SUPERLEGGERA V4

Dreams Matter
Superleggera V4 is a project that can only be implemented in Borgo Panigale, Bologna, at Ducati Motor Holding. It is a project where excellence, engineering and dreams come together in a direction that is as aspirational as it is performative. It is such an ethereal and yet so extremely concrete project, made of matter, sounds, futuristic technologies, speed and very strong emotions.
Superleggera V4 is the most powerful, the fastest and the most technologically advanced production Ducati ever.
Limited and numbered
500 units only
Great attention for details
Ignition key with lasered bike number on aluminum insert
Great attention for details
Special racing kit box
Great attention for details
Special wooden crate
Great attention for details
Welcome gift dedicated to the owners
Chassis
Full carbon fibre chassis
The world’s only homologated bike with a carbon fibre chassis
Full carbon fibre chassis
The world’s only homologated bike with a carbon fibre chassis

Quality controls
- Active Transient Thermography
- Ultrasonic Phased Array
- Computed Axial Tomography
Full carbon fibre chassis
Carbon fibre Front Frame

- 1,2 kg (- 2.6 lb)

Vs Panigale V4
Full carbon fibre chassis

Carbon fibre wheels

- 3.4 kg (- 7.5 lb)

Vs Panigale V4
Full carbon fibre chassis
Carbon fibre swing-arm

- 0.9 kg (- 2.0 lb)
Vs Panigale V4
Full carbon fibre chassis
Carbon fibre rear sub-frame

- 1,2 kg (- 2.6 lb)

Vs Panigale V4
Chassis components
High spec brakes

Stylema R callipers
pistons with radiators and new pistons coating

Constancy of the lever stroke
during a long-run in racetrack
Chassis components

High spec brakes

MCS master cylinder with remote adjuster

Machined levers
Chassis components
High spec Öhlins suspension

Pressurized NPX25/30
with milled bottom end
Chassis components
High spec Öhlins suspension

TTX36 shock
with titanium spring

GP valves
Reduce «gluing effect and improve bump absorption in the initial damping phase»

- 0.6 kg (-1.3 lb)

Öhlins fork and shock Vs Panigale V4
Chassis components
High spec final transmission parts

Aluminum rear sprocket
Titanium wheel nuts
Regina ORAW2
racing chain

- 1.4 kg (- 1.3 lb)
Vs Panigale V4
Chassis components
Milled componentry

Milled rear suspension link
Milled footrests and levers

- 0.3 kg (- 0.7 lb)

Milled chassis components Vs Panigale V4
Chassis components
Pirelli tailored DIABLO SUPERCORSA SP COLOR EDITION

PIRELLI tailored DIABLO SUPERCORSA™ SP COLOR EDITION tyres for DUCATI SUPERLEGGERA V4 to cope the extraordinary performance of V4 engine and to exploit the winglet downforce, offering a technological breakthrough in street legal tyres:

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>BENEFIT</th>
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<tbody>
<tr>
<td>Redesigned Ply-line</td>
<td>Progressive support in corner entry to manage the winglet downforce</td>
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<td></td>
<td>Broad ledge for lateral grip</td>
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<td>New generation profiles</td>
<td>Assisted lean feeling</td>
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<td></td>
<td>Enhanced Riding easiness</td>
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<td></td>
<td>Harmonious behaviour of the set</td>
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</table>
Engine
Desmosedici Stradale R light version

The lightest and the most powerful Desmosedici Stradale

224 hp* @15.250 rpm
116 Nm* @11.750 rpm
2,8 kg (- 6.2 lb)

Vs Panigale V4

*EU homologation data
Desmosedici Stradale R light version
Road legal Akrapovič silencer

Akrapovič silencer in titanium

Titanium manifolds

-2,5 kg (-5.5 lb)

Vs Panigale V4
Desmosedici Stradale R light version
Lightweight components
Racing kit supplied with the bike

Akrapovič full racing exhaust

234 hp
@15,500 rpm

119 Nm
@11,750 rpm

6.0 kg (-13.3 lb)

Vs Panigale V4
Desmosedici Stradale R light version
Desmodromic system manually hand-set
Electronics
Electronic rider aids
Latest generation riding control strategies

ABS Cornering EVO
Ducati Traction Control (DTC) EVO 2
Ducati Slide Control (DSC)
Ducati Wheelie Control (DWC) EVO
Ducati Power Launch (DPL)
Ducati Quick Shift up/down (DQS) EVO 2
Engine Brake Control (EBC) EVO
Variable torque saturation in 1\textsuperscript{st} - 2\textsuperscript{nd} gear
Perfect match between thrust on ground and bike wheelie limit
Riding controls
Ducati Traction Control EVO 2

DTC EVO 2 derived from GP18 acts in a "predictive" way. It considers the spin intensity variation combined with instantaneous spin value.

