

VFR

**2009** Press Information



## Introduction

Highly evolved from a sports bike heritage, the VFR is possibly the most refined balance of explosive sports tourer performance, superb comfort and agile manoeuvrability on European roads today. It's powered by a screaming fuel-injected engine whose 2-stage valve actuation system rewards every riding style with gratifying rushes of strong, accessible power. This considerable power is harnessed in a light-handling, receptive twin-spar aluminium frame. A 43mm HMAS cartridge-type front fork and sports-oriented Dual Combined Brake System contribute to Super Sports-class high-speed control. A Combined-ABS version is also available for extra confidence on any road. Rear suspension is smoothly compliant, with a single-sided cast aluminium Pro-Arm swingarm mounted directly to the rear of the engine cases and supported by a progressive Pro-Link rear suspension system. The low, contoured seat provides an easy reach to the ground and long-term touring comfort for rider and passenger.

The VFR represents blistering power, presented in a well-rounded and accessible package which has been winning fans for over two decades. This is a motorcycle that will enrich your life and broaden your horizons.

- Unique fuel-injected V4-VTEC engine features 2-stage valve actuation system that effectively combines the strong low-end torque of 2-valve engines with the high-revving power of high-performance 4-valve mills.
- HECS3 oxygen-sensing catalytic converter system minimises harmful exhaust gas emissions to ensure full EURO-3 compliance.
- Lightweight and rigid twin-spar aluminium frame, single-sided Pro-Arm swingarm and HMAS cartridge-type front fork all contribute to the VFR's sporty and responsive handling.
- Sport-oriented Dual Combined Brake System enhances braking ease and control for smooth, unruffled stopping performance.

- Deluxe ABS version features the peerless braking performance of Honda's most advanced Antilock Brake System.
- 22-litre tank capacity and powerful multi-reflector headlights promise long, pleasure-filled days whether on city streets or country roads.
- Optional luggage system easily fitted for comfortable and capable touring enjoyment.
- Three exciting new colour variations: Pearl Sunbeam White/Graphite Black (with Ross White Wheels), Sword Silver Metallic (with Gold Wheels), Candy Glory Red (with Gold Wheels).

### Colours

- Pearl Sunbeam White / Graphite Black (with Ross White wheels)
- Sword Silver Metallic (with Gold wheels)
- Candy Glory Red (with Gold wheels)



# Specifications

General	
Model	VFR
Mold Type	ED-type
Engine	
Type	Liquid-cooled 4-stroke 16-valve DOHC 90° V-4
Displacement	782cm <sup>3</sup>
Bore x Stroke	72 x 48mm
Compression Ratio	11.6 : 1
Max. Power Output	80kW / 10,500min <sup>-1</sup> (95/1/EC)
Max. Torque	80Nm / 8,750min <sup>-1</sup> (95/1/EC)
Idling Speed	1,200min <sup>-1</sup>
Oil Capacity	3.8 litres
Fuel System	
Carburation	PGM-FI electronic fuel injection
Throttle Bore	36mm
Aircleaner	Oil-permeated, cartridge-type paper filter
Fuel Tank Capacity	22 litres
Electrical System	
Ignition System	Computer-controlled digital transistorised with electronic advance
Ignition Timing	15° BTDC (idle) ~ 36° BTDC (5,000min <sup>-1</sup> )
Sparkplug Type	IMR9B-9H (NGK); VNH27Z (DENSO)
Starter	Electric
Battery Capacity	12V / 10AH
ACG Output	497W
Headlights	12V, 55W x 2 (low) / 55W x 2 (high)
Drivetrain	
Clutch	Wet, multiplate with coil springs
Clutch Operation	Hydraulic
Transmission	6-speed
Primary Reduction	1.939 (64/33)
Gear Ratios	2.846 (37/13)
	2 2.062 (33/16)
	3 1.578 (30/19)
	4 1.291 (31/24)
	5 1.111 (30/27)
	6 0.965 (28/29)
Final Reduction	2.687 (43/16)
Final Drive	O-ring sealed chain
Frame	
Type	Diamond; triple-box-section aluminium twin-spar

Chassis	
Dimensions	2,120 x 735 x 1,195mm
Wheelbase	1,460mm
Caster Angle	25° 30'
Trail	95mm
Turning Radius	3.2m
Seat Height	805mm
Ground Clearance	125mm
Kerb Weight	244kg (F: 117kg; R: 127kg), *249kg (F: 119kg; R: 130kg)
Max. Carrying Capacity	195kg
Loaded Weight	394kg (F: 151kg; R: 243kg)
Suspension	
Type	Front 41mm HMAS cartridge-type telescopic fork with stepless preload adjustment, 108mm axle travel
	Rear Pro-Link with gas-charged HMAS damper, 7-step (*stepless remote-controlled hydraulic) preload and stepless rebound damping adjustment, 120mm axle travel
Wheels	
Type	Front U-section 6-spoke cast aluminium
	Rear U-section 5-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 296 x 4.5mm dual floating hydraulic disc with Combined 3-piston calipers, (*ABS) and sintered metal pads
	Rear 256 x 6mm hydraulic disc with Combined 3-piston caliper, (*ABS) and sintered metal pads

\* ABS version