

Zoomer

2009 Press Information



Introduction

Moto GP champions use them to get around the paddock. Students use them for nipping around town. Just about everyone can use them as stylish accessories as well as practical, economical and environmentally responsible about-town transport. The diminutive, minimalist Zoomer commands instant respect everywhere it goes. Its advanced liquid-cooled, fuel-injected engine starts at one touch of a button. Chunky tyres, compliant suspension and a low tank make its handling balanced and easy. Its wickedly flamboyant personality is accentuated by bug-eye headlights and wide mirrors which also (incidentally) provide excellent visibility. With highly individualistic styling, funky colour variations and myriad possibilities for customisation, there's one just waiting for you to pick it, make it your own and get riding.

No mess. No fuss. Just 50ccs of pure enjoyment, unlimited freedom and dependable Honda quality. Have fun!

- Advanced fuel-injected and liquid-cooled 50cc 4-valve 4-stroke engine offers quick starts and strong power, with low noise and emissions.
- Open tubular frame design offers plenty of room under its flat seat to tie down a day's essentials, or attach some panels to customise your space.
- Fuel tank located under the floorboard for a more spacious design and a lower centre of gravity that contributes to easy handling.
- Large, rugged knobby tyres let you venture off the beaten path in your search for fun and adventure.

Colours

- Black
- Plasma Yellow
- Fighting Red
- Shasta White



Specifications

General		
Model		Zoomer
Mold Type		ED-type
Engine		
Type		Liquid-cooled 4-stroke 4-valve SOHC single
Displacement		49.9cm ³
Bore x Stroke		38 x 44mm
Compression Ratio		12 : 1
Max. Power Output		3kW / 7,500min ⁻¹ (95/1/EC)
Max. Torque		4.5Nm / 5,000min ⁻¹ (95/1/EC)
Idling Speed		2,000min ⁻¹
Oil Capacity		0.7 litres
Fuel System		
Carburation		PGM-FI electronic fuel injection
Aircleaner		Cartridge-type paper filter
Fuel Tank Capacity		5 litres (including 1-litre warning light reserve)
Electrical System		
Ignition System		Digital transistorised with electronic advance
Ignition Timing		15° BTDC (idle) ~ 25.4° BTDC (4,000min ⁻¹)
Sparkplug Type		ER8EH-N (NGK)
Starter		Electric / Primary kick
Battery Capacity		12V / 6AH
ACG Output		210W
Headlights		12V, 35W x 2 (low) / 35W x 2 (high)
Drivetrain		
Clutch		Centrifugal; automatic
Transmission		V-Matic belt drive
Final Reduction		13.708
Final Drive		V-belt
Belt Converter Ratios		2.850 ~ 1.200
Frame		
Type		Low deck backbone; Aluminium die-cast + steel tube

Chassis		
Dimensions		1,860 x 735 x 1,025mm
Wheelbase		1,265mm
Caster Angle		26° 30'
Trail		75mm
Turning Radius		1.9m
Seat Height		735mm
Ground Clearance		145mm
Kerb Weight		89kg (F: 40kg; R: 49kg)
Max. Carrying Capacity		112kg
Loaded Weight		164kg (F: 68kg; R: 96kg)
Suspension		
Type	Front	27mm telescopic fork, 49mm axle travel
	Rear	Unit swingarm, 65mm axle travel
Wheels		
Type	Front	Pressed steel
	Rear	Pressed steel
Rim Size	Front	10 x MT3.00
	Rear	10 x MT3.00
Tyre Size	Front	120/90 10 (57J)
	Rear	130/90 10 (61J)
Tyre Pressure	Front	175kPa
	Rear	175kPa
Brakes		
Type	Front	95mm leading/trailing drum
	Rear	95mm leading/trailing drum