



Motorcycle Art
SINCE 1945

LXP ORIOLI

MY 2024_TECHNICAL DATA



LXP ORIOLI



LXP ORIOLI KIT: BOX IN LEGNO CON CERTIFICATO D'AUTENTICITA'

NEW
MODEL '24



BIANCO PERLA RC/
NERO METALLIZZATO OPACO



VERSIONE CON KIT DEDICATO

E10 SOLO BENZINA SENZA PIOMBO
ETANOLO FINO AL 10% DI VOLUME

* Velocità raggiungibile in pista

** Versione con kit dedicato

MY 24 - 27/10/23

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

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

Telaio principale

Telaioetto posteriore

Tre cilindri, 4 tempi, 12 valvole
Doppio albero a camme in testa, con
tenditore meccanico e bicchierini DLC
931 cm³
13.4:1
Elettrico
81 mm x 60,2 mm
91 kW (124 CV) a 10.000 giri/min

102 Nm (10,4 kgm) a 7.000 giri/min
A liquido e olio con radiatori separati

Sistema integrato di accensione-iniezione
MVICS 2.1 (Motor & Vehicle Integrated Control
System) con tre iniettori. Centralina di controllo
motore Eldor Nemo 2.2; corpo farfallato
diametro 47 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 ad 8 livelli di intervento con
sensore di assetto.

MV EAS 4.0 (Electronically Assisted Shift
Up & Down)

Multidisco in bagno d'olio a comando
idraulico

Estraibile a sei velocità con ingranaggi
sempre in presa
21/39

13/40
16/35
18/30
21/29
23/28
27/29
17/41

12 V
450 W a 5.000 giri/min
12 V - 12,6 Ah

1.610 mm
2.360 mm
980 mm
850/870 mm
230 mm
118 mm
224 kg - 220 kg**
20 l

230,0 km/h
0-100 km/h in 3.72 s

A doppia trave, composto da tubi in acciaio
alto-resistenziale e componenti forgiati.
Doppia culla avvitata in tubi d'acciaio alto-
resistenziale.

A traliccio, composto da tubi in acciaio
alto-resistenziale.

SOSPENSIONE ANTERIORE

Tipo

Ø Steli
Escursione ruota

SOSPENSIONE POSTERIORE

Tipo

Materiale forcellone

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

Accessori di serie

KIT DEDICATO**

OPTIONAL

EMISSIONI

Norma ambientale
Consumo carburante combinato
Emissioni di CO₂

Forcella Sachs oleodinamica a steli rovesciati
con sistema di regolazione esterno e separato
del freno in estensione, in compressione e
del precarico molla.

48 mm
210 mm

Link progressivo, monoammortizzatore Sachs
con idraulica regolabile in estensione, in
compressione e nel precarico molla.
Forcellone bi-braccio fuso in conchiglia in
lega di alluminio
210 mm

A doppio disco flottante (Ø 320 mm)
con fascia frenante e flangia in acciaio
Radiale monoblocco Brembo Stylema a
4 pistoncini (Ø 30 mm)
A disco in acciaio (Ø 265 mm)
Pinza freno a doppio pistone diametro 28 mm

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

A raggi tubeless con mozzo e canale in lega
di alluminio Takasago Excel 2,15" x 21"

A raggi tubeless con mozzo e canale in lega
di alluminio Takasago Excel 4" x 18"

90/90 - 21 M/C (54 Q)
150/70 - B 18 M/C (70 Q)

Termoplastici

Cruscotto TFT 7" in HD con display a colori
Connettività Bluetooth e Wi-Fi - Cruise control
Launch control - Traction Control 8 livelli
Sensore GPS - Immobilizer - Proiettore anteriore
Full led con DRL - Fanale posteriore full led
Luci fendinebbia - Paracoppa racing - Telaio
paracolpi - Mozzi ruota CNC - MV Ride App per
mirroring indicazioni di navigazione, setup
elettronico di motore e veicolo - Mobisat
antifurto con geolocalizzazione - Borse laterali
in alluminio (da 32 e 39 l.)

LXP Orioli Kit con box dedicato, contenente:
silenziatore in titanio Termignoni (omologato
Euro 5 e USA) - Fondello e paracalore
scarico in carbonio - Telo coprimoto dedicato
Certificato di autenticità (Serie Limitata)

Visita il nostro sito per conoscere tutta la
gamma delle parti speciali disponibili

Euro 5
5.6 l/100 km
130 g/km



LXP ORIOLI



WOODEN DEDICATED KIT BOX WITH
CERTIFICATE OF AUTHENTICITY

NEW
MODEL '24



RC PEARL WHITE (GLOSS)/MATT
METALLIC CARBON BLACK (GLOSS)



VERSION WITH DEDICATED KIT



* Speed attained on closed course.
**Version with dedicated kit.
Every country could have a price variation due
to local import duties and taxes.

