



Motorcycle Art
SINCE 1945

RUSH

MY 2023_TECHNICAL DATA



RUSH

MOTORE

Tipo
Distribuzione

Cilindrata totale
Rapporto di compressione
Avviamento
Alesaggio per corsa
Potenza max. a giri/min (all'albero)

Coppia massima giri/min
Raffreddamento
Accensione - Iniezione - Elettronica

Sistema cambio elettronico
Frizione

Cambio velocità

Rapporti primaria
Rapporti cambio

Prima velocità
Seconda velocità
Terza velocità
Quarta velocità
Quinta velocità
Sesta velocità

Rapporto finale di trasmissione

IMPIANTO ELETTRICO

Tensione impianto
Alternatore
Batteria

DIMENSIONI E PESO

Interasse
Lunghezza totale
Larghezza max.
Altezza sella
Altezza min. da terra
Avancorsa
Peso a secco
Capacità serbatoio carburante

PRESTAZIONI

Velocità max.*
Accelerazione*

TELAIO

Tipo
Materiale piastre fulcro forcellone

SOSPENSIONE ANTERIORE

Tipo

Ø Steli
Escursione ruota

Quattro cilindri, 4 tempi, 16 valvole, con contralbero
Doppio albero a camme in testa;
valvole radiali e bicchierini DLC

998 cm³
13.4:1
Elettrico
79 mm x 50,9 mm
153,0 kW (208 CV) a 13.000 giri/min
156,0 kW (212 CV) a 13.600 giri/min**
116,5 Nm (11,9 kgm) a 11.000 giri/min
A liquido e olio con radiatori separati
Sistema integrato di accensione-iniezione MVICS 2.1 (Motor & Vehicle Integrated Control System) con 8 iniettori (4 inferiori Mikuni + 4 superiori Magneti Marelli con portata maggiorata). Centralina di controllo motore Eldor Nemo 2.1; corpo farfallato diametro 50 mm full ride by wire Mikuni; bobine pencil-coil dotate di tecnologia "ion-sensing", controllo della detonazione e misfire. Controllo di coppia con 4 mappe - Traction Control disinseribile ad 8 livelli di intervento e wheelie control con piattaforma inerziale
MV EAS 3.0 (Electronically Assisted Shift Up & Down)
Multidisco in bagno d'olio con dispositivo anti-saltellamento meccanico con pompa radiale Brembo
Estraibile a sei velocità con ingranaggi sempre in presa
48/82

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

12 V
350 W a 5.000 giri/min
Li-ion 12 V - 4,0 Ah

1.415 mm
2.080 mm
805 mm
845 mm
141 mm
97 mm
186 kg - 184 kg**
16 l

oltre 300 km/h
0-100 km/h in 3.15 s 0-200 km/h in 8.30 s

Tubolare a traliccio in acciaio CrMo
Legna di alluminio - Perno con altezza regolabile

Forcella Öhlins Nix EC oleodinamica a steli rovesciati con trattamento superficiale TIN. Completamente regolabile con freno idraulico in estensione e compressione gestito elettronicamente. Regolazione manuale del precarico molla.

43 mm
120 mm

SOSPENSIONE POSTERIORE

Tipo

Materiale forcellone monobraccio
Escursione ruota

FRENI

Anteriore

Pinza freno anteriore

Posteriore
Pinza freno posteriore

Sistema ABS

CERCHI

Anteriore: Materiale / dimensioni
Posteriore: Materiale / dimensioni

PNEUMATICI

Anteriore
Posteriore

CARROZZERIA

Materiali

CONTENUTI

Ammortizzatore di sterzo

Componenti in carbonio

Contenuti esclusivi

RACING KIT**

EMISSIONI

Norma ambientale
Consumo carburante combinato
Emissioni di CO₂

Progressiva, monoammortizzatore Öhlins EC TTX completamente regolabile, con freno idraulico in estensione e compressione gestiti elettronicamente, regolazione manuale precarico molla.

Legna di alluminio
120 mm

A doppio disco flottante (Ø 320 mm) con fascia frenante in acciaio e flangia in alluminio pompa radiale Brembo
Radiale monoblocco Brembo Stylema a 4 pistoncini (Ø 30 mm)
A disco in acciaio (Ø 220 mm) - Pompa Brembo PS13 Brembo a 2 pistoncini (Ø 34 mm)

Continental MK100 con RLM (Rear Wheel Lift-up Mitigation) e con funzione cornering

A raggi in lega di alluminio 3,50"x 17"
Forgiato in lega di alluminio 6,00 "x 17 "con cover in carbonio

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

Fibra carbonio e materiali termoplastici

Öhlins EC con sistema di regolazione elettronico con interventi automatici e manuali

Cover air-box - Coperchio per cablaggio cruscotto
Fianchetto centrale serbatoio DX/SX - Fianchetto serbatoio DX/SX - Copertura lato frizione e lato cambio - Presa aria esterna DX/SX - Paratia sotto sella - Cover cerchio ruota post - Air box superiore Copertura radiatore

Albero motore alleggerito - Nuova camera di combustione - Pistoni alleggeriti - Bielle in titanio
Cruscotto TFT 5.5" con display a colori - Cruise control - Bluetooth - GPS - MV Ride App per mirroring indicazioni di navigazione e setup elettronico di motore, sospensioni e dispositivi di sicurezza - Launch Control - FLC (Front Lift Control)
Antifurto Mobisat con geolocalizzazione - Pedane pilota CNC regolabili in altezza - Pignone Z15 Semimanubri alti - Sella "comfort" in Alcantara
Cover cruscotto in alluminio

