

7.5 t top-class expedition vehicle for sale

Vehicle data (short form):

- MITSUBISHI FUSO CANTER, all-wheel drive conversion by PFAU KOMMUNALFAHRZEUGE, year of construction 2008, mileage approx. 25,000km
- All-wheel drive: reduction and 3 locks
- Dimensions and weights:
Overall: L 6.2m; W 2.15m; H 3.35m; Wheelbase: 3.15m
Cab: L 3.6m; W 2.15m; H 2.05m (external dimensions)
Permissible total weight: 7.49t
- Motorhome registration; all modifications to the vehicle TÜV-registered
- 2 X 200l diesel plastic tanks;
- Engine: 4899ccm, 132kW, Vmax 95km/h, 6-speed manual gearbox;
- Tires: 305/70 R 19.5; 2 spare wheels; compressed air connection for filling
- Air conditioning in the driver-cab and Truma air conditioning in the living-cab
- Slip-through driver-cab to living-cab
- Motorcycle holder, can be lowered electrically
- Large storage space options, inside and outside
- 3 sleeping berths, seating area for 3 people, large table
- Enclosed wet room with dry toilet (NatureHead), shower facilities
- Eberspächer diesel hot water heater (double), with heat exchanger to the engine cooling circuit
- Compressor refrigerator (110 l) + compressor cool box in the driver-cab
- Water:
2 fresh water tanks (approx. 190 l), 2 waste water tanks (heated)
stage water filter system (Famous Water)
20l hot water boiler (via heating or electric)
- Gas:
50l gas tank (with LPG filling connection)
3-burner gas stove, oven
- Extensive electrical system (largely from Mastervolt) among others: Li-Ion battery (24V/200Ah), solar cells (400Wp)
Combined battery charger/inverter; 60A charging current, 3000W inverter
Alternator-to-battery charging booster, 100A (Sterling)
- Comprehensive documentation

Negotiable: € 139,000

Contact: ma.rohr@mail.de

Location: Near Bayreuth (Germany)

Detailed information about the vehicle: martins-reisemobil.de

Construction history

On the vehicle history of the Canter, first registered on June 2nd, 2008 with the chassis number: WO9P4D28081P08850

This all-wheel drive "Protos A75008S" model was originally bought, converted and operated by the company Fahrzeugbau PFAU as a municipal vehicle with snow plow & cleaning brush & flatbed.

After a private sale from their company's inventory (now bankrupt), a frame extension to a 315 cm wheelbase was implemented during their last company moves according to the buyer/customer's request.

The vehicle then went to the company KERN to receive a precisely fitting galvanized steel intermediate frame with 4-point suspension.

The vehicle then went to the company NOMAD-CAMPER to create a precisely fitting GRP sandwich box with a combined 40/50mm wall thickness on the new intermediate frame according to the customer's specifications.

The rest of the vehicle conversion was mainly carried out by the company itself, with individual components being worked on by local specialist companies.

The final painting was carried out by EISENSCHMIDT.

Finally, the vehicle was fitted with completely new individual tires in size 305/70R19" and the company STAFEA adjusted the suspension springs with new "KONI-HeavyTrack" damping to the new, ready-to-drive empty weight.

Technical description

Total vehicle diesel capacity:

Two plastic diesel tanks with a volume of 200L each with a switching device were mounted on both sides of the Canter outer frame.

The engine was given an additional SWK2000/5 SEPAR water & dirt separator to ensure a reliable fuel supply to the engine even in third world countries with poor fuel quality.

Heating system:

A 5kw EBERSPÄCHER D5W hot water copper pipe floor & wall radiator combination with a synchronously coupled second heater was installed in the living area for immediate switching if the main heating fails.

Friesh water system:

2 custom-made plastic drinking water tanks, each with 87L + 107L, were mounted primarily under the seats. A 4-chamber membrane water pump supplies perfectly purified drinking water to all water outlets via a 3-stage KATADYN filter system with coarse pre-filter and extra activated carbon filter down to 5 microns. A 20L QUICK hot water boiler supplies suitably warm shower and washing water. When the Eberspächer auxiliary heating is in operation, it either heats the domestic water via an integrated heating loop, or optionally a 230/500W heating cartridge that is also screwed internally.

