TECHNICAL FEATURES AND SELLING POINTS
MODEL 10307 AMBULANCE / TOYOTA HIACE

AMBULANCE MODEL 10307 ON ARAB HEALTH 2007 STAND IN DUBAI

The model 10307 Ambulance Vehicle is designed for transportation of up to two patients and can be equipped as a Rescue Ambulance. It is based on the Toyota Hi-Ace chassis which is made in Japan.

The Ambulance integration is done by RSME in Jeddah Saudi Arabia. The technology of the Ambulance integration conforms to the GCC Standard.

1. Chassis specification

Toyota Hi-ace My 2007, 2.7 liter gasoline engine, 4-cylinders, 16-valve, 2494cc, 100hp @ 3600 rpm, electronic fuel injection, brake discs front, rear drums, WB 3110mm, GVWR 3250kg, Fuel tank 70 liter, Overall length 5380mm, Overall width 1880mm, Overall height 2285mm

2. Fully insulated and sound proof patient compartment

- The Model 10307 Ambulance have a thermal insulation on the walls, high roof, doors and floor.The rear wheel casings are additionally insulated against noise.

3. Fully furnished interior in the patient compartment

- The patient compartment is fully furnished with cover panels made of glass fibre plastic which have a smooth surface and are easy to clean.
- All joints and edges are watertight
- The panel components on ceiling, left wall, right wall and partition wall are built-in and glued securely to the PVC covered plywood floor.
- The integration of cupboards for medical equipment is designed with cupboards made out of the same GVP material so it is a uniform interior which is easy to clean
- In case of damage the GFP panels are easy to repair or to glue
- Behind the wall panels are integrated reinforcements made of plywood which allow additional equipment to be fixed to the walls
- All electric wires and oxygen supply are integrated behind the panels
- The partition wall is stabilized with a strong steel frame. The partition wall has a sliding window for communication and is covered with the GFP panels on both sides. Door in partition could be equipped as an option at extra charge

4. Oxygen Supply

- The 30 ltr. Oxygen cylinder is mounted on the rear end of the patient compartment. The two holders are easy to open. The floor is reinforced with an additional aluminum plate under the cylinder to protect the PVC from damage.
- The piping system is completely integrated between the interior panels and the thermal insulation.
- There is one oxygen outlet in the side wall cupboard and another oxygen outlet is integrated, together with a flow meter, at opposite wall.

5. Electrical System

- The electrical system of the Ambulance integration is based on a circuit card which is mounted in a upper locker component of the patient compartment. It provides a surrey arrangement of fuses and relays of the Ambulance electric.
- The wiring and cables are integrated behind the panels of the patient compartment.
- There are also outlets in the patient compartment integrated in the side wall panels
- A console for switches is located on dash board in the driver cabin
- All the switches are displayed with mark lights and symbols
- Four fluorescent tube lights are integrated in the ceiling.
- An electricity ceiling fan (in/out) creates fresh air in the patient compartment
- One 220volt/1000 amp inverter/battery charger is included with shore line & electric cable.

6. Folding bracket for infusion liquids

- A folding bracket for infusion liquids is integrated in the ceiling, it holds 2 infusion and secures them against swinging

7. Storage compartments and cupboards

- There is a large storage component for scoop stretcher and vacuum mattress beside the stretcher. On its top is a space to put smaller equipment.
- One upper medical cupboard with twin doors for medicine, one EMS station for medical equipment like; a suction pump, one oxygen outlet, one blood pressure device.
- A large storage compartment is also under the folding bench box. The bench box upholstery can be folded 180° degree. The resulting space is mostly used to attach a spare stretcher as a second stretcher. In this case the spare stretcher is stored under the bench box, but it takes only small space of the storage compartment.

8. Seats

- There is a comfortable doctor's seat mounted on the floor at the patient's head. All the switches may be reached while sitting on the chair. The seat comes with seat belt.
- A bench box is mounted on the side wall. Upholstery is foldable with a large storage component under the seat. The bench box comes with seat belts for 2-persons.

9. Emergency alarm equipment

The emergency alarm equipment consists of;

- Light bar with 4 rotating blue or red halogen lights and 100W built-in loudspeaker.
- Siren amplifier, with Yelp and Weil tones
- Ambulance stripes around the car in red.
- Logo according to customer's requirements
- (08) Halogen warning lights on the elevated roof. Additional warning lights could be increased at extra charges.

10. Stretcher(s)

- The Ambulance is equipped with a Pensi platform model 20-21-00 for the main stretcher, made in Finland
- The standard stretcher 2000MA model 32-10-10 Pensi is a portable stretcher with a light and durable glass fibre frame, mattress, belts and adjustable back rest and a wheeled trolley with folding legs. The stretcher trolley has two handles, made in Finland.
- The bench box has a second stretcher, (folding spare stretcher) Pensi emergency stretcher model 31-41-00 which can be stored in the bench box with wheel post.

11. Additional options at extra charges

- Pensi model 22-51-00 hydraulic lifter
- Pensi model 31-20-00 scoop stretcher with belts
- Pensi model 41-10-00 stair chair with belts & wall support
- Pensi model 11-10-00 medical case fully equipped soft and/or aluminum case
- Pensi model TL100/110/120 EMS splint, complete set
- Pensi model TP-225 EMS vaccum matress, complete set
- Weinmann model Accuvac Basic, mobile suction, unit complete.
- Cardiac Science model Power Heart AED Pro G3 defibrilator with disposable battery

Please visit www.pensi.fi to view the Pensi rescue products.