric	Manual	Manual	Manual	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)
2.42:1	2.01:1 BIGFOOT: 2.42:1	2.01:1	2.15:1	2.15:1	2.15:1	1.75:1	1.75:1	1.87:1	1.87:1	2.00:1	1.75:1	1.75:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	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	Tiller or Remote	Tiller	Tiller	Tiller	Remote	Remote	Remote	Remote	Remote	Remote	Remote
Manual 6 amp (76 watt) Electric 15 amp (189 watt)	Manual 6 amp (76 watt) Electric 10 amp (126 watt) w/ voltage regulator	Manual 6 amp (76 watt) Electric 10 amp (126 watt) w/ voltage regulator	Optional 4 amp (50 watt)	Optional 4 amp (50 watt)	Optional 4 amp (50 watt) SAILMATE: Standard with rectifier	Belt Driven 60 amp (756 watt) w/ voltage regulator	Belt Driven 60 amp (756 watt) w/ voltage regulator	Belt Driven 60 amp (756 watt) w/ voltage regulator	Belt Driven 60 amp (756 watt) w/ voltage regulator	Belt Driven 60 amp (756 watt) w/ voltage regulator	Belt driven 60 amp (756 watt) w/ voltage regulator	Belt driven 60 amp (756 watt) w/ voltage regulator
Manual: gas assist Electric: 5 + shallow water (Power trim optional)	5 & shallow water drive Standard: M, ML (Optional: E, EL)	5 & shallow water drive Standard: M, ML (Optional: EL)	6 & shallow water drive	6 & shallow water drive	6 & shallow water drive	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard
Standard	Standard	Standard	Standard	Standard	Integral 1.1 litre	Optional	Optional	Optional	Optional	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.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Leaded or unleaded 90 RON min.	Leaded or unleaded 90 RON min.
80 kg	50 kg BIGFOOT: 58 kg	50 kg	25 kg	25 kg	25 kg	225 kg	225 kg	195 kg	195 kg	195 kg	216 kg	MAG EFI: 214 kg EFI: 216 kg
Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm SAILMATE: Long 508 mm	Long 508 mm XL 635 mm	Long 508 mm XL 635 mm	Long 508 mm	Long 508 mm XL 635 mm	Long 508 mm XL 635 mm	XL 635 mm	MAG EFI: Long 508 mm EFI: XL 635 mm
2-valve single overhead cam design	2-valve single overhead cam design	2-valve single overhead cam design	Overhead 2-valve pushrod	Overhead 2-valve pushrod	Overhead 2-valve pushrod	2-stage direct fuel injection	2-stage direct fuel injection	2-stage direct fuel injection	2-stage direct fuel injection	2-stage direct fuel injection	Loop-charged (EFI)	Loop-charged (EFI)
Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
N/A	N/A	N/A	N/A	N/A	N/A	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Standard	Standard
N/A	N/A	N/A	N/A	N/A	N/A	Available on XL models only	Available on XL models only	N/A	Available on XL models only	Available on XL models only	Model available	Available on XL models only

(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.

