

# MERCURY



Recharge



FOURSTROKES • OPTIMAX • TWOSTROKES

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

2005



# MERCURY® HAS THE POWER TO MOVE YOU

*Mercury power – the amazing power of today's leading-edge marine technology.*

It's the power to move you, something you get more of with every Mercury. So relax and enjoy your boating as never before, as you choose from Mercury's extensive ranges of outboard engines, from 2.5HP right through to 275HP.

New for 2005: Mercury 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 Mercury 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 that only Mercury can deliver – offering remarkable fuel efficiency, clean running, and extremely smooth and quiet operation.

Or go for the incredible all-around performance of a direct-injection OptiMax®, available with SmartCraft® (see pages 34 and 35), the world's most advanced marine control system. A family of three-cylinder OptiMax engines supplements the hugely successful V6 range.

There is even more choice. Mercury's light, sophisticated two-strokes offer consistent performance in really big measures, from compact portables to the mighty EFIs.



**Mercury Reliability**  
Outboards to take you further faster and last longer



**Mercury Technology**  
SmartCraft and many more leading-edge advances



**Mercury Choice**  
Four-strokes, OptiMax and two-strokes ranges



**Mercury Protection**  
Exclusive three-year corrosion failure warranty





## Choose Your Mercury

To help you navigate through the extensive Mercury product ranges, they are colour-coded green for four-strokes, blue for OptiMax and red for two-strokes. Welcome to the world of Mercury.

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# VERADO™

## TAKE CHARGE.™

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### THERE'S SOMETHING NEW IN THE WATER

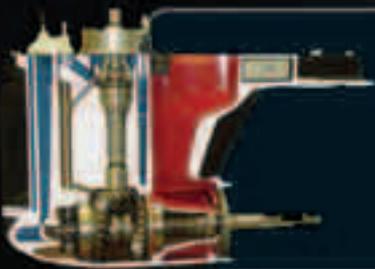
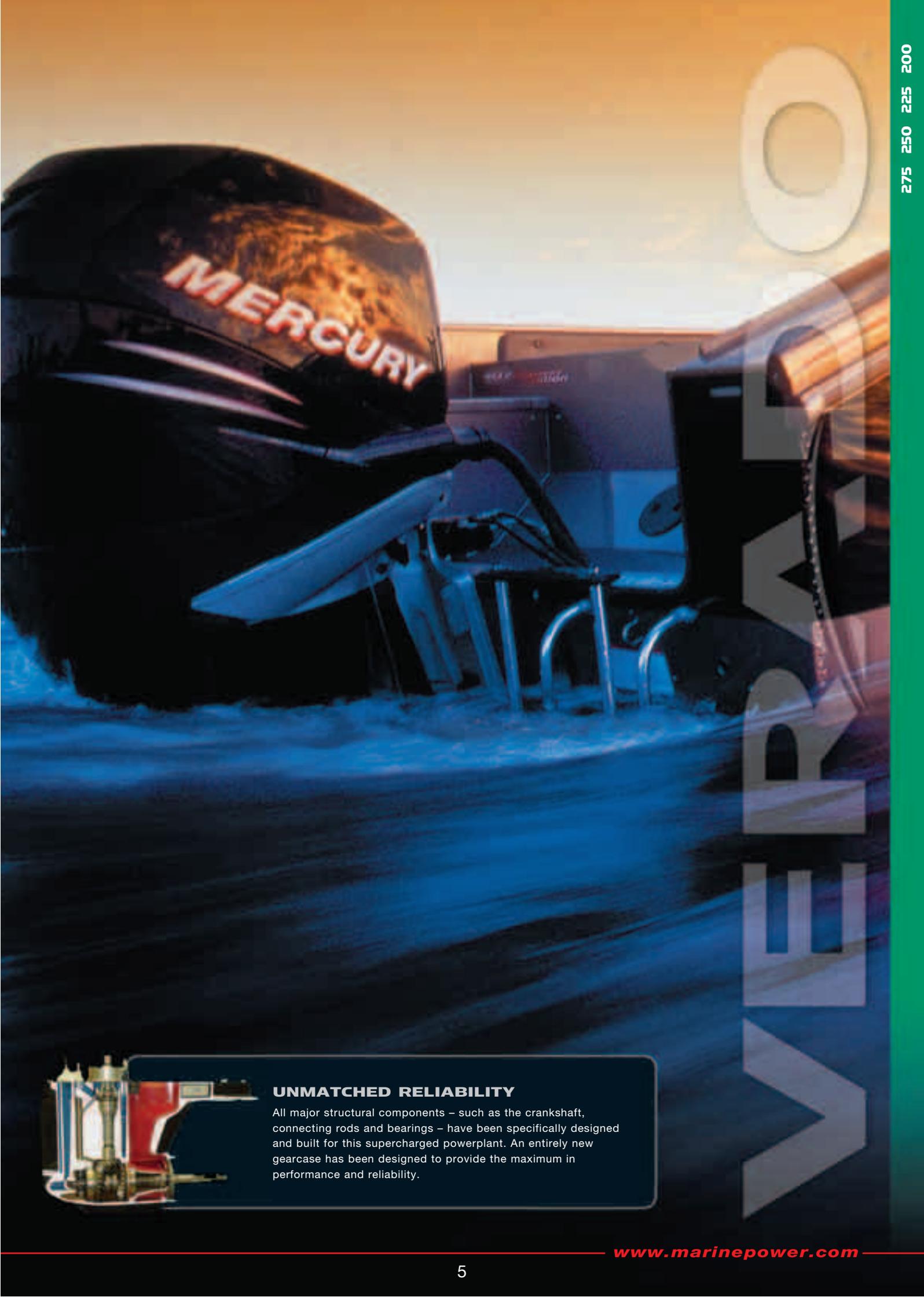
Mercury – the marine expert – presents the first all-new outboard power in over 50 years: the Supercharged FourStroke Verado™. With a 2.6L in-line six-cylinder powerhouse that outperforms virtually every other engine on the water, it's the strongest, quietest, fastest, and most reliable outboard ever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

