

A close-up, low-angle shot of the rear light assembly of an Aprilia Dorsoduro 750 ABS. The central brake light is a large, rectangular, red-lensed unit with a grid of small LED elements. On either side are two large, teardrop-shaped taillights with red lenses and glowing orange-yellow inner rings. The entire assembly is mounted on a dark, metallic frame. The background is dark and out of focus.

**aprilia®**

**DORSODURO 750 ABS  
MY14 Product Guide**

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## MISSION

*“The motorcycle is the ultimate toy, a pleasure and a vice that we offer ourselves for pure enjoyment and sole satisfaction in the few free moments that modern life allows us to dedicate to ourselves.”*





# POSITIONING...

## POSITIONING

A fun bike, distinctive, exclusive, and lightweight, with a clearly aggressive look. Conceived for the expert user, and developed for maximum effect.

A production soft-motard, developed from Aprilia's experience with the bike that won the World Supermotard Championship and that revolutionized Off Road riding by introducing the first ever twin cylinder engine in the category.

## ITALIAN LOOK AND FEEL

Premium components and refined design

- ✓ Ride by Wire
- ✓ Trellis frame
- ✓ Matrix display

## FUN

Easy power slides and wheelies

- ✓ Aluminium swingarm
- ✓ Great manoeuvrability

## DISTINCTIVENESS

A bike that is not for everyone (requires courage, sporting passion and above all riding experience)

- ✓ Seat height (870 mm)
- ✓ 750 cc engine (92 hp)
- ✓ Agile chassis (genuine motard wheelbase of 1505 mm)

## Aprilia's SPORTING DNA

- ✓ Wave discs and Aprilia radial calipers
- ✓ 43 mm upside down fork

## POSITIONING

The engine, frame and electronics are all Italian:



- ✓ The **engine** is designed by Aprilia
- ✓ The **frame** is designed by Aprilia
- ✓ The **electronics** are all Italian
- ✓ The bike was developed on  
**Italian roads and circuits**





# FROM RACER... TO RIDER

## POSITIONING

Aprilia's experience in the Supermotard World Championship has been condensed into a motorcycle capable of blending **genuine motard performance with the reliability, comfort, accessibility and superb easy riding of a road bike.**

The technical basics (engine and frame) are designed for maximum flexibility and for the ability to excel in a variety of roles and in a number of different uses.

**VAN DEN BOSCH REPLICA**  
Professional racer



**SXV 450/550**  
Amateur racer



**DORSODURO 750 ABS**  
Road rider





# TYPE OF USE/RIDER PROFILE

## TYPE OF USE/RIDER PROFILE

- ✓ Typical duration of insurance policy: 6 months
- ✓ Miles/year: 1,200 to 3,000 miles (2.000 – 5.000 Km)
- ✓ Parking place: garage
- ✓ Main use: weekends and evenings

The Dorsoduro is intended as a mean of **leisure time escapism, fun, and pure undiluted enjoyment.**

The Dorsoduro is designed for riders who **seek** a rush of adrenalin and have no particular desire to share it with others, or to have others lessen the excitement, in any way. However it comes with passenger foot pegs.

## TYPE OF USE/RIDER PROFILE

✓ Riders who want to lead fashion and not follow it.

Price is not a primary choice factor

✓ Fundamentally a bike to show off

### **Target - male, well off, single (35-40 years old)**

- ✓ Conscious of style, design and looks
- ✓ Wants to enjoy riding a "different" bike
- ✓ Buys things that satisfy the senses
- ✓ Not sensitive to price (puts product and service quality before discounts)
- ✓ Fun and excitement are "solitary" because they cannot be compromised

### **Look - trendy**

- ✓ Attentive to finish and details
- ✓ Wants accessories to make his bike even more personal



## DESIGN

The bike's design emphasizes Aprilia's sporting spirit and its racing DNA (Aprilia is Supermotard World Champion).

