

# Exposee Expedition Vehicle

## UNICAT MD74c / MAN TGS 6x6x4

<b>Chassis:</b>	<b>MAN TGS 6x6x4, 397 kW / 540 hp, EURO 5</b>
<b>Seats in cab:</b>	<b>4-5</b>
<b>Beds in cab:</b>	<b>-</b>
<b>Habitat:</b>	<b>UNICAT MD74c, length 7,4 m</b>
<b>Seating capacity:</b>	<b>5 - 7</b>
<b>Sleeping capacity:</b>	<b>2 in master bedroom, 2 bunk beds , 2 in seating area</b>



## Chassis

- MAN TGS 33.540 6x6
- Extended L-cab, 4+1 -seater
- Large side windows for rear passengers
- Wheel base 5100 mm (201“) + 1400 mm (55“)
- Rear axle steering
- Engine performance 397 kW / 540 hp, EURO 5 SRC
- ZF 12 speed automatic transmission ( MAN Tipmatic )
- Cruise control
- 2-speed transfer box MAN G173 with off-road reduction
- All wheel drive engageable
- Differential locks in front and rear axles
- Double shock absorbers and stabilizer on the front axle
- Shock absorbers and stabilizer on the rear axles
- 2-piece aluminium wheels - new
- Runflats - 50km / 31 miles distance with flat tire
- Tires 14.00 R 20 tubeless, Continental HCS, speed rating 120km/h / 75 mph - 80%
- Tire inflation system external
- Tire pressure monitoring system
- 2 complete spare wheels with 2-piece aluminium wheels and runflats - 100%
- Diesel tank capacity: 1000 liter (264 US gallons)
- Gasoline tank capacity: 152 liter (40 US gallons) with gas pump for refueling
- Fuel prefilter with water separator, heated
- 2 LED high beam lights mounted in front of the roof rack, each 40 W, 2100 lm
- 2 LED flood lights mounted in front of the roof rack, each 49 W, 3675 lm
- 2 LED working lights mounted sideways on the roof rack, each 17 W, 700 lm
- 2 LED working lights mounted at the rear, each 17 W, 700 lm
- Headlights with Osram H7 LED light bulbs for left hand and right hand traffic
- Headlight protector grids
- LED rear lights
- Truck horns
- Lashing points for rescue or transportation
- Rear underride guard, retractable
- Aluminium roof rack with branch guard
- Storage boxes on the roof rack
- 4 air suspended leather seats, heated and ventilated
- Rear center seat with built-in compressor fridge box
- Additional soundproofing and cab paneling
- Air conditioning system
- Auxiliary heater Eberspächer D5W for engine and cab preheating

- Garmin GPS navigation Tread® XL - Overland Edition mit 10“ monitor
- Radio Alpine Halo with 11“ monitor
- Rear view camera
- CB Radio
- Vehicle immobilizer
- Central door locks
- Electric windows
- ETA automatic cutout
- Chassis batteries relocated into the habitat
- 24V DC NATO socket for chassis batteries
- 24V outlets and USB charging outlets in the cab

## **Habitat**

### **Outer dimensions of the habitat**

- Length 7400 mm (291.3"), width 2480 mm (97.6"), height 2255 mm (88.8")

### **Inner dimensions of the habitat**

- Length 7280 mm (28.6"), width 2360 mm (92.9"), height 2070 mm (81,5")

### **Torsion free frame assembly**

- 4-point kinematic attachment with main and flex mounts for stress-free of the habitat on the torsion elastic chassis frame

### **Habitat construction**

- UNICAT-made self supporting body made of fiberglass composite sandwich panels
- Wall thickness 60 mm (2.36") with polyurethane foam insulation
- 3 mm (0.12") FRP outer surface, 2 mm (0.08") FRP inner surface
- Insulation rating 0.44 W/m<sup>2</sup> K (0.078 Btu/ft<sup>2</sup> hr °F)
- Cold bridge free glued with FRP profiles
- Floor panel with integrated welded steel frame and surfaces of FRP
- Additional insulation of the floor

### **Access to driver cab**

- Highly flexible waterproof bellows coupling
- Access closable with removable and lockable fiberglass door panel

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

- UNICAT-made entrance door and storage compartment doors made of fiberglass composite panels and FRP profiles
- Thickness of doors 60 mm (2.36")
- Double sealing with combined hollow profile and lip seal
- Burglar-proof stainless steel hinges throughout
- Heavy duty latch and compression locks
- Additional retractable bolts at top and bottom of the entrance door
- Safety profile cylinders with protective dust caps
- Safety cylinder locks all keyed alike
- Mosquito net for entrance door

## **Windows**

- Burglar-proof hinged UNICAT-windows with tempered glass and FRP frames
- Double safety glass with thermal insulation
- Double sealing with combined hollow profile and lip seal
- Burglar-proof stainless steel hinges throughout
- Heavy duty UNICAT window lift fittings and locks made of stainless steel
- Roller blinds with blackout screens and mosquito nets in aluminium frame
- Fixed window at bunk beds with sun protection blinds