DTC intervention is faster and smoother, reduces the spin oscillation improving the vehicle stability and acceleration.
New Riding Mode strategy
Reprogrammed and renamed Riding Modes

Race A
Full potential of the bike on track

Race B
Reduced torque delivery in gears 1 and 2

Sport
Optimized performance for the road

5 user Riding Modes
For saving rider preferred settings
RaceGP Dash Mode
Activated by mounting racing exhaust engine map

Desmosedici GP20 dashboard derived
Immediate track info overview
Track only
Ducati Lap Timer GPS
EVO 2 system version

60 laps and 6 sessions recordable

Best intermediate and best lap functionalities

5 circuits coordinates storable

Pin Code
Lap
Circuits
Backlight
Date and Clock
Aerodynamics
Aero Package
Aerodynamic fairing in carbon fibre

- 1.1 kg (-2.4 lb)

Vs Panigale V4
Aero Package
Biplane wings

Desmosedici GP16
derived configuration

High efficiency
superior than Desmosedici GP19
Aero Package
Biplane wings in details

- Strake
- Flap
- Tip Winglets
- Louvers
Aerodynamics
Aero Package – vertical force by speed

Vertical force on straight line [kg]

<table>
<thead>
<tr>
<th>Speed [km/h]</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>270</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>7</td>
<td>15</td>
<td>27</td>
<td>42</td>
<td>50</td>
<td>61</td>
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</tbody>
</table>
Aerodynamics
Aero Package – vertical force by speed

Vertical force on straight line [kg]

Speed [km/h]

- 50
- 100
- 150
- 200
- 250
- 270
- 300

- SUPERLEGGERA V4
- PANIGALE V4 2020
Aero Package
Rider benefits

Great stability during braking, cornering, exit phase

Low tendency to wheelie

Low front wheel “floating” at high speed

Lap time reduction
Aero Package

Rider benefits – gain of meters in acceleration

<table>
<thead>
<tr>
<th>Model</th>
<th>Acceleration (from 50 km/h)</th>
<th>Top Speed (km/h)</th>
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<tbody>
<tr>
<td>2019 Panigale V4</td>
<td></td>
<td>250 km/h</td>
</tr>
<tr>
<td>2020 Panigale V4</td>
<td>4,5 mt</td>
<td>251.8 km/h</td>
</tr>
<tr>
<td>2020 Panigale V4 + «SL V4» Aero Pack</td>
<td>6,0 mt</td>
<td>250.1 km/h</td>
</tr>
<tr>
<td>Superleggera V4 with racing kit</td>
<td>9,0 mt</td>
<td>255.8 km/h</td>
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</tbody>
</table>

straight simulation @Jerez de la Frontera circuit, 7s of acceleration from 50 Km/h
Performance
Power/dry weight ratio
Record-breaking figure – OEM configuration

224 hp
@15,250 rpm

159 kg (350.5 lb)
16 kg (-35.3 lb) vs Panigale V4

1,41 hp/kg ratio
Racing Kit

Complete Akrapovič titanium racing exhaust
Open carbon fibre clutch cover
Carbon fibre swingarm cover
Headlight/tail light replacement kit
Plate holder removal kit
Kickstand removal kit
Billet aluminium mirror replacement plugs
Ducati Data Analyser+ GPS (DDA+ GPS)
Racing filler cap
Brake lever guard
Bike cover

Additional equipment includes also: front and rear paddock stands, battery charge maintainer
Power/dry weight ratio
Record-breaking figure – racing configuration

234 hp
@15,500 rpm

152.2 kg (335.5 lb)

1.54 hp/kg
ratio
Performance data comparison

Power/weight ratio

Weight configuration: all fluids + 5 kg of fuel + racing kit + rider
<table>
<thead>
<tr>
<th>Motorcycle</th>
<th>Best Lap Time</th>
<th>Tires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panigale V4 R SBK</td>
<td>1'50''30</td>
<td>Diablo SBK 125/70; 200/65</td>
</tr>
<tr>
<td>Superleggera V4</td>
<td>1'52''45</td>
<td>Diablo SBK 125/70; 200/65</td>
</tr>
<tr>
<td>1299 Superleggera</td>
<td>1'54''18</td>
<td>Diablo SBK 120/70; 200/60</td>
</tr>
<tr>
<td>1199 Superleggera</td>
<td>1'54''80</td>
<td>Diablo SBK 120/70; 200/60</td>
</tr>
</tbody>
</table>

Michele Pirro best lap on race
A. Valia with racing kit
A. Valia with racing kit
Premium leather suit by Dainese
Carbon fibre helmet by Arai
Riding Experience
SBK experience
Available for all Superleggera V4 customers
MotoGP experience
Available for 30 Superleggera V4 customers only
Start of production
Crafting the Dream
Production of #001/500 Superleggera V4