



Mercury OptiMax & TwoStroke 2008



welcome to the **world** **of Mercury**

Being the **#1 On The Water™** means leading the way in every aspect.

From products to service, to customer satisfaction, Mercury outperforms the competition at every turn.

Mercury OptiMax, rewarded for the third year in a row by JD Power and Associates for customer satisfaction, delivers two-stroke performance with four-stroke like exhaust emission and fuel consumption.

Mercury is also the leader in two-stroke technology with the most modern and the broadest range of two-stroke outboards in the industry.

This brochure is an invitation to discover the world of Mercury.

A world of pleasure, excitement and freedom.



go for the **Max** with OptiMax

No Direct Fuel Injected engine has seen more use, testing or success than Mercury OptiMax.

It's not surprising that OptiMax repeatedly leads every DI category in power, fuel efficiency, reliability and versatility.

It all adds up to a complete line of power units that deliver more and deliver better.

OptiMax can save considerably on fuel expenses, even compared to many four-stroke engines in the same power class. Lighter than four-strokes in their class, the 3.0 L and 2.5 L OptiMax models offer power-to-weight advantages on every boat and feature excellent acceleration and overall performance. Remarkably, OptiMax also trolls at lower speeds than many comparable four-strokes. That's versatility.



Mercury OptiMax was ranked for the third year in a row as the leader in customer satisfaction with 2-stroke outboard engines by **JD Power & Associates** in 2006, in 2007 and in 2008.



OptiMax
135 / 150 / 175 / 200 / 225



- **2 Stroke DFI**

Uses 45% less fuel compared to 2-stroke outboards; provides turn-key starting and smoke free operation.

- **Low-pressure Direct Fuel Injection (DFI)**

Less stress on components than competitive DFI outboards resulting in greater reliability and longer engine life.

- **60 A High-Performance Alternator**

More power to keep your batteries charged all the time.

- **Compact 60-degree engine block**

Lightweight, best out-of-hole acceleration and top speed.

- **OptiMax Air compressor**

For maximum combustion efficiency, minimum fuel usage and low emissions.

- **SmartCraft Compatible**

Integrates all boat and engine functions to deliver more reliable information and a greater sense of security.

- **Mercury Designed Gearcase**

Improved boat handling and higher top speeds.

- **More Stainless Steel Components**

OptiMax is built with more stainless steel components than competitive engines for longer engine life and reduced maintenance.

- **Mercury Propellers**

Get the best performance out of your engine and optimize fuel economy¹.

- **3 Year Warranty***

Three-year limited, factory-backed, non-declining warranty plus three-year limited corrosion failure warranty.

(1) The Mercury website features a Propeller Selector Program. Visit www.mercurymarine.com and click on "propellers".

*Not applicable for commercial and racing applications



optimum **performance**, maximum **efficiency**, minimum **size**

OptiMax 1.5L outboards deliver the power of direct fuel injection for small and mid-sized boats. The 75, 90, 115 OptiMax produce high intensity power and acceleration with low noise levels and clean-burning fuel efficiency.

So when you factor in OptiMax's reliability and durability, it's easy to understand why boaters voted OptiMax as the number 1 in customer satisfaction for the third year in a row.



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OptiMax
75/90/115



- **2 Stroke DFI**

Uses 45% less fuel compared to 2-stroke outboards; provides turn-key starting and smoke free operation.

- **Air Bypass Silencer**

OptiMax 1.5 L are whisper quiet, even at high RPM.

- **Lighter weight**

OptiMax is lighter than comparable four-strokes, making them more suitable for smaller boats.

- **OptiMax Air compressor**

For maximum combustion efficiency, minimum fuel efficiency and low emissions.

- **SmartCraft Compatible**

Integrates all boat and engine functions to deliver more reliable information and a greater sense of security.

- **Mercury Designed Gearcase**

Improved boat handling and higher top speeds.

- **More Stainless Steel Components**

OptiMax is built with more stainless steel components than competitive engines for longer engine life and less maintenance.

