



ENGINE AND TRANSMISSION.

ENGINE

Type	: 90° V-twin engine, 4-stroke
Cooling	: through air and oil and an independent cooling pump
Engine capacity	: 1,151 cc
Bore and stroke	: 95 x 81.2 mm
Compression ratio	: 11: 1
Timing system diagram (1-mm checking clearance)	: intake valve opening 36° BTDC intake valve closing 62° ABDC exhaust valve opening 58° BBDC exhaust valve closing 30° ATDC
Maximum power	: measured with a 1.5 mm rocker arms/valve control clearance 77 kW (105CV) at 7,500 rpm
Maximum torque	: above 108 Nm at 6,400 rpm
Fuel supply / Ignition	: Multipoint sequential electronic ignition, Magneti Marelli IAW5A phased, alfa-n system; two Ø 50mm throttle bodies, Weber IWP 189 injectors, lambda probe.
Start-up	: Electric
Spark plugs	: NGK PMR8B (Long Life)
Exhaust system	: stainless steel, 2-in-1 type, three-way catalytic converter with lambda probe
Type approval	: Euro 3

TRANSMISSION

Gearbox	: 6 gears
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 29/25 = 1 : 0.862
Primary transmission	: with helical teeth, ratio 26/35 = 1: 1.346
Final drive	: Compact reactive cardan shaft drive system called CA.R.C.; double joint and floating bevel gear pair, ratio 12/44 = 1 : 3.666
Clutch	: single-disc with integrated anti-vibration buffer



CHASSIS

Chassis	: tubular in high-strength steel with integrated engine
Wheelbase	: 1,535 mm
Trail	: 125 mm
Headstock angle	: 27°
Steering angle	: 34°
Front suspension	: fork with Ø 50mm inverted stems, fully adjustable (spring preload and hydraulic compression and rebound damping) with radially-mounted brake calliper
Front wheel travel	: 170 mm
Rear suspension	: single arm with rising-rate leverage, single shock absorber with hydraulic rebound damping adjustment and knob spring preloading set screw.
Rear wheel travel	: 155 mm
Front brake	: double stainless steel floating disc, Ø 320 mm, radial calipers with 4 opposed pistons
Rear brake	: fixed stainless steel disc, Ø 282 mm, floating caliper with 2 parallel pistons
Wheels	: Tubeless with spokes
Front rim	: 2.50" x 19"
Rear rim	: 5.50" x 17"
Front tyre	: 110/80 R19"
Rear tyre	: 180/55 R17"

ELECTRICAL SYSTEM

System voltage	: 12 V
Battery	: 12 V – 18 Ah
Alternator	: 12 V – 550 W

DIMENSIONS

Length	: 2250 mm
Width	: 1025 mm
Height	: 1475 mm (windshield high position)
Saddle height	: 840 mm
Minimum height from ground	: 210 mm
Dry weight	: 214 kg
Kerb weight.	: 251 kg
Fuel tank capacity	: 18 litres
Reserve	: 4.5 litres