



Complete Description of Ulysses and Penelope

Your dream... to travel the world onboard a completely self-sufficient vehicle...

Why choose Ulysses and Penelope® ?

At the wheel of one of the best 4x4s in the world, the Unimog UGN500 is the only one made to pull heavy loads. With its ground clearance of 45cm, when solo, it can attack any terrain capable of supporting it.

Its trailer from 7.50m to 10.10m (depending on the chosen design) will give you a living area and comfort that's missing in all the other offers on the market!

The 40cm ground clearance and the "air" suspension will allow it to follow any path or track you come across.

The two cells are separable and entirely autonomous... Penelope will wait at the stopover point for Ulysses to come back from a few days of adventure.

The great autonomy of water and energy (renewable) as well as the treatment of effluents will free you from the chore of water and emptying.

All that's left for you to do is enjoy the drive and the discovery.

Yves Chaboche

- Several cubic metres of water and fuel in reserve.
- Two separate rooms with double beds.
- A cabin + extra bed in the living room.
- A real shower room with unlimited thalasso shower.
- Two bathrooms; one separate, the other can be isolated by moving the sliding doors.
- A kitted out kitchen that allows for inviting guests.
- A living room of ~14 m² + an awning shaded outdoor terrace.
- A QUAD on board in the hold lets you take in the surroundings. You fill up at the onboard service station in the fuel reservoir.
- Water and energy reserves for 4 people, will suffice for trips of up to 2 months far from civilisation.
- These same possibilities allow the provision of energy (10 Kw) to a base camp in the most extreme conditions of cold or heat.
- No pollution; all effluents are treated before emptying.
- On its own, Ulysses can ride on the worst of tracks and even on dunes, thanks to the tyre pressure control whilst driving.
- A powerful winch (5400kg) at the front will pull the other vehicles in the convoy out of ruts.
- Though, even if the advanced security of the equipment and their sizes makes Ulysses and Penelope®, the recreational vehicle for all large expeditions, nothing should take away from the fact that one should never venture alone into desert zones



"Et le monde entier devient votre jardin"

All terrain recreational vehicle equipment:



- Chassis: 3.90m.
- 4 drive wheels, dimensions: 365/80 R 20.
- Gearbox: 8 forward and 6 reverse.
- Differential lock on the two axles and driveshafts.
- Front wheelbase: 2.30m
- Rear wheelbase: 2.47m
- Ground clearance: 0.45m (under load)

- Coiled suspension springs, with transversal guidance bar, longitudinal reaction bar, and stabilising bar.
- 290bhp turbo compressed engine.
- 100 Amp, 24 volt alternator.
- Hydraulic winch (at front) 5400kg with 50ml cable diameter: 13mm.
- Fuel reserves: 2 X 250 litres.
- Cabin tips for maintenance.
- Roker hook for trailer, with braking connectors.
- Hydraulic pump and distributors, 7 directions.
- Stabilisation by triangulation jacks and auto levelling when stopped(x 3) with inclinometer.
- Control of tire inflation from the dashboard.

Unimog cabin equipment

- 3 road-facing seats, independent air suspension.
- **VarioPilot : Left or right driving by laterally moving the controls depending on the highway code of the country being crossed.**
- GPS + reverse camera (x 3).
- Air conditioning.
- Control of the search light from the cabin (for photo safaris).
- Alarm and surveillance system.
- Locking for the whole radio-controlled opening system(x 9)
- Weight in working order: 14 tonnes.





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Under chassis equipment

- 12 batteries, 2 volts, 600 amp/h.
- Extra 170 amp/h alternator 24 volts.
- Insulated tanks + automatic filtered water electric heaters ~110 litres.
- Mini electrolysis purification station, LECTRAN (no chemical products).
- Insulated tank + automatic used water electric heaters ~250 litres.
- Quarters:
 - length 4.50m,
 - interior size 2.30m,
 - under ceiling height 2.20m,
 - with telescopic left side extension.
 - Wall thickness of 85 mm + decor in natural wood on the inside = 100 mm finished.
 - Under floor insulation 120 mm.
 - Ceiling insulation 120 mm.
 - Living area: 9.97 m².