- **Mercury Propellers**

Get the best performance out of your engine and optimize fuel economy¹.

- **CARB 3-Star**

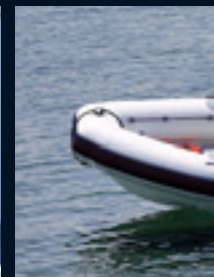
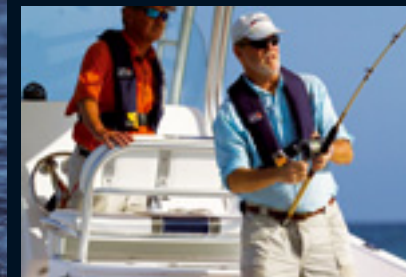
Environmentally friendly.

- **3 Year Warranty***

Three-year limited, factory-backed, non-declining warranty plus three-year limited corrosion failure warranty.

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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 75 hp 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.



TwoStroke

75 / 90 / 200 / 225 / 250

• **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).

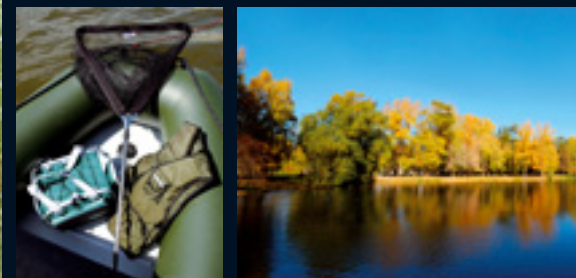
• **Running quality**

- 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).





without **compromise**

The triple, two-cylinder and single-cylinder Mercury performers, from 60 hp through to 2.5 hp, 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.



TwoStroke

2.5 / 3.3 / 4 / 5 / 10 / 15
/ 30 / 40 / 50 / 60

• **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).



Mercury **Propellers**

Besides your engine, your propeller is the single most important factor that influences your boat's performance.

The selection of the right propeller is vital to every aspect of handling, speed, acceleration, engine life, fuel economy and even safety.

We offer more models than anyone else. In fact over 700, from standard to custom-built, high-performance and racing propellers.

We have a proven reputation for highest-quality propellers, superior strength, durability and all-round performance.

Mercury is the world's largest designer and manufacturer of propellers.

Go to www.mercurymarine.com/prop_selector to choose the right prop for your boat and your boating application.



Enertia

Our revolutionary new propeller made from our exclusive X7 alloy. It delivers the best acceleration and top speed by using thinner blades and higher rake angles. The ultimate design for high-horsepower boats. In 14" and 22" pitch.



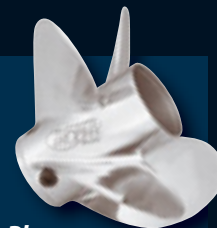
Vengeance

A proven blade design in Stainless Steel in either rotation which pitches from 9" to 25". Better acceleration and handling than conventional 3-bladed aluminum props, and five times stronger.



Laser II

If you like to run fast and light, this is the prop for you. Its thinner blades reduce drag and increase speed with the prop offered in both rotations with 19" and 27" pitch.



Trophy Plus

Four-bladed Stainless Steel with 12" to 23 pitch, delivering unbelievable bow lift, improved handling and quick planing. The ideal prop for ski and wakeboard applications. For outboards 75 hp and up.



Trophy Sport

Same characteristics as the Trophy Plus, but for outboards between 30 and 60 hp.



Tempest Plus

Large diameter for high transoms and larger outboards. Increased acceleration and better handling. In 13" to 29" pitch.



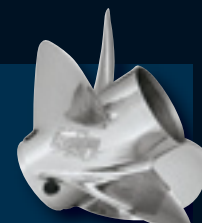
Mirage Plus

Designed for high horsepower and heavier engines. In 13" to 29" pitch.



Vensura

For twin outboard applications. They perform beautifully in offshore and sports boat applications. In 17" to 23" pitch.



