Expedition vehicle MD79h / MAN TGS 6x6
Chassis

- MAN TGS 33.540 4x4
- L-cab
- Wheel base 4500mm (177.1“) + 1400 mm (55.1“)
- Engine performance 402 kW / 540 hp, Euro 5
- Gearbox ZF 12 „MAN Tip-Matic“
- Transfer case with off-road gear reduction
- All wheel drive with central differential lock
- Differential lock in front and rear axle
- Parabolic leaf springs
- Additional air suspension for rear and front axle
- Michelin XZL 14.00 R 20 tubeless tyres
- Manual tire pressure regulating system
- 2 chamber fuel tanks, capacity 1000 liters (264.2 US gallons)
- Fuel prefilter with water separator
- Aluminum roof rack with branch guard
- Ladder onto the roof rack
- 2 Xenon broad-beam lights in front
- 2 Xenon high-beam lights in front
- 2 working LED lights sideways
- Light guards front
- Radiator guard
- Rear underride guard, pneumatically driven
- 2 air suspended leather seats, heated + ventilated
- Leather steering wheel
- Additional noise and thermal insulation in driver’s cab
- All-around curtains
- Power windows
- Cruise control
- Integrated air conditioning
- Back eye camera
- Power locks
- USB charging connection
- ETA automatic cutout
- Remote monitoring for chassis batteries
- Garmin satellite navigation (GPS)
- CB Radio
- Audio/ video intercom system
Body

**Outer dimensions of the cabin**
- Length 7900 mm (311.0”), width 2480 mm (97.6”), height 2205 mm (86.8”)

**Inner dimension of the cabin**
- Length 7780 mm (306.3”), width 2360 mm (92.9”), height 2050 mm (80.7”)

**Frame assembly**
- 3-point kinematic attachment with main and flex mounts for stress-free body coupling to the torsion elastic chassis frame

**Body unit construction**
- Self supporting UNICAT sandwich plate panels of fiberglass composite
- Panel connections made by adhesive bond to custom extrusions eliminates metallic heat conduction paths
- Matched thermal coefficients of expansion prevent distortion with changes in temperature
- 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/sqm K (0.078 btu/ft h degF)
- Bottom panel with integrated welded steel frame and FRP surfaces
- Slope at rear to improve slope angle

**Entrance door and storage compartment doors**
- Entrance door and storage compartment door constructed of fiberglass composite panels and frames
- Thickness of doors 60 mm (2.36”)
- Double sealed doors with heavy duty locks with seal compression
- Stainless steel hinges throughout
- Additional retractable bolts at top and bottom of entrance door
- Safety cylinder locks all keyed alike

**Windows**
- Burglarproof, scratchproof top-hinged windows with fiberglass frames
- Double insulated thermal window glass
- Double seals with heavy duty lock
- Stainless steel hinges throughout
- Stainless steel lifting and locking device
- Aluminum-frame black-out and mosquito blinds

**Skylights**
- Burglarproof skylight with aluminum frame and Mosquito net
- 12 mm acrylic glass
- Heavy duty lock
- Double seals

**Stairs**
- 8 step swivelling boarding stairs

**Spare wheel carrier**
- Foldable spare wheel carrier & hoist at the rear
Interior layout

Living room
- Seating area for 4 persons with 3 part table
- Foldable and electrically lowerable table, drink holders in table center
- 4 luxury leather seats on swiveling, sliding seat console
- All Seats are heated and with massage function

Master bedroom
- Double bed with suspension, ventilation and comfortable mattress
  1800 mm x 2000 mm (70.9" x 78.7")
- Door to separate from living room

Sanitary room
- Separate shower and toilet rooms with doors to isolate from living area
- Cupboard with wash basin
- Wall cupboard with mirror above the sink
- Also usable as dry storage due to its own radiator
- Seat bench in shower room

Kitchen
- Teak veneered countertop with integrated stainless steel sink
- Single-lever mixer for hot and cold water
- 4-plate induction cooker
- Oven with microwave and grill
- Fridge 130 liters (34.3 US gallons) and freezer 65 liters (17.2 US gallons)
- Shock-proof separation for tableware, cookware and kitchen appliances
- Floor cupboards with ball bearing mounted fully-extensible drawers
- Overhead cupboards above kitchen
- Over the sink cutting board
- Cooker hood
- Door to separate from living room

