



# BRUTALE 800 RR SCS



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 with lean angle sensor
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Electronic quick-shift	MV EAS 2.1 (Electronically Assisted Shift up & down)
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Clutch	S.C.S. 2.0 (Smart Clutch System) Radius CX automatic clutch with hydraulic clutch actuation, wet multi-disc
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)
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## 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)
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Parking brake	Integrated in the rear hydraulic brake system
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## 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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## 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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