Revolution 4

For better performance in big outboard sports boats. Dramatically improves mid-range acceleration and top speed. In 19" to 23" pitch.



Highfive

An innovative 5-blade performer for smooth acceleration to pull skiers effortlessly. In 17" to 26" pitch.



take **good care** of your engine

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 only using genuine Quicksilver parts, accessories and maintenance products. Quicksilver is the most respected name in the outboard after-market, worldwide, because all of its products are specifically developed for the marine environment. Demand your dealer uses only Quicksilver products!

before the boating season >> pre-season preparations

The pre-season time is the most exciting time of the year. Boats and engines are taken out of the garage and you start preparing your boat for the next summer. Quicksilver offers a complete range of products to prepare your engine and boat to be in perfect shape for a season full of boating excitement. Visit your dealer in spring to learn about our pre-season promotion campaigns.

during the boating season

Who cares about visiting a marine dealer during summer time ?

To keep your engine in perfect shape and performing flawlessly, you need the best oil.

Quicksilver offers a complete range of top quality oils to help you get the best out of your engine.






You want to try something new?

Visit your Mercury dealer and discover Quicksilver's wide range of water sports accessories.

after the boating season >> winterizing

After a season full of boating fun, your engine needs a winter break. Autumn is the perfect time to prepare your boat and engine for winter storage. Quicksilver offers the broadest range of winterizing products to keep your boat and engine in perfect shape during winter time. Visit your dealer and go to www.quicksilverwinterization.com to learn about our winterizing promotion campaigns.

specifications

Models ⁽¹⁾		Kilowatts ⁽²⁾	Max. RPM at Full Throttle	Cylinders	Displacement	Starting	Gear Ratio	Gear shift	Steering
MERCURY OPTIMAX									
225-135	225 • 200 OptiMax	 165 • 147 kW	5000-5750	V-6 (60° Vee)	3032 cc	Electric (turn-key)	1.75:1	Forward (F) - Neutral (N) - Reverse (R)	Remote
	175 • 150 • 135 OptiMax	 129 • 110 • 99.2 kW	175 • 150: 5250-5750 135: 5000-5600	V-6 (60° Vee)	2507 cc	Electric (turn-key)	175 • 150: 1.87:1 135: 2.00:1	Forward (F) - Neutral (N) - Reverse (R)	Remote
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	Forward (F) - Neutral (N) - Reverse (R)	Remote
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	Forward (F) - Neutral (N) - Reverse (R)	Remote
	200 EFI	 147 kW	5000-5800	V-6 (60° Vee)	2507 cc	Electric (turn-key)	1.87:1	Forward (F) - Neutral (N) - Reverse (R)	Remote
	90 • 75	66.2 • 55.1 kW	90: 5000-5500 75: 4750-5250	3 (in-line)	1386 cc	Electric	2.33:1	Forward (F) - Neutral (N) - Reverse (R)	Remote
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	Forward (F) - Neutral (N) - Reverse (R)	Remote
	40	29.4 kW	4500-5500	2 (in-line)	644 cc	Manual or Electric	2.00:1	Forward (F) - Neutral (N) - Reverse (R)	Tiller std: M, ML Optional: E, EL - Remote std: E, EL Optional: M, ML
	30	22.1 kW	4800-5500	2 (in-line)	429 cc	Manual or Electric	1.92:1	Forward (F) - Neutral (N) - Reverse (R)	Tiller: M, ML - Remote: E, EL
	15 • 10	11 • 7.4 kW	5000-6000	2 (in-line)	262 cc	Manual	2.00:1	Forward (F) - Neutral (N) - Reverse (R)	Tiller handle
	5 • 4	3.68 • 2.9 kW	5: 4000-5000 4: 4500-5500	1	102 cc	Manual	2.15:1	Forward (F) - Neutral (N) - Reverse (R)	Tiller handle (360°) (Remote optional)
	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	3.3: Forward (F) - Neutral (N) 2.5: Forward (F)	Tiller handle (360°)

