



MGS-01 CORSA

Technical Specifications

ENGINE

Type	: 90° V-Twin, 4 stroke
Cooling system	: air cooled
Displacement	: 1,225 cc
Bore and stroke	: 100 x 80 mm
Compression ratio	: 11.6 : 1
Timing system	: overhead camshaft – 4 valves per cylinder with positive drive belt
Valves	: Ø 36 mm intake Ø 31 mm exhaust
Valve timing	: intake open 36° P.P.M.S. intake close 70° D.P.M.I. exhaust open 64° P.P.M.I. exhaust close 28° D.P.M.S.
Maximum power	: 128 HP at 8,000 rpm
Maximum torque	: 11.5 Kgm at 6,200 rpm
Pistons	: Cosworth Racing 3 rings
Connecting rod	: Carillo 144 mm
Ignition system	: Marelli IAW 15M electronic digital
Intake conduit	: Marelli Ø 50 mm
Airbox	: 15 litres
Starting system	: electronic digital
Spark plugs	: Champion RA59GC

TRANSMISSION

Gearbox	: 6 speed
Primary drive	: straight – tooth gear, ratio 1: 1.55
Secondary drive	: double universal joint, ratio 1:2.909
Overall gear ratio	: 1 [^] gear = 1 :10.82 2 [^] gear = 1 : 8.01 3 [^] gear = 1 : 6.14 4 [^] gear = 1 : 5.01 5 [^] gear = 1: 4.35 6 [^] gear = 1 : 3.84
Clutch	: sinterized double disc dry, hydraulic drive

CHASSIS

Frame	: rectangular section single-beam ALS 450
Wheelbase	: 1,450 mm



Trail	: 97 mm
Rake	: 24°
Front suspension	: Öhlins upside-down fork, Ø 43 mm, 3 adjustment positions
Front wheel travel	: 120 mm
Rear suspension	: aluminium progressive swingarm with Öhlins monoshock absorber, 4 adjustment positions
Rear wheel travel	: 125 mm
Front brake	: double floating disc, Ø 320 mm, 4 pads radial calipers
Rear brake	: single disc, Ø 220 mm, double piston caliper
Rims	: forged aluminium 5 spokes
Front rim	: 3.50" x 17"
Rear rim	: 5.50" x 17"
Front tyre	: 120/60 17" Michelin slick S1246A
Rear tyre	: 180/55 17" Michelin slick S1835A

ELECTRICAL EQUIPMENT

Battery	: 12 V – 11 Ah
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DIMENSIONS

Length	: 2,070 mm
Width	: 730 mm
Height	: 1,165 mm
Seat height	: 820 mm
Footrest height	: 420 mm
Handlebar height	: 880 mm
Dry weight	: 192 kg
Fuel tank capacity	: 18.5 litres

Important: limited series non homologated, for racing use

Specification and colours of Moto Guzzi MGS-01 Corsa may change without notice.