

F4 1000 S - S 1+1	
ENGINE	
Type	Four cylinder, 4 stroke, 16 valve
Timing system	"D.O.H.C", radial valve
Total displacement	60.8 cu. in.
Compression ratio	13:1
Starting	Electric
Bore x stroke	3.0 in. x 2.2 in.
Max. horse power - r.p.m. (at the crankshaft)	122 Kw (166 HP) at 11750 - Lim. 12700 r.p.m.
Max. torque - r.p.m.	109 Nm (11.1 Kgm) at 10200 r.p.m.
Cooling system	Liquid cooled, water-oil heat exchanger
Engine management system	"Weber Marelli" 1,6 M ignition - injection integrated system; induction discharge electronic ignition, "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 76.4 mph at 12700 r.p.m.
Second gear: Speed*	16/34 105.2 mph at 12700 r.p.m.
Third gear: Speed*	18/32 125.7 mph at 12700 r.p.m.
Fourth gear: Speed*	20/30 149.0 mph at 12700 r.p.m.
Fifth gear: Speed*	22/29 169.6 mph at 12700 r.p.m.
Sixth gear: Speed*	21/25 187.0 mph at 12700 r.p.m.
Final velocity ratio	15x39
ELECTRICAL EQUIPMENT	
Voltage	12V
Alternator	650 W at 5000 r.p.m.
Battery	12V - 9 Ah
DIMENSIONS AND WEIGHT	
Wheelbase	55.40 in.
Overall length	79.01 in.
Overall width	26.97 in.
Saddle height	31.87 in.
Min. ground clearance	5.12 in.
Trail	4.08 in.
Dry weight	423.3 lb (F4 1000 S) - 425.5 lb (F4 1000 S 1+1)
Fuel tank capacity	4.6 Brit. gal. (reserve fuel: 0.88 Brit. gal.)
PERFORMANCE	
Maximum speed*	187.0 mph
FRAME	
Type	CrMo Steel tubular trellis (TIG welded)
Rear swing arm pivot plates: material	Aluminium alloy
FRONT SUSPENSION	
Type	"UPSIDE - DOWN" telescopic hydraulic fork with rebound-compression damping and spring preload adjustment
Rod dia.	1.97 in.
Travel on leg axis	4.96 in.
REAR SUSPENSION	
Type	Progressive, single shock absorber with rebound and compression (High speed / Low speed) damping and spring preload (hydraulic control)
Single sided swing arm: materiale	Aluminium alloy
Wheel travel	4.72 in.
BRAKE	
Front brake	Double steel floating disc
Flange: material	Aluminium
disc dia.; caliper piston number and dia.	12.2 in.; 6 with 0.89 in. dia.; 1.00 in. dia.; 1.19 in. dia.
Rear brake	Single steel disc
disc dia.; caliper piston number and dia.	8.27 in.; 4 with 1.00 in. dia.
RIM	
Front: Material / size	Aluminium alloy 3.50 " x 17 "
Rear: Material / size	Aluminium alloy 6.00 " x 17 "
TYRES	
Front	120/70 - ZR 17 (56 W)
Rear	190/50 - ZR 17 (73 W)
FAIRING	
Material	Thermoplastic

* = Top speed attained on closed course.

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