Cooking system:

A 60L LP gas tank mounted transversely in the main canter frame supplies a 3-burner stainless steel interior hob, a stainless steel gas oven and 2 stainless steel individual external cookers with energy via a 30mbar pressure regulator.

Waste water system:

The shower and sink drains flow into a frost-proof 47L plastic inner tank and, if required, into a 60L grey water external tank under the trunk area.

Toilet system:

The compostable dry toilet from NATURE HEAD separates liquid and solid components. The solid components are composted. The urine container holds 8.5L (spare container available). The solids container must be emptied after about 2 weeks (2 people): Into the compost or normal household waste. Flushing is not necessary, but the toilet is odorless.

Solar system:

A total of 400 wp were installed on the roof of the box using 4 built-in, rear-ventilated aluminum/glass panels, which a MASTERVOLT solar controller feeds into the 24V on-board system.

Living-cab battery system:

200 total ampere hours in 24V lithium-ion batteries with the necessary special charging control technology were installed under the right seat.

Vehicle battery system:

On the left Canter outer frame there are 2 OPTIMA 12V/ 50 Ah special batteries with battery main & isolator switch as well as a 2-pin NATO charging socket for quick jump start/assistance access.

Battery charging system:

If the powerful 24V/60A three-phase alternator does not supply all batteries with their charging voltage while driving, then all batteries are charged via a clocked 24V MASTERVOLT battery charger when stationary via a home & campsite mains power supply and are also kept on a standby trickle charge after 100% full charge. At the same time, all installed 230V sockets are supplied with "house voltage".

Artificial 230V on-board power system:

A 2000W MASTERVOLT inverter supplies a clean, smoothed 230V/50Hz alternating current from the 24V battery direct current to all the case sockets as required, so that even sensitive electronic devices such as televisions and computers run without disruption. Operating everything from a hair dryer, razor or small kitchen appliances to 230V drills or angle grinders is also no problem.

Vehicle lighting:

The entire vehicle exterior/interior lighting has been largely converted to the latest LED technology and supplemented by various LED work lights on all sides, including a "panic lighting system with alarm siren".

Driver's cab top box:

This L.1.8 x W.0.6 x H.0.35 cm box was made in a fully insulated, condensation-free aluminum lightweight construction with 2 side-accessible top flaps and is firmly screwed to the driver's cab roof. The box is used to hold light, bulky luggage and at the same time forms a tropical roof against strong UV radiation. The box's interior height was designed to match the diameter of a motorcycle helmet in order to be able to lock away such bulky items safely and dryly.

Slip-through driver's cab to living-cabin:

Between the front seats and the living-cabin benches, both vehicle units were given an aluminum intermediate frame with rubber folding beams and a fixed double door lock. A. to keep the wind & dust & engine noise out of the passenger compartment/trunk and B. to protect the trunk very well against break-ins from the front. This passage can be used quickly from both sides.

Living cabin entrance:

An aluminum and steel pull-out platform was created under the trunk door to make it easy to enter the living cabin, which can be reached via a 4-step aluminum safety step that can be accessed freely from all sides.

Living cabin storage compartment:

Between the spare wheel wall and the entrance door, there is a huge luggage compartment under the high transverse bed that is accessible from both sides. Access flaps and full extensions on both sides make it easy to reach the individual storage boxes and the lashed-down luggage.

Motorcycle rear platform:

In combination with the strong steel intermediate frame, a galvanized steel carriage unit with a floor folding mechanism was implemented. A self-locking 24V electric winch pulls this motorcycle platform up and down via pulleys. Two additional tensioning brackets with a catch secure the lifting unit against shaking and rattling, so that no problems arise even on rough dirt roads with corrugated iron.

Locking system:

All locks on the flaps and doors were fitted with same-key profile cylinders and dust caps.

Window systems:

The living-cabin was fitted with 3 aluminum OUTBOUND double-glazed opening windows with mosquito protection & black-out combination blinds. 3 additional square OUTBOUND insulated glass roof hatches with matching combination blinds ensure perfect ventilation of the entire living area. There are special, precisely fitting OUTBOUND aluminum covers for all roof hatches & windows as additional burglary protection for longer vehicle storage or possible RoRo shipping.

