



## ***Potent power. Reassuring reliability.***

The F80 and F100 are amongst the most versatile and user-friendly outboards in this power sector. In fact, in terms of their sheer power-to-value ratio, they are very hard to beat.

Yamaha's latest 4-stroke technology means both models offer unmatched performance – thanks to a 16-valve engine with Dual Overhead Camshaft (DOHC) for improved acceleration, advanced intake and exhaust system designs – and Yamaha's unique multi-point Electronic Fuel Injection (EFI).

A range of convenient features – including PrimeStart™, a high-output alternator, Digital Network Gauges and Yamaha's Wide-Range Power Trim & Tilt system – gives you the confidence that you're always in full control.

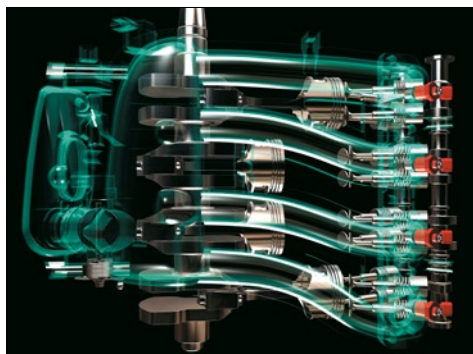
- Yamaha's Customer Outboard Protection (Y-COP)
- EFI for cleanliness, efficiency and economy
- Double Overhead Camshaft (DOHC) aids performance
- Large single throttle valve – for smooth power
- Micro-computer ECM (Engine Control Module)
- Digital Network Gauges
- Variable trolling RPM
- PrimeStart™ system for easy starting
- Wide Range Power Trim & Tilt for smooth control
- Yamaha's Ideal Anti-corrosion Protection (YDC-30)
- Blow-by gas reburning system

## ***Technology the world trusts***

Whether you're a recreational boat owner or a busy professional, choose the engine that will help you get more out of your boat.

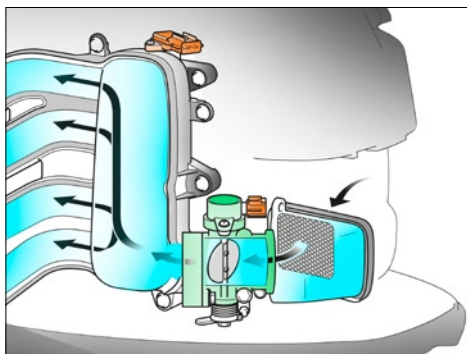
Every engine in the Yamaha range uses the very latest Yamaha marine technologies, engine layouts and ingenious intake and exhaust systems. Efficient performance is ensured by a system of micro-computer controls that precisely monitor the engine – from fuel mixture to combustion efficiency and maintenance scheduling.

And, without compromising on power, performance or usability, our specially designed marine engines also help preserve the environment through the use of pioneering clean-burn technologies.



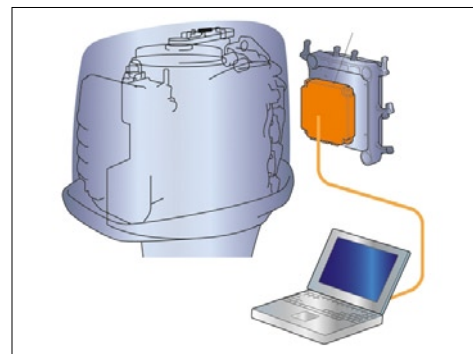
## 16-valve DOHC engine layout

The DOHC (Double Overhead Camshaft) layout, with its increased cylinder capacity and large valves, results in optimum valve actuation, delivering improved acceleration and performance. Yamaha's latest 4-stroke technology combines this with advanced intake and exhaust system designs – and our unique multi-point Electronic Fuel Injection (EFI).



## Large single throttle valve

This innovative system controls the flow of air to all four cylinders, pulse-tuning it before it reaches the injectors of the EFI system. The air is therefore delivered with ultimate precision, according to the demands of the driver and the combustion conditions.



