MODULE FOR THE STUDY OF THE ELECTRIC COMPONENTS IN REFRIGERATION PLANTS

Mod. AG/EV

INTRODUCTION

The experimental module mod. AG/EV is designed for students so that they can analyze some connection diagrams of the components of a small refrigeration system such as the compressor starting device, the compressor protector, the thermostat controlling the temperature of a cold room. It also allows to analyze the characteristics and reliability of various electric components that are an important part in the study of a refrigeration system.

TRAINING PROGRAM

- Basic concepts of electricity and wiring in refrigeration systems
- Electric components of a system: symbols and characteristics
- Single-phase systems
- Assembling various electric connection circuits
- Compressor operation troubleshooting
- Determining the electric characteristics of compressor start and run windings
- Fault insertion tests (via the basic module) are also included.

TECHNICAL SPECIFICATIONS

- Tabletop aluminium structure
- Small cold room with door and forced air evaporator
- Colour printed schematic diagram of the hydraulic circuit
- Automatic valve for gas expansion
- Cocks for an easy connection with the basic module
- Compressor electric terminals on the module
- Ammetric and solid-state starting relays
- Start and run capacitors
- Overload protector
- Room temperature control thermostat
- 1 ohmmeter, 1 capacitance meter
- Connecting cables
- Specific supervision software

Dimensions: 74 x 64 x 44 cm
Net weight: 22 kg

REQUIRED

BASE MODULE MOD. AA/EV
- NOT INCLUDED -

SUPPLIED WITH

EXPERIMENTAL HANDBOOK

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