But Mercury® 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





**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.



#### **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 and with mid-range acceleration that exceeds any other outboard in the world.



## 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, Mercury 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.

### MERCURY VERADO

<b>275HP</b>	6 cylinders (in-line)	2598 cc
<b>250HP</b>	6 cylinders (in-line)	2598 cc
<b>225HP</b>	6 cylinders (in-line)	2598 cc
<b>200HP</b>	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.





#### **MERCURY TECHNOLOGY**

Mercury is the largest manufacturer of four-stroke engines for recreational boating. And Mercury owners are supported by the experience and skills of the largest and strongest service network in the boating business.

## **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.

### **MERCURY VERADO**

<b>275HP</b>	6 cylinders (in-line)	2598 cc
<b>250HP</b>	6 cylinders (in-line)	2598 cc
<b>225HP</b>	6 cylinders (in-line)	2598 cc
<b>200HP</b>	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.





VERADO



**REVOLUTIONARY ADVANCED MID-SECTION**

The Verado mid-section 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.

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# MERCURY

## FourStroke

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### MERCURY LEADERSHIP

For generations, Mercury has been going to extremes to make sure that its four-stroke technology is the very best for boating.

Mercury four-stroke outboards, from 4HP right through to the 275HP Verado, have it all. Remarkable fuel efficiency. Quiet cruising. Smooth power. Clean running. Great trolling. Renowned reliability. No mixing of oil and petrol. So enjoy those extra Mercury pleasures – extra value, extra dependability and extra convenience – which add up to the best in four-stroke technology.