Racing Kit box dedicato contenente: Kit scarico racing Arrow Titanium (Euro 5, per uso stradale) - Centralina dedicata - Cover scarico in carbonio - Copricodino sella passeggero - Tappo serbatoio CNC - Leva freno/frizione CNC - Protezione leva freno/frizione - Telo coprimoto dedicato - Elegante welcome kit con certificato di autenticità (Serie limitata)

Euro 5
6.8 l/100 km
158 g/km



RACING KIT RUSH

NEW
COLOR '23



ROSSO MAMBA 2.0/
NERO INTENSIVO



ROSSO MAMBA 2.0/
NERO INTENSIVO - RACING KIT**



SOLO BENZINA SENZA PIOMBO
ETANOLO FINO AL 10% DI VOLUME

* Velocità raggiungibile in pista

** Versione racing kit con scarico + Mappa dedicata

MY 23 - 13/07/23



RUSH

ENGINE

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

Max. torque – rpm

Cooling system
Engine management system

Electronic quick-shift
Clutch

Transmission
Primary drive
Gear ratio

First gear	14/37
Second gear	16/33
Third gear	18/31
Fourth gear	20/30
Fifth gear	22/29
Sixth gear	21/25
Final drive ratio	15/41

ELECTRICAL EQUIPMENT

Voltage 12 V
Alternator 350 W at 5.000 rpm
Battery Li-ion 12 V – 4.0 Ah

DIMENSIONS AND WEIGHT

Wheelbase	1.415 mm (55.71 in.)
Overall length	2.080 mm (81.89 in.)
Overall width	805 mm (31.69 in.)
Saddle height	845 mm (33.27 in.)
Min. ground clearance	141 mm (5.55 in.)
Trail	97 mm (3.82 in.)
Dry weight	186 kg (410.06 lbs.) – 184 kg (405.65 lbs.)**
Fuel tank capacity	16 l (4.23 U.S. gal.)

PERFORMANCE

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

FRAME

Type
Rear swing arm pivot plates material

FRONT SUSPENSION

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

Four cylinders, 4 stroke, 16 valves, with countershaft “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 rpm
156,0 kW (212 hp) at 13.600 rpm**
116,5 Nm (11,9 kgm) at 11.000 rpm

Cooling with separated liquid and oil radiators
Integrated ignition – injection system MVIGS 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 master cylinder/lever assembly
Cassette style; six speed, constant mesh

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

FAIRING

Material Carbon fiber and thermoplastic material

CONTENTS

Steering damper
Öhlins EC with electronic manual and automatic adjustment modes

Carbon components

Exclusive features

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

RACING KIT**

Progressive, Öhlins EC TTX single shock absorber 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.) dia. with steel braking disc and aluminium flange
Brembo radial master cylinder/lever assembly
Brembo Stylema radial-type monobloc, 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 master cylinder
Brembo with 2 pistons Ø 34 mm (Ø 1.34 in.)
Continental MK100 with RLM (Rear Wheel Lift-up Mitigation) and with cornering function

Aluminium alloy spoked wheel 3,50 ” x 17 ”
Forged alluminium alloy 6,00 ” x 17 ”
with carbon fiber cover

Carbon fiber and thermoplastic material

Öhlins EC with electronic manual and automatic adjustment modes

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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
Elegant welcome kit box with certificate of authenticity (Limited edition)

EMISSIONS

Environmental Standard Euro 5
Combined fuel consumption 6.8 l/100 km
CO₂ Emissions 158 g/km



RUSH RACING KIT

NEW
COLOR '23



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



MAMBA RED 2.0 (GLOSS)/INTENSE
BLACK (GLOSS) – RACING KIT**

E10 UNLEADED GASOLINE WITH
UP TO 10% ETHANOL ONLY

* Speed attained on closed course.
** Racing kit version with ECU Map version.

Every country could have a price variation due to local import duties and taxes
MY 23 – 13/07/23



RUSH



RUSH DEDICATED KIT

NEW
COLOR '23



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



MAMBA RED 2.0 (GLOSS)/INTENSE
BLACK (GLOSS) – SPECIAL PARTS KIT**



* Speed attained on closed course.

**Special Parts version with optional exhaust and ECU map. The items have been developed and are intended for closed course competition use and racing applications only.

Every country could have a price variation due to local import duties and taxes

MY 23 – 13/07/23 USA

ENGINE

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

Max. torque – rpm

Cooling system
Engine management system

Electronic quick-shift
Clutch

Transmission
Primary drive
Gear ratio

First gear 14/37
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DIMENSIONS AND WEIGHT

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FRONT SUSPENSION

Type
Fork dia.
Wheel travel

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CrMo Steel tubular trellis
Aluminium alloy – Adjustable swingarm pivot height

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Wheel travel

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FAIRING

Material Carbon fiber and thermoplastic material

CONTENTS

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Carbon components

Exclusive features

DEDICATED KIT

SPECIAL PARTS KIT**

OPTIONAL

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Passenger seat cover – CNC brake/clutch levers
CNC Brake/clutch lever protections – Customized motorcycle cover – Elegant welcome kit box with certificate of authenticity (Limited edition)

Arrow Titanium racing exhaust silencer (Euro 5, street legal) and dedicated control unit – Carbon exhaust cover

The full Special Parts range is available on the MV Agusta website