## **Panorama roof hatch**

- UNICAT-made panorama roof hatch above the bed area
- Dimensions: 1300 mm (51") x 1000 mm (39")
- Made of fiberglass composite panels and FRP profiles
- Heavy duty UNICAT locks and hinges made of stainless steel
- Lift system supported by gas springs
- Double seals
- Roller blinds with mosquito nets in aluminium frame

## **Ventilation hatch**

- Marine type roof hatch with mosquito net in the shower
- 12,7mm ( 0,5" ) acrylic glass pane
- Protected built-in hollow profile gasket
- Burglary protection grid inside

## **Skylight**

- KCT Skylight in the bunk bed area
- Tempered dual pane glass
- FRP frame
- Stainless steel fittings
- Roller blind with blackout screen and mosquito net in aluminium frame

## **Stairway**

- Integrated 3-step staircase with storage compartments
- Additional motorized double entry steps
- Floor panel to cover the entrance step box

## **Interior Layout**

### **Seating area**

- U-shaped seating area for 5-7 persons on pedestal in the front
- Rotable and height adjustable table with motorized center post
- Seating unit converts to double bed
- Size: 1445 mm x 2000 mm (57" x 79")

### **Master bed**

- Double bed with suspension, ventilation, heating and comfortable mattress
- Bed mounted in rear on pedestal with step box
- Size: 1800 mm x 2050 mm (71" x 81")
- Master bedroom area with door to separate from other rooms

### **Bunk beds**

- 2 bunk beds with ventilation and comfort mattresses
- Size: each 800 mm x 2100 mm (31" x 83")
- Ladder and protection bars for upper bunk bed
- Doors to separate the bunk bed area from the master bedroom and living room

### **Bathroom with separate shower**

- Dry bathroom with sealed door to living area
- Bathroom vanity with countertop and integrated wash basin, made of VARICOR
- Wall cupboard with mirror above the wash basin
- Teak floor with underfloor heating
- Separate shower room, accessible from the bathroom room
- Shower floor with slope, gutter and underfloor heating, made of Varicor
- Shower useable as dry storage due to its own radiator

### **Kitchen**

- Countertop with integrated stainless steel sink and cutting board, made of Teak
- Folding kitchen countertop in entrance area
- Drawers with full extensions for kitchen equipment and provisions
- Shock-proof separations for tableware, cookware and kitchen appliances
- Overhead cupboards above kitchen countertop
- 2 x Miele 2-burner induction cooktop
- Miele oven with microwave and grill
- Fridge-freezer, 144 Liter (38 US gallons) cooling, 16 Liter (4 US gallons) freezer
- Miele built-in coffee machine
- Bosch dishwasher

## **Storages**

- 2 wardrobes in the bedroom
- Overhead cupboards and storage boxes in bedroom
- TV cupboard with drawers in the bedroom
- Storage compartments with flaps in the foot area of the bunk beds
- Storage compartments with drawers under the bunk beds
- Storage cupboards / linen cupboards with washing machine area
- TV cabinet with drawers next to seating unit
- Storage compartments in the seating area
- Storage compartments under the entrance steps
- Large, outside storage compartment in the rear under the bed
- Aluminium exterior storage compartment with boxes for equipment
- Aluminium exterior storage compartments between the rear axles
- Aluminium exterior storage compartments behind the rear axles
- Zarges aluminium storage boxes on the roof rack

## **Workmanship**

- All furniture is built to the highest cabinetmaking standard
- Made of wood core plywood with laminate or real wood veneer
- Massive real wood edges
- Heavy duty locks and hinges
- All drawers on full extensions with ball bearings
- Surfaces white with teak edges

## **Layout**

- Marine type teak floor with rubber joints
- Walls and ceiling are painted with multiple coats
- Wall and ceiling paneling in the master bedroom covered with ALCANTARA
- Wall and ceiling paneling in the area of bunk beds covered with ALCANTARA
- Upholstery made of ALCANTARA

## **Technical equipment**

### **Electrical equipment**

- Independent 24 V DC and 230V AC power supply for the habitat
- Control panel for power management and monitoring of liquid levels
- Safety cutout, fault current breakers, battery main switch
- 2 separate VICTRON DC battery banks with LiFeYPO4 batteries - installed 2025
- Battery capacity 25,6 V - 1200 Ah, effectively useable energy 24,6 kWh
- Additional alternator with I-U charge controller, charging power 3,36 kW
- Uninterruptible AC power supply through 2 VICTRON inverters 230 V 50 Hz
- Continuous output 6 kW, peak output 12 kW, charging power 3,6 kW
- 2 additional VICTRON battery chargers for international use
- Input range 90-265 V AC, 45 Hz-65 Hz, charging power 2,4 kW
- Sockets for 12V DC, 230V AC and USB

