



# R6 RACE

## R/World Only.

You only need to look at this 600 Supersport's outstanding track record in WorldSSP and many other race series all over the world, to see that it's the fastest way to get on the podium. And to make it even easier for you and your team to prepare for the racing season, the R6 RACE is now supplied in race ready trim.

Non-essential road components such as headlight, position lights, mirrors and passenger seat have been removed so that you can get straight to work on creating your ultimate competition machine. Available in Tech Black, the stripped-down R6 RACE is the perfect bike for everyone from track day riders through to hungry racers who want to make their name with their first major victory.

### factsheet-content

- Race-ready specification
- Lightweight high-performance 599cc engine
- Aerodynamic race-developed bodywork
- Sophisticated electronic control systems
- High-specification R1-type front forks
- Race-bred ergonomics
- Compact Deltabox frame and lightweight magnesium subframe
- Class-leading R1-type front brakes
- Lightweight aluminium fuel tank

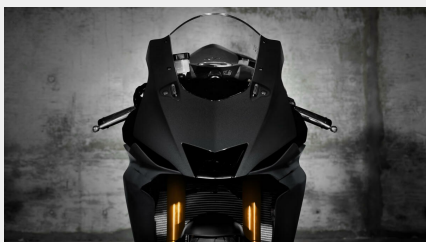
Whether you're looking for a class-leading Supersport for circuit riding or you are preparing to compete at national or international level, the R6 RACE has shown beyond doubt that it's the most competitive bike in its class. The lightweight 599cc inline four-cylinder engine has proved that it's the fastest in the business – and with its compact Deltabox chassis and slim magnesium subframe – as well as a slipper clutch and Quick Shift System (QSS) – the track-ready R6 RACE gives you the highest level of controllability on every circuit.

## R/World Only.

This is the ultimate 600cc Supersport bike that has been dominating WorldSSP racing for years. Like every R-Series it has been developed without compromise in order to achieve the highest levels of performance. And to make it even easier for you and your team to prepare for the racing season, the track-only R6 RACE is now supplied in race ready trim.

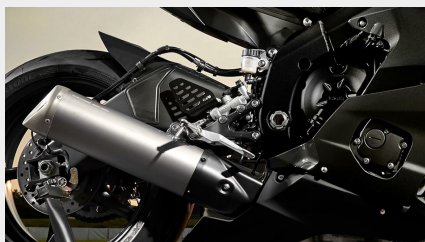
The R6 RACE is equipped with an aggressively styled body featuring the iconic M-shaped front air intake. Inspired by the factory's M1 MotoGP® bike, this bodywork gives you maximum aerodynamic efficiency for reduced lap times – while the compact Deltabox chassis, sculpted aluminium fuel tank and slim magnesium subframe enable you to tuck in close to the bike on the straight.

Available in Tech Black, the stripped down R6 RACE is the perfect bike for everyone from track day riders through to hungry racers who want to make their name with their first major victory. With so many WorldSSP titles to its credit, the lightweight 599cc inline four-cylinder engine has proved that it's the fastest in the business – and with its Yamaha Chip Controlled Intake (YCC-I) and Yamaha Chip Controlled Throttle (YCC-T) – as well as a slipper clutch, close ratio 6-speed transmission and Quick Shift System (QSS) – the track-ready R6 RACE gives you the highest level of controllability on every circuit.



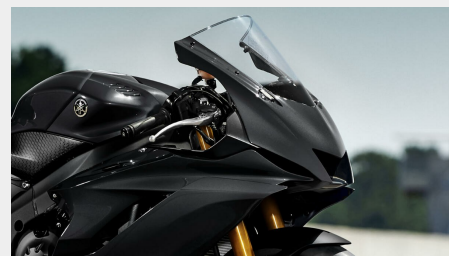
## Race-ready specification

The R6 RACE is now supplied from the factory in a race-ready specification with non-essential road components removed. This makes circuit preparation quicker and easier, and confirms the R6 RACE as the ultimate track bike with an outstanding race record that is second to none.



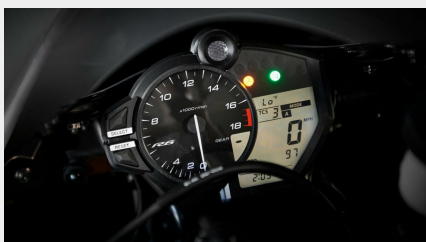
## Lightweight high-performance 599cc engine

The high-performance R6 engine has achieved legendary status by winning 5 consecutive WorldSSP Championships. Like every R-Series it's been constructed with advanced race-developed technology from Yamaha's World Championship machinery. The combination of lightweight forged pistons with a 13,1:1 compression ratio and titanium valves give you a thrilling ride along with winning performance.



