



# BRUTALE 800 RR



SHOCK PEARL RED/AVIO GREY



AGO SILVER/DARK METALLIC GREY



\* Top speed attained on closed course. Every country could have a price variation due to local import duties and taxes.

MY 2020 - 01/11/2019

## ENGINE

Type Three cylinder, 4 stroke, 12 valve  
Timing system "D.O.H.C" with mechanical chain tensioner  
Total displacement 798 cm<sup>3</sup> (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) 103 kW (140 hp) at 12.300 r.p.m.  
Max. torque - r.p.m. 87 Nm (8.87 kgm) at 10.100 r.p.m.  
Cooling system Cooling with separated liquid and oil radiators.

Engine management system Integrated ignition - injection system MVICS 2.0 (Motor & Vehicle Integrated Control System) with six injectors. Engine control unit Eldor EM2.0, throttle body full ride 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

Electronic quick-shift MV EAS 2.1 (Electronically Assisted Shift up & down)

Clutch Multi-disk wet clutch with hydraulic actuation and back torque limiting device

Transmission Cassette style; six speed, constant mesh  
Primary drive 22/41

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

Voltage 12 V  
Alternator 350 W at 5000 r.p.m.  
Battery 12 V - 8.5 Ah

## DIMENSIONS AND WEIGHT

Wheelbase 1400 mm (55,12 in.)  
Overall length 2045 mm (80,51 in.)  
Overall width 875 mm (34,45 in.)  
Saddle height 830 mm (32,68 in.)  
Min. ground clearance 135 mm (5,31 in.)  
Trail 103.5 mm (4,07 in.)  
Dry weight 175 kg (385,80 lbs.)  
Fuel tank capacity 16.5 l (4.36 U.S. gal.)

## PERFORMANCE

Maximum speed\* 244.0 km/h (151.6 mph)

## FRAME

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

## FRONT SUSPENSION

Type Marzocchi "UPSIDE DOWN" aluminium telescopic hydraulic fork with DLC treatment, with anodized fork legs and having 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 124 mm (4.88 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 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.)  
ABS System Bosch 9 Plus with RLM (Rear wheel Lift-up Mitigation)

## 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

## CONTENTS

Steering damper Manually adjustable with 8 settings  
Immobilizer

## EMISSIONS

Environmental Standard Euro 4  
Combined fuel consumption 6.7 l/100 km  
CO<sub>2</sub> Emissions 163 g/km

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