

MERCURY OUTBOARDS 2007 - OPTIMAX & TWOSTROKE

MERCURY®



www.marinepower.com



From 250 HP to 2.5 HP



NEXT GENERATION OPTIMAX



MERCURY OptiMax

225

200

150

135

115

90

75

SIX-CYLINDER

THREE-CYLINDER



Great days on the water begin and end with a reliable engine – which is why so many boaters trust the fuel-efficient yet powerful Mercury OptiMax.

Thanks to legendary direct-fuel-injected technology, which combines awesome acceleration and staggering top-end speed with clean, quiet, fuel-saving operation, OptiMax is the perfect choice for almost any use.

For 2007, the picture looks even better with the introduction of upgraded “next generation” motors which feature new styling, even lower sound levels and on the 3.0 litre models, a new gearcase. Enough to confirm the belief that the OptiMax is the best DFI engine ever built and for this range to top the J.D. Power and Associates customer satisfaction index for two-stroke outboards.

J.D. Power Award 2006

Mercury OptiMax
“Highest In Customer
Satisfaction
With Two-Stroke
Outboard Engines”



200 DTS + 225 DTS HP

Smooth, reliable performers

The DTS-equipped outboards are models of reliability thanks to double or triple redundant network and the elimination of potentially troublesome cables through direct communication with the ECM. Engine and transmission controls provide further drive and transmission protection, especially during highspeed shifting which is smoother, quieter and less clunky at all times.

A built-in auto synchronizer eliminates the need to manage independent engine RPMs.

MERCURY OptiMax

225

200

150

135

GO FOR THE MAX!

Turn the key and throttle up your weekend with Mercury OptiMax, the engine that meets all your expectations at lowest cost.

OptiMax can save up to 50% on fuel expenses, which means that you needn't worry about fuel costs after a full day on the water. And, if you add SmartCraft technology, you can pinpoint excellent "RPM sweet spots" for the ultimate in fuel savings.

Lighter than four-strokes in its class, the 3.0 and 2.5L OptiMax is weight-friendly with every boat hull and features excellent performance and hole shot. Just what you need to pull a tube rider or skier, or just to get out of the hole fast. Remarkably, it also trolls at lower speeds than comparable four-strokes. That's versatility!



RELIABILITY

- Exclusive use of XK-360 low-copper aluminum alloy, stainless steel and multi-step painting process provide unparalleled corrosion resistance.
- Rigorous testing on all components ensures long life.

PERFORMANCE

- OptiMax offers unsurpassed hole shot and top end speed.
- OptiMax direct fuel injection assures the clean, quiet and fuel efficient qualities of a four-stroke engine.

RUNNING QUALITY

- OptiMax technology assures turn-key starting, and smoke free operation.
- Only OptiMax uses a 2 stage injection process to produce enhanced fuel atomisation for better fuel economy, smooth running, and reliability.

TECHNOLOGY

- Exclusive Engine Guardian System constantly monitors over 40 sensors to give advance warning of possible problems and takes action to minimize their potential impact.





MERCURY 75
OptiMax

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115

90

75

OPTIMUM EVERYTHING

OptiMax 1.5L outboards deliver the gutsy power of direct-fuel-injection in small and mid-sized boats. Like the higher-horsepower models, the 75, 90 and 115 hp OptiMax produce high intensity power with low noise levels and clean-burning fuel efficiency.

As with the V6 OptiMax models, the fuel delivery system promises up to 50% better fuel economy than comparable two-strokes. They're lightweight and provide spectacular acceleration. So when you factor in OptiMax's reliability and durability, it's easy to see why so many serious boaters are hooked.



RELIABILITY

- Rigorous testing results in an engine that will run at optimum efficiency and last for many years.
- Designed for durability, strength and corrosion resistance, the driveshaft, shiftshaft, propshaft, water pump housings, tilt tube and power head fasteners are stainless steel.

PERFORMANCE

- OptiMax offers unsurpassed hole shot and top end speed.
- Direct fuel injection assures the clean, quiet and fuel efficient qualities of a four-stroke engine.

RUNNING QUALITY

- An exclusively-designed Air-Bypass-Silencer means that this engine is virtually as quiet as a four-stroke at idle.
- OptiMax technology assures turn-key starting, and smoke free operation.
- The unique 4.7L integral oil reservoir is easy to fill and serves as the engine's sound attenuator for whisper-quiet operation.

TECHNOLOGY

- 60 amp belt driven alternator assures charged batteries even while operating electronics at low RPMs.

TAKING FUN TO EXTREMES

250 225 200

SIX-CYLINDER

225
MERCURY

MERCURY

40
MERCURY

MERCURY



#1 On The Water®

MERCURY TwoStroke

90 75 60 50 40 30 15 10 5 4 3.3 2.5

THREE-CYLINDER

TWO-CYLINDER

SINGLE-CYLINDER



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.