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

Alternator System ⁽³⁾	Trim Positions	Fuel Tank	Fuel Requirements	Weight ⁽⁴⁾	Recommended Boat Transom Height	Induction System	Counter Rotation
Belt-Driven 60 amp (756 watt)	Power trim standard	Optional	Unleaded 90 RON min.	225 kg	508 mm (L) - 635 mm (XL)	2-stage direct fuel injection	Available on XL models
Belt-Driven 60 amp (756 watt)	Power trim standard	Optional	Unleaded 90 RON min.	195 kg	508 mm (L) - 635 mm (XL)	2-stage direct fuel injection	Available on XL models
Belt-Driven 60 amp (756 watt)	Power trim standard	Optional	Unleaded 90 RON min.	170 kg	115: 508 mm (L) - 635 mm (XL) 90 • 75: 508 mm (L)	2-stage direct fuel injection	N/A
Belt-Driven 60 amp (756 watt)	Power trim standard	Optional	Leaded or unleaded 90 RON min.	220 kg	635 mm (XL)	Loop-charged (EFI)	Available on XL models
Belt-Driven 60 amp (756 watt)	Power trim standard	Optional	Leaded or unleaded 90 RON min.	188 kg	635 mm (XL)	Loop-charged (EFI)	Available on XL models
18 amp (227 watt)	Power trim standard	Optional	Leaded or unleaded 90 RON min.	139 kg	508 mm (L) Shaft extension kit available 635 mm (XL)	Loop-charged (3 carb)	N/A
16 amp (201 watt)	60 • 50: Gas assist (Power trim optional) 60 BIGFOOT: Power trim standard	Standard	Leaded or unleaded 90 RON min.	60: 100 kg 60 BIGFOOT: 109 kg 50: 93 kg	60 • 50: 381 mm (S) - 508 mm (L) 60 BIGFOOT: 508 mm (L)	Loop-charged (3 carb)	N/A
Electric: 18 amp (227 watt) Manual: 10 amp (126 watt)	5 and shallow water drive (Power trim optional)	Standard	Leaded or unleaded 90 RON min.	75 kg	381 mm (S) 508 mm (L)	Loop-charged (1 carb)	N/A
6 amp (80 watt)	6	Standard	Leaded or unleaded 90 RON min.	51 kg	435 mm (S) - 562 mm (L)	Cross flow (1 carb)	N/A
Standard: ML Optional: M 6 amp (76 watt)	3 and 3 shallow water drive positions	Standard	Leaded or unleaded 90 RON min.	35 kg	15: 381 mm (S) 508 mm (L) Shaft extension kit available 10: 381 mm (S)	Cross flow (1 carb)	N/A
Optional 4 amp (50 watt) lighting 2 amp (25 watt) charging	6 and shallow water drive	5: Standard + integrated fuel tank 2.5 litres 4: Integrated fuel tank 2.5 litres	Leaded or unleaded 90 RON min.	20 kg	381 mm (S) 508 mm (L)	Loop-charged (1 carb)	N/A
N/A	4	Integrated fuel tank 1.4 litre	Leaded or unleaded 90 RON min.	13 kg	3.3: 381 mm (S) 508 mm (L) 2.5: 381 mm (S)	Loop-charged (1 carb)	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. (4) Dry weight specification is for lightest model and excludes engine oil, rigging hardware and propeller.



SmartCraft Integrated Marine technology standard.

stay up-to-date

Stay in touch with Mercury, Quicksilver and other brands of the Brunswick Marine family.

Following internet sites will provide you with a wealth of information.

www.mercurymarine.com

Mercury Marine USA website

www.mercuryverado.eu

European website dedicated to Verado

www.Quicksilverwinterization.com

European website dedicate to winterizing

www.BrunswickMarineEMEA.com

European corporate website.

Your portal to all Brunswick Marine *in* EMEA products, services and brands



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