# MARINER TWO-STROKES

250-150				125-75				60-			
200 MAG EFI/ EFI	200	150 MAG EFI/ EFI	150 MAG III	125	115	90	75	60 + BIGFOOT	50	40 3 CYL.	40 2 CYL.
149.1 kW	149.1 kW	111.9 kW	111.9 kW	93.2 kW	85.8 kW	67.1 kW	55.9 kW	44.7 kW	37.3 kW	29.4 kW	29.4 kW
5000-5800	5000-5600	5000-5600	5000-5600	4750-5250	4750-5250	5000-5500	4750-5250	5000-5500	5000-5500	5000-5500	4500-5500
V-6 (60° vee)	V-6 (60° vee)	V-6 (60° vee)	V-6 (60° vee)	4 (in-line)	4 (in-line)	3	3	3	3	3	2
2507 cc	2507 cc	2507 cc	2507 cc	1848 cc	1848 cc	1386 cc	1386 cc	966 cc	966 cc	966 cc	644 cc
89 mm × 67 mm	89 mm × 67 mm	89 mm × 67 mm	89 mm × 67 mm	89 mm × 75 mm	89 mm × 75 mm	89 mm × 75 mm	89 mm × 75 mm	76 mm × 71 mm	76 mm × 71 mm	76 mm × 71 mm	76 mm × 71 mm
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 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	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat and pressure controlled
PCM 555 Digital Inductive	Modular CDI	PCM 555 Digital Inductive	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI
Electric (turnkey)	Electric	Electric (turnkey)	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Manual or Electric
1.87:1	1.87:1	1.87:1	1.87:1	2.07:1	2.07:1	2.30:1	2.30:1	1.64:1 BIGFOOT: 2.30:1	1.83:1	1.83:1	2.00:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Tiller std: M Optional: E, EL Remote std: E, EL Optional: M
Belt driven 60 amp (756 watt) w/ voltage regulator	40 amp (504 watt) w/ dual voltage regulators	Belt driven 60 amp (756 watt) w/ voltage regulator	40 amp (504 watt) w/ dual voltage regulators	18 amp (227 watt) w/ voltage regulator	18 amp (227 watt) w/ voltage regulator	18 amp (227 watt) w/ voltage regulator	18 amp (227 watt) w/ voltage regulator	16 amp (201 watt) w/ voltage regulator	16 amp (201 watt) w/ voltage regulator	16 amp (201 watt) w/ voltage regulator	Electric: 18 amp (227 watt) w/ voltage regulator Manual: 10 amp (126 watt)
Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Power trim standard	Gas assist (Power trim optional) BIGFOOT: Power trim standard	Gas assist (Power trim optional)	Power trim standard	5 and shallow water drive (Power trim optional)
Optional	Optional	Optional	Optional	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
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.	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.
MAG EFI: 193 kg EFI: 196 kg	184 kg	MAG EFI: 193 kg EFI: 196 kg	184 kg	158 kg	158 kg	139 kg	139 kg	100 kg BIGFOOT: 109 kg	93 kg	93 kg	75 kg
MAG EFI: Long 508 mm EFI: XL 635 mm	Long 508 mm XL 635 mm	MAG EFI: Long 508 mm EFI: XL 635 mm	Long 508 mm XL 635 mm	Long 508 mm	Long 508 mm	Long 508 mm Shaft extension kit available XL 635 mm	Long 508 mm Shaft extension kit available XL 635 mm	Short 381 mm Long 508 mm BIGFOOT: Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm
Loop-charged (EFI)	Loop-charged (3 carb)	Loop-charged (EFI)	Loop-charged (3 carb)	Loop-charged (4 carb)	Loop-charged (4 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)	Loop-charged (1 carb)
Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Electric: standard Manual: N/A
Available on XL models only	Available on XL models only	Available on XL models only	Available on XL models only	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(3) Requires rectifier to complete installation manual versions. Standard on 4 and 8 Sailmate models.

(4) Dry weight specification is for lightest model and excludes engine oil, rigging hardware and propeller.



