

# CBR600RR

**2008** Press Information



## Introduction

Your eyes don't deceive you. The CBR600RR's winning looks and winning attitude add up to dominating performance on the circuit and non-stop thrills on the street. Since its debut, the exciting second-generation CBR600RR has been turning heads and winning acclaim wherever it sets tyres to tarmac. Breathtaking power roars forth from the lightest and most compact 600cc engine in its class. Chassis, suspension and brake components are top of its class, and stamped with the genetic imprint of its regal MotoGP racing lineage. Styling is shark-like sleek and aggressive, with compact proportions and light handling that encourage you to push your limits. From first sight to last sprint to the chequered flag, the CBR600RR instantly quickens the pulse to let every rider feel that, in no uncertain terms, they too can be The Fastest on the Track... and the Fastest Everywhere.

- Dual Sequential fuel-injected DOHC inline four cylinder engine delivers a thrilling rush of sharply responsive acceleration that wins races.
- HECS3 oxygen-sensing catalytic exhaust gas converter system minimises emissions of harmful exhaust gases to ensure full compliance with strict EURO-3 emissions regulations.
- Lightweight and slim Fine-Die-Cast aluminium frame positions both engine and rider for optimal mass centralisation and sharper, more responsive handling.
- Fully adjustable inverted front fork and Unit-Pro-Link rear damper combine to help you late-brake into the corners and smooth your line around them.
- Advanced Honda Electronic Steering Damper provides smoothly confident control in the fastest and tightest of corners.
- Radial-mount four-piston calliper front disc brakes with large-diameter 310mm rotors.
- New Pearl Sunbeam White colour variation.

### Colours

- Pearl Sunbeam White (with Graphite Black & Italian Red)



# Specifications

| General            |  |
|--------------------|--|
| Model              | CBR600RR   |
| Mold Type          | ED-type  |
| Engine             |  |
| Type               | Liquid-cooled 4-stroke 16-valve DOHC inline-4                      |
| Displacement       | 599cm <sup>3</sup>   |
| Bore x Stroke      | 67 x 42.5mm  |
| Compression Ratio  | 12.2 : 1   |
| Max. Power Output  | 88.1kW / 13,500min <sup>-1</sup> (95/1/EC)                         |
| Max. Torque        | 66Nm / 11,250min <sup>-1</sup> (95/1/EC)                           |
| Idling Speed       | 1,400min <sup>-1</sup>   |
| Oil Capacity       | 3.5 litres   |
| Fuel System        |  |
| Carburation        | PGM-DSFI electronic fuel injection                                 |
| Throttle Bore      | 40mm   |
| Aircleaner         | Dry, cartridge-type paper filter                                   |
| Fuel Tank Capacity | 18 litres (including 3.5-litre LCD-indicator reserve)              |
| Electrical System  |  |
| Ignition System    | Computer-controlled digital transistorised with electronic advance |
| Ignition Timing    | Independent 4-cylinder 3D-mapped computer control                  |
| Sparkplug Type     | IMR9C-9H (NGK); VUH27D (DENSO)                                     |
| Starter            | Electric   |
| Battery Capacity   | 12V / 8.6AH  |
| ACG Output         | 343W   |
| Headlights         | 12V, 55W x 1 (low) / 55W x 1 (high)                                |
| Drivetrain         |  |
| Clutch             | Wet, multiplate with coil springs                                  |
| Clutch Operation   | Mechanical; cable-actuated   |
| Transmission       | 6-speed  |
| Primary Reduction  | 2.111 (76/36)  |
| Gear Ratios        | 2.750 (33/12)  |
|                    | 2 2.000 (32/16)  |
|                    | 3 1.666 (30/18)  |
|                    | 4 1.444 (26/18)  |
|                    | 5 1.304 (30/23)  |
|                    | 6 1.208 (29/24)  |
| Final Reduction    | 2.562 (41/16)  |
| Final Drive        | #525 O-ring sealed chain   |
| Frame              |  |
| Type               | Diamond; Fine Die-Cast aluminium                                   |

| Chassis                |   |
|------------------------|---|
| Dimensions             | 2,010 x 685 x 1,105mm   |
| Wheelbase              | 1,375mm   |
| Caster Angle           | 23° 55'   |
| Trail                  | 98mm  |
| Turning Radius         | 3.2m  |
| Seat Height            | 820mm   |
| Ground Clearance       | 135mm   |
| Kerb Weight            | 184kg (F: 95kg; R: 89kg)  |
| Max. Carrying Capacity | 180kg   |
| Loaded Weight          | 364kg (F: 130kg; R: 234kg)  |
| Suspension             |   |
| Type                   | Front 41mm fully adjustable inverted HMAS cartridge-type telescopic fork, 120mm axle travel   |
|                        | Rear Unit Pro-Link with gas-charged remote reservoir damper, adjustable spring preload and compression and rebound damping, 130mm axle travel |
| Wheels                 |   |
| Type                   | Front Hollow-section triple-spoke cast aluminium  |
|                        | Rear Hollow-section triple-spoke cast aluminium   |
| Rim Size               | Front 17M/C x MT3.50  |
|                        | Rear 17M/C x MT5.50   |
| Tyre Size              | Front 120/70 ZR17M/C (58W)  |
|                        | Rear 180/55 ZR17M/C (73W)   |
| Tyre Pressure          | Front 250kPa  |
|                        | Rear 290kPa   |
| Brakes                 |   |
| Type                   | Front 310 x 4.5mm dual hydraulic disc with radial-mount 4-piston callipers, floating rotors and sintered metal pads                           |
|                        | Rear 220 x 5mm hydraulic disc with single-piston calliper and sintered metal pads   |