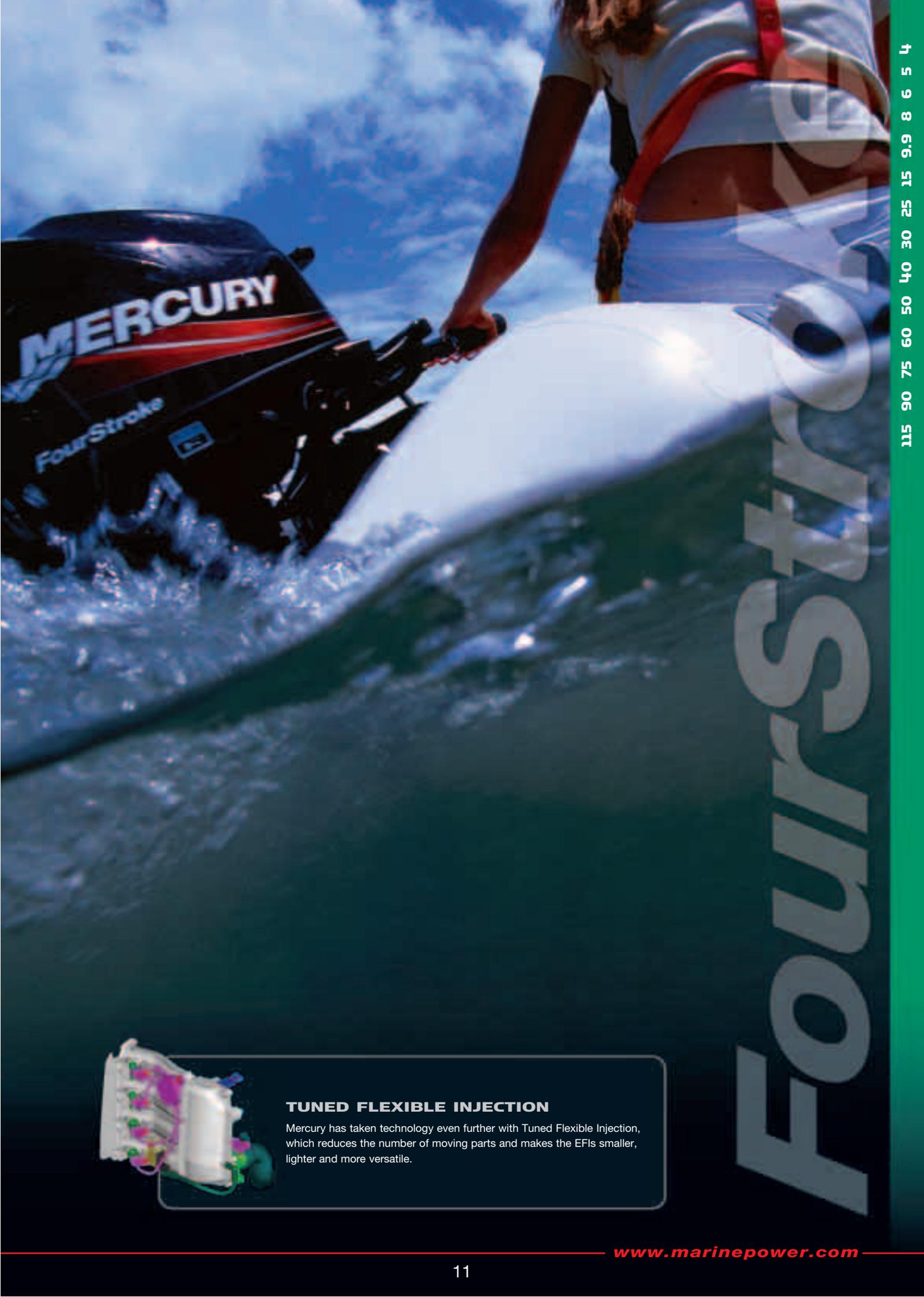
Mercury has taken all the advantages you might expect from a traditional four-stroke – such as fuel efficiency and quietness – and combined them into outboard engines packed with further benefits. The mid-range EFIs for instance, with all their power, performance and strength, are SmartCraft enabled. Read about SmartCraft total vessel intelligence on pages 34 and 35.

Mercury is the world's largest manufacturer of four-stroke marine power. Mercury leadership provides the difference you can feel in your boating, every time.

#### FOUR-STROKE PERFORMANCE

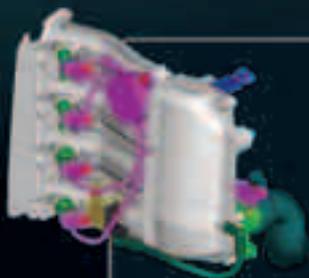
- PATENTED ELECTRONIC FUEL INJECTION
- EXCEPTIONAL FUEL ECONOMY
- CLEAN, SMOOTH AND RELIABLE
- 3-YEAR CORROSION WARRANTY
- MID-RANGE EFI'S FEATURE SMARTCRAFT TOTAL VESSEL INTELLIGENCE SYSTEM
- NEW 8HP AND 9.9HP LIGHTWEIGHT MODELS
- EXCEEDING EPA'S EMISSION STANDARDS 2006





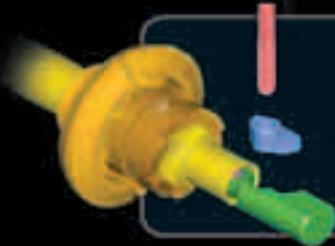
115 90 75 60 50 40 30 25 15 9.9 8 6 5 4

# FOURSTROKE



### TUNED FLEXIBLE INJECTION

Mercury 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**

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



## HOUR AFTER SATISFYING HOUR

The 115HP EFI is an in-line four-cylinder unit providing reliable performance in abundance. Mercury's four-strokes are consistently the power of choice for leading boat brands around the world. The 16-valve, 1596 cc Mercury 90HP and 75HP four-strokes will provide you with season after season of satisfying boating. And with Mercury, extras come as standard.

Computerised ignition means turnkey starting every time. There's power trim, thermostat and pressure controlled cooling, freshwater flushing, quiet through-prop exhaust, optimised gear ratio for superior performance, high value water pump for better protection and less maintenance, single-point cable entry for watertight installation, plus a three-year corrosion protection warranty.

### MERCURY FOUR-STROKE

<b>115HP EFI</b>	4 cylinders (in-line)	1741 cc
<b>90HP</b>	4 cylinders (in-line)	1596 cc
<b>75HP</b>	4 cylinders (in-line)	1596 cc



#### STAYS QUIETER

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





## INJECTING YET MORE POWER

Mercury's four-stroke mid-range series matches your every boating need with smooth, clean power delivery now enhanced by the adoption of electronic fuel injection.

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

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

Mercury 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.

### MERCURY FOUR-STROKE

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



#### EFI TECHNOLOGY

Mercury pioneered and patented electronic fuel-injection technology and has since combined it 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



### **BIGFOOT 33% LARGER**

With a Mercury BigFoot the taller gearcase lets the propeller sit in deeper, less aerated water. The larger prop provides greater thrust and extra manoeuvrability. And the larger gears – 33% larger – provide still more durability.

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



FOURSTROKE



## BIG PERFORMERS MISERLY ON FUEL

When it comes to legendary four-stroke performance, Mercury defines the category. Now we've done it again with 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 Mercury can deliver – offering remarkable fuel efficiency, clean running, and extremely smooth and quiet operation.

There's a big-performing Mercury 25HP with economy bonuses. The 15HP BigFoot has superb holding power. The single-cylinder 6HP, 5HP and 4HP are true lightweights, making them so easy to move on and off any boat's transom. There's a 4HP Sailpower yacht auxiliary too, with dual-thrust propellers to give you turning power in forward or reverse and automatic exhaust relief ports which allow full reverse power. You'll enjoy so much power and economy from these great little four-strokes.

### MERCURY FOUR-STROKE

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



#### GOES FURTHER

Mercury 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.



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# MERCURY

## OptiMax

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### GO FOR THE MAX

If you seek really big power, yet want still bigger fuel economy, all mixed with eco-friendliness, the solution is Mercury OptiMax.

With your ultra-quiet OptiMax you will experience breathtaking acceleration and superior top speed. You'll marvel at the smoke-free and ultra-quiet running characteristics.

Then, you'll take advantage of huge savings in fuel, an average 45% and as much as 80% at idle. All with over 80% lower emissions than traditional two-stroke outboards.

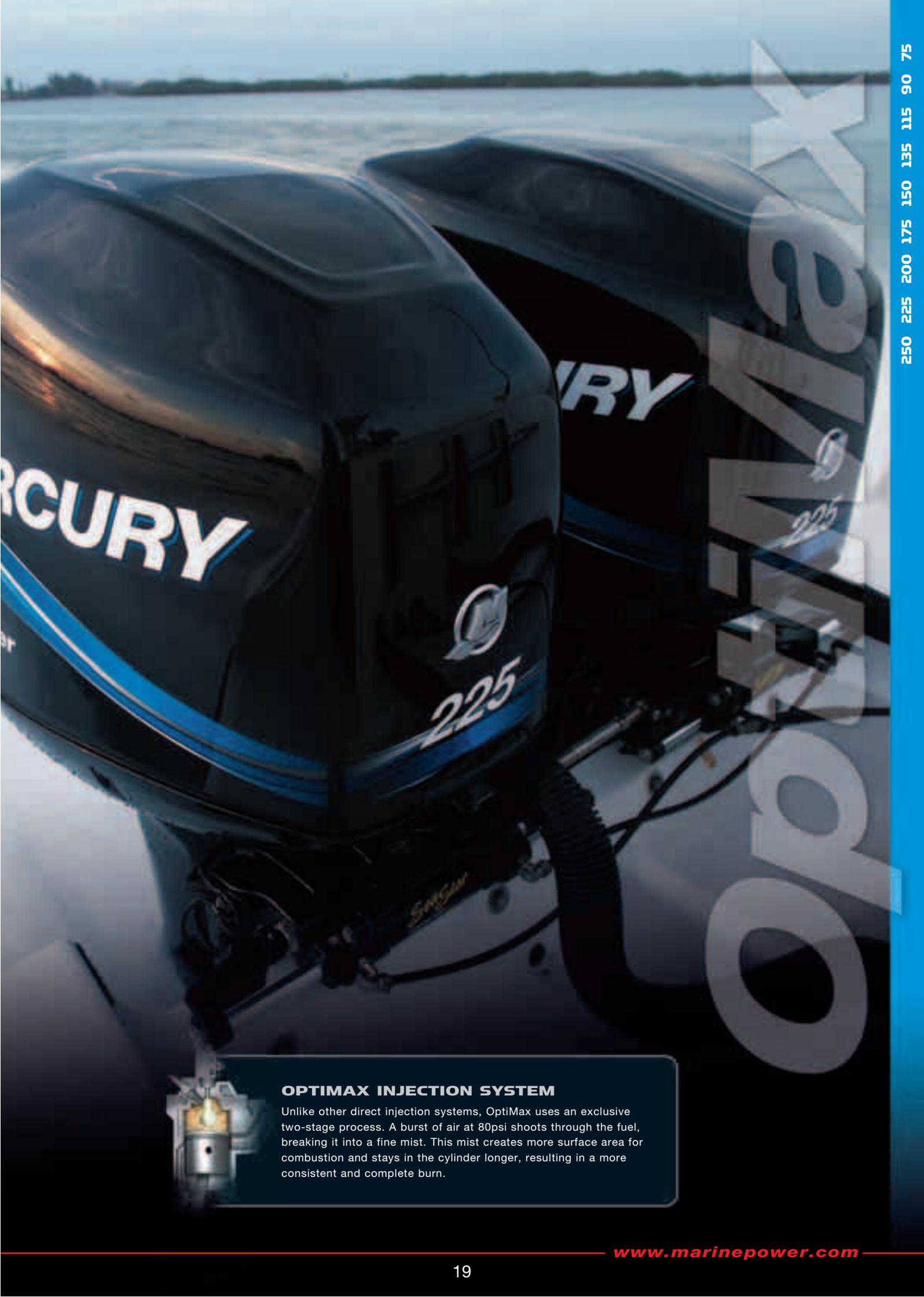
OptiMax is built to integrate seamlessly with SmartCraft (pages 34 and 35), bringing total vessel intelligence to the boating experience. This is the most complete boat information system ever created, giving you the piece of mind, support and confidence to maximize your enjoyment on the water.



#### 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





250 225 200 175 150 135 115 90 75



### **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 HEART & SOUL OF POWER

The revolutionary OptiMax system is built around proven Mercury technology and provides smoother, cleaner running through two-stage direct fuel injection and an electronically controlled multipoint lubrication system.

Special high performance OptiMax version, the 250HP XS, joins the advanced 225HP, 200HP, 175HP, 150HP and 135HP high technology V6 range which offers breathtaking acceleration with 45% better fuel economy than conventional two-strokes. Quiet, smooth and smoke-free, OptiMax is one of the most advanced outboard ranges available.

### MERCURY OPTIMAX

<b>250HP XS</b>	V-6 (60° vee)	3032 cc
<b>225HP</b>	V-6 (60° vee)	3032 cc
<b>200HP</b>	V-6 (60° vee)	3032 cc
<b>175HP</b>	V-6 (60° vee)	2507 cc
<b>150HP</b>	V-6 (60° vee)	2507 cc
<b>135HP</b>	V-6 (60° vee)	2507 cc



### SMARTER

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





## GETTING THERE FIRST

The latest additions to the Mercury OptiMax range are three 1.5-litre engines which set the standard for low emission midrange power, significantly light in weight and impressively strong on performance. Yet again, this is unmatched outboards leadership from Mercury, getting there first.

SmartCraft-ready, clean and powerful, these extra-value OptiMax direct injection engines are controlled by an exclusive Mercury processor that provides a level of management capability to surpass anything else of its kind in boating. As with the V6 OptiMax models, the fuel delivery system promises up to 45% better fuel economy than comparable two-strokes.

### MERCURY OPTIMAX

<b>115HP</b>	3 cylinders (in-line)	1526 cc
<b>90HP</b>	3 cylinders (in-line)	1526 cc
<b>75HP</b>	3 cylinders (in-line)	1526 cc



### SPECIALY FORMULATED OIL

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





### MULTIPOINT LUBRICATION

Mercury'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.

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# MERCURY

## TwoStroke

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### TAKING FUN TO EXTREMES

Mercury's legendary two-strokes are designed to run faster than anything comparable afloat.

Electronic fuel injection and carbureted Mercury two-strokes have built-in reliability and outstanding performance. Excellent power-to-weight ratios throughout the classic Mercury range provide added performance benefits. Lighter weight allows for easier portability.

Push the Mercury throttle forward and you're driving the definitive outboard. For cruising, fishing, skiing, Mercury gives you a lot more engine so you can have much more fun. It's the power to do everything well.

Mercury EFIs are virtually maintenance-free throughout and carburetor models are the most sophisticated in their class. Mercury two-strokes run all the way from 250HP through to 2.5HP. This is the power and performance you need to go just about anywhere.

#### 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





Two Stroke

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

**EFI**

**EFI TECHNOLOGY**

Smooth, consistent operation under all weather conditions and altitudes: that's the EFI advantage. Quick and reliable turnkey starting. Impressive throttle response. Precision, onboard computer diagnostics. Loop-charged induction. 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.



## POWER WHEREVER YOU NEED IT

Performance, speed and awesome power are the preserve of Mercury's 250HP, 225HP, 200HP and 150HP V6 EFI two-strokes which are direct descendants of the racing engines that continue to dominate powerboat racing all over the world.

