



BREVA 850

Technical Specifications

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 sequential fuel; 2 throttle bodies of 45 mm, Lambda sensor, stepper motor idle control
Starting	: electric
Ignition	: inductive discharge, digitally controlled, electronic twin spark ignition
Exhaust system	: stainless steel, 2 in 1, with three ways catalyser and Lambda probe 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 joint with floating bevel gear, ratio 12/44 = 1:3.666
Clutch	: dual disc dry



CHASSIS

Frame	: double cradle, in high tensile strength 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
Rear suspension	: 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 calipers
Rear brake	: single Ø 282 mm steel disc, 2 piston caliper
Wheels	: three spokes light alloy wheels, gravity casting
Front wheel	: 3.50" x 17"
Rear wheel	: 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 litre
Reserve	: 4 litre

Technical specifications of Brevia 850 may change without notice.