



MOTOGP-DERIVED TRACK PERFORMANCE

A game changer when first introduced in 1998, the R1 has won both races and hearts in its almost three decades of existence. With both its styling and technology inspired by the YZR-M1 MotoGP bike, the R1 RACE offers a glimpse into life as a factory Yamaha racer.

Reach the next level of on-track performance with MotoGP-derived technology including the powerful and exhilarating CP4 engine, sophisticated electronics suite and aerodynamic bodywork including carbon-fibre GP-style winglets. Upgraded suspension and Brembo brakes offer further on track refinement in the constant pursuit of those crucial extra tenths.

A proven weapon of choice for both track-day riders and racers looking to take the next step towards victory, the R1 RACE has been developed without compromise from Yamaha's racing involvement at the very highest level, including MotoGP and World Superbikes. Take the next level in your racing or track day journey by making RWorld, yours.



- New MotoGP-inspired downforce winglets
- New generation KYB front forks
- New Brembo front master cylinder and Stylema calipers
- New grippy seat cover
- 998cc 200PS crossplane 4-cylinder engine with linear torque
- Fully track focused, all road components removed
- Sophisticated electronics package
- 6-axis IMU with Gyro/G sensors for 3D motion data
- Banking sensitive Traction Control (TCS) and Slide Control (SCS)
- Power Delivery Modes (PWR), Lift Control (LIF) and Quickshifter (QSS)
- Short wheelbase aluminium Deltabox frame

RACE DEVELOPED LEGACY

The R1 is an icon. Proven on the track, in the last decade alone it has won a WorldSBK championship, two Endurance World Championship titles and numerous championships at national level. Inspired by the YZR-M1 MotoGP bike, the R1 RACE reaches even higher levels of on-track performance with new aerodynamic winglets, upgraded suspension and Brembo braking system.

Designed to demonstrate the R1's true racing prowess on the closed circuit, the R1 RACE is a track-only model featuring cutting-edge technology which has been developed from knowledge gained through Yamaha's involvement in racing at the highest level. The remarkable 998cc 4-cylinder crossplane engine is a direct descendent of the YZR-M1 motor, and the R1's sophisticated electronics package was developed working directly with Yamaha's race teams.

The new-look, MotoGP-style aerodynamic winglets maximise the effects of the R1's anti-wheelie electronics as well as improving front-end feel and feedback when braking and cornering, offering next-level track performance without compromising the streamlined and evocative R1 design. Race derived and track ready, the R1 RACE will take your riding to the next level.



New MotoGP-inspired downforce winglets

The MotoGP-style aerodynamic winglets fitted to the top of the main fairing were designed and developed from technical feedback from the Yamaha Factory Racing MotoGP team. Made from carbon fibre to add as little weight as possible while ensuring strength and rigidity, the winglets not only generate downforce, but also offer an increased feeling of stability front-end feedback.



New generation KYB front forks

New 43mm KYB inverted front forks have been fully-re-designed and now feature individual adjusters for rebound and compression damping on the left and right fork tube, with two-way adjustment. Each fork leg now features a base valve, designed to optimise pressure in the cylinder by limiting or entirely preventing oil from flowing into the bottom of the fork, resulting in an improved damping response, enhanced contact feeling and better all-round stability.



Next level Brembo braking performance

Responsive and high-performing, the new front braking system featuring Brembo master cylinder and Stylema calipers take the R1 RACE's stopping power to the next level. The radial master cylinder features a piston which moves in a direction parallel to the brake level travel, applying pressure in a linear manner as the rider pulls the lever, while the lightweight Stylema calipers are designed to allow an optimised air flow for efficient cooling, reducing brake fade on track.



Fully-track focused, all road components removed

The R1 RACE is delivered track ready with no road-going components. Not only does this reduce the R1's weight, but also adds to the convenience as you roll it into the pit box, ready to hit the track for the first time. The pillion seat is replaced with a dedicated cover.



New grippy seat cover

An all-new seat cover material, with new texture, offers greater grip while still allowing the rider to shift their weight easily. In cornering, this helps the rider feel more connected to their R1 and adds to the renowned feeling of stability from the chassis.



998cc crossplane 4-cylinder engine with linear torque

A key feature of the R1's 4-cylinder 998cc engine is the crossplane crankshaft with its uneven firing sequence that delivers strong, linear torque. Featuring a high efficiency intake system along with specially designed finger-follower rocker arms, this race-developed engine delivers remarkable performance throughout the rev range.

Engine

Engine type	4-stroke; Liquid-cooled; DOHC; 4-valves; In-Line Four-Cylinder
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	Fuel Injection

Chassis

Frame	Diamond
Front suspension system	Telescopic fork
Front travel	120mm
Rear suspension system	link suspension; Swingarm
Rear Travel	120mm
Front brake	Hydraulic dual disc, Ø320 mm
Rear brake	Hydraulic single disc, Ø220 mm
Front tyre	120/70 ZR17M/C (58W) Tubeless
Rear tyre	190/55 ZR17M/C (75W) Tubeless
Caster Angle	24°
Trail	102mm

Dimensions

Overall length	2.055mm
Overall width	690mm
Overall height	1.165mm
Seat height	855mm
Wheel base	1.405mm
Minimum ground clearance	130mm
Wet weight (including full oil and fuel tank)	201kg
Fuel tank capacity	17,0 L
Oil tank capacity	4,9 L



R1 RACE

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.