



## Expedition Vehicle EX45 - HD



### The Opportunity...

This is a tried-and-true, well-maintained expedition vehicle that is ideal for trips and adventure tours for two to four people who demand the utmost in comfort and reliability.

Make your dream come true now!  
Avoid the usual two years of planning, construction, and testing.  
It's ready for immediate use.

No experience necessary.  
We will familiarize you with your new mobile home and accompany you  
as far as you wish.

## Chassis

- Dimensions with Roof Air Conditioning: L 7500 mm (295"), W 2492 mm (98"), H 3910 mm (154")
- The driver's cab rear wall is raised for greater seating comfort
- Wheelbase: 3850 mm
- It has an MB 8-speed EPS transmission, plus eight crawler gears
- All-wheel drive with longitudinal lock
- The differential locks on the front and rear axles can be engaged while driving
- It has coil suspension, shock absorbers and stabilisers at the front and rear
- Portal axles
- Axle Load Distribution: 34% on the front axle and 66% on the rear axle
- Thanks to the raised air intake and vents, it has wading ability
- Tires: 4 x 14.00 R 20 XZL, tubeless tires
- Hutchinson aluminium wheels with beadlocks
- Underride guard
- Diesel pre-filter with water separator
- 28 Liter (7.4 US gal.) fuel tank for motorcycle
- Tire pressure control system
- Branch deflectors, a roof rack with a spare wheel holder and a loading crane
- Roof storage box
- 4 additional xenon spotlights
- 2 LED work lights
- Headlight protection grille
- Compressed air horns
- Hydraulic winch with an approximate capacity of 14t and a Dyneema rope
- Additional locks for the cab
- 2 air-suspended comfort seats and a heated driver's seat
- Additional sound insulation
- Individual Alcantara interior
- Air conditioning
- Auxiliary heating with altitude adjustment
- Rearview camera and 4 additional cameras
- Immobilizer
- USB charging port
- Garmin satellite navigation device with GPS
- Radio

## Body

### **Outer dimensions of the cabin:**

- Length 4500 mm (177"), width 2480 mm (98"), height 2055 mm (81")

### **Inner dimensions of the cabin:**

- Length 4380 mm (172"), width 2360 mm (93"), height 1900 mm (75")

### **Frame assembly**

- Frame assembly: 3-point mounting

### **Body unit construction**

- Self-supporting UNICAT sandwich panel construction made of GRP composite panels
- Wall thickness 60 mm (2.36") with PU rigid foam insulation
- The floor panel has a foam-filled steel frame reinforcement
- The rear slope improves the angle of inclination

### **Access to driver cab**

- Passage to the driver's cab features a highly flexible waterproof bellows connection
- Sliding door panel to close passage way

### **Entrance door and storage compartment doors**

- Entrance door and storage compartment doors constructed of fiberglass composite panels
- Thickness of doors 60 mm (2.36")
- Double sealed doors with heavy duty locks and seal compression
- Anti-theft stainless steel hinges
- Safety lock with latch bolt, dead bolt and additional locks at top and bottom
- Safety cylinder locks all keyed alike

### **Windows**

- Burglar-proof, scratch-proof custom built top hinged windows with GRP frames
- Double insulated thermal window glass
- Internal double seal with combined hollow profile and seal compression
- Aluminum frame windows with shutters and mosquito net blinds

### **Lifting roof**

- UNICAT lifting roof with electric drive mechanism
- Well insulated, expedition proven and maintenance free

### **Roof hatch**

- Burglar-proof electric boat hatches
- 12 mm (0,47“) acrylic glass
- Internal seal with hollow profile
- Anti-theft hinges
- Opening size 620x620 mm
- Full size UNICAT sliding roof above the bed, constructed of fibreglass composite panels and frames
- Dimensions: 1200 x 1600 mm
- Internal double seal with combined hollow profile and seal compression

### **Stairway**

- Additional staircase, electrically extendable
- 2 step stairwell, integrated sleeping roof

## Interior Layout

### Seating area

- Seating area for 4-6 persons with swivelling table on a pedestal
- The table height can be altered using a electric switch
- Seating area converts to bed, size: 1600 mm (63“) x 2000 mm (79“)

### Bedroom

- Double bed with suspension
- Comfortable mattress, size: 1600 mm (63“) x 2000 mm (79“)