Carburetor models in the 125HP, 115HP, 90HP and 75HP range are sophisticated power packs. Enjoy the easy starting, smooth idling and precise reaction to the throttle. Integral power trim gets you up on the plane fast and loop-charged induction improves fuel economy and power across the entire RPM range. This is peak performance, Mercury style. Performance that's never been bettered.

### MERCURY TWO-STROKES

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



### MORE PERFORMANCE

Mercury two-strokes offer outstanding power-to-weight ratios, resulting in performance benefits at all speeds.



TWO-STROKE

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



## WITHOUT COMPROMISE

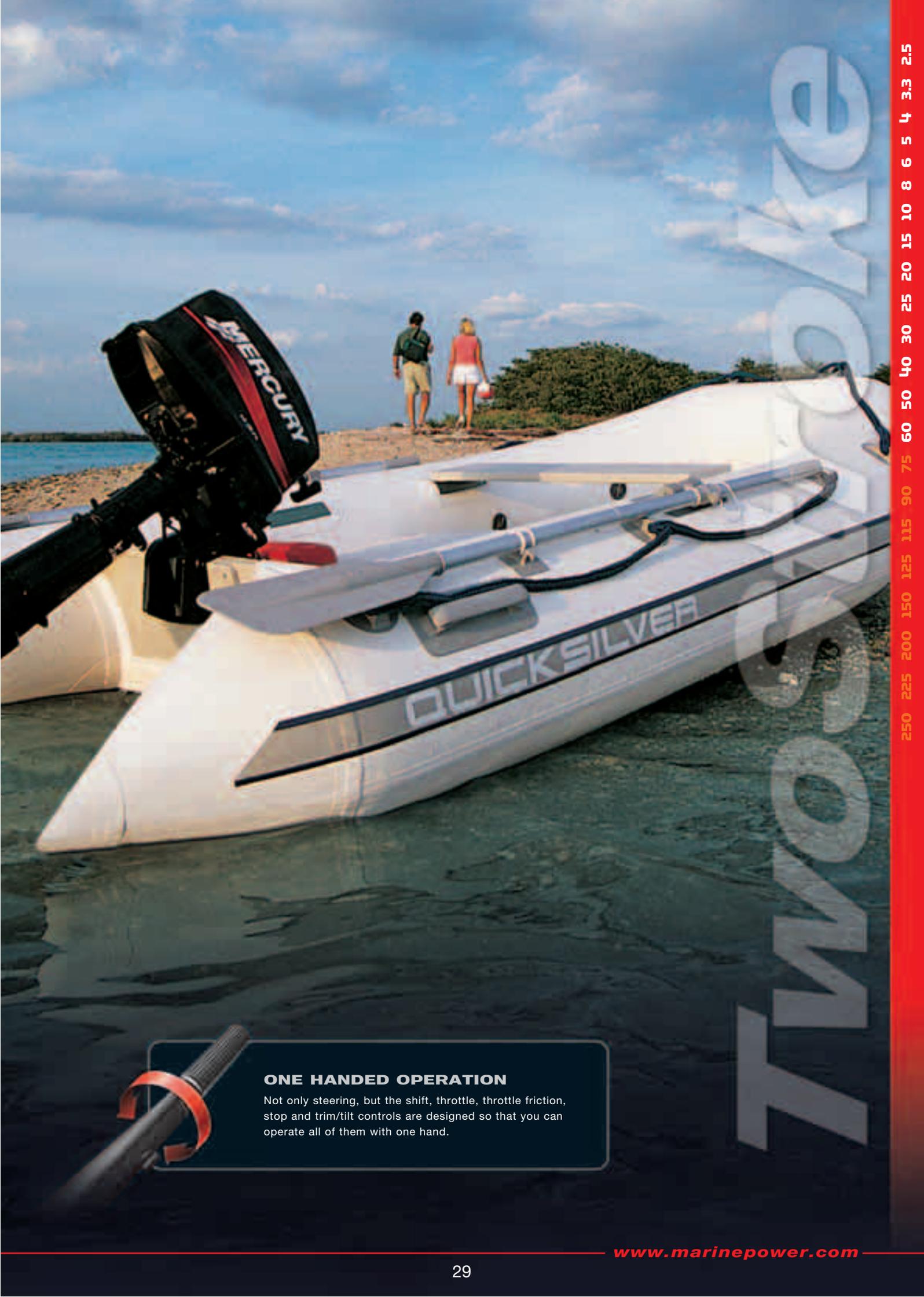
The triple-cylinder, two-cylinder and single-cylinder Mercury performers, from 60HP through to 2.5HP, owe all to the perfectionists who engineered them without compromise. Outboards engineered for absolute boating excellence. This is power to do everything well. So when you want to include everyone in the fun, you'll be glad you've got Mercury on your side.