# MARINER TWO-STROKES

20				15-2.5							
30 644 cc	30 429 cc	25	20	15	10	8 + SAILMATE	6	5	4 + SAILMATE	3.3	2.5
22.4 kW	22.4 kW	18.6 kW	14.9 kW	11.2 kW	7.4 kW	6.0 kW	4.5 kW	3.68 kW	3.0 kW	2.5 kW	1.9 kW
4500-5500	4800-5500	5000-6000	4500-5500	5000-6000	5000-6000	4500-5500	4000-5000	4000-5000	4500-5500	4500-5500	4000-5000
2	2	2	2	2	2	2	2	1	1	1	1
644 cc	429 cc	400 cc	400 cc	262 cc	262 cc	210 cc	210 cc	102 cc	102 cc	74.6 cc	74.6 cc
76 mm × 71 mm	68 mm × 59 mm	65 mm × 60 mm	65 mm × 60 mm	60 mm × 46 mm	60 mm × 46 mm	54 mm × 45 mm	54 mm × 45 mm	55 mm × 43 mm	55 mm × 43 mm	47 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 w/ thermostat	Water cooled w/ thermostat	Water cooled w/ thermostat	Water cooled	Water cooled	Water cooled	Water cooled
Modular CDI	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge
Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual	Manual	Manual <sup>(5)</sup>	Manual <sup>(5)</sup>	Manual	Manual	Manual	Manual
2.00:1	1.92:1	2.25:1	2.25:1	2.00:1	2.00:1	2.00:1	2.00:1	2.15:1	2.15:1	2.15:1	1.85:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	Forward-neutral	Forward
Remote	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: EL	Tiller: M, ML	Tiller: M, ML	Tiller handle (Remote optional)	Tiller handle (Remote optional)	Tiller handle (360°) (Remote optional)	Tiller handle (360°) (Remote optional) SAILMATE: Tiller handle (Remote optional)	Tiller handle (360°)	Tiller handle (360°)
18 amp (227 watt) w/ voltage regulator	6 amp (80 watt)	Standard: E, EL, ML Optional: M 6 amp (76 watt)	Standard: EL, ML Optional: M 6 amp (76 watt)	Standard: ML Optional: M 6 amp (76 watt)	Standard: ML Optional: M 6 amp (76 watt)	Optional 6 amp (76 watt) SAILMATE: Standard 6 amp (76 watt) with rectifier	Standard: ML Optional: M 6 amp (76 watt)	Standard: ML Optional: M 4 amp (50 watt)	Optional 4 amp (50 watt) SAILMATE: Standard with rectifier	N/A	N/A
5 and shallow water drive (Power trim optional)	6	5 and shallow water drive Standard: M, ML (Optional: E, EL)	5 and shallow water drive Standard: M, ML (Optional: EL)	3 and 3 shallow water drive positions	3 and 3 shallow water drive positions	3 and 3 shallow water drive positions	3 and 3 shallow water drive positions	6 and shallow water drive	6 and shallow water drive	4	4
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard + Integral 2.5 litres	Integral 2.5 litres	Integral 1.4 litre	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.	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.
80 kg	51 kg	52 kg	52 kg	35 kg	35 kg	31 kg	31 kg	20 kg	20 kg SAILMATE: 21 kg	13 kg	13 kg
Long 508 mm	Short 435 mm Long 562 mm	Short 381 mm Long 508 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	Short 381 mm Long 508 mm. Shaft extension kit available SAILMATE: Long 508 mm	Short 381 mm Long 508 mm Shaft extension kit available	Short 381 mm Long 508 mm	Short 381 mm Long 508 mm SAILMATE: Long 508 mm	Short 381 mm Long 508 mm	Short 381 mm
Loop-charged (1 carb)	Cross flow (1 carb)	Loop-charged (1 carb)	Loop-charged (1 carb)	Cross flow (1 carb)	Cross flow (1 carb)	Cross flow (1 carb)	Cross flow (1 carb)	Loop-charged (1 carb)	Loop-charged (1 carb)	Loop-charged (1 carb)	Loop-charged (1 carb)
Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Above prop	Above prop
Standard	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	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.



## ***Quicksilver Quality & Protection***

As a proud Mariner owner you will want to be sure you're maintaining your outboard with the best parts and accessories available. Quicksilver's premium line of engine parts, accessories, oils, lubricants and engine-care items have been designed to offer maximum protection for your engine and to help you make the most of your boating time.

Quicksilver products are available from all Mariner service dealers.



## ***So Much Smarter***

SmartCraft™ gauges make everything that much smarter. No longer is there need for multiple gauges. With Smartcraft, all of your information is available at the touch of a button. It's simple, direct and accurate. It lets you monitor a host of engine functions and manage your fuel for peak performance. You can set a target boat speed or rpm. For trolling, you can set the engine to idle at up to 1000 rpm in any kind of water. And the SmartCraft system is rounded out by the exclusive Engine Guardian™ system, monitoring over 40 sensors and actuators and automatically reducing engine speed if problems are found.



## ***Choosing the Right Prop***

Quicksilver propellers have been designed and manufactured to help bring the best out of your boat and engine. Choose from stainless steel or aluminium, extra-special or for everyday use. Your Mariner dealer will be pleased to give you advice and help with fitting precisely the right propeller. And don't forget to carry a spare.





## ***Patrol Boats & Rescue Craft The Choice Of The Professionals***

Mariner's proven reliability and efficient power is the choice of professionals who have to go boating. From military, customs and police boats through to search and rescue craft and on to fishing boats around the world, Mariner answers all of the questions asked by tough environments and requirements on the water.

The acceleration, top speed and operating range of Mariner OptiMax direct injection outboards has added them to the commercial shopping list which has always included Mariner V6 engines and the tough in-line-cylinder models in the range. The fuel economy and environmental characteristics of Mariner four-strokes also attract owners and operators of workboats in big numbers.

When you earn your living from work on the water, you have to know that you can rely on the power to get you there and back. Mariner's reputation has been built on satisfying such important needs.



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