The bike exudes a clear supermotard identity: **decisive, essential, lightweight, agile, and fun to ride.**

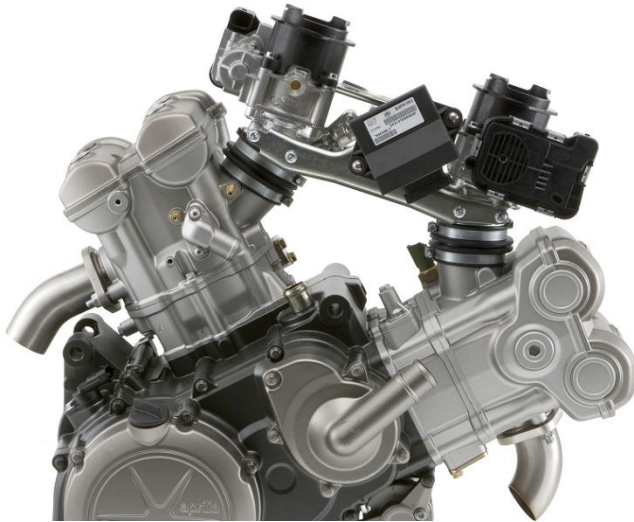
aprilia Centro Stile

- ✓ Sleek, essential, and streamlined lines blend the fuel tank into the upper frame
- ✓ The **engine** is fully visible, cylinder heads included
- ✓ The **modular frame** features a narrow steel trellis and aluminium side members
- ✓ The **under-seat exhaust** incorporates an in-tail silencer
- ✓ The **racing swingarm** is in shell-cast aluminium



# SEVEN FIFTY TWIN ENGINE

## PERFORMANCE



**Aprilia 750 cc longitudinal  
90° V twin four stroke.  
Liquid cooled, with  
double overhead  
camshaft with mixed  
gear/chain drive;  
four valves per cylinder.**



- ✓ Racing technology derived engine mapping for increased torque at lower revs rather than extreme top end power gives far more effective power.
- ✓ 92 HP is more than enough to rival or beat bikes with far larger engines.
- ✓ Ride-by-Wire electronic throttle control lets you select between **three different power modes (sport, touring, rain)**, placing exactly the right response at your finger tips at all times.

The engine has been **tuned** by Aprilia's engineers to deliver **maximum fun - always**.

### ***THE BENEFITS OF A RIDE-BY-WIRE THROTTLE***

The Dorsoduro is equipped with a 2nd generation Ride-by-Wire electronic throttle. The power mappings are **specially calibrated** to adapt the engine to the Dorsoduro's ratios (which are lower than those of the Shiver 750), and to **boost torque at low revs**.

- ✓ The two cylinders are **automatically** compensated and balanced (with one motorized throttle valve per cylinder)
- ✓ **Anti-jerk control** (to prevent jerking when the throttle is opened and closed)
- ✓ **Torque output** is controlled to suit the gear selected, engine speed, and throttle grip opening/closing speed
- ✓ **Engine overspeed control** with torque limiting function
- ✓ **Optimized** exhaust emissions
- ✓ **Optimized** noise emissions

