

**Quadro Vehicles**  
ADVANCED MOBILITY SOLUTIONS

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QUADRO VEHICLES. ENGINEERED IN SWITZERLAND



# QOODER

**Quadro Vehicles**  
ADVANCED MOBILITY SOLUTIONS

MOVE YOUR OWN WAY

# QOODER A NEW IDEA OF MOBILITY.

**THE AGILITY AND FREEDOM OF A TWO WHEELER.  
THE EASE AND SAFETY OF FOUR WHEELS.**

## **QOODER IS INNOVATION**

Welcome to a new concept of mobility, a new and unique product category.

Qooder is the evolution of intelligent mobility: in a single vehicle the best from the world of scooters and automobiles.

## **QOODER IS SAFETY**

Qooder is a project designed to ensure stability, comfort and the riding precision of motor cars. Dirt roads or bad weather will no longer be a source of concern.

## **QOODER IS FREEDOM**

Qooder is travelling with ease and confidence thanks to the exclusive double hydro-pneumatic HTS™ system. Its four wheels firmly planted on the ground follow every curve with the greatest precision.

## **QOODER IS EMOTION**

Qooder embodies driving pleasure, fun and less daily stress, without sacrificing the compactness and agility typical of two wheelers.





EXCLUSIVE TECHNOLOGY  
HTS™ SYSTEM  
DESIGNED IN SWITZERLAND  
ALWAYS BALANCED  
ALL-WHEEL BRAKING  
ON 4 WHEELS  
TWO REAR  
WHEEL DRIVE  
UNIQUE STYLING  
PASSION FOR CORNERING  
VERSATILE

JUST ONE RIDE AND  
YOU'LL BE CAPTURED

MORE IS MORE

## SKILLS ON THE ROAD.

Qooder rewrites the rules of modern mobility.

Thanks to its revolutionary double HTS™, hydro-pneumatic system, it is as agile as a motorcycle. It juggles its way around city streets, country roads and their pitfalls. It handles highways like a Granturismo.

At a stop or on the move, Qooder is always balanced without having to put any feet on the ground. It can be parked in confined spaces and in difficult conditions. Thanks to its low centre of gravity, it is extremely light in all manouevres.

Qooder has a mechanical differential which transfers the torque to the rear wheels, a dynamic steering system, a double countershaft for the maximum reduction of engine vibrations, and provides safer braking as a result of an all-wheel braking system.

Qooder gives you a new and different kind of riding experience. It is an ideal companion for both beginners and more advanced motorcyclists. You can also ride it just with a standard B license.



CITY REVOLUTION

## UNIQUE HTS™ TECHNOLOGY.

Qooder takes over the streets in a totally innovative way. Its double HTS™ (Hydraulic Tilting System) acts on all four wheels allowing optimal riding dynamics in all conditions: precise and safe entry in curves, stable traveling and smooth exits.

The HTS™ supports Qooder when it bends into its maximum tilting angle, also facilitating its return into a vertical position thanks to its hydro-pneumatic operation principle. Agility and safety are always guaranteed, even in low speed manouvres.

The HTS™ consists of two cylinders and two chambers filled with oil and under pressure air connected to a central cylinder which acts as a shock absorber, replacing traditional springs. This system is connected to an articulated parallelogram with two forged aluminium arms and an automotive like steering system which follows Ackerman's steering geometry.

The absorption of ground roughness on all wheels increases comfort and ensures accurate and secure driving kinetics, even in the presence of dirt roads, poor ground grip and adverse weather conditions.

FOCUS ON QOODER

# INSIDE THE REVOLUTION.

## ENGINE

- SINGLE CYLINDER; 4 STROKES, 4 VALVES
- ENGINE SIZE: 399 cc
- POWER OUTPUT: 23.8 KW (32.5 HP) @ 7000 RPM
- TORQUE: 38.5 NM @ 5000 RPM
- TRANSMISSION: AUTOMATIC CVT

## ARCHITECTURE

- 4 WHEELS
- MAIN STEEL TUBULAR FRAME
- HANDLEBAR WITH 35° STEERING ANGLE
- DOUBLE HTS™ HYDRO-PNEUMATIC SYSTEM
- FRONT AND REAR 14" ALLOY WHEELS
- 2.75 X 14" FRONT AND REAR TYRES
- AWBS – ALL-WHEEL BRAKING SYSTEM WITH 4 Ø 240 MM HYDRAULIC DISKS
- TANK CAPACITY: 14 LITRES

## EQUIPMENT

- DASHBOARD WITH REV COUNTER, SPEEDOMETER AND TRIP COMPUTER
- LIQUID CRYSTAL DISPLAY
- LED POSITION LIGHTS
- LED REAR LIGHTS
- USB SOCKET
- 12V SOCKET
- 2 STORAGE COMPARTMENTS
- UNDER-SEAT STORAGE FOR FULL-FACE HELMET

AERODYNAMIC PROTECTION

FRONT HTS™ SYSTEM

GLOSSY BLACK FRONT  
AND REAR 14" WHEELS

SLIM DESIGN  
HANDLEBARS

SEPARATE AND AUTOMATIC OPENING  
OF PASSENGER SEAT

14 L TANK CAPACITY

CENTRAL EXHAUST SYSTEM

REAR HTS™ SYSTEM

POWERFUL ALL-WHEEL  
BRAKING SYSTEM

399 cc MID ENGINE WITH 32.5 HP  
AND INTEGRATED DIFFERENTIAL

DOUBLE REAR TRACTION



DESIGN

**BEAUTY  
IN MOTION.**



DESIGN

# BEAUTY IN MOTION.



#### INSTRUMENT PANEL.

Liquid crystal display and onboard panel with multifunctional trip computer.