Technical area equipment (1.94m², 4.30m³)



- Clean water reserve tank, 1250 litres.
- Water filter system with UV and active carbon.
- 25 litre boiler.
- Air-con unit TELAIR split 12002.
- Supercharger for drinking water, with 8 litre reserve. Hose reel D20mm for pumping from wells, unrolled length 100m.
- Electric roller of 3x2.5mm², 40 ml, 220 volts, for external accessories.

- Webasto 4 kw boiler.
- Mass combi recharger 24/2000-60 230V 50Hz
- Submergeable pumps, on board, to get water from wells, (up to -70m).
- Equipment and tooling, packaged, onboard for repairs.
- "Dock" connector with counter, plug of 32 amps, 220 Volts. Cable 3x4mm² of 40 ml
- Storage shelves for keeping spares and consumables?





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List of spares

- 1 door window, left
- 1 door window, right
- 1 fixed window, left
- 1 fixed window, right
- 1 timing belt
- 1 air filter
- 1 diesel filter
- 1 oil filter
- 1 compressed air filter
- Oil

List of generator spares

- 1 timing belt
- 1 water pump
- 1 fuel pump
- Temperature detectors
- Fuel filters
- Oil filters
- Oil

Technical equipment of the quarters (9.90m², interior height: 2.20m)

Heating: 3 solutions installed :

- Low temperature floor heating network, hot water, (boiler).
- Low temperature floor heating network, electric
- Quick heating by air heater on the boiler.



Air conditioning:

- Independent air conditioning with air filtration.
- Controlled mechanic ventilation, hygro-adjustable (external air vent concealed and inaccessible).
- Ceiling ventilation.

Bathroom:

- Aviation type flush (electric).
- Bidet.
- Tank control board



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For the kitchen:



- 110 litre refrigerator, 18 litre freezer compartment.
- Sink with lid, stainless steel, hot and cold water.
- Electric hob + alcohol.

Office area:

- LCD TV screen, 67 cm PC installed.
- Photocopier and colour printer

Sleeping:

- Pull-down bed of 140 x 190.
- Pull-down table, cupboards, wardrobe.



Wooden furniture and decor:



- Acacias parquet, "boat's bridge"
- Projection opening window: laminated glass.
- Two fixed openings with laminated glass, in the drawer sides.
- "Marine" quality lantern with Plexiglas, thickness: 10 mm.
- Upper and lower cupboards, wardrobe



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Equipment in the cabin and quarters:

- Cabin protection by lateral screen bars.
- Electric winch to lift and lower from the roof, the spare wheel and packages.
- Search light.
- Additional road lights.
- Directional solar panels (x 8).
- Satellite TV and Internet ADSL antennae.
- Compressed air horns.
- Toolboxes.



External equipment:



- 8 solar panels, 1.44m x 0.66m directional
- Access ladders (x 3)
- External storage
- External douche with automatic thermostat
- Electric locking for doors (x 9)
- Moving of stabilisation jacks and auto-levelling, bringing out the extension and directing the solar panels all done by radio control.

Towed trailer: Penelope

- Semi-supported chassis
- Chassis reinforced with telescopic retractable hydraulic gear.
- 2 compressed air suspension axle wheels: 385/65 R 22.5
- Auto-levelling when stopped, with three jacks in triangulation and radio controlled.
- Ground clearance when loaded: 0.40m





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Under chassis equipment

- 3 clean water tanks of 2430 litres, 540 litres and 180 litres.
- Fuel tanks for the group of 400 litres.
- Pressurized water tanks, 2.7kg/cm² : 100 litres.
- Used water: 750 litres.
- Recycled water tank (pour 2nd use = toilet, washing machine 180 litres).
- Petrol tank for the quad of 220 litres with pump, hose and filling gun.
- 12 batteries, 2 volts, 600 amp/h.
- Used water treatment system via electrolysis: Lectran.(no chemical products).

- Hydraulic pump, for the jacks
- Supercharging of drinking water, filter system with UV and active carbon.



