



# BRUTALE 1000 RR

## ENGINE

Type  
Timing system  
Total displacement  
Compression ratio  
Starting  
Bore x stroke  
Max. power - r.p.m. (at the crankshaft)  
Max. torque - r.p.m.  
Cooling system  
Engine management system

Four cylinder, 4 stroke, 16 valve  
"D.O.H.C", radial valve and DLC tappet  
998 cm<sup>3</sup> (60.9 cu. in.)  
13.4:1  
Electric  
79 mm x 50.9 mm (3.1 in. x 2.0 in.)  
153,0 kW (208 hp) at 13.000 r.p.m.  
116,5 Nm (11,9 kgm) at 11.000 r.p.m.  
Cooling with separated liquid and oil radiators  
Integrated ignition - injection system MVICS 2.1 (Motor & Vehicle Integrated Control System) with eight injectors (4 lower fuel injectors by Mikuni + 4 upper fuel injectors by Magneti Marelli with increased fuel flow). Engine control unit Eldor Nemo 2.1, throttle body bore 50 mm diameters full ride by wire Mikuni, pencil-coil with ion-sensing technology, control of detonation and misfire  
Torque control with four maps - Traction control with 8 levels + off and wheelie control with inertial platform

Electronic quick-shift  
Clutch

MV EAS 3.0 (Electronically Assisted Shift Up & Down)  
Wet, multi-disc with back torque limiting device and Brembo radial pump/lever assembly  
Cassette style; six speed, constant mesh  
48/82

Transmission  
Primary drive  
Gear ratio

First gear speed  
Second gear speed  
Third gear speed  
Fourth gear speed  
Fifth gear speed  
Sixth gear speed

14/37  
16/33  
18/31  
20/30  
22/29  
21/25  
15/41

Final drive ratio

## ELECTRICAL EQUIPMENT

Voltage  
Alternator  
Battery

12 V  
350 W at 5.000 r.p.m.  
Li-ion 12 V - 4.0 Ah

## DIMENSIONS AND WEIGHT

Wheelbase  
Overall length  
Overall width  
Saddle height  
Min. ground clearance  
Trail  
Dry weight  
Fuel tank capacity

1.415 mm (55.71 in.)  
2.080 mm (81.89 in.)  
805 mm (31.69 in.)  
845 mm (33.27 in.)  
141 mm (5.55 in.)  
97 mm (3.82 in.)  
186 kg (410.06 lbs.)  
16 l (4.23 U.S. gal.)

## PERFORMANCE

Maximum speed\*

over 300 km/h (186 mph)

## FRAME

Type  
Rear swing arm pivot plates material

CrMo Steel tubular trellis  
Aluminium alloy - Adjustable swingarm pivot height

## FRONT SUSPENSION

Type

Öhlins Nix EC hydraulic "upside down" front forks with TiN superficial treatment. Completely adjustable with electronically controlled compression and rebound damping with manually controlled spring preload.

Fork dia. 43 mm (1.69 in.)  
Fork travel 120 mm (4.72 in.)

## REAR SUSPENSION

Type

Progressive, single shock absorber Öhlins EC TTX completely adjustable with electronicall controlled compression and rebound damping and spring preload

Single sided swing arm material  
Wheel travel

Aluminium alloy  
120 mm (4.72 in.)

## BRAKES

Front brake

Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking disc and aluminium flange - Brembo radial pump/level assembly Brembo Stylema radial-type, single-piece with 4 pistons Ø 30 mm (Ø 1.18 in.)

Front brake caliper

Rear brake

Single steel disc with Ø 220 mm (Ø 8.66 in.) dia.- Brembo PS13 brake pump Brembo with 2 pistons Ø 34 mm (Ø 1.34 in.)

Rear brake caliper

ABS System

Continental MK100 with RLM (Rear Wheel Lift-up Mitigation) and with cornering function

## WHEELS

Front: Material/size  
Rear: Material/size

Forged aluminium alloy 3,50 " x 17 "  
Forged aluminium alloy 6,00 " x 17 "

## TYRES

Front  
Rear

120/70 - ZR 17 M/C (58 W)  
200/55 - ZR 17 M/C (78 W)

## FAIRING

Material

Carbon fiber and thermoplastic material

## CONTENTS

Steering damper

Öhlins EC with electronic manual and automatic adjustment modes

Carbon components

Air-box cover - Dashboard harness cover RH /LH central panel for fuel tank - RH/LH side panel for fuel tank - Central and lateral cover for projector Clutch and gearbox covers RH/LH external air intake

Exclusive features

Light crankshaft - New combustion chamber Titanium connecting rods - Dashboard TFT 5.5" color display - Cruise control - Bluetooth GPS MV Ride App for navigation mirroring, app-controlled engine, suspension and rider aids setup - Launch Control FLC Front lift control Mobisat tracker

## EMISSIONS

Environmental Standard  
Combined fuel consumption  
CO<sub>2</sub> Emissions

Euro 5  
6.8 l/100 km  
158 g/km



MATT METALLIC AVIATION GREY/  
MATT METALLIC DARK GREY/  
FLUORESCENT YELLOW



FIRE RED/MATT METALLIC DARK GREY



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