

| F4 BRUTALE 1078 RR                            |   |
|---|---|
| <b>ENGINE</b>                                 |   |
| Type  | Four cylinder, 4 stroke, 16 valve   |
| Timing system                                 | "D.O.H.C", radial valve   |
| Total displacement                            | 1078.37 cm <sup>3</sup> (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) | 113 Kw (154 HP) at 10700 - Lim. 11650 r.p.m.  |
| Max. torque - r.p.m.                          | 117 Nm (11.7 Kgm) at 8100 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 with mechanical anti-surgin device  |
| Gear Box                                      | Cassette gearbox; six speed, constant mesh  |
| Primary drive                                 | 50/79   |
| Gear ratio                                    |   |
| First gear: Speed*                            | 13/38 110.6 Km/h (68.7 mph) at 11650 r.p.m.   |
| Second gear: Speed*                           | 16/34 152.2 Km/h (94.5 mph) at 11650 r.p.m.   |
| Third gear: Speed*                            | 18/32 181.9 Km/h (113.0 mph) at 11650 r.p.m.  |
| Fourth gear: Speed*                           | 20/30 215.6 Km/h (133.9 mph) at 11650 r.p.m.  |
| Fifth gear: Speed*                            | 22/29 245.3 Km/h (152.3 mph) at 11650 r.p.m.  |
| Sixth gear: Speed*                            | 19/23 267.2 Km/h (165.9 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*                                | 267.2 Km/h (165.9 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 rebound-compression damping and spring preload external and separate adjustment                          |
| 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 320 mm (Ø 12.6 in.) diameter, with steel braking band and aluminium 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.)   |
| <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 (58 W)   |
| Rear  | 190/55 - ZR 17 (75 W)   |
| <b>FAIRING</b>                                |   |
| Material                                      | Thermoplastic   |

\* = Top speed attained on closed course.

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