



**MOTO GUZZI BREVA 1200**

**ENGINE**

Engine	Four-stroke V 90 twin
Cooling	Air cooled
Capacity	1,151 cc
Bore and stroke	95 x 81.2 mm
Compression ratio	9.8 : 1
Timing	2 valves per cylinder commanded by light alloy cam acting on rocker arm and mechanical tappets
Timing diagram	Intake valve opening 24 ° before upper TDC. Intake valve closing 52 ° after lower TDC. Exhaust valve opening 54 ° before lower TDC. Exhaust valve closing 22 ° after upper TDC.
Maximum power output	Over 66 kW (95 CV) at 7,500 rpm
Max Torque	Over 100 Nm at 5,800 rpm
Fuel supply/ignition	Multipoint sequential electronic injection, Magneti Marelli IAW 5A phased, alfa-n system; 2 Ø 45 mm throttle bodies with Weber IWP 162 injectors, Lambda probe and twin spark plugs.
Starter	Electric
Spark plugs	Inner NGK PMR8B (Long Life) Outer NGK BPR6ES
Exhaust system	Stainless steel two-into-one 3 way catalysed with Lambda probe and height adjustable silencer.
Homologation	Euro 3

**TRANSMISSION**

Gearbox	6 speed – constantly engaged cogs with integrated flexible couplings
Gear ratios	1st 17/38 = 1 : 2.235 2nd 20/34 = 1 : 1.7 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	Forced lubrication with lobe pump and pressure regulator
Primary drive	Helicoidal gears, ratio 24/35 = 1 : 1.458
Final drive	Shaft drive, ratio 12/44 = 1 : 3.667
Clutch	Dry mechanically operated twin plate

## ELECTRICS

Voltage	12 V
Battery	12 V – 18 Ah
Alternator	12 V – 350 W

## FRAME

Frame	Steel tubing
Wheelbase	1,495 mm
Rake	120 mm
Steering angle	25.50°
Front suspension	Marzocchi Ø 45 mm adjustable front forks
Front wheel travel	120 mm
Rear suspension	Single swingarm with progressive action – single rebound adjustable shock absorber with easy to operate pre-load setting knob
Rear wheel travel	140 mm
Front brakes	Twin floating 320 mm stainless steel discs, floating Brembo calipers with 4 opposed pistons.
Rear brakes	Single 282 mm fixed stainless steel disc, floating Brembo caliper with 2 parallel pistons.
ABS	Two channel ant-block system

## WHEELS

Wheels	Three-spoked aluminium alloy
Front wheel	3.50" x 17"
Rear wheel	5.50" x 17"
Front tyre	120/70 ZR 17 M/C (59W) TL Roadtec Z6
Rear tyre	180/55 ZR 17 M/C (73W) TL Roadtec Z6

## DIMENSIONS

Length	2,195 mm
Width	870 mm
Height	1,125 mm
Saddle height	800 mm
Minimum ground clearance	185 mm
Dry weight	236 kg
Fuel tank capacity	23 litres
Reserve	4 litres