



## 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, our specially designed marine engines also help preserve the environment with the use of pioneering clean-burn technologies.

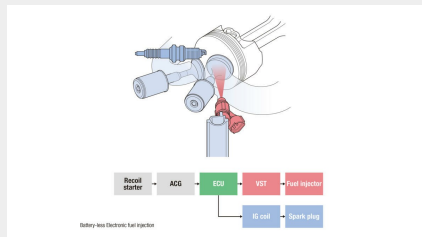


- One-piece, solid top cowling
- Power Tilt option
- Manual and Electric start options
- PrimeStart™ system for easy starting
- Optimum power-to-weight ratio
- Front-mounted shift lever for easy control
- Light-load manual starter
- Convenient vertical & horizontal storage positions
- High-output alternator
- Shallow Water Drive for cruising close inshore
- Unique and economical power-to-weight performance
- Fresh Water Flushing system



## Latest, one-piece top cowling design

Instantly recognisable as a brand new Yamaha, this smart engine features our latest one-piece cowling, with stylish graphics and a genuinely 'solid' feel that any owner will appreciate. A cleverly designed water-draining air intake duct is built into the cowling too.



## Easy starting, security - and VTS

Starting - even from cold or after storage - really is as easy as starting a car. Exclusive to Yamaha, the combination of our legendary PrimeStart™ and new battery-less EFI systems ensures that your engine fires up first time, every time. What's more, you can choose VTS (Variable Trolling Speed) and Y-COP immobiliser security options too.



## Now compatible with Yamaha's Digital Network Gauges

You'll find the new 20hp very easy to handle and comfortable to drive, thanks to its many new features. Remote control models for example, are fully compatible with our advanced Digital Network system, which offers the driver a comprehensive selection of information, as well as a more precise and relaxing level of control.



## Large multi-function tiller handle option

This great option brings all the engine controls neatly within reach of the driver and provides an even larger tiller for comfortable steering, handling and manoeuvring. Whether pottering around the marina or flying along at the higher speeds this remarkable engine can deliver, it makes the 20hp even more enjoyable to own and use.



## Fresh Water Flushing system

An easy-access, front-mounted connector allows you to easily flush salt and dirt from the waterways without having to run the engine: just connect a hose and you're ready to go. This is a very efficient way to reduce corrosion and extend the life of your outboard.

Engine		
Engine type	4-stroke	
Displacement	362 cm <sup>3</sup>	
No. of cylinders/Configuration	2/In-line, SOHC	
Bore x stroke	63.0 mm x 58.1 mm	
Prop shaft output at mid range	14.7 / 5,500 rpm	
Full Throttle Operating Range	5,000 - 6,000 rpm	
Lubrication system	Wet sump	
Fuel Induction System	1-Carb	
Ignition / advance system	CDI	
Starter system	Electric (E, EH, EP);Manual (MH) with prime start™	
Gear ratio	2.08 (27:13)	

Dimensions		
Transom height	S438L:565mm	
Weight with propeller	F20BMHS: 51.0kg,F20BMHL: 53.0kg,F20BES: 52.0kg,F20BEL: 54.0kg,F20BEHL: 55.0kg,F20BEPS: 58.0kg,F20BEPL: 60.0kg	
Fuel tank capacity	separate, 25litres	
Oil pan capacity	1.8litres	

Additional Features		
Control	Tiller handle (MH, EH);Remote control (E, EP)	
Trim & Tilt method	Power Tilt (EP);Manual (MH, EH, E)	
Light coil / Alternator Output	12V -10Awith rectifier/regulator**	
Propeller	Included	
Remark	The kW data in this sheet is based on the ICOMIA 28 standard, measured at the prop shaft	



**20hp**