

The freezing installation is build off:

5 pieces Frascold R-TSL1-80-270Y semi-hermetic screwcompressors with build-in electromotor.

Technical specifications each compressor:

- Cooling capacity : 78 kW at $-35^{\circ}\text{C}/+35^{\circ}\text{C}$
61 kW at $-40^{\circ}\text{C}/+35^{\circ}\text{C}$
- Nom. electr. Power : 60 KW
- Max. electr. Power : 85 KW
- Max. operating current : 140 Amp.

Each compressor (5 pieces) is provided with:

- oil injection system with flow control
- thermistor protection
- compressed gas temperature protection
- phase monitoring
- direction control
- unloaded start
- combined. high/low pressure switch
- suction and discharge valve
- suction gas filter with replaceable cartridge
- economizer connection
- pressure gauge panel with pressure and suction feet (central)

- 1 central oil separator
- 1 thermostatic three-way valve for oil cooling
- 1 liquid subcooler complete
- 1 central dryer/filter drier
- 1 liquid sight glass/moisture indicator
- 1 central liquid receiver, including valves and sight glasses, content 1100 ltr.
- 1 pressure regulator PM 50
- 1 central suction accumulator including liquid spiral

The whole is assembled on a steel frame, freestanding placed on vibration mats in the 20" container.

* **The electrical installation is consisting off:**

- 1 central control panel with dimensions 2000 x 2100 x 400 mm, in which the following is included:
 - head switch 4-pole
 - manual switches for each compressor
 - the necessary contactors
 - the necessary thermal relays
 - the necessary time relay
 - the necessary auxiliary relay
 - the necessary industrial fuse disconnectors DIN 00 and DIN 1
 - the required screw fuses 25 A and 63 A
 - the required signal lamps
 - the required rails, terminals etc.

For the control is housed in the cabinet:

- a Eliwell electronic steps / fan controller for fully automatic pressure controlled raising and shutdown of the compressors. Also, the pressure-controlled switching of the condenser fans is incorporated herein.

The cabinet is calculated on a short-circuit resistance max. 25 kA.