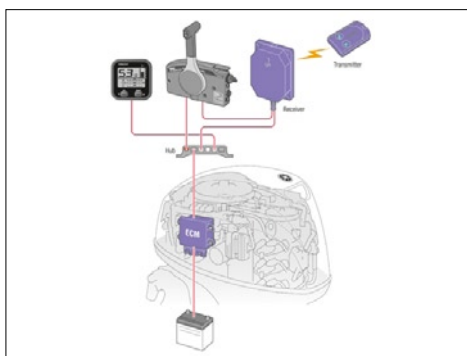
## Micro-computer ECM (Engine Control Module)

A reliable micro-computer is the 'brain' of your engine. By constantly monitoring all data inputs and settings, it helps to ensure smooth running and optimised ignition timings – as well as automatically activating warning and protection systems. A handy access port lets authorised Yamaha dealers easily diagnose any problems.



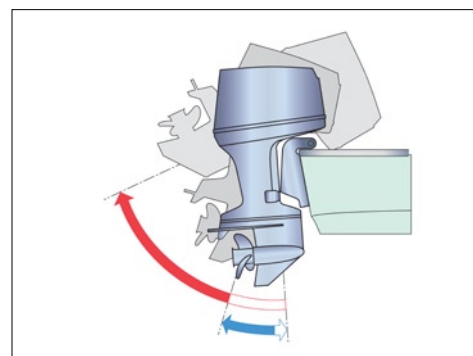
## Digital Network Gauges

A range of digital instruments give you access to the information you need to maximise engine performance and efficiency. A Multifunction Tachometer displays RPM, hours, trim angle, oil pressure and warning lamps. The Speed/Fuel Management Gauge shows speed, tank capacity and fuel economy data.



## Yamaha Customer Outboard Protection (Y-COP)

The Y-COP immobiliser system is simple, easy to use and highly effective – a neat and simple remote control locks and unlocks the engine at the push of a button. This prevents your outboard engine being taken for any unauthorised joyrides, offering you peace of mind when leaving your boat unattended.



## Wide Range Power Trim & Tilt

Discover the versatility and power of a Yamaha engine. Quick response, via push-button control, makes trim and tilt adjustments swift, smooth and easy. Experience a trim range of -4° to +16°, with negative trim settings improving acceleration and bringing the boat onto the plane quickly.

Model	F100	F80
<b>Engine</b>		
Engine type	4-stroke	4-stroke
Displacement	1596 cm <sup>3</sup>	1596 cm <sup>3</sup>
No. of cylinders/Configuration	4/In-line	4/In-line
Bore x stroke	79.0 mm x 81.4 mm	79.0 mm x 81.4 mm
Prop shaft output at mid range	73.6kW / 5,500 rpm	58.8kW / 5,500 rpm
Full Throttle Operating Range	5,000 - 6,000 rpm	5,000 - 6,000 rpm
Lubrication system	Wet sump	Wet sump
Electronic Fuel Injection	EFI	EFI
Ignition / advance system	TCI/Micro-Computer	TCI/Micro-Computer
Starter system	Electric	Electric
Gear ratio	2.27 (25/11)	2.27 (25/11)
<b>Dimensions</b>		
Recommended boat transom height	L:508mm X:635mm	L:508mm X:635mm
Weight with propeller	F100DETL: 170.0 kg, F100DETX: 173.0 kg	F80BETL: 170.0 kg, F80BETX: 173.0 kg
Fuel tank capacity	option	separate, 25 litres
Oil pan capacity	3.5 litres	3.5 litres
Weight without propeller		
<b>Additional features</b>		
Steering	Remote Control	Remote Control
Throttle and Shift Controls	Remote Control	Remote Control
Trim & Tilt method (trim angle)	Power Trim & Tilt	Power Trim & Tilt
Light coil / Alternator Output	12V - 25A	12V - 25A
Propeller	Options available	Options available
Remark	The kW data in this sheet is based on the ICOMIA 28 standard, measured at the prop shaft	The kW data in this sheet is based on the ICOMIA 28 standard, measured at the prop shaft



### The Yamaha Chain of Quality

Yamaha technicians are fully trained and equipped to offer the best service and advice for your Yamaha product. For this reason, Yamaha strongly recommends visiting an official Yamaha dealer for all your service requirements. Yamaha Marine Parts & Accessories are especially developed, designed and tested for our Yamaha product range. Yamaha also recommends the use of Yamalube®. Yamalube® is our own range of high-tech lubricants, the lifeblood of Yamaha engines. They are developed to carry on working effectively, no matter where you drive.



Besides functional and style accessories, Yamaha offers a range of high quality, innovative boating gear. An extensive range of casual wear is also available. For more information go to:

[www.yamaha-motor-acc.com](http://www.yamaha-motor-acc.com)