



# RUSH

## 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.

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.  
156,0 kW (212 hp) at 13.600 r.p.m.  
116,5 Nm (11,9 kgm) at 11.000 r.p.m.

Cooling system  
Engine management system

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	14/37
Second gear: Speed	16/33
Third gear: Speed	18/31
Fourth gear: Speed	20/30
Fifth gear: Speed	22/29
Sixth gear: Speed	21/25
Final drive ratio	15/41

## ELECTRICAL EQUIPMENT

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

## DIMENSIONS AND WEIGHT

Wheelbase	1.415 mm (55.71 in.)
Overall length	2.080 mm (81.89 in.)
Overall width	805 mm (31.69 in.)
Saddle height	845 mm (33.27 in.)
Min. ground clearance	141 mm (5.55 in.)
Trail	97 mm (3.82 in.)
Dry weight	186 kg (410.06 lbs.) - 184 kg (405.65 lbs.)**
Fuel tank capacity	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  
  
Single sided swing arm material  
Wheel travel

Progressive, single shock absorber Öhlins EC TTX completely adjustable with electronically controlled compression and rebound damping and spring preload  
Aluminium alloy  
120 mm (4.72 in.)

## BRAKES

Front brake  
  
Front brake caliper  
  
Rear brake  
  
Rear brake caliper  
  
ABS System

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.)  
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.)

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

## WHEELS

Front: Material/size  
Rear: Material/size

With aluminium alloy spokes 3,50 " x 17 "  
Forged aluminium alloy 6,00 " x 17 "  
with carbon fiber cover

## 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 - Air-box cover - Dashboard harness cover RH/LH central panel for fuel tank - RH/LH side panel for fuel tank - Clutch and gearbox covers - RH/LH external air intake. Under seat cover - Rear Wheel cover - Radiator covers

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 - CNC Rider's footpegs with adjustable height - Sprocket Z1

## RACING KIT\*\*

Customized Racing Kit box containing: SC racing exhaust silencer and dedicated control unit Carbon exhaust cover - Passenger seat cover CNC fuel tank cap - CNC brake/clutch levers - Brake/clutch lever protections - Auxiliary side lights Customized front brake discs - Customized motor cycle cover - Certificate of origin - Limited Edition

## EMISSIONS

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

Euro 5  
6.8 l/100 km  
158 g/km



LIGHT ARMY GREY MATT/  
DARK ARMY GREY MATT



RACING KIT VERSION\*\*



UNLEADED GASOLINE WITH  
UP TO 10% ETHANOL ONLY

\* Top speed attained on closed course.

\*\* Kit Exhaust and ECU Map version

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

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