



MARINER

MARINER



FourStrokes • OptiMax • TwoStrokes

www.marinepower.com

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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 250HP.

The whispering four-strokes from the lightweight 4HP through to the six-cylinder 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. There are three extra OptiMax models for 2004. Or go for a Mariner two-stroke, electronic fuel injection or carburetor induction, and the most sophisticated in their class.



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

FourStroke Technology & Benefits	4-5
FourStroke 225 / 115 / 90 / 75	6-7
FourStroke 60 / 50	8-9
FourStroke 40 / 30	10-11
FourStroke 25 / 15 / 9.9 / 6 / 5 / 4	12-13

OptiMax

OptiMax Technology & Benefits	14-15
OptiMax 225 / 200	16-17
OptiMax 175 / 150 / 135	18-19
OptiMax 115 / 90 / 75	20-21

Mariner Durability

Power and performance to run and run

Mariner Reliability

Maximum fun with minimum fuss

Mariner Value

So much more outboard for your money

Mariner Technology

Industry firsts such as EFI and SmartCraft™

Mariner Choice

Four-strokes, OptiMax and two-strokes

TwoStroke

TwoStroke Technology & Benefits	22-23
TwoStroke 250 / 225 / 200 / 150	24-25
TwoStroke 125 / 115 / 90 / 75 / 60 / 50 / 40 / 30	26-27
TwoStroke 25 / 20 / 15 / 10 / 8 / 6 / 5 / 4 / 3.3 / 2.5	28-29

Specifications	30-33
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SmartCraft	34-35
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Quicksilver Parts & Accessories	36
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Clean & Mean

MARINER FourStroke

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 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. These latest Mariners are highly efficient out-performers and are SmartCraft enabled. Read about SmartCraft total vessel intelligence on pages 34 and 35.

BigFoot versions for pushing heavier loads are available, too. There's also a 225HP four-stroke, designed from scratch to be a marine outboard.

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.

Power To Rely On

225 EFI	40
115 EFI	30 EFI
90	25
75	15
60 EFI	15 BigFoot
60 EFI BigFoot	9.9
50 EFI	6
50 EFI BigFoot	5
40 EFI BigFoot	4
40 EFI	4 SailMate





Mariner FourStroke



Leading The Way

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



Going 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.



Running Cleaner

Mariner four-stroke technology already exceeds the EPA's emission standards for year 2006. And Mariner offers the most 3-Star ultra low emission outboards.



Staying Quieter

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



Safe & Sure

Mariner's 60-50-40-30HP EFIs benefit from SmartCraft, integrating all of your boat's controls and systems into one finely-tuned unit. Read about SmartCraft on pages 34 and 35.



Mariner four-strokes, from 4HP to 225HP, are fuel-efficient, clean running and ultra-quiet.



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.



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 2004 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.

60 50

**Mariner Bigfoot Benefits**

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



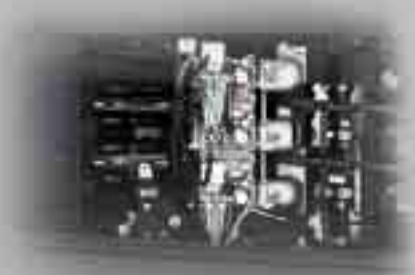


FourStroke

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.



Smarter In Every Way

MARINER

OptiMax

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.



Power To Rely On

225	200	175	150	135	115	90	75
NEW							





Mariner OptiMax



Economy

Mariner OptiMax increases your boating range per fill-up dramatically, with an average 45% saving in fuel and as much as 80% at idle.



Speed

Mariner OptiMax goes faster, producing better hole shot and higher top speed. It's the power you can count on for top boating performance.



Quality

Mariner OptiMax, throughout the range, already exceeds the EPA's emission standards for the year 2006. There is instant turn-key starting and smokeless operation.



Technology

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



Durability

Mariner OptiMax is complete with a 3-year factory warranty, showing the manufacturer's confidence in the durability and reliability of this award-winning engine.



Mariner's testing facility is the most advanced testing centre of its kind in the world.



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.



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.



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.





OptiMax



More Power Less Weight

Mariner's new-for-2004 OptiMax 115, 90 and 75 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.

115 90 75

**3-Star Rating**

Mariner's new 1.5-litre OptiMax family is 3-Star CARB rated for really low emissions.



Everything You Look For

MARINER

TwoStroke

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.



Power To Rely On

250 EFI	40 3 cyl.
225 MAG EFI	40 2 cyl.
225 EFI	30 644 cc
200 MAG EFI	30 429 cc
200 EFI	25
200	20
150 MAG EFI	15
150 EFI	10
150 MAG III	8
125	6
115	5
90	4
75	4 SailMate
60	3.3
60 BigFoot	2.5
50	



Mariner TwoStrokes

The Power

Mariner two-strokes include the highest displacement engines in their horsepower classifications.

