

# 2006 CBF 250



Crisp, modern European styling features new, sportier design shrouds surrounding the CBF250's gorgeously contoured 16-litre fuel tank. A wide, comfortable tandem seat and slim form contribute to superb looks and easy comfort and control.



Sporty-looking stainless steel canister exhaust system features larger new internal catalytic heat tube that more effectively reduces harmful emissions to below strict EURO-3 regulated levels while providing an exciting exhaust note.

Lightweight and rigid box-section aluminium swingarm supported by an effective Monoshock damper system for progressive operation that provides superb riding comfort and confident control when the riding gets brisk and the roads twisty.



Compact air-cooled DOHC 4-valve single-cylinder engine provides quick-revving midrange power output for sharp acceleration and responsive performance. A built-in balancer keeps the ride smooth and comfortable, while a high-capacity oil cooler maintains steady performance over even long, hot days of heavy use.



Attractive, aerodynamic instrument assembly mounts large-face, fully electronic speedometer and tachometer dials in a sleek and speedy-looking package. Instruments also include a large liquid-crystal odometer/trip meter/clock display and a convenient fuel gauge for an easy view of operating parameters.



Bright multi-reflector headlight and beautifully integrated taillight combine with compact, sporty-looking indicators to keep riding and visibility easy on the eyes well after the sun goes down.

Responsive, light-handling 37mm front fork provides precise control and 130mm of smoothly compliant operation for excellent road tracking capability and a sporty ride.

Boldly designed 17" five-spoke cast aluminium wheels mount wide, low-profile tubeless tyres for light handling and responsive control on both city streets and winding mountain roads.

Large-diameter 276mm drilled front disc brake rotor stopped by compact dual-piston calliper combines with 130mm leading/trailing rear drum brake to assure quick and confident braking control.



**2006**

**CBF250**

**PRESS INFORMATION**

# **Introduction**

The light and sleekly styled CBF250 perks up your days on the street with a much-needed touch of class and an easy thrill of performance. Made to carry you straight to the fun-filled heart of the motorcycle riding experience, the CBF250's simple and sophisticated 'Back to Basics' styling offers a comfortable and friendly sight for the eyes, as well as a sharp focus on the fundamentals of riding enjoyment.

The CBF's power comes from a quick-revving DOHC 4-valve engine that starts quickly with the push of a button and pumps out an impressive surge of acceleration to maximise your riding enjoyment. Its light and sturdy frame, responsive front fork and aluminium Monoshock swingarm deliver quick, smoothly assured handling that provides instant appeal to both new riders and old hands. And its superb fuel economy, low running costs and renowned Honda reliability keep riding enjoyment and spirits high for years on end.

# Development Concept

Honda's slim and sporty CBF250 debuted in 2004 to broad acclaim, providing light handling and exciting performance in a sleek, intermediate-sized naked street bike built for easy riding enjoyment. Its attractive styling combines with an impressive range of performance to appeal to a wide cross-section of riders, both relative newcomers to the sport and more experienced riders looking for an inexpensive and reliable runabout. Compact and confidence-inspiring, the CBF250 is a highly economical mount offering features one more often associates with much larger displacement machines, with plentiful power and sharply responsive handling to keep the fun meter running high.

The intermediate 250cc motorcycle class commands a small but important segment of the European motorcycle market, providing an easy and economical step up from the license- and power-restricted entry-level 125cc class on the way to the more challenging models of the 600cc midrange class and beyond. However, until the CBF250's introduction, this class tended to lack on-road models offering much excitement or strong appeal which might attract new users to its comfortable and broadly satisfying range of riding enjoyment. The CBF250 thus injected a lively new feeling of excitement into the 250cc class with its sharp and modern style, impressive get-up-and-go and swiftly responsive handling, a combination which really helps riders intimately experience the fundamental joys of motorcycle riding through its strong acceleration and effortless cornering control.

## New Developments

For 2006, the CBF250's development team was reluctant to tamper with all the enduring features this compact fun bike has on offer. Instead, the CBF received only a small but significant styling modification in the redesign of the shrouds extending from the front of its fuel tank.

