



A lightweight heavyweight.

Sophisticated, state-of-the-art engineering can be packaged to look great, a fact proved by our impressive new V MAX SHO line-up. These advanced technology, 4-cylinder, 16-valve EFI engines conceal awesome out-of-the-hole performance, acceleration and speed within their sleek, streamlined designs.

The powerful V MAX SHO engines have been specially designed to deliver the exhilarating, wind-in-the-hair performance sought after by owners of today's fastest sports, fishing and adventure boats. The option of a 25-inch shaft available across this dynamic new range adds a further competitive edge.

Despite its sleek looks and aggressive performance, a V MAX SHO still delivers everything the world has come to expect from a Yamaha 4-stroke engine – smooth, whisper-quiet operation, impressive fuel economy, high-Amp electrical charging capacity - and reliability that is simply second to none.



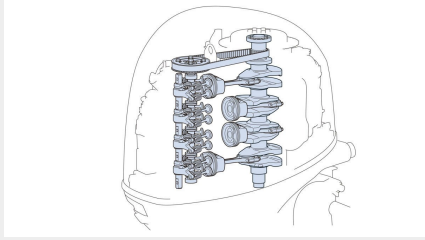
- Incredible acceleration – perfect for lightweight boats
- Class-leading torque and high-speed performance
- Compact design – more power delivered for less weight
- Distinctive & well-known 'V MAX SHO' cowling design
- High output 35A alternator – power from low RPM
- Smooth and quiet - for relaxed boating and fishing
- Unmatched Yamaha reliability

A lightweight heavyweight.

V MAX SHO 90 is the lightest model in the internationally renowned VMAX range. Specifically tuned to deliver unexpected out-of-the-hole performance and acceleration with blistering top speed, it's the ultimately stylish way to get out on the water to satisfy your sporting instincts.

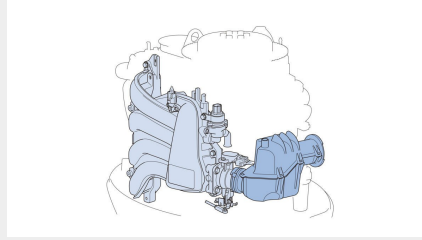
In technical terms, the V MAX SHO is a masterpiece of engineering craftsmanship. In order to achieve the results we wanted – low weight with high performance - our engineers came up with a single overhead camshaft format, with 4 large valves per cylinder and a special long-track intake manifold.

That's why the V MAX SHO 90 is ideally suited for the light, fast exciting boats that people use to get out and have fun with their friends. In fact, despite its compact size and modest weight, it still delivers best-in-class torque and high speeds – without compromising our signature quality.



SOHC design with 4 valves per cylinder

To keep weight down and efficiency up, the V MAX SHO 90hp features an unusual internal design - a single overhead camshaft with 4 valves per cylinder. This set-up means less mass in the cylinder head and reduced overall engine weight. The 4 valves per cylinder format also helps deliver highly efficient combustion which, in turn, increases power, torque and economy.



Tuned long-track induction system

The long-track intake manifold is another special feature of the V MAX SHO - specially designed to boost out-of-the-hole performance as well as torque, acceleration and top speed.



Unique Yamaha 'V MAX SHO' cowling design

Featuring Yamaha's already famous 'V MAX SHO' metallic black and red cowling, the new range shows off its heritage strongly, but the latest cowl design features a dynamic, aggressive and sporty new graphics scheme that makes a real statement. On the transom of your boat it clearly says "This is no ordinary outboard" – and it isn't!



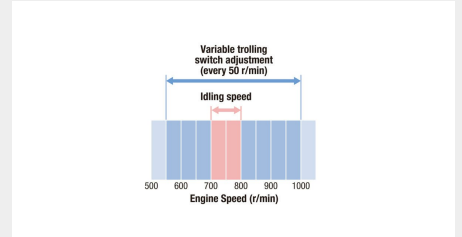
High-power 35 Amp alternator

We want to make sure you never lack power for starting, battery charging or running accessories when you're out on the water, which is why we equip the V MAX SHO 90hp with a three-phase alternator. With its 35 Amp capacity, it even has the power to charge your batteries at trolling speed. That's called peace of mind – and you can expect it when you own a Yamaha.



Multi-function tiller handle option

Yamaha's multi-function tiller handle incorporates engine start/stop, emergency stop, gear shift, power trim and tilt operation, variable trolling switch, warning system and key controls. All in one convenient, solid-feeling, easy-to-use control system.



Variable Trolling RPM (option)

Trolling speed adjustment from 550-1000 RPM in 50 RPM increments. Ideal for fishing or when navigating waterways, marinas or speed limit areas. Trolling speed can be set to 200 RPM below idle speed.

Engine

Engine type	4-stroke
Bore x stroke	81,0 x 88,9 mm
Displacement	1.832cc
Prop shaft output at mid range	66.2 kW / 90 HP
Full Throttle Operating Range	5000 - 6000 r/min
Lubrication system	Wet sump
Ignition / advance system	TCI
Gear ratio	2.33 (28/12)
Starter system	Electric with Prime Start™
No. of cylinders/Configuration	4/in-line, 16-valve, SOHC
Fuel Induction System	EFI

Dimensions

Oil pan capacity	3.2L / 3.0L
Transom height	L: 516mm / X: 643 mm
Weight without propeller	162kg - 166kg

Additional Features

Light coil / Alternator Output	12V - 35A w. rectifier / regulator
Trim & Tilt method	Power Trim & Tilt
Propeller	Optional
Variable Trolling Speed	With DN Gauges or m-f tiller handle
Shift Dampener System (SDS)	Optional
Control	Remote Control
Engine immobilizer	YCOP optional
Shallow Water Drive	Standard
Digital Network Gauge (6Y8/6YC)	Standard
Tilt limiter	Optional