## PERFORMANCE

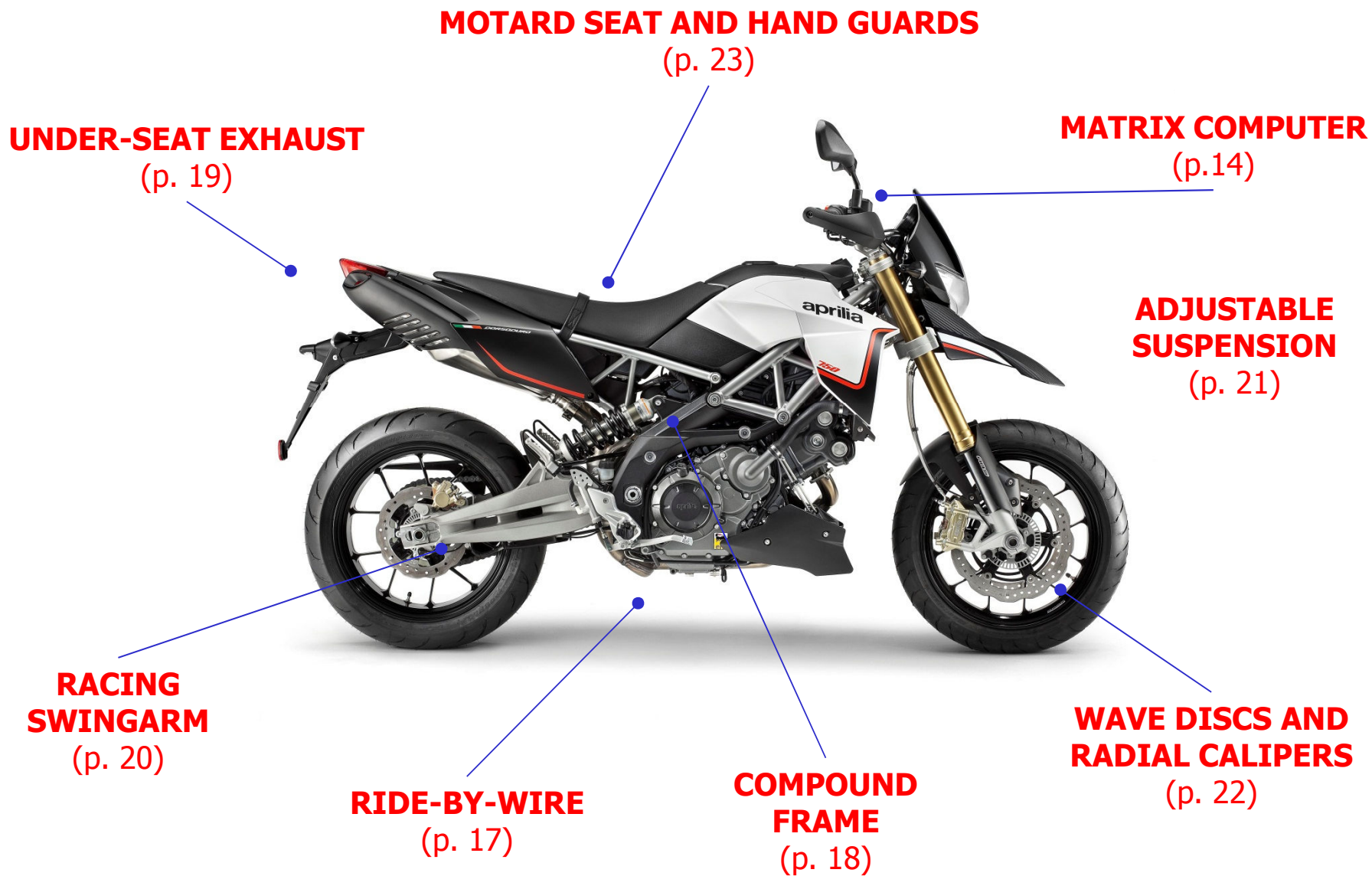
The frame of the Dorsoduro was developed from scratch. The Shiver-derived aluminium side members combine with a narrow trellis that lets you keep the bike firmly **gripped between your legs**. This advanced frame technology is the result of know-how that Aprilia has acquired from the Supermotard World Championship, which it has dominated for a number of years with its superior performance motorcycles.

The rear **monoshock** is **laterally positioned** for a precise technical reason. This solution allows the **exhaust collector pipes** to follow the ideal path without affecting the length of the bike.



# SUCCESS FACTORS

## EQUIPMENT



## EQUIPMENT

The **ultra-compact and modern** Matrix instrument panel receives all its information over the **CAN line** and incorporates its own **digital memory** to allow it to act as an **integral part of the self-diagnostics system**.

The LED backlighting **can be adjusted** to three levels of brightness and is white in the analog area and red in the digital area.

All functions can be accessed by means of a **handlebar control**.

The display provides a complete and exhaustive set of information.





## EQUIPMENT

### Warning lights and indicators

- ✓ Right turn direction indicator
- ✓ Left turn direction indicator
- ✓ Dipped beam indicator
- ✓ Generic fault warning light
- ✓ Fuel reserve warning light
- ✓ ABS warning light

- ✓ **The rider operates the Matrix display from the Mode control on the left of the handlebars.**

### LCD display

- ✓ Ambient temperature
- ✓ Clock
- ✓ Chronometer (selectable from the menu as an alternative to ambient temperature and clock display)
- ✓ Engine temperature bar
- ✓ Side stand warning light
- ✓ Odometer
- ✓ Instantaneous fuel consumption
- ✓ Trip logs 1 and 2 (trip counter, trip time, top speed, average speed, average consumption)

