

**F3** 800

F3  
800



Motorcycle Art

# F3 800, Superbike revolution.



As exhilarating as a 1000, yet as fun to ride as a 600: the MV Agusta F3 800 is the ultimate expression of three cylinder supremacy. Striking the perfect balance between performance and ridability, no challenge is beyond reach with 148 horsepower that are harnessed by state of the art electronics. Superlative agility achieved with thoroughbred frame and suspension that is incredibly effective whether on the road or the track.



**F3** 800

# State of the art technology

Performance or lightness? Power or agility? Have it all with the MV Agusta F3 800, from class-beating riding pleasure and performance to sophisticated electronic engine management with four engine maps and eight levels of traction control.

From its styling to its engineering, every detail of the MV Agusta F3 800 embodies excellence. With ultra-light pistons, the three-cylinder powerplant revs all the way up to 13,000 rpm. The counter-rotating crankshaft exudes the racing spirit of the bike: derived directly from the GP race track, this solution reduces the directional inertia of the bike to make it even easier to ride and instantly responsive, with the unique character typical of an MV Agusta. At just 1.17 Kg/hp, the power to weight ratio is extraordinary.



Engine management is one of the strong features of the MV Agusta F3 800. With an integrated electronic control system overseeing everything from the Ride-By-Wire throttle to the injectors, the rider can tap into instant, incredible urge from the three-cylinder powerplant even at low engine speeds, for outstanding performance in all conditions. Weighing in at just 52 Kg, the extremely light engine boasts state of the art technical solutions such as double overhead camshafts with titanium valves and water and oil circuits integrated in the crankcase, for maximised compactness and overall efficiency.



Denominated M4.34 a, these Brembo mono-block calipers are conceived to generate safe and easily controlled deceleration. Brakes that let you decide exactly how much stopping power you need - from extreme braking on the circuit to smooth modulation in traffic - without compromises. These calipers are radially mounted to transfer all of the braking torque to the 320 mm diameter discs. At the rear, a 220 mm steel disc with a two-piston caliper contributes to controlling the load transfer.

**F3 800**





# The art of personalization.

The F3 800 is conceived to surpass limits. Created to enhance the styling and performance of your bike, the exclusive products in the MV Agusta Special Parts range let you push the limits even further. Visit the website [www.mvagusta.it](http://www.mvagusta.it) to discover a choice of stunning technical components from ultralight carbon to precision-machined aluminium.



# « Technical Data

## ENGINE

Type	Three cylinder, 4 stroke, 12 valve
Timing system	"D.O.H.C"
Total displacement	798 cm <sup>3</sup> (48.7 cu. in.)
Compression ratio	13.3:1
Starting	Electric
Bore x stroke	79 mm x 54.3 mm (3.1 in. x 2.1 in.)
Max. power - r.p.m. (at the crankshaft)**	108.8 kW (148 hp) at 13.000 r.p.m.
Max. torque - r.p.m.	88 Nm (8.97 kgm) at 10.600 r.p.m.
Cooling system	Cooling with separated liquid and oil radiators

Engine management system	Integrated ignition - injection system MVICS (Motor & Vehicle Integrated Control System) with six injectors. Engine control unit Eldor EM2.0, throttle body full drive by wire Mikuni, pencil-coil with ion-sensing technology, control of detonation and misfire. Torque control with four maps, Traction Control with eight levels of intervention
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Electronic quick shift	MV EAS (Electronically Assisted Shift)
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Clutch	Wet, multi-disc slipper clutch
Transmission	Cassette style; six speed, constant mesh
Primary drive	19/36
Gear ratio	
First gear:	13/37
Second gear:	16/34
Third gear:	18/32
Fourth gear:	19/30
Fifth gear:	21/30
Sixth gear:	22/29
Final drive ratio	17/41

## ELECTRICAL EQUIPMENT

Voltage	12 V
Alternator	350 W at 5000 r.p.m.
Battery	12 V - 8.6 Ah

## DIMENSIONS AND WEIGHT

Wheelbase	1.380 mm (54.33 in.)
Overall length	2.060 mm (81.01 in.)
Overall width	725 mm (28.54 in.)
Saddle height	805 mm (31.69 in.)
Min. ground clearance	125 mm (4.92 in.)
Trail	99 mm (3.89 in.)
Dry weight	173 kg (381.4 lbs.)
Fuel tank capacity	16,5 l (4.36 U.S. gal.)

## PERFORMANCE

Maximum speed*	269.0 km/h (167.1 mph)
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## FRAME

Type	ALS Steel tubular trellis
Rear swing arm pivot plates material	Aluminium alloy

## FRONT SUSPENSION

Type	Marzocchi "UPSIDE DOWN" telescopic hydraulic fork with rebound-compression damping and spring preload external and separate adjustment
Fork dia.	43 mm (1.69 in.)
Fork travel	125 mm (4.92 in.)

## REAR SUSPENSION

Type	Progressive Sachs, single shock absorber with rebound and compression damping and spring preload adjustment
Single sided swing arm material	Aluminium alloy
Wheel travel	123 mm (4.84 in.)

## BRAKES

Front brake	Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking disc and flange
Front brake caliper	Brembo radial-type monobloc, with 4 pistons Ø 34 mm (Ø 1.34 in.)
Rear brake	Single steel disc with Ø 220 mm (Ø 8.66 in.) dia.
Rear brake caliper	Brembo with 2 pistons - Ø 34 mm (Ø 1.34 in.)

## WHEELS

Front: Material/size	Aluminium alloy 3.50" x 17"
Rear: Material/size	Aluminium alloy 5.50" x 17"

## TYRES

Front	120/70 - ZR 17 M/C (58 W)
Rear	180/55 - ZR 17 M/C (73 W)

## FAIRING

Material	Thermoplastic
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PEARL WHITE/BLACK

RED/SILVER

METALLIC MATT BLACK