



## 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, four-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 four-stroke engine – smooth, whisper-quiet operation, impressive fuel economy, high-Amp electrical charging capacity – and reliability that is simply second to none.



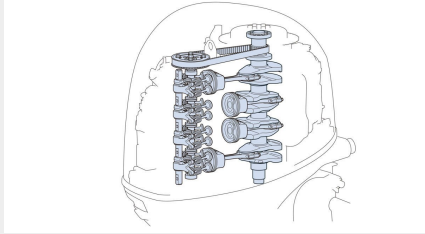
- Incredible acceleration – perfect for lightweight boats
- Class-leading torque and high-speed performance
- Compact design – more power delivered for less weight
- Distinctive & well-known "V MAX SHO" cowling design
- High output 35A alternator – power from low RPM
- Smooth and quiet – for relaxed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

## A lightweight heavyweight.

V MAX SHO 90hp 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.

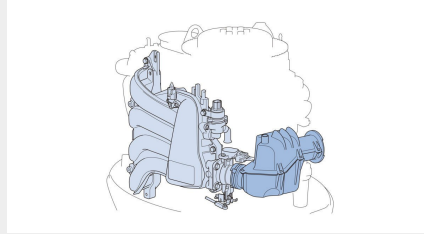
In technical terms, the V MAX SHO is a masterpiece of engineering craftsmanship. In order to achieve the results we wanted – low weight with high performance – our engineers came up with a single overhead camshaft format, with four large valves per cylinder and a special long-track intake manifold.

That's why the V MAX SHO 90hp 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 four 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 four valves per cylinder. This set-up means less mass in the cylinder head and reduced overall engine weight. The four valves per cylinder format also helps deliver highly efficient combustion which, in turn, increases power, torque and economy.



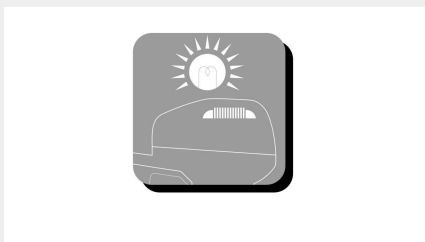
## Tuned long-track induction system

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' cowl design

Featuring Yamaha's already famous "V MAX SHO" metallic black and red cowl, 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!



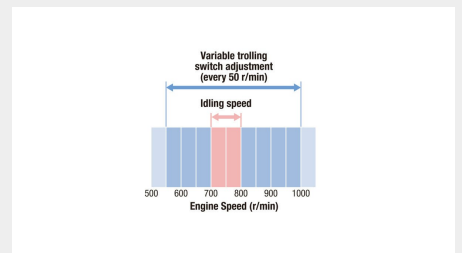
## High-power 35 Amp alternator

We want to make sure that 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 550-1,000 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
Displacement	1.832 cc
No. of cylinders/configuration	4/in-line, 16-valve, SOHC
Bore x stroke	81.0 x 88.9 mm
Prop shaft output at mid range	66.2 kW / 90 HP
Full throttle operating range	5,000-6,000 r/min
Lubrication system	Wet sump
Fuel Induction System	EFI
Ignition / advance system	TCI
Starter system	Electric with Prime Start™
Gear ratio	2.33 (28/12)

## Dimensions

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

## Additional Features

Control	Remote Control
Trim & tilt method	Power Trim & Tilt
Lighting Coil / Alternator	12 V – 35 A w. rectifier / regulator
Engine immobiliser	YCOP optional
Propeller	Optional
Variable Trolling RPM	With DN Gauges or m-f tiller handle
Shallow Water Drive	[Standard]
	[Standard]
Tilt limiter	Optional
Shift Dampener System (SDS)	Optional



# V MAX SHO 90hp

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