#### USB PORT.

Two front compartments for small objects, with 12V power supply and USB socket.



#### QOODER LOGO.

Smooth, fluid, aerodynamic lines marked Qooder.



#### 14" WHEELS.

In alloy and of elegant design in glossy black.



DIMENSIONS

**CITY SIZE.**

TOTAL WIDTH:  
840 mm



FRONT TRACK:  
550 mm



REAR TRACK:  
450 mm

HEIGHT:  
1360 mm



LENGTH: 2200 mm

SEAT HEIGHT:  
780 mm



WHEELBASE: 1580 mm



COLOURS

# DRESS RANGE.

SNOW WHITE



TITANIUM GREY  
(MATT)



RAW BLACK  
(MATT)



SWISS RED



CERESIO BLUE  
(MATT)



# TECHNICAL SPECIFICATIONS.



## DIMENSIONS

<b>HEIGHT</b>	1360 mm
<b>LENGTH</b>	2200 mm
<b>TOTAL WIDTH</b>	840 mm
<b>SEAT HEIGHT</b>	780 mm
<b>WHEELBASE</b>	1580 mm
<b>FRONT TRACK</b>	550 mm
<b>REAR TRACK</b>	450 mm
<b>STEERING ANGLE</b>	35°
<b>KERB WEIGHT (WITH FULL TANK)</b>	281 Kg
<b>MAXIMUM TRANSPORT WEIGHT INCLUDING RIDER, PASSENGER AND LUGGAGE</b>	480 Kg

## ENGINE

<b>TYPE</b>	Single cylinder, 4 strokes, 4 valves
<b>DISPLACEMENT</b>	399 cc
<b>BORE X STROKE</b>	84 x 72 (mm)
<b>COOLING</b>	Liquid
<b>MAXIMUM POWER</b>	23.8 kW (32.5 HP) @ 7000 rpm
<b>MAXIMUM TORQUE</b>	38.5 Nm @ 5000 rpm
<b>FUEL SUPPLY</b>	Petrol
<b>LUBRICATION</b>	Trochoid pump
<b>INJECTION</b>	Electronics
<b>CLUTCH</b>	Automatic dry centrifugal
<b>TRANSMISSION</b>	Automatic CVT
<b>HOMOLOGATION</b>	Euro 4 - L5e-A
<b>CONSUMPTION</b>	5.3 l/100 Km (WMTC homologation data)
<b>EMISSIONS CO<sub>2</sub></b>	122 g/Km (WMTC homologation data)

## FRAME

<b>FRAME</b>	Steel tubes
<b>FRONT SUSPENSION</b>	HTS™ Hydraulic Tilting System (hydro-pneumatic system)
<b>REAR SUSPENSION</b>	HTS™ Hydraulic Tilting System (hydro-pneumatic system)
<b>BRAKING SYSTEM</b>	Left lever and pedal: all-wheel braking Right lever: front wheel braking
<b>FRONT BRAKES</b>	Two Ø 240 mm disks with hydraulic calipers
<b>REAR BRAKES</b>	Two Ø 240 mm disks with hydraulic calipers
<b>TANK CAPACITY</b>	14 litres
<b>FRONT TYRES</b>	110/80 - 14 M/C 53P
<b>REAR TYRES</b>	110/80 - 14 M/C 53P
<b>FRONT WHEELS</b>	2.75 x 14"
<b>REAR WHEELS</b>	2.75 x 14"

# THE ACCESSORIES.

## COMFORT

HIGH WINDSHIELD

ADJUSTABLE WINDSHIELD WITH NAV-SAT SUPPORT

“ACERBIS” CARBON LOOK HAND PROTECTORS

PASSENGER COURTESY REST

LEG PROTECTION

DEMI JET TORNADO HELMET WITH QOODER WORDING

RAIN CANVAS

LEG COVER BY “TUCANO URBANO”

DRIVER SADDLE WITH A SMALL BACKREST

## STORAGE

ROTARY TOP CASE SUPPORT

TOP CASE PLATE SUPPORT

BLACK “KAPPA” ALUMINIUM 42 L TOP CASE

## SAFETY AND CONNECTION

ANTITHEFT LOCK HANDLEBAR BY “CLM”

ANTITHEFT IMMOBILIZER BY “GEMINI”

“LO/JACK” TRACKER AND MOBILE APP

“MICHELIN” CITY GRIP WINTER TIRES 110/80 - 14

## DESIGN

ALUMINIUM REARVIEW MIRRORS - TITANIUM, RED, BLACK, GREY,  
GOLD AND BLACK WITH SWISS FLAG

HTS BLOCK ALUMINIUM LEVER

## KIT

QOODER ADVENTURE KIT

QOODER WINTER KIT