No one packs more features into outboards of this size. There's long-lasting boating enjoyment with added sparkle from the many built-in Mercury features. Lightweight, they're as ready for the sprint as the long haul, ready to provide a wealth of boating good tidings, no matter what their size. Mercury proves that big features are not just for big engines.

### MERCURY TWO-STROKE

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





2.5 3 4 5 6 8 10 15 20 25 30 40 50 60 75 90 115 125 150 200 225 250

TWO STROKE



**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.

# MERCURY VERADO

# MERCURY FOUR-STROKES

	275-200	115-75		60-30			
<b>Models<sup>(1)</sup></b>	 NEW 275 • NEW 250 • NEW 225 • NEW 200 VERADO	 115 EFI/ SALTWATER EFI	 90 • 75	 60 • 50 EFI + EFI BIGFOOT	 40 EFI BIGFOOT	 40	 40 • 30 EFI
<b>Kilowatts<sup>(2)</sup></b>	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
<b>Max. RPM at Full Throttle</b>	5800-6400	5000-6000	90: 5000-6000 75: 4500-5000	5500-6000	5500-6000	5500-6000	5500-6000
<b>Cylinders</b>	6 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	4 (in-line)	3 (in-line)	3 (in-line)
<b>Displacement</b>	2598 cc	1741 cc	1596 cc	995 cc	995 cc	747 cc	747 cc
<b>Bore / Stroke</b>	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
<b>Cooling System</b>	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
<b>Ignition</b>	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
<b>Starting</b>	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)	Manual	Electric (turnkey)
<b>Gear Ratio</b>	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
<b>Gear Shift</b>	SmartCraft DTS, F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
<b>Steering</b>	Electro-Hydraulic Power Steering with integral hydraulic cylinder	Remote	Remote	Tiller or Remote	Remote	Tiller	Tiller or Remote
<b>Alternator System<sup>(3)</sup></b>	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)
<b>Trim Positions</b>	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
<b>Fuel Tank</b>	Optional	Optional	Optional	Standard	Standard	Standard	Standard
<b>Fuel Requirements</b>	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.
<b>Weight<sup>(4)</sup></b>	288 kg	176 kg	176 kg	113 kg BIGFOOT: 121 kg	121 kg	102 kg	106 kg
<b>Recommended Boat Transom Height</b>	200: Long 508 mm XL 635 mm 275 • 250 • 225: Long 508 mm XL 635 mm XXL 762 mm	EFI: Long 508 mm SALTWATER EFI: XL 635 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
<b>Induction System</b>	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
<b>Exhaust</b>	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop	Through prop
<b>Oil Injection</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Counter Rotation</b>	Available on XL and XXL 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.

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

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

 SmartCraft integrated Marine technology standard.



# MERCURY OPTIMAX

25-4				250-135			115-75
25	15 + BIGFOOT	NEW 9.9 • 8	NEW 6 • 5 • 4 + SAILPOWER	 250 XS OPTIMAX	 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	184 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	5300-5800	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)	V-6 (60° Vee)	3 (in-line)
498 cc	323 cc	209 cc	123 cc	3032 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	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	Water cooled w/ thermostat and pressure controlled
CDI w/ electric spark advance	CDI w/ electric spark advance	CDI Electronic Advance	Capacitor discharge	PCM 03 Digital Inductive	PCM 038	PCM 038	PCM 038
Manual or Electric (turnkey)	Manual or Electric (turnkey)	Manual or Electric	Manual	Electric	Electric (turnkey)	Electric (turnkey)	Electric (turnkey)
2.42:1	2.00:1 BIGFOOT: 2.42:1	2.08:1	2.15:1	1.62:1	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	F-N-R
Tiller or Remote	Tiller or Remote	9.9: Tiller or Remote 8: Tiller	Tiller	Remote	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 SAILPOWER: Standard with rectifier	60 amp (756 watt) w/ voltage regulation	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	Power trim standard
Standard	Standard	Standard	Standard 4 • 4 SAILPOWER: Integral 1.1 litre	Optional	Optional	Optional	Optional
Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 96 RON	Unleaded 90 RON min.	Unleaded 90 RON min.	Unleaded 90 RON min.
81 kg	51 kg BIGFOOT: 58 kg	38 kg	25 kg	229 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 SAILPOWER: Long 508 mm	Long 508 mm XL 635 mm XXL 762 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	2-stage direct fuel injection
Through prop	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	Electronic multipoint
N/A	N/A	N/A	N/A	Available on XL and XXL models only	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).