MY 24 - 27/10/23

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

Three cylinders, 4 stroke, 12 valves
"D.O.H.C" with mechanical chain tensioner
and DLC tappets
931 cm³ (96.8 cu. in.)
13.4:1
Electric
81 mm x 60.2 mm (3.19 in. x 2.37 in.)
91 kW (124 hp) at 10.000 rpm

102 Nm (10.4 kgm) at 7.000 rpm
Cooling with separated liquid and oil radiators

Integrated ignition - injection system MVICS 2.1
(Motor & Vehicle Integrated Control System)
with three injectors. Engine control unit Eldor
Nemo 2.2, throttle body bore 47 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 eight levels of
intervention with lean angle sensor and
inertial measurement unit (IMU)

MV EAS 4.0 (Electronically Assisted Shift
Up & Down)
Wet multidisc hydraulic clutch

Cassette style; six speed, constant mesh
21/39

Electronic quick shift

Clutch

Transmission
Primary drive
Gear ratio

First gear
Second gear
Third gear
Fourth gear
Fifth gear
Sixth gear

13/40
16/35
18/30
21/29
23/28
27/29
17/41

Final drive ratio

ELECTRICAL EQUIPMENT

Voltage
Alternator
Battery

12 V
450 W at 5.000 rpm
12 V - 12.6 Ah

DIMENSIONS AND WEIGHT

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

1.610 mm (63.39 in.)
2.360 mm (92.91 in.)
980 mm (35.58 in.)
850/870 mm (33.46/34.25 in.)
230 mm (9.05 in.)
118 mm (4.64 in.)
224 kg (493.84 lbs.) - 220 kg (485.0 lbs.)**
20l (5.28 U.S. gal.)

PERFORMANCE

Maximum speed*
Acceleration*

230 km/h (143 mph)
0-100 km/h in 3.72 s

FRAME

Main frame

Double beam frame structure, composed by
high-tensile steel pipes and forged
components. Bolt on double cradle
Trellis structure, composed by high-tensile
steel pipes.

Rear frame

FRONT SUSPENSION

Type

Fork dia.
Wheel travel

Sachs "UPSIDE DOWN" telescopic hydraulic
fork with rebound - compression damping
and spring preload external and separate
adjustment.
48 mm (1.89 in.)
210 mm (8.27 in.)

REAR SUSPENSION

Type

Single sided swing arm material
Wheel travel

Progressive link, Sachs monoshock with
rebound, compression and spring preload
adjustable hydraulics.
Aluminium die cast twin sided swing arm
210 mm (8.27 in.)

BRAKES

Front brake

Front brake caliper

Rear brake
Rear brake caliper

ABS System

WHEELS

Front: Material/size

Rear: Material/size

Double floating disc with Ø 320 mm (Ø 12.6 in.)
diameter, with steel braking disc and flange
Radial-type monobloc Brembo Stylema
caliper, with 4 pistons Ø 30 mm (Ø 1.18 in.)
Single steel disc with Ø 265 mm (Ø 10.43 in.) dia
Brembo with 2 pistons - Ø 265 mm (Ø 10.4 in.)

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

Spoked, tubeless, with aluminium hub
and rim Takasago Excel 2,15" x 21"
Spoked, tubeless, with aluminium hub
and rim Takasago Excel 4" x 18"

TYRES

Front
Rear

90/90 - 21 M/C (54 Q)
150/70 - B 18 M/C (70 Q)

FAIRING

Material

Thermoplastic

CONTENTS

Included accessories

TFT 7" Full HD Dashboard - Bluetooth and
Wi-Fi connectivity - Cruise control - Launch
control - 8 level Traction Control - GPS
Immobilizer - Full led headlight with DRL
Full led tail light - Racing sump guard - Chassis
crash bar - CNC wheel hubs - MV Ride app with
turn by turn navigation system, engine and
vehicle setup - Mobisat anti-theft system
with geolocation - Aluminium side bags
(32/39 l. - 8.45/10.30 gal.)