Attention was also paid to the CBF250's environmental compatibility, and minor improvements were tested and then incorporated in order to ensure that its exhaust emissions stay in line with the latest regulations.

## **Styling**

When first introduced in 2004, the CBF250 set a striking new standard in the 250cc class with exciting streetbike performance and aggressive styling. Its slim, sleek and sporty design continues to provide a strong attraction for a broad range of riders, both new to the sport and experienced enough to know that big fun very often comes in small packages.

The CBF's compact, naked configuration features clean, curvaceous lines tapering from its large fuel tank's wide, smoothly integrated front shrouds back to the sharp edge of its tail, providing a look of swift, quick-handling performance. Its smoothly contoured stepped seat provides both rider and pillion passenger with a broad, firm and comfortable mount, while handlebars and footpegs are positioned for optimum riding comfort and effortless control.

Other well-considered features include the CBF's stylish integrated instrument housing, with its aerodynamic design and full assortment of dials and indicator lights, and a brilliant, clear-face multi-reflector headlight for a brighter, more confidence-inspiring view of the night-time road ahead.

### **Newly Designed Shrouds**

To lend greater emphasis to the CFB250's sporty image, its fuel tank-integrated shrouds were redesigned with more aggressively angular lines, distinctive curves and more prominent air vents that convey an accentuated look of lively excitement. As before, these shrouds not only enhance the CBF's sporty integrated look, they also direct a large volume of air to both the engine's air-cooled head area and its frame-mounted oil cooler for enhanced cooling efficiency at higher speeds. The CBF's fuel tank and other bodywork remain essentially unchanged, and continue to enhance its easy upright riding position with superbly contoured comfort.

# Colouring Concept

The new CBF250 will be released in four attractive colour variations that best accentuate its sleekly modern design. Carried over from the previous year are a rich metallic silver and a solid black, which complement the metallic finish of the CBF's engine, exhaust and sidecovers to accentuate its look of urban style. To these colours have been added a lush, new candy blue, which emphasises this compact all-rounder's inherent sportiness and spunky performance, and a new all-white version that commands attention with its bold simplicity. Large, sharply angled sidecovers give off a silvery sheen like bare metal that further corroborate the CBF's impressive sport riding credentials.

For 2006, the CBF's engine receives a darker shade of metallic grey, while its wheels are also painted a darker metallic black, both combining to exude a stronger sense of overall quality while providing a more eye-catching contrast to the CBF's shine of chrome and gleam of paint.

## Colours

- Black
- Force Silver Metallic
- Candy Itauna Blue
- Ross White

## **Engine**

Built for easily accessible and inexpensive fun, the CBF's air-cooled DOHC 4-valve single-cylinder engine pumps out an exciting rush of power and acceleration for a wide variety of riding fun, from quick cross-town trips to daily city commutes, to breathtaking sweeps through tight mountain and coastline twisties as skills increase with confidence. With push-button electric start, a quick-shifting 6-speed transmission, shim-under-bucket valve lifters for minimal maintenance and reliable performance, and a built-in balancer for buzz-free riding comfort, this engine delivers smooth and confident operation as well as exciting performance.

### **Newly Enhanced Environmental Performance**

With its DOHC 4-valve head configuration and built-in Air Induction system ensuring more complete burning of exhaust gases, the CBF's engine also makes a significant contribution toward reducing harmful emissions. For 2006, the exhaust system now also features a larger, new catalytic heat tube installed at the front of the silencer, which more effectively scrubs down emissions of carbon monoxide (CO), nitrous oxides (NO<sub>x</sub>) and hydrocarbons (HC) to achieve cleaner exhaust that easily passes Europe's stricter EURO-3 emissions regulations. This increase in heat tube size also reduces back pressure within the exhaust system for a small increase in maximum power output.

## **Chassis**

Unchanged from its debut version, the CBF250's slim, lightweight chassis and impeccable handling are also specially configured for exciting yet confident control, with a compliant 37mm front fork ensuring swift and sure handling, and a monoshock damper supporting a sharp-looking box-section aluminium swingarm providing superb riding comfort and confident control when the riding gets brisk.

