



MOTO GUZZI GRISO 8V SPECIAL EDITION

ENGINE

Type	Four-stroke V 90 twin
Cooling system	Air and oil cooled with independent cooling pump
Displacement	1,151cc
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 80.8 kW (110 CV) at 7,500 rpm
Maximum torque	Over 108 Nm at 6,400 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 6th 29/25 = 1 : 0.862 5th 31/30 = 1 : 0.968 4th 26/29 = 1 : 1.115
Lubrication	Oil bath
Primary drive	Helicoidal gears, ratio 26/35 = 1 : 1.346
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	High tensile steel tubular twin cradle
Wheelbase	1,554 mm
Steering rake	26.30°
Steering angle	37°
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	110 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 brake	Twin floating 320 mm stainless steel wave discs, radial calipers with 4 opposed pistons.
Rear brake	Single 282 mm fixed stainless steel disc, 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	2,260 mm
Width (handlebars)	830 mm
Height (windshield)	1,1070 mm
Seat height	800 mm
Minimum round clearance	185 mm
Dry weight	222 kg
Fuel tank capacity	16.7 litre
Reserve	3.3 litre

