



Racing forever

Virtually every part of the latest R1M has been developed with the knowledge gained through the company's race teams over the last seven decades – including WSBK and MotoGP. Its M1-style carbon fairing gives over 5% more aerodynamic efficiency – and the sophisticated electronic control technologies and Electronic Racing Suspension were developed on the race track.

With an uneven firing sequence that delivers strong and linear torque, the unique 998cc crossplane engine is a direct spin off from Yamaha's M1 race bike.

So next time you see a Yamaha competing in WSBK or MotoGP, remember that these guys don't just win races. They're also developing the kind of advanced technology that you can see right now on the R1M.



- Aerodynamically efficient M1-inspired bodywork
- Premium Öhlins Electronic Racing Suspension (ERS)
- Öhlins NPX anti-cavitation gas forks
- 2-mode Brake Control (BC) system
- 3-Mode Engine Brake Management (EBM) system
- High efficiency 998cc EU5 engine
- Carbon tail section, carbon bodywork & fender
- Bridgestone Battlax RS11 tyres - 200 wide rear
- Production number engraved on special R1M plaque
- Lightweight ride-by-wire APSC throttle
- Launch Control (LCS) system
- Exclusive CCU enables wireless trackside tuning



Öhlins Electronic Racing Suspension (ERS)

The Öhlins Electronic Racing Suspension (ERS) is the most sophisticated suspension system ever used on a production Yamaha. Its advanced software enables you to corner, brake and accelerate more efficiently, and its user-friendly interface allows you to make rapid suspension setting changes to suit different tracks and surface conditions.



Öhlins NPX anti-cavitation gas forks

For enhanced surface feedback with more consistent damping performance, the latest R1M is equipped with Öhlins NPX gas forks. A small gas chamber in the fork axle brackets exert 0.6 Mpa of internal pressure to reduce cavitation on the rebound stroke. This enables the damping system to work more effectively, giving you accurate feel with increased control.



M1-inspired carbon bodywork

The R1M comes with a radical factory-bike look inspired by the Yamaha M1 MotoGP racer. The aggressive front cowl and screen reduce the frontal area for increased performance, and the integrated fairing flows seamlessly into the fuel tank sides to give a much tighter tuck-in position, giving an increase in aerodynamic efficiency of over 5%.



Lightweight carbon tail

To achieve the best mass centralisation together with a low race-ready weight the R1M features carbon bodywork and front fender, as well as magnesium wheels and rear frame and a titanium lower fairing cover. The latest model is also equipped with a carbon tail section that underlines this track bike's extremely high specification.



Engraved production number

Pride of ownership comes as standard with every R1M – after all, it's the most exclusive production Yamaha ever built! To highlight this bike's special status it therefore is fitted with a specially engraved plaque showing its unique production number.



Brake Control (BC) system

On the race track you need precision control in every situation if you're going to get your lap times down. Featuring two modes, the R1M's Brake Control (BC) system analyses data such as lean angle and slipping acceleration and instantly modulates hydraulic brake pressure to prevent wheel lock ups for a smoother and faster lap.

Engine	
Engine type	Liquid-cooled;EURO5;4-Cylinder;4-stroke;4-valves;DOHC
Displacement	998cc
Bore x stroke	79.0 mm x 50.9 mm
Compression ratio	13.0 : 1
Maximum power	147.1 kW (200.0PS) @ 13,500 rpm
Maximum Torque	113.3 Nm (11.6 kg-m) @ 11,500 rpm
Lubrication system	Wet sump
Clutch Type	Wet;Multiple Disc
Ignition system	TCI
Starter system	Electric
Transmission system	Constant Mesh;6-speed
Final transmission	Chain
Fuel consumption	7.2l/100km
CO2 emission	168g/km
Carburettor	Electronic Fuel Injection

Chassis	
Frame	Diamond
Caster Angle	24°
Trail	102 mm
Front suspension system	Telescopic forks
Rear suspension system	Swingarm
Front travel	120 mm
Rear Travel	120 mm
Front brake	Hydraulic dual disc, Ø320 mm
Rear brake	Hydraulic single disc, Ø220 mm
Front tyre	120/70 ZR17M/C (58W) Tubeless
Rear tyre	200/55 ZR17M/C (78W) Tubeless

Dimensions	
Overall length	2,055 mm
Overall width	690 mm
Overall height	1,165 mm
Seat height	860 mm
Wheel base	1,405 mm
Minimum ground clearance	130 mm
Wet weight (including full oil and fuel tank)	202 kg
Fuel tank capacity	17 litres
Oil tank capacity	4.9 litres



R1M

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Images shown in this brochure depict professional riders performing under controlled conditions. Specifications and appearance of Yamaha products as shown here are subject to change without notice and may vary according to requirements and conditions. For further details, please consult your Yamaha dealer.