

Technical Data Sheet



MOTO GUZZI GRISO 8V

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 80.8 kW (110 CV) at 7,500 rpm
Max Torque	Over 108 Nm at 6,400 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
Primary drive	Helicoidal gears, ratio 26/35 = 1 : 1.346
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

ELECTRICS

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

FRAME

Frame	High tensile steel tubular twin cradle
Wheelbase	1,554 mm
Rake	108 mm
Steering rake	26.30°
Steering angle.	34°
Front suspension	Upside down Ø 43 mm fully adjustable forks (spring preload and hydraulic for rebound and compression) with mounting for radial calipers.
Front wheel travel	120 mm
Rear suspension	Progressive single swingarm, fully adjustable monoshock with separate gas reservoir (spring preload and hydraulic for rebound and compression).
Rear wheel travel	110 mm
Front brakes	Twin floating 320 mm stainless steel wave discs, radial calipers with 4 opposed pistons.
Rear brakes	Single 282 mm fixed stainless steel disc, floating caliper with 2 parallel pistons.

WHEELS

Wheels	Three-spoked aluminium alloy
Front wheel	3.50" x 17"
Rear wheel	5.50" x 17"
Front tyre	120/70 ZR17"
Rear tyre	180/55 ZR17"

DIMENSIONS

Length	2,260 mm
Width	830 mm
Height	1,070 mm
Saddle height	800 mm
Minimum ground clearance	185 mm
Dry weight	222 kg
Fuel tank capacity	16.7 litres
Reserve	3.3 litres