- ✓ **TRI-MAP**



## EQUIPMENT

You can choose between 3 different mappings

**"Sport"** - for situations in which you want to have **"instant response"**

**"Touring"** - for fast roads that demand **smooth progressive power.**

**"Rain"** - for easy control on wet roads and under **slippery conditions.**

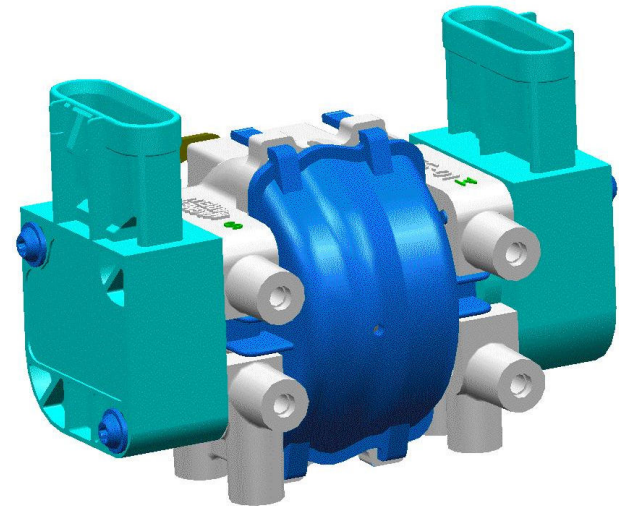
All you need do to choose the mapping you want is select it on the practical right hand thumb control. (The throttle must be closed but mappings can be changed with the bike in motion.) You will feel the change in power delivery as soon as you re-open the throttle. And you can change mapping again until you find the right mode for the current road conditions.





## EQUIPMENT

Electronic throttle control **optimises** throttle opening on the basis of **engine speed, gear selection, throttle grip position and rotation speed, and atmospheric temperature and pressure.**