- Purification for drinking water, with 11 litre tank.
- Refrigerated water for drinks, 8 litre tank.
- Boiler with energy recovery, 60 litres.
- Central heating boiler, Webasto 4 Kw.
- Air-con unit Telair split 12002



- Diesel generator 1500 rpm 10 Kw, in soundproofed cocoon; Mastervolt. Engine cooling, used for hot sanitary water and heating.
- cogenerating, output 80% with 40% electricity and 40% heating

- Dockside connector for water and electricity, with unrollers.
- Holds for stowing away the terrace, equipment and tools.
- Garage with access ramps for the Quad KIMCO 300 (350 cm³, 4 stroke, cardan transmission). With electric haulage winch.
- The "air" suspension of Penelope allows the lowering of the trailer to 0.10m from the ground and also to raise the wheelbase by over 0.10m in difficult sections.



- Central vacuuming, ALDES.
- Mass combi recharger 2000 - 60 230V /50Hz MASTER VOLT.
- High pressure recycled water cleaner.



"Et le monde entier devient votre jardin"

Penelope quarters



- Length 10 m.
- Interior size 2.30m
- Height 2.20m.

- With 3 telescopic extensions, hydraulic controls
- Area 29.55m².
- 85mm wall insulation, sandwich panels in reinforced polyester fibre-glass + natural wood internal decor with a finished thickness: 100 mm.
- Under floor insulation 120 mm.
- Under chassis insulation for all the tanks 50 mm.
- Ceiling insulation 120 mm.
- Decor and screens in natural wood.
- Current exterior height: 4.18m (Next model: 3.99m)

- Acacia "boat's bridge" parquet floor 14mm thickness on a low temperature floor heating network, same as in Ulysses but on a separate network.
- Thermo-resistance electric network.



- Hot water network that uses cooling from the generator and add-on boiler from Webasto.
- Aluminium framed windows and laminated glass
- Quality "marine" lantern with Plexiglas, thickness 10mm



- On the roof, 14 directional solar panels of 1.44m X 0.66m



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- Automatic TV and Internet antenna
- Radio control for controlling the different jacks:
 - Shortening and lengthening of the trailer tow bar to couple the two quarters
 - Controlling the levelling of the three ground jacks.
 - Controlling the angle of the solar panels.
 - Controlling the entry and exit of the extension drawers (3).

Internal equipment:

An independent room:

- Bed 140 / 190, wardrobe, office area for PC and TV screen.



- Heating and air conditioning,
- Electric equipment 220 volts.



A living room:

- 2 extensions which make a room of 3.04 m X 4.34 m
- Central table on height adjustable legs
- Ceiling ventilation
- Large screen TV LCD 102cm
- Sleeping cabin 90 X 190
- Canopy that can transform into extra bed for 1 person, 110 X 90
- Upper and lower cupboards, in natural wood
- Central vacuuming connection
- Equipment 220 volts
- Air conditioning.

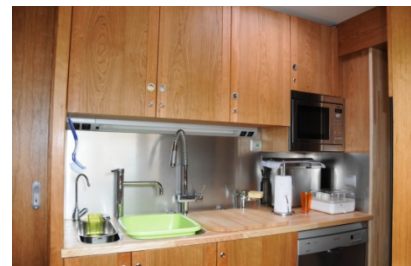




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An equipped kitchen:

- 1 telescopic extension
- Vitro-ceramic "3 flame" hob
- 185 litre refrigerator, freezing compartment of 45 litres
- Classic electric oven
- Microwave oven
- Coffee machine,
- Extractor hood
- 3 stainless steel sinks, mixing taps
- Extra tap for cooled water
- 6 covers dishwasher
- Water to recycle recovery
- Tumble dryer
- Domestic scales incorporated into the work surface
- Tumble dryer
- Storage drawers



A shower room:



- Washing machine
- Stainless steel bowl sink, mixer tap
- Thalasso and sauna shower / aromatherapy, enclosed with continuous recycling or: 14 litres of water per shower
- Cupboards
- Standing mirror

Ulysse et Pénélope®

sur chassis Mercedes



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A bathroom:



- Ceramic bowl, flush, electric, with
- bidet.
- Tank control board



An external terrace:

- Terrace of 3.80m by 1.75 m
- Shaded by an awning that's deployed electrically.



Model depending on options requested: price quotation

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