

ABM's
ENGINE ROOM

Mercury's New 75-115hp FourStrokes

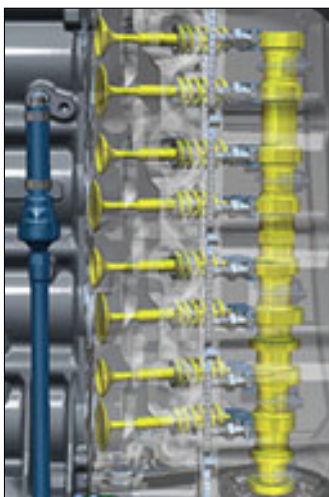
Mercury Marine is asking customers to 'Unthink' everything they know about FourStroke outboards with the introduction of its all-new 75, 80, 90, 100 and 115hp FourStroke outboard models.

Cutting-edge engineering has delivered a compact and low weight package from a 2.1-litre, four-cylinder, eight-valve, low friction valve train (*see pic in centre*) with single-overhead-cam design, to provide outstanding torque and horsepower.



115 EFI FOURSTROKE SPECIFICATIONS

HP/kW	115 / 84.6
Full throttle RPM	5000-6000
Cylinder Configuration.....	I-4
Displacement (L)	2.1
Bore and Stroke	90 x 81mm
Fuel Induction System	Computer controlled Sequential Multi-Port Electronic Fuel Injection (EFI)
Ignition.....	SmartCraft PCM Digital Inductive Alternator.....35 amp / 441 watt
Cooling System	Water-cooled with thermostat
Starting	Smart Start Electric
Gearcase Ratio	2.07:1
Gear Shift	F-N-R
Gearcase Options	Standard
Steering	Dual Cable Mechanical, Hydraulic, or Big Tiller
Trim System	Power Tilt, Power Trim
Exhaust System	Through prop
Recommended Fuel	Unleaded Regular 87 Octane Minimum (R+M/2) or 90 RON 10% Ethanol Maximum
Compatible: Smartcraft Digital Technology	Yes
Shaft Length	20 in (508 mm) 25 in (635mm)
Dry Weight * Lightest model available	163kg



At 2.1L, the new Mercurys have one of the largest displacements in their class and deliver up to 23% more torque over previous FourStroke models.

In fact, despite their larger capacity, the new 115hp FourStroke model is the lightest on the planet, coming in 9kgs lighter than the next closest competitive

FourStroke product. So light and compact, the 75-115hp FourStrokes even trump Mercury's ever popular 1.5L OptiMax direct-injection models in the weight department.

Excellent fuel efficiency is also delivered, with the new 115hp model offering up to 14% better cruise speed economy over Mercury's previous FourStroke model.

The new Mercury FourStroke engines are based on the same architecture as the extremely popular Mercury 150hp FourStroke, prized for its simplicity, efficiency, and strong balance of durability and performance. And unlike competitive 4-strokes, the lower friction valve train is maintenance free for the life of the engine, meaning less time in the workshop



and more time on the water.

Like all of Mercury's engines, the new 75-115hp FourStrokes have been tested mercilessly to make them more durable and reliable. Over 17,000 hours of testing, including high speed log strikes, saltwater spray booths, high humidity chambers and hot and cold water temperatures, and hours of endurance testing, mean Mercury has gone even further to ensure these new engines are the most durable and reliable yet.

World Class Gearbox Design

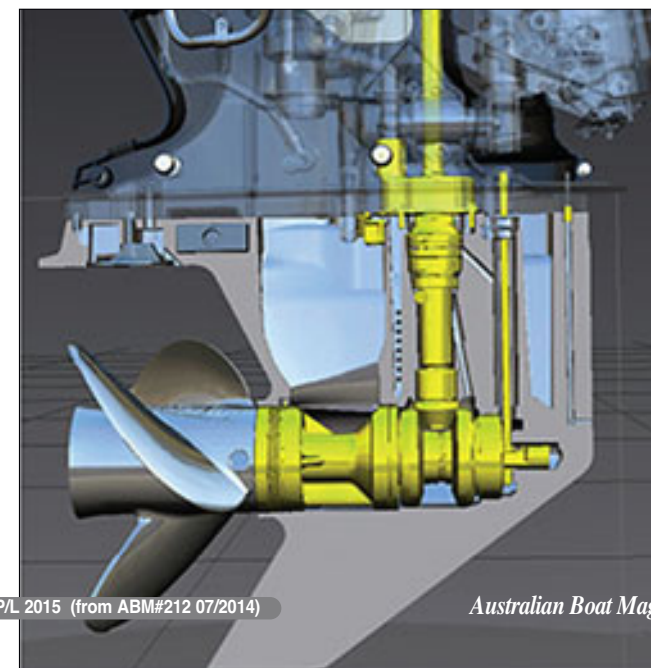
An all-new, world-class hydro-dynamically designed gearcase comes as standard, decreasing drag by 15% to improve efficiency and performance – less fuel is consumed so operating range is increased.

This standard gearcase significantly improves performance on aluminum or fibreglass bass boats, flats boats, skiffs, and smaller (less than 5.5 metres/18 feet) deep-vee and runabouts.

For heavier boats or boats that tend to run "wet" (more hull surface remaining in contact with the water after it's planed), the new robust Mercury Command Thrust gearcase delivers unequalled control - whether you're looking for improved overall performance and docking maneuverability, added thrust and holding power in rough waters or simply additional lift.

Available with the 90 and 115hp FourStroke Outboards, the Command Thrust models (previously known as Big Foot) use the same bigger gearcase housing as the Mercury 150 FourStroke, but with an all-new 2.38:1 ratio ideally suited for heavier boats.

It's the first true oversized gearcase in the industry for outboards in this horsepower range.





Heavy and wet-running boats benefit from the gearcase's ability to quickly lift a hull out of the water, resulting in greater acceleration and superior ability to hold plane at slower speeds.

The 90 and 115hp Command Thrust models are also available with left-hand rotation for improved handling and docking in dual-engine installations, perfect for offshore fishing enthusiasts and a variety of applications. With Command Thrust (see pic P-69) you not only experience the benefit of a larger, heavy-duty gearcase, but also the larger-diameter class of V6 propellers that go with it, such as Mercury's popular Enertia series.

Smooth & Quiet

Mercury's new 75-115hp FourStroke outboards have been engineered and manufactured to provide the smoothest, quietest ride. A tightly sealed top cowl and idle relief muffler system lessen high-frequency exhaust noise. A top-mounted throttle body fine-tunes intake noise, while the exclusive Focused Mount System greatly reduces vibration. Even the trim pump is designed to run significantly quieter, and a new clutch system reduces shock while shifting into gear. All of these features deliver a smoother, quieter, more pleasant boating experience.

These new FourStroke outboards also feature Mercury's industry-leading anti-corrosion protection that includes Mercury's exclusive XK360 low-copper alloy, extensive use of stainless steel components and the MercFusion paint process, which is engineered specifically for the harshest marine environments. Mercury backs up its

corrosion protection with an industry-leading three-year factory-backed limited warranty.

A full range of Mercury's dedicated SmartCraft digital gauges, including SmartCraft SC1000 gauges, VesselView4 and VesselView7 screens, can be optioned with these engines, along with a wide range of propellers to help boaters get the most from their packages.

To find out more about the brilliant new 75 to 115hp FourStroke outboard range, visit your nearest Mercury dealer or go online at mercurymarine.com.au.