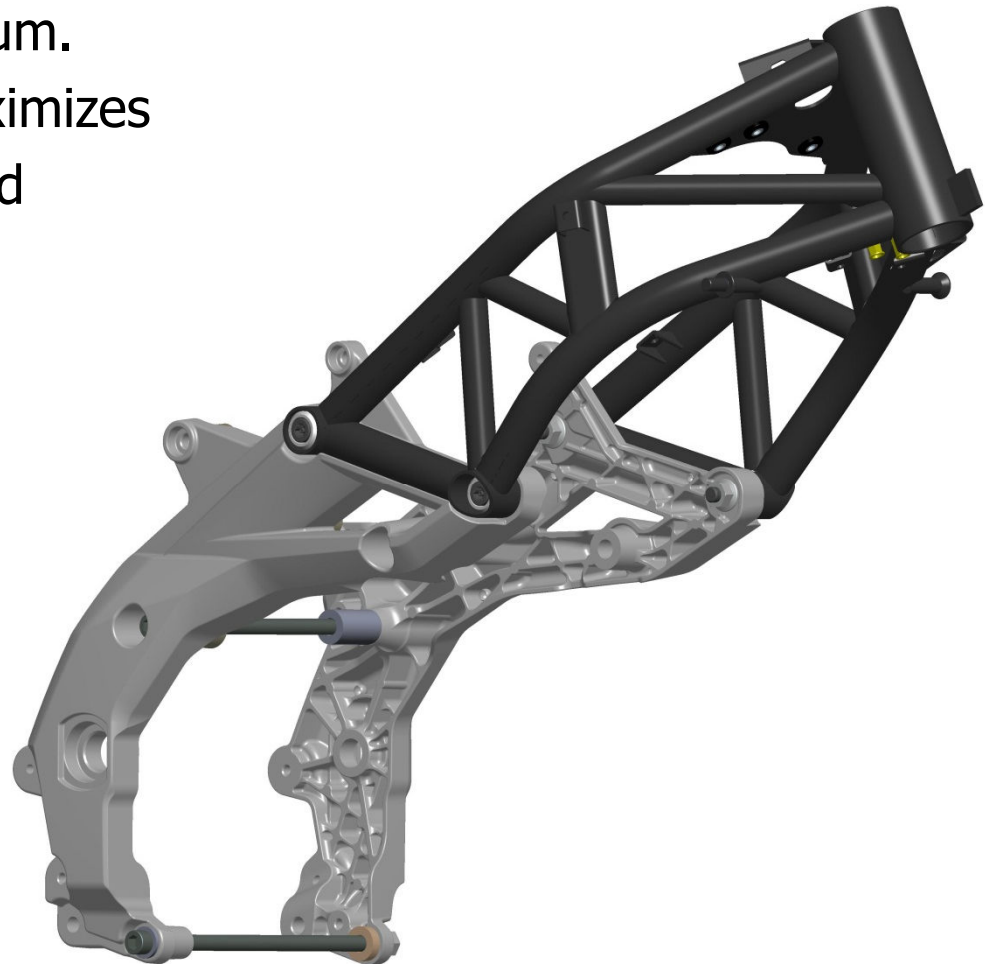


A new calibration ensures **better torque** at low revs for pure **FUN.**

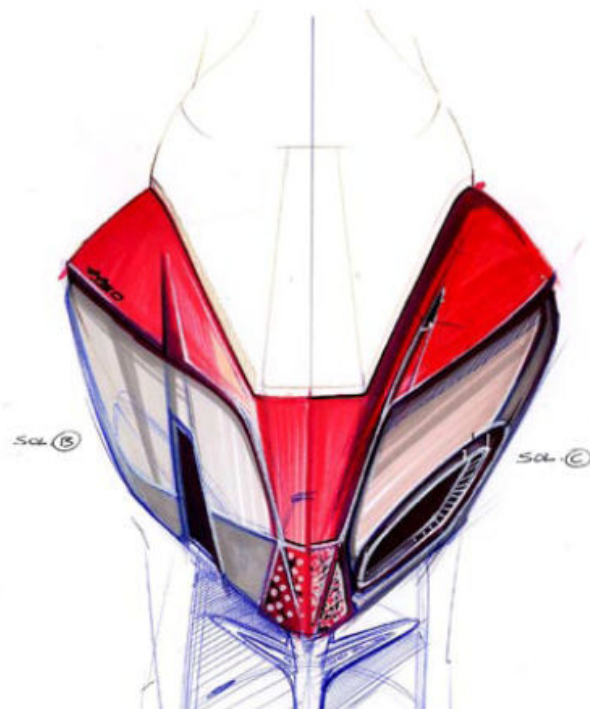
The backbone of the Dorsoduro and the secret behind its **amazing ride** is a race-derived **frame** in steel and aluminium.

The narrow steel trellis maximizes **motard riding control** and

lets you keep the bike firmly gripped between your legs. The result is **fantastic agility, precision control, and a more effective, fun ride.**



The under-seat exhaust emphasizes the Dorsoduro 750's **essential, high-tech design**, and also helps in **centralizing mass** and ensuring optimal weight distribution, to the benefit of **dynamic balance** and **rideability**.



The **aluminium swingarm** is made using **shell-casting**, a production technology that gives a significant reduction in weight (-3 kg compared to the Shiver), as well as **greater elasticity**.

This contributes to **more precise control** and a more **responsive rear end**.

A lighter swingarm also means improved response from the rear shock absorber.





## EQUIPMENT

### FRONT

Upside-down fork with **rebound damping adjustment** (on left leg) and spring preload adjustment (on both).



### REAR

**laterally mounted monoshock** with rebound damping adjustment and spring preload adjustment.

## EQUIPMENT

Performance is in the Dorsoduro's DNA, as its braking system shows:

- ✓ Two 320 mm wave discs with 4-pot radial calipers at the front ensure **maximum braking power and safety**. Even the rear brake features a 240 mm wave disc.
- ✓ The 43 mm **upside-down fork** has a **superb sliding action**. A wheel travel of 160 mm (6.3 inches) lets you tackle any type of road without worries.
- ✓ The brake hoses are **metal braided** for greater sensitivity and **braking control**.
- ✓ Two-channel ABS system

