

**TECHNICAL DATA**
**ENGINE**

Type	90° V-twin engine, 4-stroke, 4 valves, double ignition
Cooling	air and oil with an independent cooling pump Oil radiator with thermostat controlled fan
Displacement	1380 cc
Bore and stroke	104 x 81.2 mm
Compression ratio	10.5 : 1
Timing system diagram (1 mm checking clearance)	intake valve opens 19° BTDC / intake valve closes 55° ABDC / exhaust valve opens 49° BBDC / exhaust valve closes 12° ATDC
Maximum power	71 kW (96 HP) at 6500 rpm
Maximum torque	120 Nm 2750 min <sup>-1</sup>
Fuel supply / Ignition	phased electronic Multipoint sequential injection, Magneti Marelli IAW7SM; "ride by wire" Ø 52 mm throttle body, IWP 243 Magneti Marelli injectors, double oxygen sensor, integrated management of 3 engine mappings, traction control, cruise control
Starting	Electrical
Spark plugs	NGK LMAR8F, 2 per cylinder
Exhaust system	stainless steel, 2-in-2 type, 3-way catalytic converter with double oxygen sensor
Emissions compliance	Euro 3

**TRANSMISSION**

Gearbox	6-speed
Gear ratio values	1st 17/38 = 1 : 2.235 / 2nd 20/34 = 1: 1.700 / 3rd 23/31 = 1: 1.348 / 4th 26/29 = 1: 1.115 / 5th 31/30 = 1: 0.968 / 6th 30/24 = 1: 0.8
Primary drive	with helical teeth (ratio 26/35 = 1: 1,346)
Final drive	double cardan joint and fixed bevel gear seat, drive ratio 10/36 = 1: 3.6)
Clutch	single-disc with integrated anti-vibration buffer

**CHASSIS**

Frame	steel tubing, closed double cradle with elastic-kinematic engine mounting system to isolate vibrations.
Wheelbase	1695mm
Trail	144 mm
Headstock angle	32°
Steering angle	38°
Front suspension	standard fork , Ø 46 mm, with radial calliper mounting bracket and telescopes on the stanchions
Front wheel travel	120 mm
Rear suspension	Swingarm with two shock absorbers, with adjustable spring preload
Rear wheel travel	120 mm
Front brake	dual 320 mm stainless steel floating discs, Brembo radial callipers with 4 horizontally opposed pistons
Rear brake	282 mm stainless steel fixed disc, Brembo floating calliper with 2 parallel pistons
Wheels	Aluminium alloy
Front wheel rim	3.50" x 16"
Rear wheel rim	5.50" x 16"
Front tyre	130/90 R16"
Rear tyre	180/65 R16"

**ELECTRICAL SYSTEM**

System voltage	12 V
Battery	12V - 18 Ah
Alternator	12 V - 550 W

**DIMENSIONS**

Length	2445 mm
Width	940mm
Height	1180 mm
Saddle height	740 mm (720 mm opt.)
Minimum ground clearance	165 mm
Kerb weight*	314 Kg
Fuel tank capacity	20.5 litres
Reserve	5 litres

\* Weight of bike ready to ride, will all fluids and no fuel