



Dmix International

Dmix International Ambulance



TECHNICAL SPECIFICATIONS

Vehicle

Vehicle IVECO DAILY OR SIMILAR, 4x4 – high quality version (suitable for all type of terrain) complete of upgraded tyres 255/100 off-Road, with upgraded ground clearance
Complete of: Air conditioning system for driving cab

External Box

STRUCTURE OF THE REAR BOX

Rear box realized type “sandwich”. Internal ed external surfaces has realized in antirusted, waterproof fiber glass resin following EN DIN 12087, and isolated with polyester foam slabs.

The floor of the box is realized with plywood (thickness 7 mm) with high resistance to the compression, and clad by fibreglass resin in light blue color

ACCESSIBILITY

N. 1 side door onto the right side, realized of the box complete of mechanical footboard for accessing to the sanitary box

N. 1 rear double wing door realized with the same material of the box

Rear step for accessing to the box, installed onto

GLASSES for the rear BOX

N. 1 fixed glass onto right door

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- N. 2 fixed glasses onto the double rear wing door
- N. 1 sliding windows installed onto the rear right part
- N. 1 sliding windows installed onto the rear left part

FINISHING

Resin carter installed onto the side lower part of the vehicle for covering the frame to fix the medical box to the vehicle

EXTERNAL

Acoustic /visual system

- N. 1 blue LED/red light bar complete of loudspeaker for primary siren installed onto the driving cab roof
- N. 1 electronic siren 3 tones connected to the double loudspeaker system integrated onto the light bar body
- System for public addressing complete of microphone
- N. 2 blue led lights installed onto the front bumper
- N. 2 side white lights installed onto the upper side of the left and right

- N. 1 rear white light for loading area
- Foldable step installed below the lateral door of the patient's compartment
- Fixed steps installed below the rear doors

DRIVING CAB

- Fire extinguisher kg 2
- Main control unit for managing optical/acoustic system

PATIENT'S COMPARTMENT

The Compartment fittings are smooth and moulded with round edges. They are made of heat-retardant reinforced polyester resin and moulded in white alimentary gelcoat, that is washable, following the European standard EN 1789 and most of all EN ISO 3795 about extinguishing.

Seats

- n. 1 folding seat installed onto the bulkhead complete of 3 points safety belt complete of rotating system. The seat will permit to use the sliding door to connect driving cab and patient's compartment
- n. 1 folding seat on right side, following EN 1789, complete with handle, headrest and three points belts with roller. The seat has 2 different position: towards the stretcher and towards the driving direction.

- n. 1 folding two seated bench installed onto the right wall; the area below the bench will be equipped in order to store medical devices

Air conditioning system

Air conditioning system (hot/cold) AUTOCLIMA for the patient's compartment installed onto the external roof. The system will have a specific additional compressor for feeding the additional evaporator

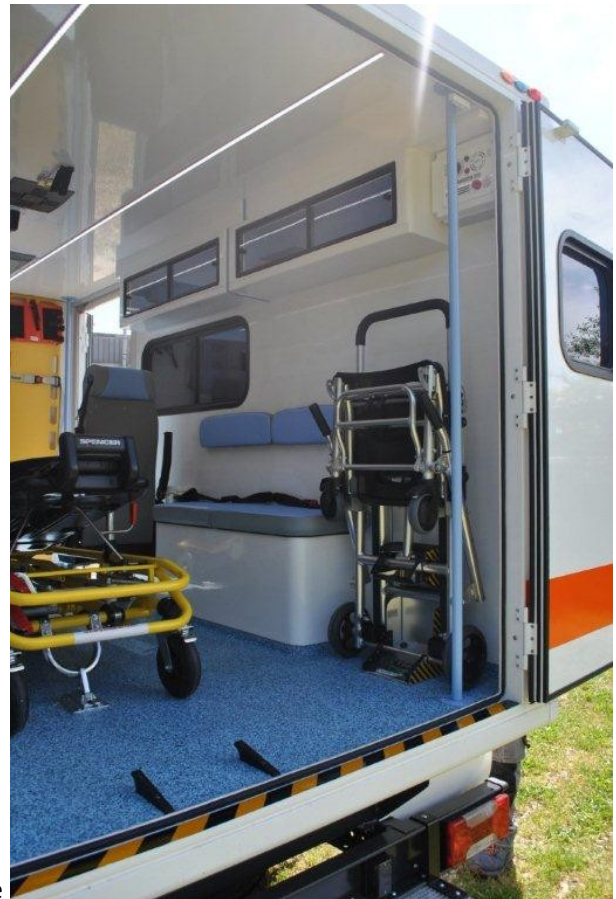
Lighting system

4 ceiling lights installed along the pavilion covering .