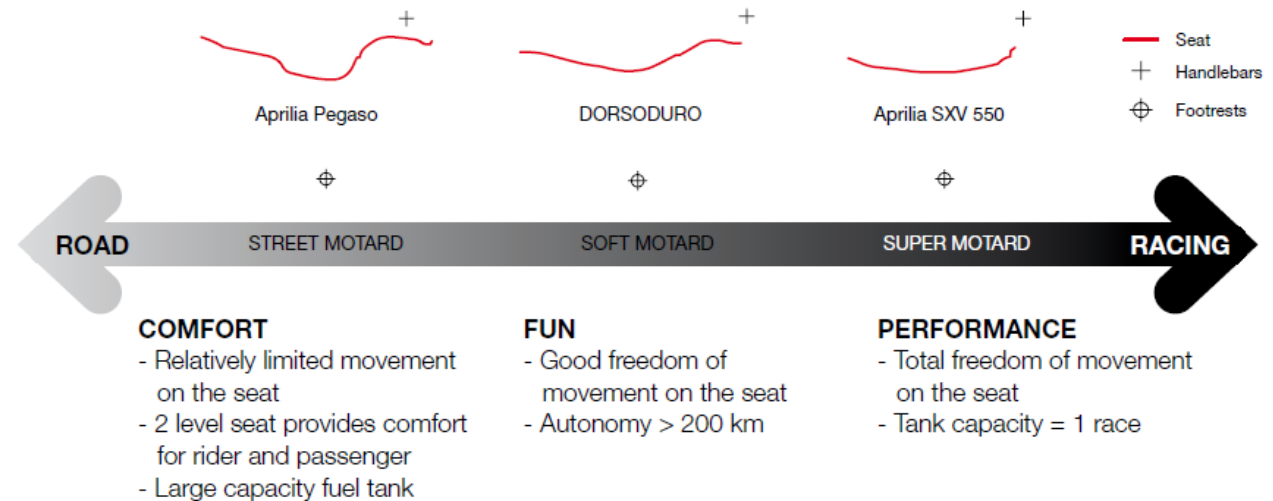


The **latest race technology** means greater **safety** on everyday roads. Braking is **powerful yet controllable**.

# MOTARD SEAT AND HAND GUARDS

## EQUIPMENT

**SEAT** The seat is typical of the world of racing from which it is derived. It allows **total freedom of movement**, letting you move backwards and forwards to perform wheelies and control power slides.



## HAND GUARDS

This stylistic and functional feature derived from the world of **supermotard racing** is fitted as standard.

# DORSODURO vs HYPERMOTARD

## EQUIPMENT



## PLUS

### ENGINE

750 cc twin with 4 valve heads and liquid cooling, 3 power MAPS

### POWER

92 hp at 8,750 rpm (122.7 hp/litre)

### TORQUE

61 lb. Ft. at 4,500 rpm (11 kgm/litre)

### ENGINE

821 cc L-Twin cylinder, 4 valve per cylinder, Desmodromic, liquid cooling, power MAPS and TC

### POWER

110 hp at 9,250 rpm (133.9 hp/litre)

### TORQUE

65 lb. Ft. at 7,750 rpm (11 kgm/litre)

The engine boasts race-derived technology, high power, thanks to liquid cooling and 4 valve heads.

### BRAKES

Front: 2 x 320 mm wave discs with radial calipers

Rear: 240 mm wave disc

ABS: Continental 2-channel ABS system

### BRAKES

Front: 2 x 320 mm semi-floating discs with monobloc radial calipers

Rear: 245 mm disc

ABS: Bosch 9MP ABS

The racing brakes use lighter but more powerful discs.

### CLUTCH

Hydraulically operated wet clutch

### CLUTCH

Slipper and self-servo wet multiplate clutch mechanically operated

More sensitive, quieter and longer lasting.

### INSTRUMENTATION

Matrix multifunctional computer

### FUEL INJECTION

Ride-by-Wire with TRI-MAP

### INSTRUMENTATION

Matrix multifunctional computer

### FUEL INJECTION

Ride-by-Wire with TRI-MAP

All the information you need, plus the possibility of selecting 3 different mappings. Advanced electronics at the service of pure fun riding.

### ERGONOMICS

Seat height 870 mm

Wheelbase 1,505 mm

Rake angle 26°

MOTARD DIMENSIONS

### ERGONOMICS

Seat height 870 mm

Wheelbase 1,500 mm

Rake angle 25,5°

Supermotards are identified by precise chassis dimensions: wheelbase > 1,500 mm, tall seat (high centre of gravity), higher angle of rake for greater agility and directional control compared to classic road bikes. EXPERIENCE WITH SXV





# COLORS

MY 14 COLORS

Matte White





# COLORS

MY14 COLORS

Fluo Red



## TECHNICAL DATA

<b>Engine</b>	Aprilia V90, liquid cooled, longitudinal 90° V twin four stroke. Double overhead camshaft with mixed gear/chain drive; four valves per cylinder
<b>Bore and stroke</b>	92 x 56.4 mm
<b>Displacement</b>	749.9 cc
<b>Compression ratio</b>	11:1
<b>Max. power at crank</b>	67.3 kW (92 HP) at 8,750 rpm
<b>Max. torque at crank</b>	61 lb. Ft. (82 Nm) at 4,500 rpm
<b>Fuel system</b>	Integrated electronic engine management system. Fuel injection with ride-by-wire electronic throttle control
<b>Ignition</b>	Digital electronic, integrated in the fuel injection system.
<b>Starting</b>	Electric
<b>Exhaust</b>	Two into one in 100% stainless steel with three-way catalytic converter and Lambda probe.
<b>Alternator</b>	450 W at 6,000 rpm
<b>Lubrication</b>	Wet sump
<b>Gearbox</b>	6 speed. Ratios: 1° 14/36 (2,57), 2° 17/32 (1,88), 3° 20/30 (1,5) 4° 22/28 (1,27), 5° 23/26 (1,13), 6° 24/25 (1,04)
<b>Clutch</b>	Hydraulically operated multi-plate wet clutch
<b>Primary drive</b>	Spur gears. Transmission ratio: 38/71 (1.87)
<b>Final drive</b>	Chain. Transmission ratio: 16/46