### **Solar system**

- Solar panels with VICTRON MPPT solar regulators, charging power 2.150 Wp

### **Telemonitoring Victron VRM**

- Habitat batteries: Voltage, current, charge level, history
- Chassis batteries: Voltage
- Solar system: Voltage, current, yield
- Temperature: batteries, inverters, inside, outside
- Position

### **Generator**

- Super silent Fischer-Panda 15000 diesel generator, water cooled
- Kubota 3-cylinder diesel engine
- Continuous output 230 V AC 50Hz, 11,4 kW / 12,7 kVA
- Fuel prefilter with water separator, heated
- Independent DC power supply with charger, battery capacity 12V 70A
- DC-DC charger to refresh the generator battery
- Oversized radiator for hot climates with post cooling mounted on the roof rack
- Pressurized generator housing to protect against ingress of water during fording

### **Lighting**

- LED ceiling lights in living area, kitchen, bedroom, hallway, bathroom and shower
- LED reading lights dimmable at the beds and in the seating area
- LED strips in the rear storage compartment
- LED strips in the outside storage compartment
- LED flashlight with charging station

### **Fresh water system**

- Tank capacity 1.000 liter (264 US gallons)
- 4 separate water tanks for drinking water with 4 water pumps and filters
- Tanks and water installations are freeze-proof mounted inside the habitat
- 60 liter (15.9 US gallons) hot water heat exchanger with electric heater
- City water connector
- Outside shower connector
- Quick drain system for winterisation with compressed air

### **Wastewater system**

- Tank capacity 165 liters (46 US gallons)
- Tank and drain lines are freeze-proof mounted inside the habitat
- Pneumatically actuated outlet valve, heated
- Discharge operation from the cab and habitat

### **Toilette system**

- Porcellan toilet bowl with water flushing
- Tank capacity 160 liter (42 US gallons)
- Freeze-proof mounted inside the habitat
- Vacuum tank ventilation with activated carbon filter
- Pneumatically actuated outlet valve, heated
- Discharge operation from the cab and habitat

### **Heating system**

- Diesel powered hot water central heating with altitude adjustment
- Heating power 5 kW (17.050 BTU/h)
- High radiant heat share due to radiators in living area and bedroom
- Towel dryer type radiator, mounted in the shower
- Bed heating under the mattress
- Electric underfloor heating in the bathroom
- Electric underfloor heating in the shower
- Frost protection system

### **Air conditioning**

- 2 fully integrated air conditioners / heat pumps for living area and master bedroom
- Cooling capacity 2,6 kW (8.876 BTU/h) each
- Heating capacity 2,5 kW (8.535 BTU/h) each
- Electric power consumption 1,5 kW each
- Can be run from batteries, generator or shore power

## **Entertainment systems**

- 32" HD LED TV in the seating area
- HD-SAT-Receiver, Blu-ray Player, Alpine Radio, Apple-TV
- Bose Acoustimass speaker und subwoofer
- 32" HD LED TV in the bed area
- HD-SAT-Receiver, Blu-ray Player, Alpine Radio, Apple-TV
- Bose Acoustimass speaker und subwoofer
- Starlink satellite dish

## **Others**

- Miele washer dryer, 5 kg capacity
- Loading platform for bicycles or side-by-side, hydraulically operated
- Loading platform foldable
- 2 spare wheels mounted under the platform
- Sunshade 5,6 x 2,4 m ( 18.4 ´ x 7.9´)
- Lashing points for sunshade on side wall
- Telescopic ladder made of aluminium
- Satellite-tracking-system

## **General information**

### **Overall vehicle dimensions**

- Length 10850 mm (427.2“) , width 2490 mm (98,0“), H 3765 mm (148.2“)
- Additional length of loading platform unfolded: 1085 mm (42.7“)

### **Weights**

- Curb weight incl. freshwater and fuel 18.800 kg ( 41.447 lbs)
- Gross vehicle weight rating: 19.900 kg (43.871 lbs)
- Axle load distribution: 32% front axle, 34 % each rear axle

### **General condition**

- Year of manufacturing: 2014 - 2015
- Date of first registration: 12/2014
- Mileage appr.: 45.000 km / 28.000 miles
- First hand
- Habitat and chassis are in like new condition, upgrades included
- German registration ( can be continued for international customers )

### **Service and support**

- Several days of instruction on operation and care for your new vehicle is included
- After sales support and 24/7 technical assistance is included
- Modernizations and modifications can be carried out at short notice according to your wishes

### **Price offer**

- Asking price: 890.000 € ( German VAT included )
- Country specific registration fees are not included
- Sale is made on behalf of the owner

### **Vehicle location**

Winnipeg, Canada

### **Contact:**

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