



## Get closer to the M1.

Yamaha first entered World Grand Prix racing 60 years ago, and during this period the factory's race bikes have won over 500 GP races. The latest R1M been constructed using all of the experience gained in MotoGP and WorldSBK, making this the most sophisticated production Yamaha motorcycle ever built.

Just like the M1 race bike, the R1M's hugely powerful 998cc crossplane engine features an uneven firing sequence that delivers strong and linear torque for exhilarating acceleration. And its advanced electronic control technology gives you the highest level of engine and chassis control, that allows you to push harder on every part of the circuit.



- M1-inspired carbon bodywork
- Öhlins Electronic Racing Suspension (ERS)
- Öhlins NPX anti-cavitation gas forks
- Lightweight carbon tail
- Engraved production number
- Brake Control (BC) system
- Engine Brake Management (EBM) system
- 998cc crossplane engine
- Ride-by-wire APSG throttle
- Launch Control (LCS) system
- Bridgestone Battlax RS11 tyres - 190 wide rear

Absolutely no compromises have been made in the development of this outstanding track bike, and its specification includes the most advanced Öhlins Electronic Racing Suspension (ERS) and NPX anti-cavitation gas front forks – as well as powerful brakes and a lightweight carbon bodywork in renewed carbon and black Icon Performance color. Yamaha R1M: because racing is life, and life is racing.

## R history. Your future.

The R1M is the most advanced production motorcycle ever created by Yamaha. Built specifically for supreme performance on the racetrack, it is equipped with revolutionary electronic control technology that enables you to push even harder and discover your true potential.

Yamaha has created the race-focused R1M using some of the most sophisticated technology developed from the race-winning M1 MotoGP bike. Its state-of-the-art Öhlins Electronic Racing Suspension (ERS) with NPX anti-cavitation gas front forks bring out your best performance at every circuit – and the low frontal area carbon bodywork helps to shave lap times.

But what really makes the R1M such a game-changer are the high-tech rider aids including Brake Control, Engine Brake Management and Launch Control – as well as a Communication Control Unit for datalogging and wireless engine tuning. Available in the renewed carbon and black Icon Performance color featuring blue accents and blue wheels, the R1M is the ultimate R-Series delivering the most complete racetrack package.



## M1-inspired carbon bodywork

The R1M comes with a radical factory-bike look inspired by the race-winning Yamaha M1 MotoGP bike. The aggressive front cowl and screen give a low frontal area for minimal drag, and the integrated fairing flows seamlessly into the fuel tank sides to give a tight tuck-in position for the most efficient aerodynamics.



## Öhlins Electronic Racing Suspension (ERS)

The Öhlins Electronic Racing Suspension (ERS) is the most sophisticated suspension system available 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 R1M is equipped with high-tech 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.



## Lightweight carbon tail

To achieve the best mass centralization together with a low race-ready weight the R1M features a carbon bodywork and front fender, as well as magnesium wheels and rear frame and a titanium lower fairing cover – and the carbon tail section underlines this sophisticated 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, the R1M 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         | 4-stroke; Liquid-cooled; 4-Cylinder; DOHC; 4-valves |
| Displacement        | 998cc   |
| Bore x stroke       | 79,0 × 50,9 mm                                      |
| Compression ratio   | 13,0 : 1  |
| Lubrication system  | Wet sump  |
| Clutch Type         | Wet; Multiple Disc                                  |
| Ignition system     | TCI   |
| Starter system      | Electric  |
| Transmission system | Constant Mesh; 6-speed                              |
| Final transmission  | Chain   |
| Carburettor         | Electronic Fuel Injection                           |
| Maximum power       | 147,1 kW (200,0 PS) @ 13.500 rpm                    |
| Maximum Torque      | 113,3 Nm (11,6 kg-m) @ 11.500 rpm                   |
| Fuel consumption    | 6,8 L / 100 km                                      |
| CO2 emission        | 159 g/km  |

## Chassis

|                         |                                |
|-------------------------|--------------------------------|
| Frame                   | Aluminium Deltabox; Diamond    |
| Front suspension system | Upside-down forks              |
| Front travel            | 120 mm                         |
| Rear suspension system  | link suspension; Swingarm      |
| Rear Travel             | 120 mm                         |
| Front brake             | Hydraulic dual discs, 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  |
| Caster Angle            | 24°                            |
| Trail                   | 102 mm                         |

## 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 L     |
| Oil tank capacity                             | 4,9 L    |

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.