The Performance

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

The Choice

Mariner two-strokes include the mighty V6 EFIs, through the widest choice of mid-range performers, to compact portables, including outboards designed specially for sailboats.

The Support

Mariner two-strokes are backed by a fully trained and equipped international sales and service dealer network.

The Durability

Mariner two-strokes feature unparalleled corrosion resistance, above and below the waterline, backed by the industry's only 3-year corrosion failure warranty.



Today, carbureted Mariner two-strokes offer the same tough, dependable performance that's made them the trusted choice for generations.

EFI

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.





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 30HP through 125HP include the highest displacements 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.

The two-strokes range is typified by Mariners with large, regulated alternators 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.



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.





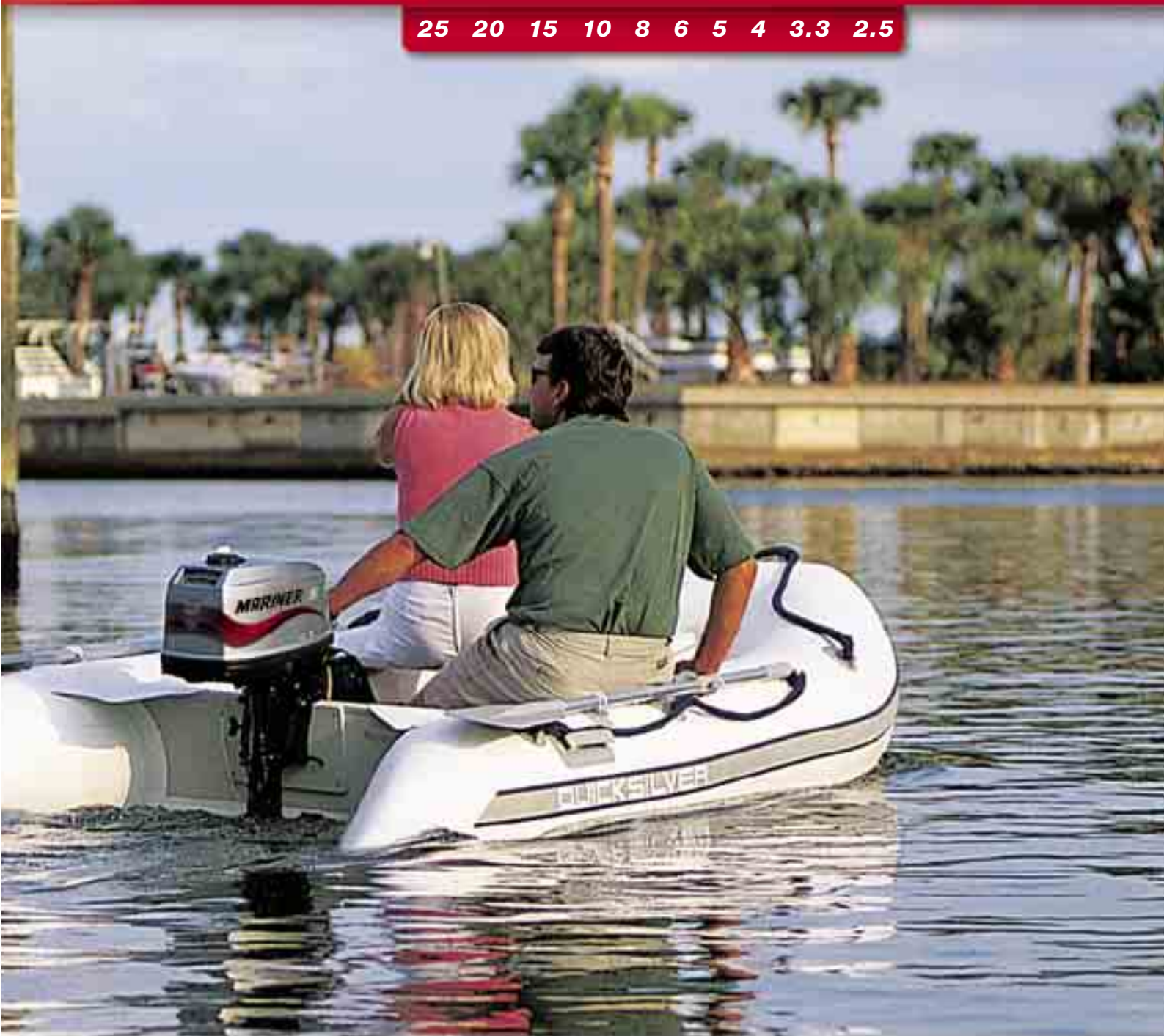
TwoStroke

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.

