



## ***Cutting-edge technology that's a pleasure to use***

The legendary F150, with its sleek looks and great features, brings you complete relaxation on the water - thanks to cutting edge technology that delivers clean, efficient, economical performance.

This includes an advanced DOHC (Double Overhead Camshaft) design and special intake and exhaust systems to optimise the combustion process. The tough 8-tooth dog clutch delivers smooth shifting and long life - and a special cowling design traps and drains water more efficiently.

Many other unique features, like Variable Trolling RPM control, our Wide Range Power Trim & Tilt system – and Yamaha's optional Y-COP remote security system, make this new engine a real pleasure to use.

- ▶ Cowling design traps and drains water efficiently
- ▶ EFI for cleaner power and greater efficiency
- ▶ DOHC (Double Overhead Camshaft) aids performance
- ▶ PrimeStart™ system for easy starting
- ▶ Variable Trolling RPM controls low speed operation
- ▶ Compatible with Yamaha Digital Network system
- ▶ Wide Range Power Trim & Tilt
- ▶ Yamaha Customer Outboard Protection (Y-COP) option
- ▶ Optional Tilt Limiter switch system
- ▶ Optional Dual Battery Charging system
- ▶ Counter-rotating propeller model available
- ▶ High-output alternator



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

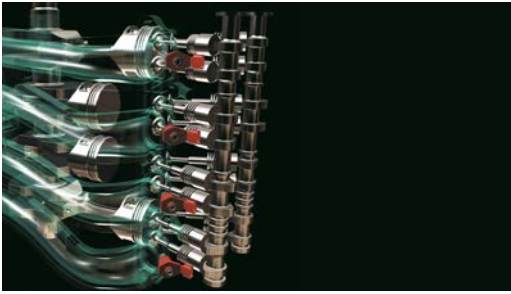
Whether you enjoy the thrill of water sports or just relaxing on your boat, choose the engine that helps you get more out of your time on the water.

Every engine in our range uses Yamaha's latest marine technologies, engine layouts and ingenious intake and exhaust systems - and our 4-stroke development has been so successful because, rather than just adapting ordinary automotive engines for the water, we design and build our marine-specification 4-strokes from scratch.

Without compromising on power, performance or usability, these specially designed engines also help preserve the environment with the use of pioneering clean-burn technologies.







### 16-Valve DOHC Direct-Action In-Line 4

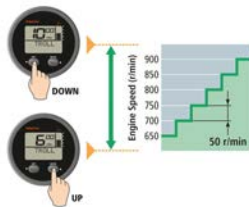
With 2 intake valves and 2 exhaust valves on each cylinder – and, with twin camshafts, each also driven independently – intake and exhaust efficiency are dramatically improved, optimising fuel use during combustion. The TCI ignition system ensures easy starting, consistency, longer plug life and – ultimately – reliability.

### Sleek and efficient cowling design

An attractive appearance is not the only advantage of this purposeful-looking cowling. It is designed to trap and drain water with maximum efficiency, leading to even smoother operation, less corrosion and longer engine life.



Remote control model (ET)



### Variable Trolling RPM control

This sophisticated system allows you to control low speed operation smoothly and easily, by adjusting your speed in 50 RPM steps at the touch of a switch. Ideal for fishing, or for cruising politely through no-wake zones!

### Digital Network Gauges (optional)

All our EFI engines can be linked, via Yamaha's own network system, to a wide range of digital instruments - to help you get the best from your engine. A multi-function tachometer displays RPM, engine hours, trim angle, oil pressure and warning lamps. The combined Speed & Fuel Management gauge shows speed, fuel tank level and economy data.



### Micro-computer ECM (Engine Control Module)

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

### Yamaha Customer Outboard Protection (Y-COP) option

The Y-COP immobiliser system is simple, easy to use and highly effective – a neat and simple remote control locks and unlocks the engine's ECM 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.



Engine	F150D
Engine type	4-stroke
Displacement	2,670 cm <sup>3</sup>
No. of cylinders/configuration	4/In-line, 16-valve, DOHC
Bore x stroke	94.0 mm x 96.2 mm
Prop shaft output at mid range	110.3kW / 5,500 rpm
Full throttle operating range	5,000 - 6,000 rpm
Lubrication system	Wet sump
Fuel Induction System	EFI
Ignition / advance system	TCI
Starter system	Electric with Prime Start™
Gear ratio	2.00 (28/14)

Dimensions	F150D
Recommended boat transom height	L:516mm X643mm
Weight with propeller	F150DETL: 222.0 kg, FL150DETL: 222.0 kg, F150DETX: 227.0 kg, FL150DETX: 227.0 kg
Fuel tank capacity	-
Oil pan capacity	4.5 litres

Additional features	F150D
Control	Remote Control
Trim & tilt method	Power Trim & Tilt
Lighting Coil / Alternator	12V - 35A with rectifier/regulator
Tilt limiter (only for remote control specs)	Optional
Engine immobiliser	YCOP optional
Propeller	Optional
Counter Rotation Model	Available (ETL, ETX)
Shallow Water Drive	Standard
Digital Network Gauge II (LCD Color)	-
Digital Network Gauge (Round/Square)	Optional
Variable Trolling RPM	-
Dual Battery Charging System	Optional
Shift Dampener System (SDS)	Optional
Remark	The kW data in this sheet is based on the ICOMIA 28 standard, measured at the prop shaft,