



GENERAL EXPLANATION

This training set is designed to show the basic elements and their working principles found in an industrial cooling set. All pressure and temperature values can be retrieved from the display. System controls can be done with touch screen.

EXPERIMENTS

1. Air-cooled condenser-single evaporator application (capillary tube)
2. Automatic expansion valve
3. Thermostatic expansion valve
4. Electronic expansion valve
5. Air-cooled condenser-double evaporator application
6. Air-cooled condenser-different pressure double evaporator application
7. Water-cooled condenser-water regulating valve single evaporator application
8. Condenser water regulation valve-double evaporator application
9. Water-cooled condenser-water cooling tower-single evaporator application
10. Water-cooled condenser-water cooling tower-double evaporator application
11. Adjustment of the heat exchanger pressure regulator
12. Adjustment of capacity pressure regulator
13. Setting of the condenser pressure regulator
14. Intermittent operation of the condenser fan depending on the condenser pressure switch

DIMENSIONS

A x B x H : 2000 x 600 x 1600 mm

TECHNICAL SPECIFICATION

In this training set, an air cooled and water cooled condenser is used. As expansion valve, automatic expansion, thermostatic expansion, electronic expansion and capillary tube are used. 14 different experiments can be done.

TECHNICAL DETAILS

- Semi hermetic reciprocating compressor
- Air-cooled condenser
- Surface-pipe type water condenser
- Air-cooled evaporator
- Automatic expansion valve
- Capillary tube
- Electronic expansion valve
- Electromechanical control with solenoid valve
- Low-high pressure indicators
- Evaporator, condenser, capacity and heat exchanger pressure regulator
- Fluid storage
- Suction aku
- Water cooling tower
- Step circulation pump
- 11 temperature gauges
- 5 pieces humidity meters

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog