

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 5Aphased, alfa-n system; 2 x Ø50 mm throttle bodies with Weber IWP189 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
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 \varnothing 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	: 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"

ELECTRICS

Voltage	: <u>12 V</u>
Battery	: 12 V – 18 Ah
Alternator	: 12 V – 550 W

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

Technical data specified above for the Moto Guzzi GRISO 8V may be changed without prior notice.