With the compact lightweights, 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.

25 20 15 10 8 6 5 4 3.3 2.5



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 ⁽¹⁾	225 EFI	115 EFI	90	75	60 EFI + EFI BIGFOOT	50 EFI + EFI BIGFOOT	40 EFI BIGFOOT	40 EFI	40	30 EFI	25
Kilowatts ⁽²⁾	167.8 kW	85.7 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	18.6 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	5250-5750
Cylinders	V6	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	3	3	3	2
Displacement	3352 cc	1741 cc	1596 cc	1596 cc	995 cc	995 cc	995 cc	747 cc	747 cc	747 cc	498 cc
Bore / Stroke	94 mm × 80.5 mm	79 mm × 89 mm	79 mm × 81 mm	79 mm × 81 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	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	Water cooled w/ thermostat
Ignition	Inductive Electronic	CDI w/ electric spark advance	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	CDI w/ electric spark advance
Starting	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Manual	Electric (turnkey)	Manual or 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	2.42:1
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	F-N-R
Steering	Remote	Remote	Remote	Remote	Tiller or Remote	Tiller or Remote	Tiller or Remote	Tiller or Remote	Tiller	Tiller or Remote	Tiller or Remote
Alternator System ⁽³⁾	45 amp (564 watt)	25 amp (315 watt)	20 amp (252 watt)	20 amp (252 watt)	18 amp (223 watt)	18 amp (223 watt)	18 amp (223 watt)	18 amp (223 watt)	6 amp (76 watt)	18 amp (223 watt)	Manual 6 amp (76 watt) Electric 15 amp (189 watt)
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	Manual: gas assist Electric: 5 + shallow water (Power trim optional)
Fuel Tank	Optional	Optional	Optional	Optional	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.	Unleaded 90 RON min.
Weight ⁽⁴⁾	265 kg	175 kg	175 kg	175 kg	112 kg BIGFOOT: 120 kg	112 kg BIGFOOT: 120 kg	120 kg	98 kg	93 kg	98 kg	80 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	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	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	Through prop
Oil Injection	N/A	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	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.

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.



MARINER OPTIMAX

25-4					225-200		175-135			115-75		
15 + BIGFOOT	9.9	6	5	4 + SAILMATE	225 OPTIMAX	200 OPTIMAX	175 OPTIMAX	150 OPTIMAX	135 OPTIMAX	NEW 115 OPTIMAX	NEW 90 OPTIMAX	NEW 75 OPTIMAX
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	85.8 kW	67.1 kW	55.9 kW
4500-5500	4500-5500	5000-6000	4500-5500	4500-5500	5000-5750	5000-5750	5250-5750	5250-5750	5000-5600	5000-5750	5000-5750	5000-5750
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)	3 (in-line)	3 (in-line)	3 (in-line)
323 cc	323 cc	123 cc	123 cc	123 cc	3032 cc	3032 cc	2507 cc	2507 cc	2507 cc	1526 cc	1526 cc	1526 cc
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	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 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
CDI w/ electric spark advance	CDI w/ electric spark advance	Capacitor discharge	Capacitor discharge	Capacitor discharge	PCM 038	PCM 038	PCM 038	PCM 038	PCM 038	PCM 038	PCM 038	PCM 038
Manual or Electric (turnkey)	Manual or Electric (turnkey)	Manual	Manual	Manual	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)
2.00:1 BIGFOOT: 2.42:1	2.00:1	2.15:1	2.15:1	2.15:1	1.75:1	1.75:1	1.87:1	1.87:1	2.00:1	2.07:1	2.33:1	2.33:1
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	Tiller	Tiller	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote
Manual 6 amp (76 watt) Electric 10 amp (126 watt)	Manual 6 amp (76 watt) Electric 10 amp (126 watt)	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging SAILMATE: Stan- dard with rectifier	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)	Belt Driven 60 amp (756 watt)
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	Power trim standard
Standard	Standard	Standard	Standard	Integral 1.1 litre	Optional	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.	Unleaded 90 RON min.	Unleaded 90 RON min.
50 kg BIGFOOT: 58 kg	50 kg	25 kg	25 kg	25 kg	225 kg	225 kg	195 kg	195 kg	195 kg	170 kg	163 kg	163 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 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	Long 508 mm XL 635 mm	Long 508 mm	Long 508 mm
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	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	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
N/A	N/A	N/A	N/A	N/A	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint	Electronic multipoint
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	N/A	N/A	N/A

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

(5) Electric start kits available for these engines.

