

CBF600S - CBF600S C-ABS

2010 Press Information



Introduction

The semi-Naked CBF600S is renowned for its ability to deliver comfort, performance and ease of handling in all kinds of situations. Crowned by a beautifully integrated, frame-mounted cowl that offers wind protection at higher speeds, it has its own distinctive and aerodynamic elegance.

With a compact fuel-injected engine based on the one powering the race-winning CBR600RR, it is capable of powerful acceleration. Its powerband is wide and easily accessible, offering a smooth ride with plenty of thrills when required.

The engine is housed in a lightweight, rigid die-cast aluminium frame that contributes to sharp and responsive handling. The seat is adjustable with a smooth, narrow shape that provides superior comfort and an easy reach to the ground for any rider. The suspension systems are also adjustable offering a comfortably tailored all-round riding package. Braking is smooth and powerful, and the Combined ABS version offers the extra reassurance of Honda's Combined Antilock Braking System.

The 20L fuel tank provides touring range and the motorcycle's strong seat rail accommodates the easy mounting of optional luggage. Its practical instrument panel features HISS and FI indicators, a fuel gauge and an ABS indicator on the C-ABS version.

Fun to ride, eager to tackle any task and offering a comfortable ride, the CBF600S is a reliable partner on any road, in any weather.

Colours

- Pearl Cool White/Pearl Nightstar Black
- Pearl Siena Red/ Pearl Nightstar Black
- Dragon Green Metallic/ Pearl Nightstar Black
- Pearl Nightstar Black

Main features

- Lightweight and compact fuel-injected 599cc DOHC inline-four engine is tuned for the most comfortable balance of performance and acceleration.
- Sleek, half-faired design features air-directing ports that deflect air around the rider for better comfort while also enabling lighter, easier handling.
- Three-position height-adjustable seat offers more comfort for riders of different sizes.
- Advanced die-cast aluminium frame keeps weight to a minimum while maintaining optimal rigidity for confident and sporty handling.
- Compliant 41mm telescopic front fork and Monoshock rear damper deliver smooth, confident handling.
- Dual-piston caliper dual front disc brakes with 296mm floating rotors and a single-piston caliper rear disc brake provide strong, responsive stopping power.
- Combined-ABS version provides both the smooth operating ease of Combined brakes and the control of an advanced Antilock Brake System.
- HECS3 oxygen-sensing catalytic converter system minimises harmful exhaust emissions, ensuring full EURO-3 compliance.
- Stunning new Pearl Cool White/Pearl Nightstar Black and Dragon Green Metallic/ Pearl Nightstar Black colour variations.



Specifications

General		
Model		CBF600S - CBF600S C-ABS
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
Max. Torque		59Nm / 8,250min ⁻¹
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
Fuel Consumption		18.2 (WMTC mode)
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	1	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	(LxWxH)	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		412kg , *417kg
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 (with passenger: 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