TwoStroke

Two-Stroke performance

- Patented electronic fuel injection on all V6 models
- Outstanding power to weight ratios
- Wide choice of engines from powerful V6 models to the compact portables
- 3 year corrosion warranty
- Backed by a huge sales and service dealer network



MERCURY TwoStroke

250

225

200

90

75

POWER WHEREVER YOU NEED IT

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

Carburetor models in the 90 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.



RELIABILITY

- A fresh water flush system is conveniently located to flush the entire cooling system for added durability (250 to 200).
- Computer designed, heavy duty gear case holds extra oil, allowing the lower unit to run cooler for increased durability and longer engine life. (90 to 75).

PERFORMANCE

- Large displacement power head for superior performance and response especially at the low end and midrange (250 to 200).
- This 1386 cc block provides superior performance and incredible holeshots (90 to 75).

RUNNING QUALITY

- Instant starting, smooth acceleration and strong top-end speed are all trade marks of Mercury EFI engines (250 to 200).
- Independent CDMs deliver up to 40,000 volts for sure start, impressive fuel efficiency and extra durability (90 to 75).

TECHNOLOGY

- All Mercury EFI 2-stroke engines are equipped with SmartCraft, the most advanced engine management system available in the world (250 to 200).
- Single point oil injection system automatically mixes gas and oil for convenience and trouble free operation (250 to 40).





#1 On The Water®

MERCURY TwoStroke

60

50

40

30

15

10

5

4

3.3

2.5



WITHOUT COMPROMISE

The triple, two-cylinder and single-cylinder Mercury performers, from 60 HP 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.

RELIABILITY

- Standard fish line cutter protects the lower unit from damage due to stray fishing line (60 to 90).
- Prop shaft, shift shaft and drive shaft and water pump housing are stainless steel for added strength and corrosion resistance.

PERFORMANCE

- The taller BigFoot gear case means that the prop sits lower in the water and its over-sizes anti-cavitation plate keeps air away from the prop for greater thrust and manoeuvrability (60 BF).
- Loop charged induction maximizes the air/fuel mixture for impressive response, performance and fuel economy (250 to 40, 5 to 2.5).
- The exclusive "Pull-out-push-in" fuel priming system allows easy idle adjustments and easier starting (15 to 10).

RUNNING QUALITY

- Electric CDI ignition delivers high voltage for quick, sure starts and added fuel efficiency.
- Innovative sound attenuator helps absorb engine sounds before they can reach the ear, resulting in a 25% quieter engine (90 to 40).

TECHNOLOGY

- Simple 2 stroke design creates an engine that is less complex and lighter.
- Oil level can be checked at a glance from the transparent cowl indicator for added peace of mind (60 to 40).

SPECIFICATIONS


	Models ⁽¹⁾	Kilowatts ⁽²⁾	Max. RPM at Full Throttle	Cylinders	Displacement	Starting	Gear Ratio
MERCURY OPTIMAX							
225-135	225 • 200 OptiMax	165 • 147 kW	5000-5750	V-6 (60° Vee)	3032 cc	Electric (turn-key)	1.75:1
	150 • 135 OptiMax	110 • 99.2 kW	150: 5250-5750 135: 5000-5600	V-6 (60° Vee)	2507 cc	Electric (turn-key)	150: 1.87:1 135: 2.00:1
115-75	115 • 90 • 75 OptiMax	84.5 • 66.2 • 55.1 kW	5000-5750	3 (in-line)	1526 cc	Electric (turn-key)	115: 2.07:1 90 • 75: 2.33:1
MERCURY TWOSTROKE							
250-75	250 EFI • 225 EFI	183 • 165 kW	5000-5800	V-6 (60° Vee)	3032 cc	Electric (turn-key)	1.75:1
	200 EFI	147 kW	5000-5800	V-6 (60° Vee)	2507 cc	Electric (turn-key)	1.87:1
	90 • 75	66.2 • 55.1 kW	90: 5000-5500 75: 4750-5250	3 (in-line)	1386 cc	Electric	2.33:1
60-2.5	60 + BIGFOOT • 50	44.1 • 36.8 kW	5000-5500	3 (in-line)	967 cc	Electric	60: 1.64:1 60 BIGFOOT: 2.33:1 50: 1.83:1
	40	29.4 kW	4500-5500	2 (in-line)	644 cc	Manual or Electric	2.00:1
	30	22.1 kW	4800-5500	2 (in-line)	429 cc	Manual or Electric	1.92:1
	15 • 10	11 • 7.4 kW	5000-6000	2 (in-line)	262 cc	Manual	2.00:1
	5 ⁽⁵⁾ • 4 ⁽⁶⁾	3.68 • 2.9 kW	5: 4000-5000 4: 4500-5500	1	102 cc	Manual	2.15:1
	3.3 • 2.5	2.4 • 1.8 kW	3.3: 4500-5500 2.5: 4200-5200	1	74.6 cc	Manual	3.3: 2.15:1 2.5: 1.85:1

For more information on the propeller that is right for you, please see your dealer.
 Fuel requirements: OptiMax: Unleaded 90 RON min. • TwoStroke: Leaded or unleaded 90 RON min.
 Gear shift: Forward (F), Neutral (N), Reverse (R), except 3.3: F-N, 2.5: F.



