

F4 1078 RR 312 - RR 1+1 312	
ENGINE	
Type	Four cylinder, 4 stroke, 16 valve
Timing system	"D.O.H.C.", radial valve
Total displacement	1078.37 cm ³ (65.78 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)	140 Kw (190 HP) at 12200 - Lim. 13000 r.p.m.
Max. torque - r.p.m.	124 Nm (12.4 Kgm) at 8200 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" sequential timed electronic injection
Clutch	Wet, multi - disc with mechanical anti-surgin device
Gear Box	Cassette gearbox; six speed, constant mesh
Primary drive	50/79
Gear ratio	
First gear: Speed*	14/37 140.9 Km/h (87.5 mph) at 13000 r.p.m.
Second gear: Speed*	16/33 180.6 Km/h (112.1 mph) at 13000 r.p.m.
Third gear: Speed*	18/31 216.3 Km/h (134.3 mph) at 13000 r.p.m.
Fourth gear: Speed*	20/30 248.3 Km/h (154.2 mph) at 13000 r.p.m.
Fifth gear: Speed*	22/29 282.6 Km/h (175.5 mph) at 13000 r.p.m.
Sixth gear: Speed*	21/25 Over 300 Km/h (186.0 mph) at 13000 r.p.m.
Final velocity ratio	15x40
ELECTRICAL EQUIPMENT	
Voltage	12 V
Alternator	650 W at 5000 r.p.m.
Battery	12 V - 9 Ah
DIMENSIONS AND WEIGHT	
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 (5.11 in.)
Trail	103,8 mm (4.08 in.)
Dry weight	F4 1078 RR 312: 192 Kg (423.3 lb) - F4 1078 RR 1+1 312: 193 Kg (425.5 lb)
Fuel tank capacity	21 l (5.54 U.S. gal.) - reserve fuel: 4 l (1.05 U.S. gal.)
PERFORMANCE	
Maximum speed*	Over 300 Km/h (186.0 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 external and separate adjustment
Rod dia.	50 mm (1.97 in.) with carbonitriding treatment
Travel on leg axis	130 mm (5.11 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	120 mm (4.72 in.)
BRAKE	
Front brake	Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking band and aluminum flange
Front brake caliper	Radial-type, single-piece 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.)
RIM	
Front: Material / size	Forged aluminium alloy 3.50 " x 17 "
Rear: Material / size	Forged aluminium alloy 6.00 " x 17 "
TYRES	
Front	120/70 - ZR 17 (58 W)
Rear	190/55 - ZR 17 (75 W)
FAIRING	
Material	Thermoplastic

* = Top speed attained on closed course.

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