



ZM6120 Semi Hermetic Compressor Trainer

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!



I Introduction

The trainer is properly designed for educational use permits the study of the semi - hermetic compressor applied to the refrigerating plants. Supply software which can monitor voltage, current, frequency, power, power factor, pressure, flow, etc, they can be displayed on PC in real time, and can print report.

II Training Program

- Plant starting and verification of the intervention of the safety devices
- Analysis of the behaviour of the system at the variation of:
 - Compressor rpm
 - Thermostatic valve superheat
 - Air flow at the evaporator and or condenser
- Study of the semi-hermetic compressors
- Determining the power of a compressor
- Drawing the cycle in the pressure -enthalpy diagram of the refrigeration gas
- Data collection and calculation of:
 - Thermal balance at the evaporator, condenser, compressor
 - Mass flow of the refrigerant
 - Volumetric efficiency of the compressor

Supplied with:

English General Refrigeration Manual
English Experimental Handbook