Steering	Alternator System ⁽³⁾	Trim Positions	Weight ⁽⁴⁾	Recommended Boat Transom Height	Induction System
Remote	Belt-Driven 60 amp (756 watt)	Power trim standard	225 kg	Long 508 mm - XL 635 mm ⁽⁷⁾	2-stage direct fuel injection
Remote	Belt-Driven 60 amp (756 watt)	Power trim standard	195 kg	Long 508 mm - XL 635 mm ⁽⁷⁾	2-stage direct fuel injection
Remote	Belt-Driven 60 amp (756 watt)	Power trim standard	170 kg	115: Long 508 mm - XL 635 mm 90 • 75: Long 508 mm	2-stage direct fuel injection
Remote	Belt-Driven 60 amp (756 watt)	Power trim standard	220 kg	XL 635 mm ⁽⁷⁾	Loop-charged (EFI)
Remote	Belt-Driven 60 amp (756 watt)	Power trim standard	188 kg	XL 635 mm ⁽⁷⁾	Loop-charged (EFI)
Remote	18 amp (227 watt)	Power trim standard	139 kg	Long 508 mm Shaft extension kit available XL 635 mm	Loop-charged (3 carb)
Remote	16 amp (201 watt)	60 • 50: Gas assist (Power trim optional) 60 BIGFOOT: Power trim standard	60: 100 kg 60 BIGFOOT: 109 kg 50: 93 kg	60 • 50: Short 381 mm - Long 508 mm 60 BIGFOOT: Long 508 mm	Loop-charged (3 carb)
Tiller std: M, ML Optional: E, EL - Remote std: E, EL Optional: M, ML	Electric: 18 amp (227 watt) Manual: 10 amp (126 watt)	5 and shallow water drive (Power trim optional)	75 kg	Short 381 mm Long 508 mm	Loop-charged (1 carb)
Tiller: M, ML - Remote: E, EL	6 amp (80 watt)	6	51 kg	Short 435 mm - Long 562 mm	Cross flow (1 carb)
Tiller handle	Standard: ML Optional: M 6 amp (76 watt)	3 and 3 shallow water drive positions	35 kg	15: Short 381 mm Long 508 mm Shaft extension kit available 10: Short 381 mm	Cross flow (1 carb)
Tiller handle (360°) (Remote optional)	Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging	6 and shallow water drive	20 kg	Short 381 mm Long 508 mm	Loop-charged (1 carb)
Tiller handle (360°)	N/A	4	13 kg	3.3: Short 381 mm Long 508 mm 2.5: Short 381 mm	Loop-charged (1 carb)

(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 Sallpower model. (4) Dry weight specification is for lightest model and excludes engine oil, rigging hardware and propeller.
(5) Standard + integrated fuel tank 2.5 litres. (6) Integrated fuel tank 2.5 litres. (7) Counter rotation available.

 SmartCraft Integrated Marine technology standard.



HOW TO MAXIMIZE MERCURY RELIABILITY

Avoid pirate parts

When you've made an investment in a beautifully engineered Mercury outboard, it makes sense to keep it that way and protect your warranty by using only Quicksilver parts, accessories and maintenance products. Quicksilver is the most respected name in the outboard after-market because all of its products are specifically developed for boating as opposed to multiple-application and they are available at every Mercury service dealer.

The Right Oils for the Best Protection

While all oils might look the same, the truth is that different end uses make differing demands on lubricants. That's exactly why you should use Quicksilver oils and lubricants because they are formulated solely for use in outboard motors, which are subjected to unique stresses and strains.

From premium quality Quicksilver synthetic oils for four-strokes to high detergent premium lubes for two-strokes, there's a Quicksilver lubricant formulated to meet your precise needs. It all adds up to maximizing the efficiency and durability of your Mercury outboard.

Propel it Properly

Quicksilver is the world's largest manufacturer of propellers, which tells you that this division of Mercury has learned more about product performance and quality than any other manufacturer. After all, the propeller is the single most important component on your outboard when it comes to getting the best out of your engine, so make sure you choose the right prop.

From custom-built, to stainless steel, to aluminium and other special metals, there's a Quicksilver propeller for you. For advice on what's right, have a chat to your dealer.

Added Enjoyment on the Water

Quicksilver offers an impressive line-up of watersports accessories, all designed to maximize your enjoyment on the water. Ask your dealer for a run-down on the full range and prepare for fun and action aplenty.



The quality system of
Marine Power Europe Inc is
ISO 9001:2000 certified