## Aerodynamic race-developed bodywork

Every R-Series has been designed to offer the ultimate performance, and the aerodynamic fairing on the R6 RACE reduces the bike's drag coefficient to give you a real advantage at high speeds. And to remind the opposition of its pure racing heritage, the lightweight and slim bodywork features an aggressive M1 MotoGP® style front intake and race-style screen.



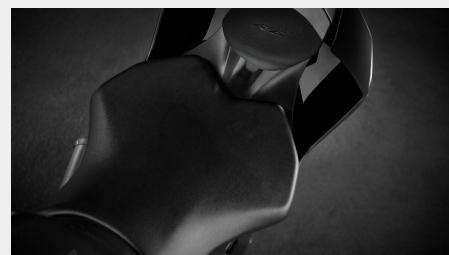
## Sophisticated electronic control systems

The R6 RACE is equipped with various high-tech electronic systems that help you to achieve your best performance. The Quick Shift System (QSS) enables full throttle clutchless upshifting, and the Yamaha Chip Controlled Intake (YCC-I) and Yamaha Chip Controlled Throttle (YCC-T) – as well as a slipper clutch and close ratio 6-speed transmission – give you the highest level of controllability on every circuit.



## High-specification R1-type front forks

Coming with an extremely high specification as standard, the R6 RACE is equipped with golden coloured state-of-the-art R1-type fully adjustable 43mm front forks. This high-tech front end gives outstanding roadholding with excellent feedback and contributes significantly towards making this one of the best-handling bikes in the class.



## Race-bred ergonomics

Watch any top racer in action and you can see that the ability to alter body position quickly when entering and exiting corners is crucial. With its compact Deltabox frame, sculpted aluminium tank, slim seat and narrow magnesium subframe, the R6 RACE allows you to shift weight quickly and easily, helping you to achieve increased control for reduced lap times.

## Engine

Engine type	4-stroke; Liquid-cooled; Forward-inclined parallel 4-cylinder; DOHC; 4-valves
Displacement	599cc
Bore x stroke	67,0 x 42,5 mm
Compression ratio	13,1 : 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
Maximum power	87,1 kW (118,4 PS) @ 14.500 rpm
Maximum Torque	61,7 Nm (6,3 kg-m) @ 10.500 rpm
Fuel consumption	6,6 L / 100 km
CO2 emission	154 g/km

## Chassis

Frame	Diamond
Front suspension system	Telescopic forks, Ø43 mm
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	180/55 ZR17M/C(73W) Tubeless
Caster Angle	24°
Trail	97 mm

## Dimensions

Overall length	1.990 mm
Overall width	695 mm
Overall height	1.150 mm
Seat height	850 mm
Wheel base	1.375 mm
Minimum ground clearance	130 mm
Wet weight (including full oil and fuel tank)	185 kg
Fuel tank capacity	17 L
Oil tank capacity	3,40 L

The R6 RACE will only be available in race specification, for usage on closed circuits, private areas and specific events where participation with non-registered vehicles is allowed. Always wear a helmet, eye protection and protective clothing. Yamaha encourages you to ride safely and respect fellow riders, local laws and the environment. Images displayed may depict a professional rider performing under controlled conditions or on closed circuit. The unit displayed on the images may be equipped with genuine Yamaha accessories and/or non-Yamaha branded accessories which may be for closed-circuit use only. All information is given for general guidance and is not binding for Yamaha. Specifications and appearance of Yamaha products, Yamaha accessories and non-Yamaha branded accessories are subject to change without prior notice. Non-Yamaha branded accessories are fully developed and produced by respected third parties. Yamaha does not guarantee the availability of the displayed products and accessories in local markets. The product and accessories range may be limited in some countries. Yamaha has the right to discontinue products and accessories without prior notice. Where applicable, Yamaha products and accessories availability, specifications and prices may vary according to local laws, requirements and conditions. No rights can be obtained from this information. All product and technical data are provided on an 'as is' basis without any express or implied warranties. For further details and availability, please contact your local Yamaha dealer.