DEDICATED KIT**

Dedicated LXP Orioli kit box, containing:
Termignoni titanium exhaust silencer (Euro 5
and USA approved) - Carbon exhaust end cap
and heat shield - Dedicated motorcycle cover
Certificate of authenticity (Limited Series)

OPTIONAL

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

EMISSIONS

Environmental Standard
Combined fuel consumption
CO₂ Emissions

Euro 5
5.6 l/100 km
130 g/km



LXP ORIOLI



WOODEN DEDICATED KIT BOX WITH
CERTIFICATE OF AUTHENTICITY

NEW
MODEL '24



RC PEARL WHITE (GLOSS)/MATT
METALLIC CARBON BLACK (GLOSS)



VERSION WITH DEDICATED KIT



* Speed attained on closed course.
**Version with dedicated kit.
Every country could have a price variation due
to local import duties and taxes.

MY 24 - 27/10/23 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

Three cylinders, 4 stroke, 12 valves
"D.O.H.C" with mechanical chain tensioner
and DLC tappets
931 cm³ (96.8 cu. in.)
13.4:1
Electric
81 mm x 60.2 mm (3.19 in. x 2.37 in.)
91 kW (124 hp) at 10.000 rpm

102 Nm (10.4 kgm) at 7.000 rpm
Cooling with separated liquid and oil radiators

Integrated ignition - injection system MVICS 2.1
(Motor & Vehicle Integrated Control System)
with three injectors. Engine control unit Eldor
Nemo 2.2, throttle body bore 47 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 eight levels of
intervention with lean angle sensor and
inertial measurement unit (IMU)

MV EAS 4.0 (Electronically Assisted Shift
Up & Down)
Wet multidisc hydraulic clutch

Cassette style; six speed, constant mesh
21/39

Electronic quick shift

Clutch

Transmission
Primary drive
Gear ratio

First gear
Second gear
Third gear
Fourth gear
Fifth gear
Sixth gear

13/40
16/35
18/30
21/29
23/28
27/29
17/41

Final drive ratio

ELECTRICAL EQUIPMENT

Voltage
Alternator
Battery

12 V
450 W at 5.000 rpm
12 V - 12.6 Ah

DIMENSIONS AND WEIGHT

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

1.610 mm (63.39 in.)
2.360 mm (92.91 in.)
980 mm (35.58 in.)
850/870 mm (33.46/34.25 in.)
230 mm (9.05 in.)
118 mm (4.64 in.)
224 kg (493.84 lbs.) - 220 kg (485.0 lbs.)**
20l (5.28 U.S. gal.)

PERFORMANCE

Maximum speed*
Acceleration*

230 km/h (143 mph)
0-100 km/h in 3.72 s

FRAME

Main frame

Double beam frame structure, composed by
high-tensile steel pipes and forged
components. Bolt on double cradle
Trellis structure, composed by high-tensile
steel pipes.

Rear frame

FRONT SUSPENSION

Type

Fork dia.
Wheel travel

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

Included accessories

DEDICATED KIT**

OPTIONAL

Sachs "UPSIDE DOWN" telescopic hydraulic
fork with rebound - compression damping
and spring preload external and separate
adjustment.
48 mm (1.89 in.)
210 mm (8.27 in.)

Progressive link, Sachs monoshock with
rebound, compression and spring preload
adjustable hydraulics.
Aluminium die cast twin sided swing arm
210 mm (8.27 in.)

Double floating disc with Ø 320 mm (Ø 12.6 in.)
diameter, with steel braking disc and flange
Radial-type monobloc Brembo Stylema
caliper, with 4 pistons Ø 30 mm (Ø 1.18 in.)
Single steel disc with Ø 265 mm (Ø 10.43 in.) dia
Brembo with 2 pistons - Ø 265 mm (Ø 10.4 in.)

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

Spoked, tubeless, with aluminium hub
and rim Takasago Excel 2,15" x 21"
Spoked, tubeless, with aluminium hub
and rim Takasago Excel 4" x 18"

90/90 - 21 M/C (54 Q)
150/70 - B 18 M/C (70 Q)

Thermoplastic

TFT 7" Full HD Dashboard - Bluetooth and
Wi-Fi connectivity - Cruise control - Launch
control - 8 level Traction Control - GPS
Immobilizer - Full led headlight with DRL
Full led tail light - Racing sump guard - Chassis
crash bar - CNC wheel hubs - MV Ride app with
turn by turn navigation system, engine and
vehicle setup - Mobisat anti-theft system
with geolocation - Aluminium side bags
(32/39 l. - 8.45/10.30 gal.)

Dedicated LXP Orioli kit box, containing:
Termignoni titanium exhaust silencer (Euro 5
and USA approved) - Carbon exhaust end cap
and heat shield - Dedicated motorcycle cover
Certificate of authenticity (Limited Series)

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