YAMAHA
Revs Your Heart

R1

Welcome to R-WORLD

The R1's 200PS 998cc inline 4-cylinder 4-valve engine is our most powerful production bike. And with its YZR-M1 MotoGP derived crossplane technology, this supersport pushes out strong linear torque with outstanding traction.

The compact chassis features a magnesium rear frame and long swingarm for outstanding handling. And race developed suspension and magnesium wheels show that this bike is a serious contender.

But what really gives you the edge is the high tech electronic control technology – including its Quickshift System (QSS). By offering more precise control, the R1 gives you the opportunity to discover your true potential.

- 998cc 200PS crossplane 4-cylinder engine
- ABS with Unified Brake System
- QSS, advanced electronic control systems
- High-compression cylinder head
- YZR-M1 MotoGP inspired cowling
- High volume air intake
- Short wheelbase aluminium Deltabox frame
- Track-developed suspension systems
- Titanium Exhaust and midship muffler
- Lift Control and Launch Control
- Magnesium wheels, aluminium fuel tank

Yamaha R1. We R1.

Packed with YZR-M1 MotoGP technology, a crossplane engine, short wheelbase chassis and high-tech electronics, the R1 is ready to connect to your body and take your riding to a new level.

Developed using YZR-M1 MotoGP technology, this bike was born for the track. 200PS, 199kg and a 1,405mm wheelbase give an insight into its capabilities. But it's what you can't see that makes it so special.

The Inertial Measurement Unit constantly senses chassis motion in 3D, creating controllability over traction, slides, front wheel lift, braking and launches. And its Quickshift System (QSS) offers clutchless downshifting as well as upshifting. Yamaha R1. We R1.

Thin Film Transistor (TFT) LCD instrument panel

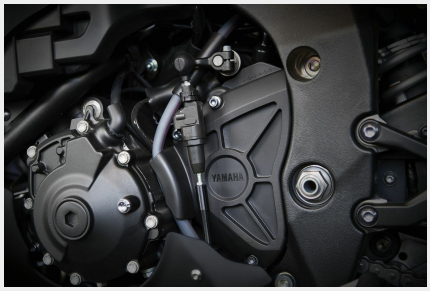
The R1's instrument panel is one of the most sophisticated units fitted to any motorcycle, and features a Thin Film Transistor (TFT) LCD panel. The multi function dispay shows a wide range of data is shown in full colour, making all the information easy to understand.

6-axis Inertial Measurement Unit (IMU)

The highly sophisticated 6-axis Inertial Measurement Unit (IMU) is equipped with Gyro/G sensors that monitor 3D motion data which is sent to the ECU – and this activates the lift control sytem (LIF) as well as the banking angle sensitive rear wheel Slide Control System (SCS) and Traction Control System (TCS) for greater control.

Magnesium wheels, aluminium fuel tank

The R1's 17-inch wheels are manufactured from magnesium in order to minimize unsprung weight for responsive suspension performance – and the beautifully crafted 17-litre fuel tank is made from aluminium.



Quick Shift System (QSS)

A high specification Quickshift System (QSS) offers clutchless upshifting and downshifting. By giving seamless full throttle upshifts and quicker downshifts, the QSS helps to maintain chassis stability for higher levels of controllability – and also reduces the physical and mental input required by the rider.

ABS with Unified Brake System

The R1's dual 320mm front discs and monoblock calipers - as well as the 220mm rear disc - are equipped with a sophisticated banking sensitive ABS (Anti-lock Braking System) as well as Yamaha's Unified Brake System that enable the rider to achieve high levels of controllability in different circuit or road situations.

Track-developed suspension

The 43mm fully adjustable KYB forks use a large diameter 25mm front axle for a planted feel - while the carefully balanced relationship between the pivot axis, drive sprocket axis and swingarm length give stable, precise and efficient handling performance during acceleration, braking and cornering.

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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	147.1kW (200.0PS) @ 13,500 rpm
Maximum Torque	112.4Nm (11.5kg-m) @ 11,500 rpm
Fuel consumption	7.2l/100km
CO2 emission	167g/km

Chassis	
Frame	Diamond
Front suspension system	Telescopic forks, Ø43 mm
Front travel	120 mm
Rear suspension system	Swingarm; link suspension
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)
Rear tyre	190/55 ZR17M/C (75W)
Caster Angle	24°
Trail	102mm

Dimensions	
Overall length	2,055 mm
Overall width	690 mm
Overall height	1,150 mm
Seat height	855 mm
Wheel base	1,405 mm
Minimum ground clearance	130 mm
Wet weight (including full oil and fuel tank)	200 kg
Fuel tank capacity	17litres
Oil tank capacity	3.9litres

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.