# TECHNICAL DATA

## TECHNICAL DATA

<b>Frame</b>	Modular frame with steel trellis secured to aluminium side plates by high strength bolts. Detachable rear frame.
<b>Front suspension</b>	43 mm upside-down fork. Wheel travel 160 mm.
<b>Rear suspension</b>	Aluminium alloy swingarm. Monoshock with adjustable hydraulic rebound and spring preload. Variable pitch spring. Wheel travel 150 mm
<b>Brakes</b>	Front: Two 320 mm stainless steel wave discs. Four-piston radial calipers Rear: 240 mm stainless steel wave disc. Single piston caliper. Metal braided brake line Two-channel ABS system.
<b>Wheels</b>	Aluminium alloy. Front: 3.50 x 17"; Rear: 6.00 x 17"
<b>Tyres</b>	Radial tubeless. Front: 120/70 ZR 17, Rear: 180/55 ZR 17
<b>Dimensions</b>	Overall length: 2,216 mm Overall width: 905 mm (at handlebars) Overall height: 1,185 mm (at instruments) Seat height: 870 mm Wheelbase 1,505 mm Trail: 108 mm Rake angle 25,8°
<b>Dry weight</b>	410 lbs. (186 Kg)
<b>Fuel tank</b>	3.7 gal. (12 litres) (autonomy 125 miles / 200 km)



# ACCESSORIES

## ACCESSORIES



CLUTCH CASE  
PROTECTION KIT



SIDE CASE RACKS



GOLD CHAIN



APRILIA IRON  
GUARD 10-150 MM



SLIP-ON E3 MUFFLERS  
BY ARROW



RIDER FOOTREST  
RUBBERS



APRILIA IRON  
GUARD DISK 5 MM



SADDLE BAG



ALLUMINIUM BRAKE  
LEVEL



TANK SIDE BAGS  
(PAIR)



ADJUSTABLE REAR  
MONOSHOCK



ALLUMINIUM CLUTCH  
LEVEL



SEMI RIGID SIDE  
CASES



ERGAL 46 TEETH  
SPROCKET



WHEEL SPINDLE CRASH  
BOBBINS

## ACCESSORIES



RIDER RACING  
FOOTPEGS



PASSENGER GRAB  
HANDLE



BIKE COVER



ADJUSTABLE  
NUMBER PLATE  
HOLDER



ERGAL 47 TEETH  
SPROCKET



TANK COVER



HOMOLOGATED RH  
MIRROR IN  
ALLUMINIUM



HOMOLOGATED LH  
MIRROR IN  
ALLUMINIUM



TANK BAG



BRAKE FLUID  
RESERVOIR COVER



ERGAL 48 TEETH  
SPROCKET



CLUTCH FLUID  
RESERVOIR COVER



SIDE FAIRING  
PROTECTORS IN  
NYLON

## F.A.Q.

### GENERAL

1. Why choose a 750 cc engine?
2. What make is the engine?
3. Is the frame the same as an Off Road frame?
4. Why is the Dorsoduro not a bike for all?

### PERFORMANCE

5. What is the figure for horsepower? And torque?
6. What does Ride-by-Wire throttle control do?
7. What do you mean when you say that the Dorsoduro has "accessible performance"?
8. What are the benefits of a hydraulically operated clutch?

### CHASSIS

9. Why do WAVE discs and radial calipers offer added value on a soft-motard?
10. Why are the Dorsoduro's frame and swingarm so prestigious?
11. Why is the monoshock mounted to one side?

### USE

12. Is the Dorsoduro faster than the competition?
13. Why is it a single seater?
14. Why is it called Dorsoduro?



# F.A.Q. (Frequently Asked Questions)

## F.A.Q.

### QUESTION

### ANSWER

1. Why choose a 750 cc engine?

An engine size of 750 cc offers the ideal mix of performance, ridability, excitement, safety, usability and price. The choice of a 90° V twin design maximises these characteristics.

2. What make is the engine?

The engine is 100% Italian. It was designed by Aprilia engineers and developed by Aprilia testers.