Multimedia:

CONTINENTAL car radio in the case with 2 built-in speakers. A television (21") can receive DVB-T programs via an external antenna.

Mobile internet:

A powerful mobile home network is made possible via an OYSTER CONNECT VISION with an external WiFi and LTE antenna and an inserted SIM card.

Security:

The VODAFONE CONNECT&PROTECT car tracking system enables the vehicle to be tracked after theft

Rear view camera

available

Driver's cab:

air-sprung suspension seats compressor cooler for cold drinks on the go GPS with 2 external antennas on-board electrical monitors

There are further details of the installed electrics, water, solar and sound systems that would go beyond the scope of this exposé.

Detailed information: martins-reisemobil.de

Photo gallery



*Motorcycle platform,
electrically lowerable*



*Stainless steel nut caps and protective
ring*



Storage box and plastic spray tank

3 sleeping possibilities:

Single bed in separate sleeping cabin:



A fold-out bed:



And the seating area that can be converted into a bed



Sitting area



*Kitchenette, electrical unit below;
right access to the sleeping berth*



Kitchen sink



Cutlery and waste bin drawers



Electrical center



Second bed unfolded



Second bed, folded



Tall cupboard with fridge and oven, on the left the door to the bathroom



Access to the driver's cab



Wet room



Stainless steel shower tray



Dry separation toilet



Wet room cabinets above the toilet



Outdoor kitchen



Luggage compartment



Extendable heavy-duty drawers



In the driver's-cab; GPS and tablet



Cooler box in the driver's cab



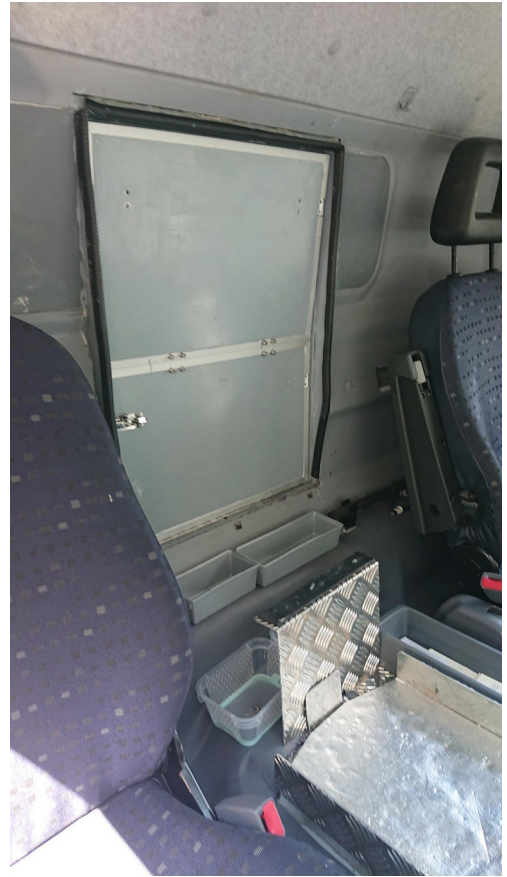
Solar cells and roof hoods



Service hatch right side outside with water and electrical equipment



Step-through living-cabin

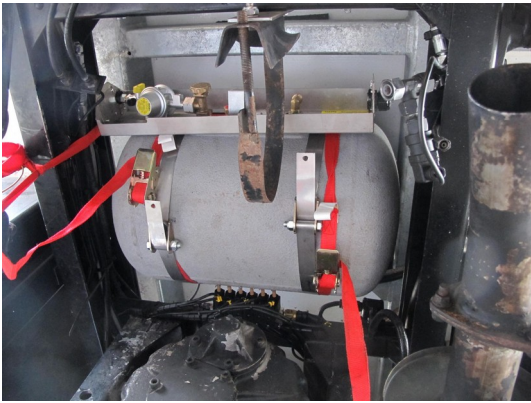


Step-through driver's-cab



The driver's-cab can be easily tilted without having to release any locks and is still sealed





Gas tank, underfloor



Underfloor heating



Motorcycle on the electrically lowerable lifting bridge



strong Koni shock absorbers

Plan Floor plan

Grundriss Untergeschoß 9

1:20

