



Motorcycle Art
SINCE 1945



RUSH

MY 2023_TECHNICAL DATA



NEW
COLOR '23



MAMBA RED 2.0 (GLOSS)/
INTENSIVE BLACK (GLOSS)



* Speed attained on closed course.
** Kit Exhaust and ECU Map version

Every country could have a price variation due to local
import duties and taxes
MY 23 – 07/11/22

ENGINE

Type
Timing system
Total displacement
Compression ratio
Starting
Bore x stroke
Max. power – r.p.m. (at the crankshaft)

Max. torque – r.p.m.

Cooling system
Engine management system

Electronic quick-shift
Clutch

Transmission
Primary drive
Gear ratio

First gear
Second gear
Third gear
Fourth gear
Fifth gear
Sixth gear
Final drive ratio

ELECTRICAL EQUIPMENT

Voltage 12 V
Alternator 350 W at 5.000 r.p.m.
Battery Li-ion 12 V – 4.0 Ah

DIMENSIONS AND WEIGHT

Wheelbase
Overall length
Overall width
Saddle height
Min. ground clearance
Trail
Dry weight
Fuel tank capacity

PERFORMANCE

Maximum speed*
Accelerazione*

FRAME

Type
Rear swing arm pivot plates material

FRONT SUSPENSION

Type

Fork dia.
Wheel travel

Four cylinders, 4 stroke, 16 valves, with crankshaft
“D.O.H.C”, radial valve and DLC tappet
998 cm³ (60.9 cu. in.)
13.4:1
Electric
79 mm x 50.9 mm (3.1 in. x 2.0 in.)
153,0 kW (208 hp) at 13.000 r.p.m.
156,0 kW (212 hp) at 13.600 r.p.m.**
116,5 Nm (11,9 kgm) at 11.000 r.p.m.

Cooling with separated liquid and oil radiators
Integrated ignition – injection system MVICS 2.1
(Motor & Vehicle Integrated Control System) with
eight injectors (4 lower fuel injectors by Mikuni +
4 upper fuel injectors by Magneti Marelli with
increased fuel flow). Engine control unit Eldor Nemo
2.1, throttle body bore 50 mm diameters full ride by
wire Mikuni, pencil-coil with ion-sensing technology,
control of detonation and misfire – Torque control
with four maps – Traction control with 8 levels + off
and wheelie control with inertial platform
MV EAS 3.0 (Electronically Assisted Shift Up & Down)
Wet, multi-disc with back torque limiting device
and Brembo radial pump/lever assembly
Cassette style; six speed, constant mesh
48/82

14/37
16/33
18/31
20/30
22/29
21/25
15/41

1.415 mm (55.71 in.)
2.080 mm (81.89 in.)
805 mm (31.69 in.)
845 mm (33.27 in.)
141 mm (5.55 in.)
97 mm (3.82 in.)
186 kg (410.06 lbs.) – 184 kg (405.65 lbs.)*
16 l (4.23 U.S. gal.)

over 300 km/h (186 mph)
0–100 km/h in 3.15 s 0–200 km/h in 8.30 s

CrMo Steel tubular trellis
Aluminium alloy – Adjustable swingarm
pivot height

Öhlins Nix EC hydraulic “upside down” front forks
with TIN superficial treatment. Completely
adjustable with electronically controlled
compression and rebound damping with
manually controlled spring preload.
43 mm (1.69 in.)
120 mm (4.72 in.)

REAR SUSPENSION

Type

Single sided swing arm material
Wheel travel

BRAKES

Front brake

Front brake caliper

Rear brake

Rear brake caliper

ABS System

WHEELS

Front: Material/size
Rear: Material/size

TYRES

Front
Rear

FAIRING

Material

CONTENTS

Steering damper

Carbon components

Exclusive features

RACING KIT**

EMISSIONS

Environmental Standard
Combined fuel consumption
CO₂ Emissions

Progressive, single shock absorber Öhlins EC
TTX completely adjustable with electronically
controlled compression and rebound
damping and spring preload
Aluminium alloy
120 mm (4.72 in.)

Double floating disc with Ø 320 mm (Ø 12.6 in.)
diameter, with steel braking disc and aluminium
flange – Brembo radial pump/level assembly
Brembo Stylema radial-type, single-piece
with 4 pistons Ø 30 mm (Ø 1.18 in.)
Single steel disc with Ø 220 mm (Ø 8.66 in.) dia.
Brembo PS13 brake pump
Brembo with 2 pistons Ø 34 mm (Ø 1.34 in.)

Continental MK100 with RLM (Rear Wheel Lift-up
Mitigation) and with cornering function

With aluminium alloy spokes 3,50 " x 17 "
Forged alluminium alloy 6,00 " x 17 "
with carbon fiber cover

120/70 – ZR 17 M/C (58 W)
200/55 – ZR 17 M/C (78 W)

Carbon fiber and thermoplastic material

Öhlins EC with electronic manual and
automatic adjustment modes

Air box – Air-box cover – Dashboard harness
cover RH/LH central panel for fuel tank – RH/LX
side panel for fuel tank – Clutch and gearbox
covers – RH/LH external air intake. Under seat
cover – Rear Wheel cover – Radiator covers

Lighter crankshaft – New combustion chamber
Lighter pistons – Titanium connecting rods
Dashboard TFT 5.5" color display – Cruise control
Bluetooth – GPS – MV Ride App for navigation
mirroring, app-controlled engine, suspension and
rider aids setup – Launch Control – FLC (Front lift
control – Mobisat anti-theft system with geo-
location – CNC Rider's footpegs with adjustable
height – Sprocket Z15 – Raised semi-handlebars
Alcantara “comfort” seat – Aluminium dashboard
cover

Customized Racing Kit box containing: Arrow
Titanium racing exhaust silencer (Euro 5, street
legal) and dedicated control unit – Carbon exhaust
cover – Passenger seat cover – CNC fuel tank cap
CNC brake/clutch levers – Brake/clutch lever
protections – Customized motorcycle cover
Certificate of origin – Limited Edition

Euro 5
6.8 l/100 km
158 g/km

MV Agusta is committed to the constant improvement of our products. Therefore the information and technical characteristics of the vehicles are subject to change without notice.