

## SPECIFICATION RT57-03-05-04

### REFRIGIRATION, FREEZER BODY FOR 7TON PAYLOAD TRUCK

A refrigeration, FREEZER body of robust construction, for transporting medical waste and/or mortuary use, complying to the following is required:

The unit must comply to Health and safety standards and Hazard Analysis and Critical Control Points (HACCP) regulations.

A Spill cleaning kit for cleaning up is required.

#### 1. DIMENSIONS:

A minimum body length of 6,500mm and a width of 2,600mm and a height of 2,500mm is required. Tenderers must offer the best body length to suit their chassis without chassis alterations and with a cab to body gap to manufacturers specification, not exceeding 400mm.

Particulars of offer: \_\_\_\_\_

#### 2. MATERIAL:

##### **POLYURETHANE (35 DENSITY)**

Floor: Must be manufactured from mild steel of not less than 4mm.

Sides: Must be manufactured from **POLYURETHANE** not less than 75mm. Kick-plates manufactured from 2.0mm 3CR12 or Aluminium and 600mm high must be fitted.

Doors: Must be manufactured from **POLYURETHANE** not less than 75mm thick.

Particulars of offer: \_\_\_\_\_

#### 3. SIDE AND FRONT:

3CR12 or Aluminium kick-plates is recommended to protect scuffing on the side and front walls internally.

Two **(2)** Air vents of approximately 200mm x 200mm must be fitted on the front wall.

Particulars of offer: \_\_\_\_\_

#### 4. ROOF:

The roof shall be slightly domed with drip rails.

Reflective paint must be use on the roof and floors to reject the radiation coming in from the sun and tar surfaces.

Particulars of offer: \_\_\_\_\_

#### 5. REAR DOORS

Two half-width, full height, rear doors on sturdy hinges must be fitted to the rear end of the body. The doors must be able to swing open around the corners, where they can be locked open along the side by sturdy catches.

Fixed or stripped curtains must be fitted to prevent temp differences when opening body.

Each door must be fitted with extruded multi-seal door gaskets.

Each door must be positively weatherproof when closed.

Each door must be equipped with a three-way power brace locking device.

A drain channel at the entry plate right by the doors **MUST BE INSTALLED** to prevent any liquid flowing out of the body.

Two **(2)** Air vents, one **(1)** on each door, of approximately 200mm x 200mm must be fitted.

Particulars of offer: \_\_\_\_\_

#### 6. FLOOR:

Floor must have finnply (reinforced wood panel) fitted and vacuumed in the floor panel to enable forklift and pallet-jack operations. The floor thickness must not be less than 120mm

The floor must have drain holes that can be opened for cleaning purposes.

Particulars of offer: \_\_\_\_\_

**7. BODY**

The evaporator must be protected with a stainless steel guard.  
Load-lock rails and shoring bars to secure load into loaded position.  
Internal bulkhead protectors

Particulars of offer: \_\_\_\_\_

**8. REFRIGERATION SYSTEMS**

The refrigeration compressor is driven directly off the vehicle crankshaft and will therefore, only provide refrigeration while the vehicle engine is running.

These units must be able to outside power (220V) while the vehicle is parked.  
The control must change automatically to the over road system when the truck ignition is switched on and to the electric standby when the electric mains cable is plugged in and switched on.  
The system must have a Multi temperature setting to be adjusted regarding the requirements.  
Seamless hygienic interior suitable for food products

Particulars of offer: \_\_\_\_\_

**9. TAIL LIFTING SYSTEM**

A tail lifting system must be fitted at the rear with an operating mass not less than 1,000kg

Particulars of offer: \_\_\_\_\_

**10. REAR PANEL:**

A recessed rear panel manufactured from mild steel of not less than 2mm over the full width of the body to house a chevron, number plate and rear light assemblies is required.  
The underrun protection, in accordance with SANS 1055:2007 specification, could be incorporated in the rear panel.

Particulars of offer: \_\_\_\_\_

**11. MUDGUARDS:**

Sturdy, firmly braced mudguards must be fitted behind the rear wheels.

Particulars of offer: \_\_\_\_\_

**12. FINISH:**

All metal shall be thoroughly cleaned and primed and painted with two coats of prime and good quality automotive enamel to match the departments colour spec.

Particulars of offer: \_\_\_\_\_

**13. PROTECTION**

The inside of the body and doors must be fitted with 2.0 mm 3CR12 or Aluminium 600mm high kick plates and Load-lock rails and shoring bars to secure load into loaded position.  
A substantial rear bumper with Docking rubbers must be fitted.  
Two robust roof lights, with waterproof switches and pilot light on the dash panel, must be fitted to the inside of the body. Wiring must be ducted.  
The evaporator must be protected with a stainless steel guard.

Particulars of offer: \_\_\_\_\_

**14. PARTICULARS OF OFFER:**

A detailed sketch or full drawing of the body offered, showing all leading dimensions, must be submitted with tender.

Particulars of offer: \_\_\_\_\_

**15. Optional extra.**

- A Diesel-Electric Unit, that have their own diesel engine and electric motor and are totally self-contained and independent of the prime mover, must be made available as an optional unit.
- A 3 to 5 layer shelve systems, covering the length of the body, must be made available.
- Stainless steel access ladder.
- Stainless steel catwalk.
- Mortuary Storage Racks for children
- Mortuary Storage Racks for adults
- Mortuary Storage Racks for Obese Bodies
- A 3-phase, 380V connection must be made available when required