

<b>F4 Special 100 C.C.</b>	
<b>ENGINE</b>	
Type	Four cylinder, 4 stroke, 16 valve
Timing system	"D.O.H.C", radial valve
Total displacement	1078 cm <sup>3</sup> (65.8 cu. in.)
Compression ratio	13:1
Starting	Electric
Bore x stroke	79 mm x 55 mm (3.1 in. x 2.2 in. )
Max. horse power - r.p.m. (at the crankshaft)	147 Kw (200 HP) at 12200 with titanium exhaust system - Lim. 13000 r.p.m.
Max. torque - r.p.m.	125 Nm (12.75 Kgm) at 9000 r.p.m.
Cooling system	Liquid cooled, water-oil heat exchanger
Engine management system	"Weber Marelli" 5SM ignition - injection integrated system; induction discharge electronic ignition, "Multipoint" electronic injection; Variable height intake ducts with Torque Shift System (TSS)
Clutch	Wet, multi - disc
Gear Box	Cassette gearbox; six speed, constant mesh
Primary drive	50/79
Gear ratio	
First gear: Speed*	13/38 129.8 Km/h (80.6 mph) at 13000 r.p.m.
Second gear: Speed*	16/34 178.5 Km/h (110.8 mph) at 13000 r.p.m.
Third gear: Speed*	18/32 213.4 Km/h (132.5 mph) at 13000 r.p.m.
Fourth gear: Speed*	20/30 252.9 Km/h (157.0 mph) at 13000 r.p.m.
Fifth gear: Speed*	22/29 287.8 Km/h (178.7 mph) at 13000 r.p.m.
Sixth gear: Speed*	21/25 315.0 Km/h (195.6 mph) at 13000 r.p.m.
Final velocity ratio	15x39
<b>ELECTRICAL EQUIPMENT</b>	
Voltage	12 V
Alternator	365 W at 6000 r.p.m.
Battery	12 V - 9 Ah
<b>DIMENSIONS AND WEIGHT</b>	
Wheelbase	1408 mm (55.40 in.)
Overall length	2007 mm (79.01 in.)
Overall width	685 mm (26.97 in.)
Saddle height	810 mm (31.87 in.)
Min. ground clearance	130 mm (5.12 in.)
Trail	103.8 mm (4.08 in.)
Weight with fuel tank empty	187 Kg (412.6 lb)
Fuel tank capacity	21 l (5.54 U.S. gal.) - reserve fuel: 4 l (1.05 U.S. gal. )
<b>PERFORMANCE</b>	
Maximum speed*	315.0 Km/h (195.6 mph) (self-limited for tires homologation)
<b>FRAME</b>	
Type	CrMo Steel tubular trellis (TIG welded)
Rear swing arm pivot plates: material	Magnesium alloy
<b>FRONT SUSPENSION</b>	
Type	"UPSIDE - DOWN" telescopic hydraulic fork with rebound-compression damping and spring preload adjustment
Rod dia.	50 mm (1.97 in.) with carbonitriding treatment
Travel on leg axis	129 mm (5.07 in.)
<b>REAR SUSPENSION</b>	
Type	Progressive, F.1-derived single shock absorber with rebound and compression (High speed / Low speed) damping and spring preload
Single sided swing arm: material	Magnesium alloy
Wheel travel	120 mm (4.72 in.)
<b>BRAKE</b>	
Front brake	"Brembo Racing" double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking band - Th. 6 mm (0.23 in) and aluminum flange
Front brake caliper	Solid-machined, "Brembo Racing", radial-type with 4 pistons - Ø 34 mm (Ø 1.34 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	Forged aluminium alloy 3.50 " x 17 "
Rear: Material / size	Forged aluminium alloy 6.00 " x 17 "
<b>TYRES</b>	
Front	120/70 - ZR 17 (58W)
Rear	190/55 - ZR 17 (75 W)
<b>FAIRING</b>	
Material	Carbon Fiber

\* = Top speed attained on closed course.

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