

Quadro Vehicles
ADVANCED MOBILITY SOLUTIONS

WWW.QOODER.COM



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.





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 manouvres.

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.



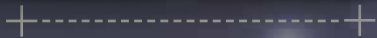
DIMENSIONS

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

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

ENGINE

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

FRAME

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

