

CBF600S

2009 Press Information



Introduction

A trusted partner on all roads and in all weathers, the semi-naked CBF600S is renowned for its ability to deliver comfort, performance and ease of handling in all kinds of situations. Its bursts of sporty acceleration are down to a compact fuel-injected engine based on the one powering the race-winning CBR600RR. Its wide powerband and generous fuel range guarantee pure, relaxing enjoyment, plus plenty of thrills to keep you entertained. The engine is housed in a lightweight and rigid die-cast aluminium frame that contributes to sharp and responsive handling. The adjustable seat and suspension are unique to the CBF600 and CBF600S, and the seat's, smooth and narrow shape provides superior comfort, especially for shorter riders. A beautifully integrated, frame-mounted cowl adds its own elegant and aerodynamic aspect to the bike's styling. It also provides additional comfort and wind protection at higher speeds. Eager to tackle any task, and easily tailored to match your individual style, the CBF600S transforms every ride into instant, instinctive fun.

- Simple and elegant semi-naked styling with cleanly integrated frame-mounted half-fairing and adjustable windscreen provides a timeless attraction and a comfortable ride.
- Lightweight and compact fuel-injected 599cm³ DOHC inline-four engine tuned for the most comfortable balance of performance and acceleration.
- HECS3 oxygen-sensing catalytic converter system minimises harmful exhaust emissions to ensure EURO-3 compliance.
- Three-position height-adjustable seat offers custom-fit comfort and long hours of riding enjoyment, whatever your size.
- Advanced die-cast aluminium frame reduces weight while maintaining excellent rigidity for reassuring sportbike handling.
- Compliant 41mm telescopic front fork and Monoshock rear damper deliver smooth, confident handling.

- Responsive stopping power provided by dual-piston caliper dual disc front brakes with 296mm floating rotors and a single-piston caliper rear disc brake.
- Combined-ABS version provides both the smooth operating ease of Combined brakes and the confident control of Honda's most advanced Antilock Brake System.
- New Pearl Fiji Blue colour variation.

Colours

- Pearl Fiji Blue
- Quasar Silver Metallic
- Pearl Nightstar Black
- Pearl Siena Red



Specifications

| General | | |
|--------------------|---|--|
| Model | | CBF600S |
| Mold Type | | ED-type |
| Engine | | |
| Type | | Liquid-cooled 4-stroke 16-valve DOHC inline-4 |
| Displacement | | 599.3cm ³ |
| Bore x Stroke | | 67 x 42.5mm |
| Compression Ratio | | 11.6 : 1 |
| Max. Power Output | | 57kW / 10,500min ⁻¹ (95/1/EC) |
| Max. Torque | | 59Nm / 8,250min ⁻¹ (95/1/EC) |
| Idling Speed | | 1,300min ⁻¹ |
| Oil Capacity | | 3.5 litres |
| Fuel System | | |
| Carburation | | PGM-FI electronic fuel injection |
| Throttle Bore | | 32mm |
| Aircleaner | | Dry, cartridge-type paper filter |
| Fuel Tank Capacity | | 20 litres (including 4-litre warning light reserve) |
| Electrical System | | |
| Ignition System | | Computer-controlled digital transistorised with electronic advance |
| Ignition Timing | | 4° BTDC (idle) ~ 60° BTDC (12,000min ⁻¹) |
| Sparkplug Type | | CR8EH-9 (NGK); U24FER-9 (DENSO) |
| Starter | | Electric |
| Battery Capacity | | 12V / 8.6AH |
| ACG Output | | 333W |
| 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 | 1.938 (31/16) |
| | 3 | 1.556 (28/18) |
| | 4 | 1.304 (30/23) |
| | 5 | 1.150 (23/20) |
| | 6 | 1.042 (25/24) |
| Final Reduction | | 2.625 (42/15) |
| Final Drive | | O-ring sealed chain |
| Frame | | |
| Type | | Mono-backbone; gravity die-cast aluminium |

| Chassis | | |
|------------------------|-------|--|
| Dimensions | | 2,160 x 765 x 1,240mm |
| Wheelbase | | 1,490mm |
| Caster Angle | | 26° |
| Trail | | 110mm |
| Turning Radius | | 2.8m |
| Seat Height | | 785mm (±15mm) |
| Ground Clearance | | 130mm |
| Kerb Weight | | 217kg (F: 107kg; R: 110kg), *222kg (F: 109kg; R: 113kg) |
| Max. Carrying Capacity | | 195kg |
| Loaded Weight | | 417kg (F: 144kg; R: 273kg) |
| Suspension | | |
| Type | Front | 41mm telescopic fork, 120mm axle travel |
| | Rear | Monoshock damper with 7-step adjustable preload, 125mm axle travel |
| Wheels | | |
| Type | Front | U-section twin 6-spoke cast aluminium |
| | Rear | U-section twin 6-spoke cast aluminium |
| Rim Size | Front | 17M/C x MT3.50 |
| | Rear | 17M/C x MT5.00 |
| Tyre Size | Front | 120/70 ZR17M/C (58W) |
| | Rear | 160/60 ZR17M/C (69W) |
| Tyre Pressure | Front | 250kPa |
| | Rear | 290kPa |
| Brakes | | |
| Type | Front | 296 x 4.5mm dual hydraulic disc with dual-piston (*Combined three-piston) calipers, (*ABS) and sintered metal pads |
| | Rear | 240 x 5mm hydraulic disc with (*Combined) single-piston caliper, (*ABS) and sintered metal pads |

* Combined-ABS version