

<b>F4 BRUTALE Serie Oro</b>	
<b>ENGINE</b>	
Type	Four cylinder, 4 stroke, 16 valve
Timing system	"D.O.H.C.", radial valve
Total displacement	45.7 cu. in.
Compression ratio	12:1
Starting	Electric
Bore x stroke	2.9 in. x 1.7 in.
Max. horse power - r.p.m. (at the crankshaft)	93,4 Kw (127 CV) at 12500 r.p.m. - Lim. 13100 r.p.m.
Max. torque - r.p.m.	7,9 Kgm at 10500
Cooling system	Liquid cooled, oil cooler
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	47/81
Gear ratio	-
First gear: Speed	13/38    64.2 mph at 13100 r.p.m.
Second gear: Speed*	14/31    84.8 mph at 13100 r.p.m.
Third gear: Speed*	18/32    105.6 mph at 13100 r.p.m.
Fourth gear: Speed*	20/30    125.1 mph at 13100 r.p.m.
Fifth gear: Speed*	22/29    142.3 mph at 13100 r.p.m.
Sixth gear: Speed*	19/23    155.3 mph at 13100 r.p.m. electronically limited
Final velocity ratio	14x41
<b>ELECTRICAL EQUIPMENT</b>	
Voltage	12V
Alternator	650 W at 5000 r.p.m.
Battery	12V - 9 Ah
<b>DIMENSIONS AND WEIGHT</b>	
Wheelbase	55.65 in.
Overall length	79.75 in.
Overall width	32.28 in.
Saddle height	31.70 in.
Min. ground clearance	5.32 in.
Trail	4.00 in.
Dry weight	393.8 lb
Fuel tank capacity	4.16 Brit. gal. ( reserve fuel: 0.88 Brit. gal. )
<b>PERFORMANCE</b>	
Maximum speed*	155.3 mph electronically limited
<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.	front suspension 1.97 in. with Titanium Nitride anti-friction treatment
Travel on leg axis	4.65 in.
<b>REAR SUSPENSION</b>	
Type	Progressive, single shock absorber with rebound - compression damping and spring preload (F4 SPR, F4 Agostini and F4 Brutale rear suspension fully adjustable)
Single sided swing arm: material	Magnesium alloy
Wheel travel	4.72 in.
<b>BRAKE</b>	
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.
<b>RIM</b>	
Front: Material / size	Magnesium alloy 3,50 " x 17 "
Rear: Material / size	Magnesium alloy 6,00 " x 17 "
<b>TYRE</b>	
Front	120/65 - ZR 17 (56 W)
Rear	190/50 - ZR 17 (73 W) or 180/55 - ZR 17 (73 W)
<b>FAIRING</b>	
Material	Thermoplastic and carbon fiber