

CBR600RR

2010 Press Information



Introduction

As Honda celebrates 50 years of racing, the CBR600RR holds an enviable position at the head of its class. A tally of seven consecutive World Supersport victories was made all the more impressive in 2008 by Honda domination of the top three places in the WSS championship.

A masterpiece of race-bred engineering, the CBR600RR has continually raised the bar in both track and road performance. Its ultra-light weight, mass centralisation and compact chassis ensure that its blistering power is balanced by easy, natural handling and faultless road manners. Its potent engine delivers immediate, exhilarating torque, while its fairing is aggressively aerodynamic, enhances stability and allows maximum enjoyment of the machine's performance.

Radially-mounted four-piston caliper front disc brakes give it sensational stopping power, while the ABS version features the revolutionary Honda electronically-controlled "Combined ABS", which delivers all the benefits of ABS in a system designed specifically for Super Sports riders. Due to its short wheelbase, a sportsbike can be prone to pitching under hard braking, which reduces rear traction. Our electronically-controlled "Combined ABS" minimises this tendency, ensuring superb stability and control under severe deceleration.

This agile Super Sports machine allows you to enjoy its race-won experience on the twists and turns of your favourite weekend roads. In either the standard or "Combined ABS" version, the CBR600RR is a born leader.

Colours

- Graphite Black (Mono-Black)
- Graphite Black/Victory Red
- Pearl Sunbeam White/Tricolour
- Special Edition (Pearl Sunbeam White with bold graphics)

Main features

- Compact, lightweight and mass-centralised 600cc liquid-cooled inline-4 engine is tuned for strong mid-range performance and maximum drive out of corners.
- Undercowl, bodywork sculpting and specially designed air vents provide highly effective airflow at medium and high speeds, and enhanced machine stability.
- Every component of engine, chassis, exhaust and bodywork is relentlessly pared down in pursuit of optimum mass centralisation and minimum weight.
- C-ABS version features advanced Honda electronically-controlled "Combined ABS". This overcomes the tendency of the bike to pitch, caused by the short wheelbase of a sportsbike under heavy braking. This avoids wheel lock and provides superb stability and control along with excellent deceleration.
- Revolutionary Honda Electronic Steering Damper (HESD) contributes to the safe ride feel by automatically adjusting to speed, aiding stability at high speeds and enabling light, easy low-speed handling.
- Fully adjustable inverted front fork and Unit-Pro-Link rear damper combine to allow late braking into corners and smooth progress around them.
- Exciting colour range includes a new Special Edition with bold graphics incorporating a female face in a high-contrast pattern.
- New, sporty Tricolour version celebrates the CBR race-winning heritage.
- New Graphite Black (Mono-Black) and Graphite Black/Victory Red colour variations.
- For 10YM we are updating the tone of red to a sportier "Victory Red".
- Compact, attractive and highly practical instrument panel features an ABS indicator (C-ABS version only).



- Honda Ignition Security System (HISS) protects against ride-away theft by preventing the engine being started with anything other than the motorcycle's two original keys.
- Extensive range of optional equipment from Honda Access Europe includes a black-tinted windscreen, a colour-matched seat cowl, colour-coordinated racing stickers, carbon-fibre parts and more.
- ECU for "Combined ABS" for circuit usage also available as an option from Honda Access Europe.



Specifications

General		
Model		CBR600RR
Mold Type		ED-type
Engine		
Type		Liquid-cooled 4-stroke 16-valve DOHC inline-4
Displacement		599cm ³
Bore x Stroke		67 x 42.5mm
Compression Ratio		12.2 : 1
Max. Power Output		88.1kW / 13,500min ⁻¹
Max. Torque		66Nm / 11,250min ⁻¹
Idling Speed		1,400min ⁻¹
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-indicated reserve)
Fuel Consumption		19.1 (WMTC mode)
Electrical System		
Ignition System		Computer-controlled digital transistorised with electronic advance
Ignition Timing		Independent 4-cylinder 3D-mapped computer control
Sparkplug Type		IMR9E-9HES (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	1	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	(LxWxH)	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
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 (58W)
Tyre Pressure	Front	250kPa
	Rear	290kPa
Brakes		
Type	Front	310 x 4.5mm dual hydraulic disc with radial-mount 4-piston calipers, floating rotors and sintered metal pads
	Rear	220 x 5mm hydraulic disc with single-piston caliper and sintered metal pads