All the ceiling lights are powered by the dash panel and the right ceiling lights turn on automatically, opening the rear doors.

The ceiling lights have night blue light and have their own switch on the dashboard

Electric system



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12 VDC circuits are installed to feed all the medical equipment.

The electrical nets is splitted in 4 main circuits:

Electric circuits for external alarm (sirens, blue lights etc,,)

Electric circuits for the patients compartment (ceiling light, blowing suctioning unit, etc...)

Electric circuits for powering systems (220VAC, additional battery and Inverter....)

Electric circuits for communication system (radio, interphone, etc..)

N. 3 sockets 12 VDC installed onto the left fittings

Additional battery complete of battery charger to feed the electrical installation inside the patient's compartment

220VAC system complete of external plug and 2 inner 220VAC plugs
DC/AC converter power 1000W

FITTINGS

The bulkhead is equipped with:

n. 1 folding seat installed onto the bulkhead complete of 3 points safety belt complete of rotating system and its own basement fixed onto the floor

Vertical hand holding device fitted near the right side door

The left wall includes:

N. 2 horizontal fittings for holding medical equipment, complete of slinging windows and/or retaining bar installed onto the upper part

Near the bulkhead will be placed 1 vertical resin fittings complete of drawers and medical equipment

Second vertical module to sink system complete of pump, water basin, external plug for filling tank

N. 2 horizontal fittings complete of sliding windows for holding medical equipment

Near the drawers will be placed a module equipped to hold oxygen cylinders

Lower resin fitting to hold medical equipment

Rear area for storing sedan chair
The right fittings includes:

dashboard for lights and services, with 3 sockets of 12 V d.c.

fire extinguisher 2 kg

Vertical hand holding device installed near the rear doors

Doble seat rear bench complete of 2 points safety belts

Horizontal resin module complete of sliding windows
Flooring

The flooring is made of phenolic multi-layer plywood imputrescible covered with anti-slip and fire-proof resin finished with coloured flakes

Onto the edge of the rear opening there is a steel stainless steel board.

Fitting for main stretcher complete of reinforced plates for fixing the stretcher onto the floor

Pavillion

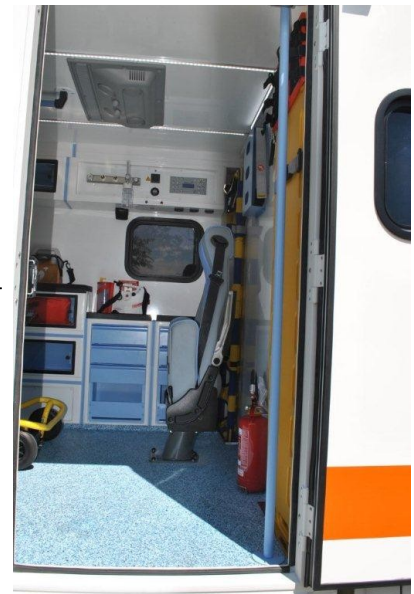
Infusion holder with 2 hooks integrated onto the revetment

4 ceiling lights installed along the pavillion covering;

1 blowing and suctioning aerator – KALORI

1 surgical lamp installed onto the roof

Air conditioning system installed onto the roof complete of distribution system and dashboard integrated onto distribution pannel



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OXYGEN SYSTEM

The oxygen system will be installed onto the left wall near the patient's head.

The stationary oxygen system, following EN 739 CE 0434, includes:

- 2 pressure reducer with manometer
- 2 hoses following EN 793 and checked as in EN 733
- 1 flow switch with 3 position (cylinder 1 – off – cylinder 2)
- 1 low pressure gauge
- 2 quick connection plugs UNI 9507/1989 : 1 is for the lung ventilator

1 flow meter / humidifiers with UNI connection.

ADDITIONAL EQUIPMENT (included in the conversion)

Semiautomatic stretcher SPENCER ENDURO complete of mattress and fixing devices installed onto the vehicle's floor

Foldable sub stretcher MEBER

Semiautomatic defibrillator PROGETTI RESCUE SAM complete of battery and single use plates

Infusional pump SPENCER INJECT

Portable suction unit BOSCARO OB1000 complete of autoclavable jar 1000ml and its own fixing device

Manual ventilation device complete of reservoir and mask



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