

<b>F4 BRUTALE 989 R</b>	
<b>ENGINE</b>	
Type	Four cylinder, 4 stroke, 16 valve
Timing system	"D.O.H.C", radial valve
Total displacement	982.3 cm <sup>3</sup> (59.9 cu. in.)
Compression ratio	12.2:1
Starting	Electric
Bore x stroke	79,0 mm x 50,1 mm (3.10 in. x 1.97 in. )
Max. horse power - r.p.m. (at the crankshaft)	104 Kw (142 HP) at 11000 - Lim. 11650 r.p.m.
Max. torque - r.p.m.	104.5 Nm (10.4 Kgm) at 7800 r.p.m.
Cooling system	Cooling with separated liquid and oil radiators
Engine management system	"Weber Marelli" 5SM ignition - injection integrated system; induction discharge electronic ignition; sequential timed "Multipoint" electronic injection
Clutch	Wet, multi - disc
Gear Box	Cassette gearbox; six speed, constant mesh
Primary drive	50/79
Gear ratio	
First gear: Speed*	13/38 109.8 Km/h (68.2 mph) at 11650 r.p.m.
Second gear: Speed*	16/34 151.0 Km/h (93.8 mph) at 11650 r.p.m.
Third gear: Speed*	18/32 180.5 Km/h (112.1 mph) at 11650 r.p.m.
Fourth gear: Speed*	20/30 213.9 Km/h (132.8 mph) at 11650 r.p.m.
Fifth gear: Speed*	22/29 243.4 Km/h (151.1 mph) at 11650 r.p.m.
Sixth gear: Speed*	19/23 265.0 Km/h (164.5 mph) at 11650 r.p.m.
Final velocity ratio	15x41
<b>ELECTRICAL EQUIPMENT</b>	
Voltage	12 V
Alternator	650 W at 5000 r.p.m.
Battery	12 V - 9 Ah
<b>DIMENSIONS AND WEIGHT</b>	
Wheelbase	1410 mm (55.55 in.)
Overall length	2020 mm (79.59 in.)
Overall width	760 mm (29.94 in.)
Saddle height	805 mm (31.72 in.)
Min. ground clearance	135 mm (5.32 in.)
Trail	101,5 mm (4.00 in.)
Dry weight	185 Kg (407.9 lbs)
Fuel tank capacity	19 l (5.02 U.S. gal.) - reserve fuel: 4 l (1.05 U.S. gal. )
<b>PERFORMANCE</b>	
Maximum speed*	265 Km/h (164.5 mph)
<b>FRAME</b>	
Type	CrMo Steel tubular trellis (TIG welded)
Rear swing arm pivot plates: material	Aluminium alloy
<b>FRONT SUSPENSION</b>	
Type	"UPSIDE - DOWN" telescopic hydraulic fork with external and separated adjustment of rebound and compression damping and of spring preload
Rod dia.	50 mm (1.97 in.)
Travel on leg axis	130 mm (5.11 in.)
<b>REAR SUSPENSION</b>	
Type	Progressive, single shock absorber with rebound and compression (High speed/Low speed) damping and spring preload adjustment
Single sided swing arm: materiale	Aluminium alloy
Wheel travel	120 mm (4.72 in.)
<b>BRAKE</b>	
Front brake	Double floating disc with Ø 310 mm (Ø 12.2 in.) diameter, with steel braking band and steel flange
Front brake caliper	Radial with 4 pistons - Ø 32 mm (Ø 1.26 in.)
Rear brake	Single steel disc with Ø 210 mm (Ø 8.27 in.) diameter
Rear brake caliper	With 4 pistons - Ø 25,4 mm (Ø 1.00 in.)
<b>RIM</b>	
Front: Material / size	Aluminium alloy 3.50 " x 17 "
Rear: Material / size	Aluminium alloy 6.00 " x 17 "
<b>TYRES</b>	
Front	120/70 - ZR 17 (58 W)
Rear	190/55 - ZR 17 (75 W)
<b>FAIRING</b>	
Material	Thermoplastic

\* = Top speed attained on closed course.

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