

# BRUTALE 675

## ENGINE

Type	Three cylinder, 4 stroke, 12 valve
Timing system	"D.O.H.C"
Total displacement	675 cm <sup>3</sup> (41.2 cu. in.)
Compression ratio	12:1
Starting	Electric
Bore x stroke	79 mm x 45.9 mm (3.1 in. x 1.8 in.)
Max. horse power - r.p.m. (at the crankshaft)**	84.5 kW (113 HP) at 12500 r.p.m.
Max. torque - r.p.m.	71 Nm (7.24 kgm) at 10600 r.p.m.
Cooling system	Cooling with water radiator and oil heat exchanger
Engine management system	Integrated ignition - injection system with three injectors Engine control unit Eldor EM2.0, throttle body full drive by wire Mikuni, pencil-coil with ion-sensing technology, control of detonation and misfire Torque control with four maps, Traction Control with eight levels of intervention
Clutch	Wet, multi-disc with mechanical drive
Transmission	Cassette style; six speed, constant mesh
Primary drive	19/36
Gear ratio	
First gear:	1/14.493
Second gear:	1/10.821
Third gear:	1/9.053
Fourth gear:	1/8.040
Fifth gear:	1/7.274
Sixth gear:	1/6.712
Final drive ratio	16/43

## ELECTRICAL EQUIPMENT

Voltage	12 V
Alternator	350 W at 5000 r.p.m.
Battery	12 V - 8.6 Ah

## DIMENSIONS AND WEIGHT

Wheelbase	1380 mm (54.230 in.)
Overall length	2030 mm (79.87 in.)
Overall width	900 mm (35.43 in.)
Saddle height	812 mm (31.96 in.)
Min. ground clearance	150 mm (5.90 in.)
Trail	95 mm (3.74 in.)
Dry weight	163 kg (358 lbs.)
Fuel tank capacity	17.5 l (4.62 U.S. gal.) - 5 l (1.32 U.S. gal.) reserve

## PERFORMANCE

Maximum speed	225.0 km/h (140.8 mph)
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## FRAME

Type	ALS Steel tubular trellis
Rear swing arm pivot plates: material	Aluminium alloy

## FRONT SUSPENSION

Type	"UPSIDE - telescopic hydraulic fork
Rod dia.	43 mm (1.69 in.)
Travel on leg axis	125 mm (4.92 in.)

## REAR SUSPENSION

Type	Progressive, single shock absorber with spring preload adjustment
Single sided swing arm: material	Aluminium alloy
Wheel travel	123 mm (4.84 in.)

## BRAKES

Front brake	Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking disc and flange
Front brake caliper	Radial-type, with 4 pistons Ø 32 mm (Ø 1.26 in.)
Rear brake	Single steel disc with Ø 220 mm (Ø 8.66 in.) dia.
Rear brake caliper	With 2 pistons - Ø 34 mm (Ø 1.34 in.)

## WHEELS

Front: Material/size	Aluminium alloy 3.50 " x 17 "
Rear: Material/size	Aluminium alloy 5.50 " x 17 "

## TYRES

Front	120/70 - ZR 17 M/C (58 W)
Rear	180/55 - ZR 17 M/C (73 W)

## FAIRING

Material	Thermoplastic
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PEARL WHITE/MATT METALLIC GOLD

RED/SILVER

MATT MAGNO GREY/MATT ANTHRACITE

\*\* Limited power versions available on demand.