

**R6**

## ***Catch the extreme.***

One ride on the R6 lets you know that this bike was born on the racetrack. Its MotoGP-bred technology is tuned to give you the kind of outstanding engine and chassis performance usually reserved for professional riders.

Its ultra-high-revving short-stroke engine unleashes dazzling power, made even more responsive by the state-of-the-art YCC-I (Yamaha Chip Controlled-Intake) and YCC-T (Yamaha Chip Controlled-Throttle).

Everything about the R6 is geared towards ultimate cornering, and getting rider and machine working as one. The chassis gives you razor sharp, ultra-responsive handling, and adjustable front forks for optimal track performance.

- Liquid-cooled, 4-valve, 4-stroke 4-cylinder DOHC engine
- Chip Controlled Throttle (YCC-T) derived from MotoGP technology
- Race-developed slipper clutch
- Aerodynamic, aggressive bodywork
- Upside-down front forks for racing suspension
- Aluminium die-cast Deltabox



## ***Motorcycles made for winning***

Yamaha motorcycles are tested in world championship competition by the world's greatest riders.

The R6's ability to carve through the competition on the racetrack has taken British Rider Cal Crutchlow to the front of the World Supersport Championship, leaving all other supersport machines in its wake. Its outstanding balance and everyday ease of use has also made it a winner away from the track, with riders enjoying its scalpel like precision on the roads.

If you want to turn your R6 into a full-on racetrack machine, Yamaha Motor Engineering's YEC range are the only officially approved racing kit parts for R-Series bikes.





### Radical, compact body work

The first time you see an R6, you notice its slick minimalism. Its components are concentrated around the bike's centre of gravity, and this radical look underlines the agile performance of this class-leading middleweight. Combine this with the mass-forward set-up, and you get a motorcycle that appears to be lunging forward out of every corner.



### Racing-style slipper clutch

The R6 features a slipper clutch. This ensures a smoother downshift - especially for the entry into corners - by absorbing the back torque forces from the rear wheel during downshifting.



### EXUP exhaust

Ride an R6, and you ride a machine of class-leading technology. Its EXUP exhaust improves engine efficiency by adjusting exhaust gas flows with a valve that opens and closes according to engine speed.



### Aluminium die-cast Deltabox

The R6's lightweight aluminium Deltabox frame and aluminium swingarm provide MotoGP-inspired rigidity balance, for razor-sharp handling and amazing feedback.



### Fully-adjustable upside down front forks

The fully adjustable, upside down forks mean low-speed and high-speed compression damping and rebound damping adjustments for precise feedback from the road or the racing circuit and adjustable ride-height allows for individually tailored chassis behaviour.



### Cutting-edge electronics

The R6's cutting-edge electronics include the YCC-I (Yamaha Chip Controlled-Intake), which electronically adjusts the intake funnels for perfect performance and torque across the rpm range. The YCC-T (Yamaha Chip Controlled-Throttle) controls the throttle-valve for instantly responsive and superbly smooth power.

ENGINE	
Type	Liquid cooled, 4-stroke, forward-inclined parallel, 4-cylinder, 16-valves, DOHC
Displacement	599cc
Bore and stroke	67.0 x 42.5 mm
Compression ratio	13.1 : 1
Max. Power	91.0 Kw @ 14,500 rpm
Max. Torque	65.7 @ 10,500 rpm
Lubrication	Wet sump
Carburettor	Fuel Injection
Clutch type	Wet multiple-disc coil spring
Ignition	TCI
Starter system	Electric
Transmission	Constant mesh, 6-speed
Final transmission	Chain
CHASSIS	
Frame	Aluminium die-cast Deltabox
Front suspension	Telescopic forks, Ø 41 mm
Front wheel travel	115 mm
Rear suspension	Swingarm (link suspension)
Rear wheel travel	120 mm

Front brake	Dual discs, Ø 310 mm
Rear brake	Single disc, Ø 220 mm
Front tyre	120/70 ZR17M/C (58W)
Rear tyre	180/55 ZR17M/C (73W)
DIMENSIONS	
Overall length	2,040 mm
Overall width	705 mm
Overall height	1,100 mm
Seat height	850 mm
Wheelbase	1,380 mm
Min. ground clearance	130 mm
Wet weight (including full oil and fuel tank)	189 kg
Fuel tank capacity	17.0 litres
Oil tank capacity	3.4 litres



## The winning combination

Yamaha's R-Series isn't only about high-performance supersport motorcycles, it's about a high-performance lifestyle. That's why we don't just stop at the bikes, and have created a superb range of accessories, riding gear and branded clothing that fit the R-Series spirit. Our genuine Yamaha accessories allow owners to personalise and tailor their YZF-R1 and YZF-R6 to their individual riding lives. Choose from a full range of bolt-ons: alternative screens, single-seat covers, roller protectors, and front and rear stands. There's trick clothing too: one/two-piece leathers, gloves, paddock jacket, T-shirts and much, much more.

[www.yamaha-motor-acc.com](http://www.yamaha-motor-acc.com)



Always wear a helmet, eye protection and protective clothing. Yamaha encourage you to ride safely and respect fellow riders and the environment. Images shown in this brochure 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. Please check availability of colours with your local Yamaha dealer.