



MOTO GUZZI 1200 SPORT 4V

Technical Data

ENGINE

Type	: Four-stroke V 90 twin
Cooling	: Air and oil cooled with independent cooling pump
Capacity	: 1,151cc
Bore and stroke	: 95 x 81.2 mm
Compression ratio	: 11 : 1
Timing diagram (play 1 mm)	: Intake valve opening 36° before upper TDC. Intake valve closing 62° after lower TDC. Exhaust valve opening 58° before lower TDC. Exhaust valve closing 30° after upper TDC. Measured with rocker arm/valve play of 1.5 mm
Maximum power output	: Over 77 kW (105 CV) at 7,000 rpm
Max Torque	: Over 105 Nm at 6,750 rpm
Fuel supply/ignition	: Multipoint sequential electronic injection, Magneti Marelli IAW 5A phased, alfa-n system; 2 x Ø50 mm throttle bodies with Weber IWP 189 injectors, Lambda probe.
Starter	: Electric
Spark plugs	: NGK PMR8B (Long Life)
Exhaust system	: Stainless steel two-into-one 3-way catalysed with Lambda probe.
Homologation	: Euro 3

TRANSMISSION

Gearbox	: 6 speed
Gear ratios	: 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
Lubrication	: Oil bath.
Primari drive	: Helicoidal gears, ratio 24/35 = 1 : 1.4583
Final drive	: CA.R.C reactive drive; double universal joint with floating bevel gear, ratio 12/44 = 1 : 3,666
Clutch	: Single plate with integrated flexible couplings



CHASSIS

Frame	: tubular cradle, high tensile steel
Wheelbase	: 1,495 mm
Trail	: 120 mm
Rake	: 25°
Steering angle	: 32°
Front suspension	: telescopic hydraulic fork with Ø 45 mm spring preload and rebound damping adjustable.
Front wheel travel	: 120 mm
Rear suspension	: single arm suspension with progressive linkage, rear shock absorber adjustable in rebound and pre-load (hydraulic)
Rear wheel travel	: 140 mm
Front brake	: twin stainless steel floating disc, Ø 320 mm, 4 opposed piston
Rear brake	: single steel fixed disc, Ø 282 mm, floating caliper with 2 parallel pistons
Wheels	: three spokes, light alloy wheels, gravity die-casting
Front wheel	: 3.50" x 17"
Rear wheel	: 5.50" x 17"
Front tyre	: 120/70 ZR17"
Rear tyre	: 180/55 ZR17"

ELECTRICAL EQUIPMENT

Voltage	: 12 V
Battery	: 12 V – 18 Ah
Alternator	: 12 V – 550 W

DIMENSIONS

Length	: 2,195 mm
Width (handlebars)	: 840 mm
Height (windshield)	: 1,160 mm
Seat height	: 800 mm
Minimum round clearance	: 185 mm
Dry weight	: 240 kg
Fuel tank capacity	: 23 litre
Riserve	: 4 litre

Technical data specified above for the Moto Guzzi 1200 SPORT 4V may be changed without prior notice.

