R1M

Welcome to R-WORLD

The R1M is Yamaha's most advanced production bike, and its sophisticated technology enables every racer and track rider to discover their true potential.

Its Inertial Measurement Unit (IMU) offers precise control over traction, slides, front wheel lift, braking and launches, while the Communication Control Unit lets you analyse running data on tablet or smartphone. The refined Electronic Racing Suspension (ERS) with improved damping control delivers ultimate handling.

With its 200PS crossplane engine, QSS with upshift and downshift – as well as an ECU and carbon bodywork – the R1M brings YZR-M1 MotoGP Factory-bike technology to private owners.

- 998cc 200PS crossplane 4-cylinder engine
- Short wheelbase aluminium Deltabox frame
- Öhlins Electronic Racing Suspension (ERS)
- Quickshift System (QSS)
- Communication Control Unit with wireless remapping
- YZR-M1 MotoGP style carbon bodywork
- 6-axis IMU with Gyro/G sensors for 3D motion data
- Lift Control / Launch Control / Slide Control
- Upward truss type swingarm / magnesium rear frame
- Magnesium rear frame
- Exclusive Yamaha Racing Experience for R1M owners

Yamaha R1M. We R1

With its 200PS crossplane engine, compact aluminium/magnesium chassis and lightweight carbon body, the R1M fuses YZR-M1 MotoGP technology with R-series DNA.

For reduced lap times the Quickshift System (QSS) giving seamless upshifting and downshifting. The Electronic Racing Suspension (ERS) automatically adjusts damping to give higher levels of braking, acceleration and cornering control – and the interface makes selecting modes easier.

The ECU works with the QSS and improved lift control system (LIF) to allow harder acceleration – and the fairing's restyled graphics focus on its lightweight carbon structure.

Electronic Racing Suspension (ERS)

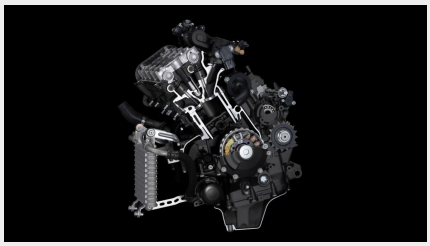
The Electronic Racing Suspension (ERS) is the most sophisticated system ever developed by Öhlins for a production motorcycle. Its advanced software gives a higher degree of braking, acceleration and cornering support with improved front-end feel – and the interface makes suspension set-up quick and easy.

Communication Control Unit (CCU)

The Communication Control Unit (CCU) has a data logging function that allows you to record a wide range of running data, including lap times, speed, throttle position, GPS tracking, lean angle and more. It can also be used to communicate with the Yamaha Ride Control (YRC) system when viewing, downloading or changing the running modes.

Lightweight carbon fairing

One of the many exclusive features on the R1M is its carbon fairing, and in order to underline the bike's exclusivity, the graphics are made of ultra-light material visible on the fairing panels.



YZR-M1 derived 200PS crossplane engine

The R1M is powered by a 998cc crossplane 4 cylinder 4-valve engine that develops 200PS - without ram air pressurization. Derived from our winning YZR-M1 MotoGP bike, its crossplane crankshaft gives an uneven 270° - 180° - 90° - 180° firing sequence for high levels of linear torque.

6-axis Inertial Measurement Unit (IMU)

The highly sophisticated 6-axis Inertial Measurement Unit (IMU) delivers precise running data to the new ECU – which activates the upgraded lift control sytem (LIF) as well as the MotoGP-derived banking angle sensitive rear wheel Slide Control System (SCS) and Traction Control System (TCS) for greater control and reduced lap times.

Quickshift System (QSS)

A high specification Quickshift System (QSS) offers clutchless upshifting and downshifting that helps to maintain chassis stability for faster lap times, and also reduces the physical and mental input required by the rider. Using the Yamaha Ride Control (YRC) function, R1M riders can also select their preferred QSS mode.

YAMAHA
Revs Your Heart

R1M

Engine	
Engine type	4-stroke; Liquid-cooled; DOHC; Forward-inclined parallel 4-cylinder; 4-valves
Displacement	998cc
Bore x stroke	79.0 mm x 50.9 mm
Compression ratio	13.0 : 1
Lubrication system	Wet sump
Clutch Type	Wet; Multiple Disc
Ignition system	TCI (digital)
Starter system	Electric
Transmission system	Constant Mesh; 6-speed
Final transmission	Chain
Maximum power	147.1 kW (200.0PS) @ 13,500 rpm
Maximum Torque	112.4 Nm (11.5 kg-m) @ 11,500 rpm
Fuel consumption	7.2l /100 km
CO2 emission	168 g/km

Chassis	
Frame	Diamond
Front suspension system	Telescopic forks, Ø 43 mm
Front travel	120 mm
Rear suspension system	Swingarm; link suspension
Rear Travel	120 mm
Front brake	Hydraulic dual disc, Ø 320 mm
Rear brake	Hydraulic single disc, Ø 220 mm
Front tyre	120/70 ZR17M/C (58W)
Rear tyre	200/55 ZR17M/C (78W)
Caster Angle	24°
Trail	102 mm

Dimensions	
Overall length	2 055 mm
Overall width	690 mm
Overall height	1 150 mm
Seat height	860 mm
Wheel base	1 405 mm
Minimum ground clearance	130 mm
Wet weight (including full oil and fuel tank)	201 kg
Fuel tank capacity	17 litres
Oil tank capacity	4.9 litres

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Images shown 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.