# MERCURY TWO-STROKES

## 250-75

Models <sup>(1)</sup>	 <b>250 • 225</b> SW EFI    EFI/ SW EFI	 <b>200 • 150</b> SALTWATER/ SALTWATER EFI	<b>125 • 115</b>	<b>90 • 75</b>	<b>60 • 50 • 40</b> + BIGFOOT    3 CYL.
<b>Kilowatts<sup>(2)</sup></b>	184 • 165 kW	147 • 110 kW	91.9 • 84.5 kW	66.2 • 55.1 kW	44.1 • 36.8 • 29.4 kW
<b>Max. RPM at Full Throttle</b>	5000-5800	200 SW: 5000-5600 200 SW EFI: 5000-5800 150 SW • 150 SW EFI: 5000-6000	4750-5250	90: 5000-5500 75: 4750-5250	5000-5500
<b>Cylinders</b>	V-6 (60° vee)	V-6 (60° vee)	4 (in-line)	3 (in-line)	3 (in-line)
<b>Displacement</b>	3032 cc	2507 cc	1848 cc	1386 cc	967 cc
<b>Bore / Stroke</b>	92 mm × 76 mm	89 mm × 67 mm	89 mm × 75 mm	89 mm × 75 mm	76 mm × 71 mm
<b>Cooling System</b>	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
<b>Ignition</b>	PCM 038	Modular CDI SW EFI: PCM 038	Modular CDI	Modular CDI	Modular CDI
<b>Starting</b>	Electric (turnkey)	Electric SW EFI: Electric (turnkey)	Electric	Electric	Electric
<b>Gear Ratio</b>	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
<b>Gear Shift</b>	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
<b>Steering</b>	Remote	Remote	Remote	Remote	Remote
<b>Alternator System<sup>(3)</sup></b>	Belt driven 60 amp (756 watt)	40 amp (504 watt) SW EFI: Belt driven 60 amp (756 watt)	18 amp (227 watt)	18 amp (227 watt)	16 amp (201 watt)
<b>Trim Positions</b>	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
<b>Fuel Tank</b>	Optional	Optional	Optional	Optional	Standard
<b>Fuel Requirements</b>	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.
<b>Weight<sup>(4)</sup></b>	250 SW EFI • 225 SW EFI: 220 kg 225 EFI: 218 kg	200 SW: 182 kg 150 SW: 183 kg 200 SW EFI • 150 SW EFI: 187 kg	158 kg	139 kg	60: 100 kg 60 BIGFOOT: 109 kg 50 • 40: 93 kg
<b>Recommended Boat Transom Height</b>	XL 635 mm 225 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 • 40: Long 508 mm
<b>Induction System</b>	Loop-charged (EFI)	Loop-charged (3 carb) SW EFI: Loop-charged (EFI)	Loop-charged (4 carb)	Loop-charged (3 carb)	Loop-charged (3 carb)
<b>Exhaust</b>	Through prop	Through prop	Through prop	Through prop	Through prop
<b>Oil Injection</b>	Standard	Standard	Standard	Standard	Standard
<b>Counter Rotation</b>	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 Sailpower model.

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

 SmartCraft integrated Marine technology standard.



# MERCURY TWO-STROKES

## 60-2.5

40 • 30 2 CYL. 644 cc	30 429 cc	25 • 20	15 • 10	8 • 6	5 • 4 + SAILPOWER	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 SAILPOWER: 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	15: Manual or Electric 10: Manual	Manual <sup>(5)</sup>	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, ML Optional: E, EL Remote std: E, EL Optional: M, ML 30: Remote std	Tiller: M, ML Remote: E, EL	Tiller: M, ML Remote: E, EL	15: Tiller: M, ML Remote: E, EL 10: Tiller handle	Tiller handle (Remote optional)	5 • 4: Tiller handle (360°) (Remote optional) 4 SAILPOWER: 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: E, EL, 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 SAILPOWER: 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 SAILPOWER: 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 SAILPOWER: 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.



QUICKSILVER  
SmartCraft

SYSTEM 13.5 V | 2:11 PM  
RPM 3580 ENG 162 °F

NAV - FUEL

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## TOTAL SYSTEM FOR TOTAL CONTROL

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

SmartCraft is a totally integrated system for providing engine, boat and environmental information to give you safety and unfailing confidence. It is available with Mercury Verado, OptiMax, mid-range four-stroke EFI and V6 EFI two-stroke engines.

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

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



### SMARTCRAFT DISPLAYS & GAUGES

Engine Guardian monitors critical engine sensors for any indication of problems and automatically takes action to avoid engine damage. Information is available at the touch of a button, without having to read multiple gauges. It's simple, direct and accurate. Fuel Management System monitors and calculates fuel level, fuel flow, consumption and travel range. SmartCraft means there's no guesswork, no estimating. Everything you need to know is at hand.



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Digital Throttle & Shift (DTS) is the most advanced system of its kind ever devised, delivering the smoothest of gear shifting, with safety and reliability. The panel-mounted DTS system gives you instant throttle response and smooth, precise gear shifting. There is an optional foot throttle.

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