





# R1. The one.



The purest sensation in sport riding is yours to experience on the brilliant new YZF-R1. Completely updated in engine, chassis and styling, this sensational machine combines exceptional cornering performance with a look and feel unmatched by anything in its category.

Already the most sophisticated open-class engine on the market, the R1's liquid-cooled 5-valve power unit benefits from a host of performance-enhancing modifications, foremost of which is an advanced fuel injection system.

A lighter, re-calibrated Deltabox III chassis with idealised stiffness balance, new suspension settings and a relocated engine and swingarm deliver unsurpassed cornering performance.

Aesthetically, the bike's sharp new lines and refined image place the R1 in a completely different category from competing machines in its genre.

The new R1. A riding experience like no other.

## What's New



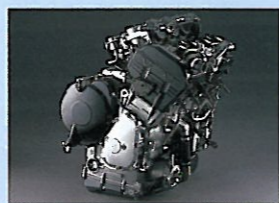
### Frame

The R1's new Deltabox III aluminium frame with long, GP-style swingarm relocates the engine 20 mm higher and the swingarm pivot 18.5 mm higher and has been completely redesigned for idealised stiffness balance. The result is exceptionally responsive handling performance on winding roads.



### Headlight

The R1's dual, multi-reflector headlights, the aggressive lines and the purified design highlights the single minded focus of the new R1.



### Engine

Awesome! The combination of fuel injection, a new, more sophisticated EXUP and improved shifting make this liquid-cooled, 998 cc, DOHC, 5-valve engine a perfect match for the new chassis' exceptional cornering performance. The result? Greater throttle response throughout the rev range, more drive out of corners and awesome top end.



### Fuel Injection

Yamaha's new fuel injection system offers all the benefits of fuel injection, such as easy starting, enhanced response and reduced emissions (meets EU2 standards). The secret? Suction pistons fitted to the throttle bodies supply the engine with the ideal air volume at all rpm for stable output across the rev range.



### Front Suspension/Brakes

The R1's new, fully-adjustable 43 mm upside-down forks have been thoroughly re-calibrated and stiffness balanced to match the new frame. Stiffer springs, a shorter stroke and smoother, more sensitive action contribute to improved rider feedback. Large-diameter 298 mm front discs are more heat-resistant and are gripped by powerful, new-generation R1 brakes with orange-coloured, monobloc, 4-piston calipers.



### Rear Suspension/Brake

New aluminium swingarm operates a fully-adjustable rear shock with piggyback reservoir to reduce heat-induced shock fade. Revised settings contribute to the bike's superbly balanced cornering performance. Compact rear disc with new-generation R1 monobloc caliper ensures balanced braking.



### Instrumentation

Lightweight cockpit instrumentation includes a high-visibility analog tacho, backed by LED speedo and multi-function LED displays to keep you fully aware of how this high-performance machine is performing. Innovative new rider-adjustable shift-point indicator lets you tailor the shift rpm to suit riding and road conditions.



### Seat Cowl/Tail light

The new seat cowl would look right at home on a fighter aircraft. High-visibility, integrated LED tail light highlights the advanced technology of this sophisticated piece of machinery.



## YZF-R1 TECHNICAL SPECIFICATIONS

### ENGINE

Type	Liquid-cooled, 4-stroke, forward inclined parallel 4-cylinder, DOHC, 20 valves
Displacement	998 cc
Bore and stroke	74 x 58 mm
Compression ratio	11.8 : 1
Max. power	111.8 kW (152 HP) @ 10,500 rpm
Max. torque	104.9 Nm (10.7 kg-m) @ 8,500 rpm
Lubrication	Wet sump
Fuel supply	Electronic fuel injection
Clutch type	Wet, multiple-disc
Ignition	TCI (digital)
Starter system	Electric
Transmission	Constant mesh, 6-speed
Final transmission	Chain

### CHASSIS

Front suspension	Telescopic fork
Front wheel travel	120 mm
Rear suspension	Swinging arm (Link-type suspension)
Rear wheel travel	130 mm
Front brake	Dual discs, Ø 298 mm
Rear brake	Single disc, Ø 220 mm
Front tyre	120/70 ZR17M/C (58W)
Rear tyre	190/50 ZR17M/C (73W)

### DIMENSIONS

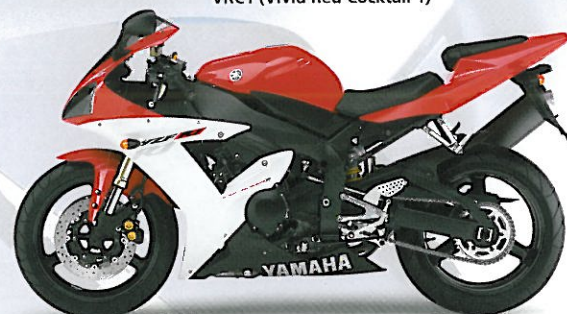
Overall length	2,035 mm
Overall width	705 mm
Overall height	1,105 mm
Seat height	820 mm
Wheelbase	1,395 mm
Min. ground clearance	140 mm
Dry weight	174 kg
Fuel tank capacity	17 litres
Oil tank capacity	3.8 litres

Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. The specification and appearance of Yamaha products can vary from time to time without notice, and as shown here are illustrative only and are not a contractual description of products. For further details please consult your Yamaha dealer.

S3 (Silver 3)



VRC1 (Vivid Red Cocktail 1)



DPBMC (Deep Purplish Blue Metallic C)



If you prefer a more race-inspired look you have the option of a deep purplish blue colour scheme that incorporates the famous Yamaha speedbar-type graphics.

DPBMC / R (Deep Purplish Blue Metallic C / R)



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