

# Shadow RS

**2010** Press Information



## An all-rounder with attitude

---

Honda is proud to introduce an exciting addition to its line-up in 2010. The new Shadow RS combines easy handling, comfort and satisfying power with styling that stands apart. The clean simplicity of its silhouette and the deep rumble of its V-twin engine have an immediate appeal. This is combined with the smooth performance of a thoroughly contemporary machine. All kinds of riders, including relative newcomers, will appreciate its proportions and light, confidence-inspiring handling. The Shadow RS also packs enough punch to keep more experienced riders entertained and is versatile enough for a range of uses that encompass commuting, quick weekend blasts and light touring. Its streetwise stance cannot fail to impress in any setting. The Shadow RS is built for good times and is always fun to ride.

## Development concept

---

The Shadow RS was developed to deliver all-round riding enjoyment to a wide range of riders. The seat and controls are positioned for natural, intuitive operation and its easy handling and low fuel consumption make it an appealing option for everyday transport.

Its engine is equally enjoyable in daily commuting as well as on longer, more leisurely rides, thanks to classic V-twin power.



## Styling

The styling of the 10YM Shadow RS integrates elements of a European street-oriented image. Its upright and comfortable riding position is designed for confident control and agile handling. The bodywork is compact, making it easy to manoeuvre through narrow city streets and busy traffic.

It features an impressive V-twin engine with a traditional air-cooled look, luxurious chrome-finished details, shining wire-spoked wheels and stylish twin mufflers. The tank shape flows back into a short, neatly chopped tail while the large front wheel creates an imposing street presence.

The Shadow RS makes its European debut in a grey metallic that enhances the sleek beauty of its bodywork and the strong impact of its black-painted engine. It creates an impressive contrast with the gleaming dual exhaust pipes and the chromed headlight cover, grab rail and air cleaner cover that highlight its traditional appeal.

### Colours

- Heavy Grey Metallic

## Engine

The Shadow RS is powered by a robust and dependable liquid-cooled V-twin engine that pumps out strong power over a broad rpm range. Easy starting, instant throttle response and smooth, satisfying acceleration are assured by Honda's PGM Fuel Injection system and an idle air control valve which precisely controls incoming air for smooth idling operation. Fuel flow is also accurately monitored to optimise efficiency, ensuring fuel consumption and emissions are kept low.

Power delivery is focused in the low and mid range, creating a satisfying experience of power that is easy to control and creates confidence. Close-ratio transmission delivers powerful, exhilarating acceleration from anywhere in the engine's power range, ensuring plenty of excitement. The engine is compact enough to allow a low seat height and its power is delivered to the rear wheel by a lightweight chain drive.

## Chassis

The Shadow RS chassis is compact and lightweight, with geometry that creates easy, natural handling. It is based around a strong double-cradle steel frame with a square pipe backbone and forged steel pivot plates. The 737mm seat height is low enough for shorter riders to place both feet on the ground, but the footpegs and grips are high enough to create a natural, upright sitting position, a reassuring view over surrounding traffic and a controlled ride feel.

A 19" front wheel and sturdy 41mm front forks add to the feeling of precise, responsive control. At the rear, forward-tilted dual conventional dampers with adjustable spring preload provide smooth, progressive damping. These combine with a fat 150mm rear tyre to deliver excellent comfort, even over long distances or with a passenger on board. The brakes are also designed for smooth efficient operation. The front wheel is stopped by a large 296mm disc brake with a responsive dual-piston caliper, while the rear features a conventional 180mm drum brake. Together, they supply assured stopping power that complements the bike's easy, proficient control.



# Specifications

General		
Model		Shadow RS
Mold Type		ED-type
Engine		
Type		Liquid-cooled 4-stroke 6-valve SOHC 52° V-twin
Displacement		745cm <sup>3</sup>
Bore x Stroke		79 x 76mm
Compression Ratio		9.6 : 1
Max. Power Output		31.7kW / 5,500min <sup>-1</sup> (95/1/EC)
Max. Torque		61.8Nm / 3,250min <sup>-1</sup> (95/1/EC)
Idling Speed		1,200min <sup>-1</sup>
Oil Capacity		3.0 litres
Fuel System		
Carburation		PGM-FI electronic fuel injection with automatic choke
Throttle Bore		34mm
Aircleaner		Viscous, cartridge-type mesh net filter
Fuel Tank Capacity		10.7 litres
Fuel Consumption		24.4 km/l (WMTC Mode *)
Electrical System		
Ignition System		Fully transistorised electronic
Ignition Timing		8° BTDC (idle) ~ 50° BTDC (5,250min-1)
Sparkplug Type		DPR7EA-9 (NGK); X22EPR-U9 (DENSO)
Starter		Electric
Battery Capacity		12V / 11.2AH
ACG Output		399W
Headlights		12V, 55W x 1 (low) / 60W x 1 (high)
Drivetrain		
Clutch		Wet, multiplate with coil springs
Clutch Operation		Mechanical; cable-actuated
Transmission		5-speed
Primary Reduction		1,666 (65/39)
Gear Ratios	1	3,166 (38/12)
	2	2,000 (34/17)
	3	1,500 (30/20)
	4	1,173 (27/23)
	5	1,041 (25/24)
Final Reduction		2,235 (38/17)
Final Drive		O-ring sealed chain
Frame		
Type		Double-cradle; steel tube

Chassis		
Dimensions	(LxWxH)	2,297 x 874 x 1,120mm
Wheelbase		1,569mm
Caster Angle		31° 18'
Trail		123mm
Turning Radius		3.2m
Seat Height		737mm
Ground Clearance		155mm
Kerb Weight		229.5kg (F: 101.2kg; R: 128.3kg)
Suspension		
Type	Front	41mm telescopic fork, 118mm axle travel
	Rear	Dual conventional dampers with 5-step adjustable spring preload, 90mm axle travel
Wheels		
Type	Front	Steel rim/wire spoke
	Rear	Steel rim/wire spoke
Rim Size	Front	19M/C x MT2.15
	Rear	16M/C x MT3.50
Tyre Size	Front	100/90 19M/C ()
	Rear	150/80 16M/C ()
Tyre Pressure	Front	200kPa
	Rear	200kPa (with passenger: 250kPa)
Brakes		
Type	Front	296 x 6mm hydraulic disc with dual-piston caliper and sintered metal pads
	Rear	180mm leading/trailing drum

\* Please note that the figures provided are results obtained by Honda under standardised testing conditions prescribed by WMTC. Tests are conducted on a rolling road using a standard version of the vehicle with only one rider and no additional optional equipment. Actual fuel consumption may vary depending on how you ride, how you maintain your vehicle, weather, road conditions, tire pressure, installation of accessories, cargo, rider and passenger weight, and other factors. - All specifications are provisional and subject to change without notice.