3. Is the frame the same as an Off Road frame?

The frame is completely new and features an innovative mixed design. The steel trellis and aluminium side members are held together by special bolts. The concept is the same as that applied to Off Road racing bikes. This high-tech frame delivers ridability, lightness and beauty.

4. Why is the Dorsoduro not a bike for all?

The Dorsoduro is not aimed at the novice rider but at the experienced rider in search of a bike that can deliver fun and excitement, a bike that offers great directional control, agility, effectiveness, and precision response to rider input, and promotes an active riding style involving the whole body. The high centre of gravity and long wheelbase are typical of competition supermotards, and are the dimensions that ensure precise control and great responsiveness. The equipment on the Dorsoduro emphasises the bike's mission: PLAY HARD!





## F.A.Q. (Frequently Asked Questions)

### F.A.Q.

#### QUESTION

#### ANSWER

5. What is the figure for horsepower?

Maximum power is 92 horsepower. A record amount of torque is available at only 4,500 rpm. The specific torque (kgm/l) on the Dorsoduro is better than that of any competing model. The engine is a V twin, meaning that power is always on tap. There is no need to rev high to get it. Just turn the throttle and the engine develops tremendous pull even at low revs, guaranteeing constant and impressive torque.

6. What does Ride-by-Wire throttle control do?

Ride-by-Wire throttle control gives you exactly the right torque with no wasted power. The right power is delivered at all times, whether you are riding in town (more fluid), or powering out of a bend with the throttle fully open (more decisive).

7. What do you mean when you say that the Dorsoduro has "accessible performance"?

Aprilia's R&D department was given the task of taking race-refined technology and making it usable for the everyday rider. The result is a reliable and effective motorcycle, with real motard chassis but all the accessibility of a road bike. This means that it is easy to take the Dorsoduro to the limit whenever you want to enjoy yourself.

8. What are the benefits of a hydraulically operated clutch?

The hydraulically operated clutch is an advanced technical solution that ensures a consistently precise action and exceptional smoothness. The clutch also offers the benefit of being self-adjusting and completely maintenance free.

9. Why do WAVE discs and radial calipers offer added value on a soft-motard?

WAVE discs are derived from the world of racing. They are lighter but more efficient than the conventional solutions used by the competition. Radial calipers deliver superior braking power compared to conventional calipers. The whole braking system is designed and made for progressive yet precise braking control.

## F.A.Q. (Frequently Asked Questions)

### F.A.Q.

#### QUESTION

#### ANSWER

10. Why are the Dorsoduro's frame and swingarm so prestigious?

The frame side members and the swingarm are made from aluminium, the material used for top of the range Italian bikes and racing bikes. The lightness of the frame combined with its rigidity give superior riding characteristics while aluminium ensures lasting beauty.

11. Why is the monoshock mounted to one side?

The path of the exhaust through the centre of the swingarm, where rear monoshocks are normally mounted, allows the silencer to be located under the seat, benefiting the style and overall balance of the bike. The prestigious aluminium swingarm allows the monoshock to be offset to one side without affecting the Dorsoduro's superb handling.

12. Is the Dorsoduro faster than the competition?

Performance indicators (hp/l and kg/l) point to the fact that the Dorsoduro offers ideal performance. The decision to equip the Dorsoduro with a 750 cc V twin was taken for a precise reason: NO COMPROMISE!

13. Why is it a single seater?

The Dorsoduro is a bike for true riding pleasure, designed to satisfy the need for adrenalin in riders who want it all - now! The Dorsoduro is the perfect get-away machine, a bike made for moments of pure fun and sheer egotistical pleasure. The Dorsoduro is nevertheless homologated both as a single and dual seat motorcycle.

14. Why is it called Dorsoduro?

Dorsoduro is an Italian name, but easy to pronounce in all languages. It is a tough and aggressive name ... fit for a true motard. "Dorsoduro" is a no-compromise name ... just like the bike itself.



## INFO

### INFO

#### ***APRILIA DEALER EXTRANET***

Website: <http://www.apriliausadealers.com/Login/index.cfm>

Canada: <http://dealers.pgacanada.com>

#### ***PRODUCT INFORMATION MATERIAL***

Website USA: [www.apriliausa.com.com](http://www.apriliausa.com.com)

Website Canada: [www.aprilia-canada.ca](http://www.aprilia-canada.ca)

#### ***APRILIA CUSTOMER SERVICE***

Email: [CustomerCare@piaggiogroupamericas.com](mailto:CustomerCare@piaggiogroupamericas.com)