Storage
- Overhead cupboards and storage boxes in bed area
- Wardrobe with drawers and power locks
- TV cabinet with drawers and power locks
- Bar compartment and glassware cabinet
- Outside storage compartment under the bed pedestal
- Aluminum exterior storage boxes

**Workmanship**
- All furniture is built to the highest cabinet making standard, made of wood core plywood using heavy duty locks and hinges
- Finishes may be specified by customer

**Lay out**
- Teak floor
- Walls and ceiling in sanitary room and kitchen are painted with multiple coats
- Walls and ceiling in bed area and main room are made of Alcantara
- Upholstery made of leather

**Exclusiv package: Name embossing on leather**
- Seat backrests
- Masterbed headrest

**Exclusiv package: Gold coating**
- Wash basin
- Water taps in sanitary room
- Towel hooks, soap dispenser, toilet paper holder
- Light switches and sockets
- LED ceiling lights
- Furniture handles
**Technical equipment**

**Electrical equipment**
- Control panel for power management and monitoring of liquid levels
- Battery main switch, fault current breaker, safety cut out
- DC power supplied by AGM battery bank
- Battery capacity: 24 V – 630 Ah
- Undervoltage protection
- Charged by vehicle's alternator with charge distributor
- AC-DC charger: 24 V – 30 A
- Inverter 230 V AC, continuous output 3 kW, peak output 6 kW
- International shore power connectors 90 -265 V AC (45 Hz-65 Hz)
- Power plugs for 12V, 24V DC and 230V AC

**Remote monitoring**
- Body batteries: Voltage, battery power, battery capacity, battery temperature, history
- Chassis batteries: Voltage battery power, battery capacity, battery temperature, history
- Generator batteries: Voltage battery power, battery capacity, battery temperature, history
- Position, outside temperature

**Generator**
- Water-cooled Fischer-Panda diesel generator with 3-cylinder diesel engine
- Performance: 11.4 kW / 12.7 kVA
- Fuel prefilter with water separator, heated
- Radiator for hot climates, with post-cooling
- Pressurized cabinet, to protect against water entering, while fording

**Music system/ TV / Video**
- 32” HD LED TV with blu-ray player, Apple-TV and HD-SAT-Receiver in the living room
- Bose Acoustimass with speakers and a Subwoofer in the living room
- 32” HD LED TV with blu-ray player, Apple-TV and HD-SAT-Receiver in the master bedroom
- Bose Acoustimass with speakers and a Subwoofer in the master bedroom
- Satellite TV system with automatic satellite acquisition
- Internet connection with automatic satellite acquisition
**Lighting**
- LED ceiling lights in main room, kitchen, bed, bath and shower
- Reading lights in bed area
- RGB - LED strips in main room
- LED lights for outside storage compartment

**Water supply**
- 600 liters (158.5 US gallons) freeze-proof drinking water tanks
- 60 liters (15.9 US gallons) hot water heat-exchanger with auxiliary electric heater
- All plumbing is insulated to prevent freezing
- Waste water tank, capacity 149 liters (39.4 US gallons), freeze-proof, with drain pump
- City water connector
- Outside shower
- Winterisation

**Toilet**
- Sealand porcelain toilet with water flushing
- Freeze-proof sewage holding tank, capacity 68 liters (18.0 US gallons), with drain pump

**Heating system**
- Diesel powered warm water central heating (5kW) (17,000 btu)
- High radiant heat share due to radiators in living area and sanitary room
- Towel dryer type radiator, mounted in the shower
- Additional heater in bed area
- Antifrost system

**Others**
- 4 Roof-mount air conditioner, performance 3.2 kW (11,000 btu)
- Inset doormat
- Smoke detector
General information

Weight and measures

- GVWR: 17.900 kg (39 463 lbs)
- Dimensions: L 10947 mm (431.0”), W 2480 mm (97.6”), H 3869 mm (152.3”)
  + L 480 mm (18.9”) spare wheel carrier