

BRUTALE 800

ENGINE

| | |
|---|--|
| Type | Three cylinder, 4 stroke, 12 valve |
| Timing system | "D.O.H.C" |
| Total displacement | 798 cm ³ (48.68 cu. in.) |
| Compression ratio | 13.3:1 |
| Starting | Electric |
| Bore x stroke | 79 mm x 54.3 mm (3.1 in. x 2.1 in.) |
| Max. power - r.p.m. (at the crankshaft)** | 92 kW (125 hp) at 11600 r.p.m. |
| Max. torque - r.p.m. | 81 Nm (8.25 kgm) at 8600 r.p.m. |
| Cooling system | Cooling with separated liquid and oil radiators |
| Engine management system | Integrated ignition - injection system MVICS (Motor & Vehicle Integrated Control 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: | 13/37 |
| Second gear: | 16/34 |
| Third gear: | 18/32 |
| Fourth gear: | 19/30 |
| Fifth gear: | 21/30 |
| Sixth gear: | 22/29 |
| Final drive ratio | 16/41 |

ELECTRICAL EQUIPMENT

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

DIMENSIONS AND WEIGHT

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|-----------------------|-------------------------|
| Wheelbase | 1380 mm (54.33 in.) |
| Overall length | 2085 mm (82.09 in.) |
| Overall width | 725 mm (28.54 in.) |
| Saddle height | 810 mm (31.89 in.) |
| Min. ground clearance | 160 mm (6.30 in.) |
| Trail | 95 mm (3.74 in.) |
| Dry weight | 167 kg (368.2 lbs.) |
| Fuel tank capacity | 16.6 l (4.39 U.S. gal.) |

PERFORMANCE

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|----------------|------------------------|
| Maximum speed* | 245.0 km/h (153.1 mph) |
|----------------|------------------------|

FRAME

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

FRONT SUSPENSION

| | |
|-------------|--|
| Type | Marzocchi "UPSIDE DOWN" telescopic hydraulic fork with rebound-compression damping and spring preload external and separate adjustment |
| Fork dia. | 43 mm (1.69 in.) |
| Fork travel | 125 mm (4.92 in.) |

REAR SUSPENSION

| | |
|---------------------------------|---|
| Type | Progressive Sachs, single shock absorber with rebound and compression damping and spring preload adjustment |
| Single sided swing arm material | Aluminium alloy |
| Wheel travel | 125 mm (4.92 in.) |

BRAKES

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|---------------------|--|
| Front brake | Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking disc and flange |
| Front brake caliper | Brembo 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 | Brembo 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 |
|----------|---------------|



ITALIA: WHITE/PEARL BLUE RUBY METALLIC RED/SILVER WHITE/MAMBA RED MATT METALLIC GREY/PEARL WHITE

* Top speed attained on closed course.

** Limited power versions available on demand.

Every country could have a price variation due to local import duties and taxes.