



**MOTO GUZZI 1200 SPORT 4V**

ENGINE

Type	Four-stroke V 90 twin
Cooling system	Air and oil cooled with independent cooling pump
Displacement	1,151 cc
Bore and stroke	95 x 81.2 mm
Compression ratio	11 : 1
Timing system	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	Over 77 kW (105 CV) at 7,000 rpm
Maximum torque	Over 105 Nm at 6,750 rpm
Fuel injection system / 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.
Spark plug	NGK PMR8B (Long Life)
Starting	Electric
Exhaust system	Stainless steel two-into-one 3-way catalyzed with Lambda probe.
Homologation	Euro 3

TRANSMISSION

Gears	6 speed
Internal 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
Primary drive	Helicoidal gears, ratio 24/35 = 1 : 1.4583
Secondary 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

ELECTRICS

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

## FRAME

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

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"

## 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
Reserve	4 litre