

Refrigeration Compressor Performance Test Trainer

Equipment Overview

- This trainer adopts vapor compression type refrigerating cycle system, which is equipped with intelligent temperature regulator, flow meter, pressure gage, voltmeter, electrical parameter tester, etc.
- It can be used for refrigeration compressor performance parameter measuring experiment and basic refrigerating cycle principle demonstration experiment.
- It is designed according to GB/T 5773-2004 positive displacement refrigeration compressor performance test method, which adopts 'evaporator liquid secondary refrigerant circulation method' for main measuring and 'water-cooling condenser calorimeter method' for auxiliary measuring.
- Safety protection: Voltage mode and current mode leakage protection, overload and overcurrent protection.

Training Content

- Understanding of vapor compression type refrigerating cycle system basic structure and working principle
- Understanding of GB/T5773-2004 positive displacement type refrigeration compressor performance test method
- Calculate the refrigeration compressor refrigerating capacity by using evaporator liquid secondary refrigerant circulation method
- Calculate the refrigeration compressor refrigerating capacity by using water-cooling condenser calorimeter method
- Calculation and analysis of relative error between main/auxiliary measuring
- Calculation and analysis of refrigerating unit energy efficiency ratio

Technical Parameters

1. Input power: Single phase three wire AC220V $\pm 10\%$, 50Hz
2. Installed capacity: <2.5kVA
3. Dimension: 1550mm $\times$ 700mm $\times$ 1850mm (approx.)
4. Refrigerant: R22
5. Refrigerating capacity: 1.3kg

Note :

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



Refrigeration Compressor Performance Test Trainer

Equipment Overview



FRONT



BACK



LEFT

Note :
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RIGHT