



ZM6134 Computerized Trainer on Thermodynamic Cycle of Compressed Air



I Introduction

This trainer is designed for the in-depth study of air compression cycle and of the relevant energy transfers: It is controlled by a personal computer (supplied on demand) and it includes data acquisition, besides proper transducers and sensors. It is prearranged for the connection with dehumidification trainer 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

Analyzing the pressure/volume diagram of the 1st and 2nd stages with experimental check
Determining the polytropic index 58
Calculating the effective average pressure of the 1st and 2nd stages
Using the T/S diagram of the air to determine the characteristics of thermal cycles experimentally
Checking the safety devices
For detailed study of air characteristics the dehumidification trainer must be connected to this unit.

Supplied with :

English general air-conditioning manual
English experimental hand book

Note :

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