

Lead

2009 Press Information



Introduction

With strong, dependable performance, easy handling and go-anywhere styling that let you be spontaneous, the Lead brings you the freedom to do what you want, when you want to do it. Its large, fuel-injected, liquid-cooled engine is quick, powerful and fuel efficient, and features an innovative linked front mount that reduces the feel of vibrations for a smooth ride. Thanks to its slim, sculpted proportions and low centre of gravity (the fuel tank is under the floorboard), handling is easy and sure, even in dense traffic. The low seat is comfortable for rider and passenger and conceals a capacious storage compartment. Suspension is compliant and the Combined Brake System offers precise, balanced and smooth brake operation. The styling features a meticulous attention to detail – feast your eyes on the slim tail with its wrap-around light array, futuristic front cowl and five-spoke cast aluminium wheels for a start.

Offering a unique combination of style, practicality and economy, this is tailor-made transport for those with a lust for life and a full agenda. Lead the way!

- Sleek, slim design with step-through frame and 12" front wheel offers easy manoeuvrability through dense urban traffic.
- Low 740mm seat height and high handlebars realise a more comfortable riding position, especially for beginners and shorter users.
- Liquid-cooled 108cm³ 4-stroke SOHC single-cylinder engine produces strong power for quick performance.
- Computerised electronic fuel injection system ensures quick starts, smooth, strong performance, lower fuel consumption and full EURO-3 compatibility.
- Easy-operation Combined Brake System features 190mm dual-piston caliper front disc brake and 130mm rear drum brake.
- Multi-purpose carrying capability provided by large underseat compartment, convenience hook, flat floorboard and cast aluminium rear carrier.
- Extensive range of optional accessories offers added comfort and convenience.

Colours

- Black
- Cosmic Silver Metallic
- Pearl Silky White
- Candy Lucid Red



Specifications

General		
Model		Lead
Mold Type		ED-type
Engine		
Type		Liquid-cooled 4-stroke 2-valve SOHC single
Displacement		108cm ³
Bore x Stroke		50 x 55mm
Compression Ratio		11 : 1
Max. Power Output		6.6kW / 7,500min ⁻¹
Max. Torque		9.3Nm / 6,250min ⁻¹
Idling Speed		1,700min ⁻¹
Oil Capacity		0.8 litres
Fuel System		
Carburation		PGM-FI electronic fuel injection
Throttle Bore		20mm
Aircleaner		Viscous; cartridge-type paper filter
Fuel Tank Capacity		6.5 litres
Electrical System		
Ignition System		Fully transistorised electronic
Ignition Timing		14° BTDC (idle) ~ 35° BTDC (7,500min ⁻¹)
Sparkplug Type		CR8EH-9 (NGK); U24FER9 (DENSO)
Starter		Electric
Battery Capacity		12V / 6AH
ACG Output		219W
Headlights		12V, 35W x 1 (low) / 30W x 1 (high)
Drivetrain		
Clutch		Automatic; centrifugal
Transmission		V-Matic
Final Reduction		9.423
Final Drive		V-belt
Belt Converter Ratios		2.590 ~ 0.880
Frame		
Type		Underbone; steel tube

Chassis		
Dimensions	(LxWxH)	1,835 x 665 x 1,125mm
Wheelbase		1,275mm
Caster Angle		26° 30'
Trail		74mm
Turning Radius		1.9m
Seat Height		740mm
Ground Clearance		105mm
Kerb Weight		114kg (F: 48kg; R: 66kg)
Max. Carrying Capacity		176kg
Loaded Weight		290kg (F: 90kg; R: 200kg)
Suspension		
Type	Front	33mm telescopic fork, 80mm axle travel
	Rear	Single-damper unit swingarm, 70mm axle travel
Wheels		
Type	Front	U-section 5-spoke cast aluminium
	Rear	U-section 5-spoke cast aluminium
Rim Size	Front	12M/C x MT2.75
	Rear	10M/C x MT3.50
Tyre Size	Front	90/90 12M/C (44J)
	Rear	100/90 10M/C (56J)
Tyre Pressure	Front	175kPa
	Rear	200kPa (with passenger: 225kPa)
Brakes		
Type	Front	190 x 3.5mm hydraulic disc with Combined dual-piston caliper, drilled rotor and resin mould pads
	Rear	130mm Combined leading/trailing drum