### Bathroom

- Combined shower and toilet
- Varicor washbasin with integrated sink and vanity unit
- Wall cabinet with mirror above the sink
- The bathroom has its own radiator so this area can also be used as a drying room
- Tiled shower floor

### Kitchen

- Varicor countertop with integrated sink
- Foldable kitchen worktop
- 2 burner Induction hob
- Fridge 495 Liters (51.5 UD gal.)
- Freezer 65 Liters (17.2 US gal.)
- Shock-proof separation for tableware, cookware and kitchen appliances
- Drawers on ball bearing & full extension runners

### Storage

- 2 large linen cabinets with drawers below and clothes rail above
- Storage compartments in the bed area
- Storage compartments under the seating area
- Magazine rack behind the backrest in the seating area
- Storage compartment near the entrance
- Large, outside storage compartment in the rear under the seating area
- Aluminium exterior storage boxes
- Storage boxes on the loading platform

### **Workmanship**

- All furniture is built to the highest cabinetmaking standard
- Made of plywood with furniture surfaces made of laminate
- Real wood Bandings
- Off-road proven metal fittings and hinges

### **Design**

- Teak floor
- Walls and ceiling are painted with multiple coats
- Upholstery made of Alcantara

### **Electrical equipment**

- 6 AGM batteries 24 V, 630 Ah, effectively usable energy 7,5 kWh
- Control panel for monitoring of DC power and the tank levels
- Main batteries switch and automatic circuit breakers for all DC consumers
- Additional alternator with I-U charge controller, charging power 2,6 kW
- 2 inverters 230 V AC, uninterrupted power supply of 6kW, max power 12kW, 3,3 kW charging power
- 3 International chargers, charging power 2,1 kW
- Sockets for AC, DC and USB
- Solar system 870 W with MPPT solar regulators

### **Music system**

- Self-aligning satellite dish
- 27" I-MAC with DVD player
- DVS-S tuner
- Music system with I-POD connectivity and voice control
- Sound system

### **Lighting**

- LED lights above the table, kitchen, bed, bathroom and shower
- LED reading lights dimmable at the seating area and at the bed area
- LED strips in the outside storage compartment
- LED strips on the sliding roof

### **Water supply**

- 2 freshwater tanks with 2 pumps and profilers capacity 600 Liters (158.5 US gal.)
- All water installations are located in the frost-proof inside area of the body
- 40 Liters (10.5 US gal.) hot water heat exchanger
- City water connector
- Outside shower
- Comfortable winterisation system for the fresh water system
- 40 Liters (10.5 US gal.) additional water tank mounted on the chassis
- 80 Liters (21.1 US gal.) frost protected grey water tank

### **Toilet system**

- Sealand Porcelain toilet with flushing
- 50 Liters (15.5 US gal.) frost-proof black water tank tank

### **Heating system**

- Central heating system (9,0 kW) for diesel fuel with height adjustment
- Radiator in the seating area
- Towel radiator in the bathroom
- Heat exchanger to using the engine waste heat to heat the body and to generate hot water while driving
- Antifrost system

### **Others**

- Roof air conditioning
- Honda 2.0i generator
- Garmin inReach
- Loading platform for a motorbike and 4 fuel canisters
- 28 Liters (7.39 US gal.) gasoline tank for a motorbike
- Holder for 4 sand ladders
- Omnistor Sun awning integrated in the side wall
- Windbreak with quick-fixing fittings

## **General information**

### **Dimensions**

- Dimensions with roof air conditioning: L 7500 mm (295"), W 2492 mm (98"), H 3910 mm (154")
- Dimensions with solar system: L 7500 mm (295"), W 2492 mm (98"), H 3820 mm (150")
- Lifting height: 890 mm (35")
- Additional length of motorcycle carrier: 1000 mm (39+")

### **Weights**

- Permissible total weight: 13,800 kg (30,424 lbs)
- Axle load distribution: 34% front axle and 66% rear axle

### **General Vehicle condition**

- Year of manufacture: 2004
- Extensive modifications in 2014
- Approx. Mileage: 80,000 km
- Second hand
- Very well-maintained
- Ready for immediate use

### **Vehicle location**

UNICAT GmbH  
Gewerbering 9-23  
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Germany



UNICAT Expedition Vehicle EX45-HD Unimog U 5000 4X4