Wide tubeless tyres mounted on sporty cast aluminium wheels further ensure the CBF's light, responsive handling, providing not only the look but the exhilarating feel of full sport riding-oriented performance. Brakes are light of feel and instantly responsive, including a large-diameter drilled front disc effectively stopped by a dual-piston calliper and a reliable dual leading-shoe rear drum.

With all these advanced features available on such an attractive and reasonably priced motorcycle, it's no wonder that the CBF250 has become such a popular face on the streets of Europe.

# Optional Equipment

## **Top Box**

Both a 26- and 35-litre locking top box are available, featuring quick-detach mounting hardware and enough room to securely hold a full-face helmet and more.

## **Centrestand**

A conventional centrestand that can be attached to the frame to provide more secure parking on variable ground surfaces while facilitating rear wheel maintenance.

## **Flyscreen**

A compact and stylish grey-tinted acrylic flyscreen that provides substantial relief from the blast of wind on the chest at high speeds.

## Specifications

## CBF250 (ED-type)

### Engine

Type	Air-cooled 4-stroke 4-valve DOHC single
Displacement	249cm <sup>3</sup>
Bore x Stroke	73 x 59.5mm
Compression Ratio	9.3 : 1
Max. Power Output	16kW/8,000min <sup>-1</sup> (95/1/EC)
Max. Torque	22Nm/6,000min <sup>-1</sup> (95/1/EC)
Idling Speed	1,400min <sup>-1</sup>
Oil Capacity	1.8 litres

### Fuel System

Carburation	32mm VE-L type carburettor
Aircleaner	Viscous, cartridge-type paper filter
Fuel Tank Capacity	16 litres (including 2.5-litre reserve)

### Electrical System

Ignition System	Digital transistorised with electronic advance
Ignition Timing	10° BTDC (idle) ~ 25° BTDC (3,000min <sup>-1</sup> )
Sparkplug Type	CR8EH-9 (NGK)
Starter	Electric
Battery Capacity	12V/7AH
ACG Output	204W
Headlights	12V, 60W x 1 (low) / 55W x 1 (high)

### Drivetrain

Clutch	Wet, multiplate with coil springs
Clutch Operation	Mechanical; cable-actuated
Transmission Type	6-speed
Primary Reduction	3.100 (62/20)
Gear Ratios	1 2.769 (36/13)
	2 1.882 (32/17)
	3 1.333 (28/21)
	4 1.083 (26/24)
	5 0.923 (24/26)
	6 0.814 (22/27)
Final Reduction	2.846 (37/13)
Final Drive	O-ring sealed chain

**Frame**

Type Semi-double-cradle; steel tube

**Chassis**

Dimensions (LxWxH) 2,035 x 745 x 1,050mm  
Wheelbase 1,370mm  
Caster Angle 25° 34'  
Trail 99mm  
Turning Radius 2.3m  
Seat Height 780mm  
Ground Clearance 175mm  
Dry Weight 138.5kg  
Kerb Weight 152kg (F: 71kg; R: 81kg)  
Max. Carrying Capacity 175kg  
Loaded Weight 302kg (F: 101kg; R: 201kg)

**Suspension**

Type Front 37mm telescopic fork, 130mm axle travel  
Rear Monoshock, 100mm axle travel

**Wheels**

Type Front U-section 5-spoke cast aluminium  
Rear U-section 5-spoke cast aluminium  
Rim Size Front 17M/C x MT2.15  
Rear 17M/C x MT3.00  
Tyre Size Front 100/80-17M/C 52S  
Rear 130/70-17M/C 62S  
Tyre Pressure Front 225kPa  
Rear 225kPa (with passenger: 250kPa)

**Brakes**

Type Front 276 x 4mm hydraulic disc with dual-piston calliper and sintered metal pads  
Rear 130mm leading/trailing drum

All specifications are provisional and subject to change without notice.