

BREVA 850

ENGINE

Type	90° V-Twin, 4 stroke
Cooling system	Air cooled
Displacement	877 cc
Bore and stroke	92 x 66 mm
Compression ratio	9.8 : 1
Valve timing	intake open 24° B.T.D.C. intake close 52° A.B.D.C. exhaust open 54° B.B.D.C. exhaust close 22° A.T.D.C.
Maximum power	53 kW at 7600 rpm
Maximum torque	66 Nm at 7000 rpm
Fuel system	Magneti Marelli IAW alfa-n system Multipoint phased sequer throttle bodies of 40 mm with injectors Weber IW 031, Lam
Starting system	Electric
Ignition	inductive discharge, digitally controlled, electronic twin spar
Exhaust system	stainless steel, 2 in 1, with three ways catalyser and Lambd oxygen sensor
Homologation	Euro 3

TRANSMISSION

Gearbox	6 speed
Internal ratios	1 [^] 17/38 = 1 : 2.235 2 [^] 20/34 = 1 : 1.700 3 [^] 23/31 = 1 : 1.347 4 [^] 26/29 = 1 : 1.115 5 [^] 31/30 = 1 : 0.967 6 [^] 29/25 = 1 : 0.862
Lubrication	splash
Primary drive	helical gears, ratio 23/36=1 :1.565
Final drive	CA.R.C. Compact Reactive Shaft Drive; double universal joi floating bevel gear, ratio 12/44 = 1:3.666
Clutch	dual disc dry

CHASSIS

Frame	double cradle, in high tensile strenght tubular steel
Wheelbase	1,495 mm
Trail	120 mm
Steering head angle	25,30°
Steering angle	32°

Front suspension	telescopic hydraulic fork with Ø 45 mm, preload adjustable
Front wheel travel	120 mm
R Front wheel travel	single arm suspension progressive linkage, rear shock absorber adjustable in rebound and pre-load (hydraulic)
Rear wheel travel	140 mm
Front brake	twin Ø 320 mm stainless steel floating discs, four piston caliper
Rear brake	single Ø 282 mm steel disc, 2 piston caliper
Wheels	three spokes light alloy wheels, gravity casting
Front rim	3" x 17"
Rear rim	5.50" x 17"
Front tyre	120/70 ZR17"
Rear tyre	180/55 ZR17"

ELECTRICAL EQUIPMENT

Voltage	12 V
Battery	12 V – 18 Ah
Alternator	12 V – 540 W

DIMENSIONS

Length	2,195 mm
Width	870 mm
Height	1,125 mm
Seat height	800 mm
Ground clearance	185 mm
Dry weight	231 kg
Fuel tank capacity	23 litres
Reserve	4 litres

* Specifications and colours of Moto Guzzi Brevia 850 may change without notice.