

### Freezer unit

Our refrigerating machines use the refrigerant, R4D4a, and have an output of 4.8kW.

This can:

- Cool a fully heated car to -30°C within ten hours, at an outside ambient temperature of +5°C or below.

### Conditions

- Room temperature of -30°C
- Ambient temperature of +5°C
- Human-generated heat 100 W/hr
- Involuntary ventilation of 270 W/h

### Output information

- Use 16 A 5-wire fuses

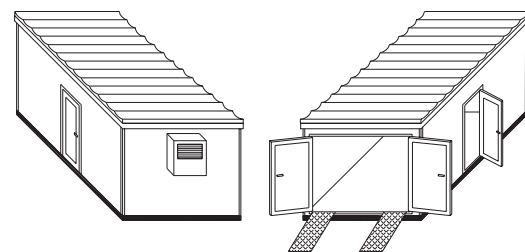
### Other equipment

The cold storage structure is equipped with the following:

- 1 outlet for exhaust gas hose
- 1 cable inlet
- 2 lighting tube fixtures 2 x 40 W each
- 1 three phase electric lead in
- 1 earthed electric socket
- 1 circuit breaker for lighting
- pressure balancing valve
- control panel with a digital thermometer
- 2 drive-on ramps 600 x 1200 m, with means of attachment. Max. 2000 kg.

### Options

Other refrigerating machines with higher output and/or larger cold storage structures may be obtained, upon request.



**Cold storage structure  
- Winter all year long**

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# Cold storage structure – Winter all year long



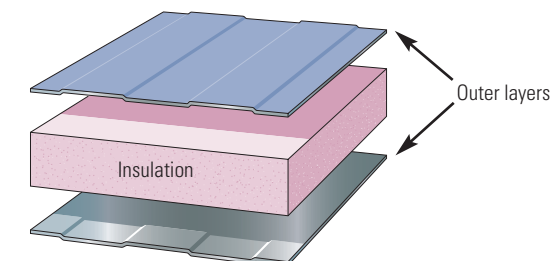
Cold storage structure - standard design



Control panel

## Sandwich technology

Sandwich design uses elements consisting of two outer layers that are glued to an insulating core, using a two-component adhesive. Together, these components form a strong building element.



## Walls

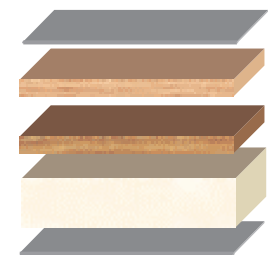
The walls are made up of a 0.6 mm white-lacquered sheets on the inside and outside, glued onto EPS insulation to form a sandwich that is 122 mm thick, and has a K-value of approximately: 0.25.

## Roof

The roof component consists of a ceiling, which is built in the same way as the walls, and an outer roof of galvanised sheet metal. The roof is galvanised to reduce heat absorption.

## Floor

The floor is a sandwich structure, with a white lacquered sheet on the bottom, insulation, and two bearing layers that consist of 9.5 mm birch and 9.5 mm spruce. There is a 3/5 checker plate on top. This makes a total thickness of 148 mm.



## Doors

The pedestrian entrance has a 900 x 2000 mm freezer door. The doors are equipped with frame heating and specially tested locks to prevent the doors from freezing solid due to the very cold temperatures. The double door consists of freezer doors with total dimensions of 2200 x 2500 mm. The double doors too, are equipped with frame heating and specially tested locks.