MARINER TWO-STROKES

	250-150				125-30						
Model ⁽¹⁾	250 EFI	225 MAG EFI/ EFI	200 + MAG EFI + EFI	150 MAG EFI/EFI/ MAG III	125	115	90	75	60 + BIGFOOT	50	40 3 CYL
Kilowatts ⁽²⁾	186.4 kW	167.8 kW	149.1 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
Max. RPM at Full Throttle	5000-5800	5000-5800	5000-5600 MAG EFI/EFI: 5000-5800	5250-5750 MAG III: 5000-5600	4750-5250	4750-5250	5000-5500	4750-5250	5000-5500	5000-5500	5000-5500
Cylinders	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
Displacement	3032 cc	3032 cc	2507 cc	2507 cc	1848 cc	1848 cc	1386 cc	1386 cc	966 cc	966 cc	966 cc
Bore / Stroke	92 mm × 76 mm	92 mm × 76 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
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 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
Ignition	PCM 038	PCM 038	Modular CDI MAG EFI/EFI: PCM 038	PCM 038 MAG III: Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI	Modular CDI
Starting	Electric (turnkey)	Electric (turnkey)	Electric MAG EFI/EFI: Electric (turnkey)	Electric (turnkey) MAG III: Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Gear Ratio	1.75:1	1.75:1	1.87:1	1.87:1	2.07:1	2.07:1	2.33:1	2.33:1	1.64:1 BIGFOOT: 2.33:1	1.83:1	1.83:1
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	F-N-R
Steering	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote
Alternator System ⁽³⁾	Belt driven 60 amp (756 watt)	Belt driven 60 amp (756 watt)	40 amp (504 watt) MAG EFI/EFI: Belt driven 60 amp (756 watt)	Belt driven 60 amp (756 watt) MAG III: 40 amp (504 watt)	18 amp (227 watt)	18 amp (227 watt)	18 amp (227 watt)	18 amp (227 watt)	16 amp (201 watt)	16 amp (201 watt)	16 amp (201 watt)
Trim Positions	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
Fuel Tank	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	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.	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.
Weight ⁽⁴⁾	218 kg	218 kg	184 kg MAG EFI: 193 kg EFI: 196 kg	MAG EFI: 193 kg EFI: 196 kg MAG III: 184 kg	158 kg	158 kg	137 kg	137 kg	100 kg BIGFOOT: 109 kg	93 kg	93 kg
Recommended Boat Transom Height	XL 635 mm	Long 508 mm EFI: XL 635 mm	Long 508 mm XL 635 mm MAG EFI: Long 508 mm EFI: XL 635 mm	MAG EFI: Long 508 mm EFI: XL 635 mm MAG III: 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	Long 508 mm	Long 508 mm
Induction System	Loop-charged (EFI)	Loop-charged (EFI)	Loop-charged (3 carb) MAG EFI/EFI: Loop-charged (EFI)	Loop-charged (EFI) MAG III: 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)
Exhaust	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
Oil Injection	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Counter Rotation	Model available	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

(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.



MARINER TWO-STROKES

			25-2.5									
40 2 CYL.	30 644 cc	30 429 cc	25	20	15	10	8	6	5	4 + SAILMATE	3.3	2.5
29.4 kW	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	4500-5500	4800-5500	5000-6000	4500-5500	5000-6000	5000-6000	4500-5500	4000-5000	4000-5000	4500-5500	4500-5500	4200-5200
2	2	2	2	2	2	2	2	2	1	1	1	1
644 cc	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	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 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	Modular CDI	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge	Capacitor discharge
Manual or Electric	Electric	Manual or Electric	Manual or Electric	Manual or Electric	Manual	Manual	Manual ⁽⁵⁾	Manual ⁽⁵⁾	Manual	Manual	Manual	Manual
2.00:1	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	F-N-R	Forward-neutral	Forward
Tiller std: M Optional: E, EL Remote std: E, EL Optional: M	Remote	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: E, EL	Tiller: M, ML	Tiller handle	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°)
Electric: 18 amp (227 watt) Manual: 10 amp (126 watt)	18 amp (227 watt)	6 amp (80 watt)	Standard: E, EL, ML Optional: M 6 amp (76 watt)	Standard: E, 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)	Standard: ML Optional: M 6 amp (76 watt)	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging SAILMATE: Stan- dard with rectifier	N/A	N/A
5 and shallow water drive (Power trim optional)	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: E, 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	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.	Leaded or unleaded 90 RON min.
75 kg	80 kg	51 kg	52 kg	52 kg	35 kg	35 kg	33 kg	33 kg	20 kg	20 kg SAILMATE: 21 kg	13 kg	13 kg
Short 381 mm Long 508 mm	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	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)	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	Through prop	Above prop	Above prop
Electric: standard Manual: N/A	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	N/A

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

(5) Electric start kits available for these engines.

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