



CARVER ONE

Key information

The *Carver One* is a slender, three-wheeled, twin-seat tilting vehicle. You steer it just like a car and it reacts just like a motorcycle, or better still, an aeroplane: when cornering, it banks. But unlike a motorcycle where the rider adjusts the tilt angle by shifting their weight and/or countersteer, the Dynamic Vehicle Control (DVC™) system of the *Carver One* automatically adjusts the tilt angle to the speed and acceleration of the vehicle, thus ensuring an optimum balance at all times.

The *Carver One* combines the exciting agility of a motorcycle with the comfort and safety of a car: the best of both worlds. The thrill of this tilting capability combined with the handling of a sports car makes for an exhilarating driving experience unlike any other!

Technical specifications (European model)

Dimensions

Length	3.40 m
Height	1.40 m
Width (tilt angle $\leq 25^\circ$)	1.30 m
Width (max. tilt angle)	1.60 m
Wheel base	2.70 m
Fuel tank capacity	34 L
Unladen mass	643 kg
Maximum permissible mass	841 kg

Performance

Top speed	185 km/h (115 mph)
Acceleration	0-100 km/h (62 mph) in 8.2 s
Max. tilt angle	45°
Max. tilt speed	85°/s
Turning circle (curb to curb)	9.5 m
Fuel consumption	
Urban	7.0 L/100 km (40.2 mpg)
Extra-urban	5.0 L/100 km (56.0 mpg)
Combined	5.8 L/100 km (49.0 mpg)



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Engine

Cylinders / valves	4 cylinder 16 valve turbo intercooler
Displacement	659 cc
Compression ratio	8.2:1
Cooling	water-cooled
Max. power	50 kW (68 bhp) at 6,000 rpm
Max. torque	100 Nm (74 lb.ft) at 3,200 rpm
Transmission	5-speed manual & reverse
Fuel	lead-free EURO
Emission system	catalytic converter with oxygen sensor
Electrical system	14 V / 32 A alternator, Volts 12 V / 30 Ah battery
Ignition	ECU multipoint injection with knock sensor – firing order 1-3-4-2
CO ₂ emission	136 g/km

Wheels, tyres, suspension and brakes

Wheels	5-spoke alloy front 4.0 MT x 17 rear 6.5J x 15
Tyres	front 140/70 R17 66H rear 195/45 R15 78V
Brakes	discs on all wheels
Front suspension	single-arm with hydraulic shock absorption
Rear suspension	McPherson suspension with rear-wheel steering



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Standard package

- Removable hard top roof in body colour
- Alloy wheels - double 5-spoke - front 17" / rear 15" (silver)
- Sports interior (black fabric trim)
- 3-spoke sports leather-covered steering wheel
- Aluminium dashboard and gear lever knob
- Instrument panel: speedometer and milometer (odometer), rev counter, fuel gauge, engine temperature
- Built-in class III remote control alarm system incl. remote control power door lock
- Carving LED indicators (continuous indication of the vehicle's tilt angle) with audible signal
- Heating / ventilation / windshield defroster
- Electric windows
- Front and rear seat belts
- Ashtray / drink holder / 12 V socket
- Tyre repair kit and tyre pressure gauge
- Black carpet
- Side mirrors, air intake vanes and back of driver's seat: black
- Front suspension, tilting cylinders, engine frame and engine covers: black
- Exterior colour - basic palette (yellow, red, blue)
- Two Carver One Key rings
- Carver One Owner Manual

Options and accessories

- Full leather (mono-colour or bi-colour) or leather/Alcantara® interior upholstery
- Exterior metallic paint (standard palette)
- Special exterior colours (matte black, pearl white, magma orange, marinas blue)
- Rear spoiler (body colour) with aluminium mounting brackets
- Graphite wheel pack (alloy - dark silver)
- Black wheel pack (alloy - matte black)
- Turbo pressure dashboard gauge
- Radio/CD/MP3 player with USB and Bluetooth connection
- DVC™ mode selector comfort/sport
- Aluminium body strips (sporty look during tilting)
- Silver pack (engine frame, front suspension & air intake vanes silver)
- Body colour pack (side mirrors and back of seat in body colour)



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Service & warranty

The *Carver One* is sold and serviced worldwide through a network of specialised distributors and dealers. The recommended service interval is 10,000 km (6,200 miles) or once every year, whichever is sooner. In Europe, the *Carver One* is covered by a 2-year (30,000 km) factory warranty.

Practical information

The *Carver One* has been granted full European type approval and various initiatives to obtain certification outside Europe have been launched. In Europe, a car driver's licence is required to drive a *Carver One*. For tax purposes the *Carver One* is registered as a motorcycle in most countries.

Disclaimer

This document details the European specification *Carver One*, which may differ from *Carver One* models made available outside Europe. Please note that Carver Europe ('Carver') is not responsible for printing errors and reserves the right to change options or standard features on any *Carver One* models as required. Please note that non-North American vehicles are not certified for use in North America. For up-to-date country-specific information on the specifications and availability of the *Carver One*, its accessories and options, please contact your local distributor/dealer or visit us at www.carver-worldwide.com