



Top Loading Washing Machine Maintenance

Equipment Overview

- This trainer is developed to meet the training requirements for comprehensive vocational ability, such as the air conditioner and refrigerator system pipeline installation, electrical wiring, engineering commissioning, fault diagnosis, etc. It combines the technologies of fluid mechanics, thermodynamics, heat transfer and electric control, which is ideal for the teaching and training of refrigeration related courses.
- With modular design, it mainly consists of guide rail type aluminum alloy platform, air conditioning system, refrigerator system, electrical control system, etc.
- Equipped with thermal protective device, it provides overheating and overload protection for compressor.
- Automatic tripping operation to cut off power supply when the leakage current exceeds a certain value.
- Safety protection: Overvoltage, overcurrent, overload, leakage protection, safety in accordance with related standards.



Training Content

- Pipeline design of air conditioning and refrigerator system (Cutting, bending, expanding, welding, etc.)
- Install the pipeline into right location on air conditioning and refrigerator system
- Accomplish the pressure maintaining, leak hunting of air conditioning and refrigerator system
- Estimate the winding of compressor and accomplish the laying and connection of system circuit
- Air conditioning and refrigerator system vacuumization training
- Air conditioning and refrigerator system refrigerating fluid filling training
- Electrical debugging of air conditioning and refrigerator system
- Working condition adjustment of air conditioning and refrigerator system

Technical Parameters

1. Input Voltage: Single-phase three-wire AC 220V $\pm$ 10%, 50Hz
2. Temperature: -10 $\sim$ 40 $^{\circ}$ C, Below RH 85%
3. Overall power consumption: $\leq$ 1.5KVA
4. Dimension: 1500mm $\times$ 830mm $\times$ 1210mm (approx.)

Tool Kit

- | | | | |
|----------------------------|---------------------|-----------------------|------------------------|
| 1. Portable welding torch | 3. Pipe bender | 5. Adapter | 10. Expand tube reamer |
| 2. Rotary-vane vacuum pump | 4. Dual-gauge valve | 6. Monkey wrench | 11. Cutting-off tool |
| | | 7. Tapeline | 12. Chamfering tool |
| | | 8. Charging hose | |
| | | 9. Socket head wrench | |

Note :

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



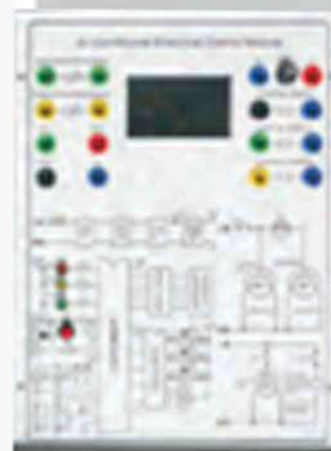
Power supply and instrument module

- (1) Power input: AC220V, with power indicator
- (2) Meter: AC voltmeter 0~250V, ammeter 0~5A
- (3) Power output: 220V, fuse 10A
- (4) Terminals: 4mm sockets 8pcs
- (5) Leakage protection: RCCB
- (6) Size: 245mm×330mm



Air conditioner electrical

- (1) Temperature sensor: indoor, pipeline
- (2) Capacitor: outdoor/indoor fan, compressor
- (3) Terminals: 4mm sockets 16pcs
- (4) Working indicator: red, blue, yellow
- (5) Silk printing: electrical schematic diagram
- (6) Others: push button, 5A fuse, etc.
- (7) Size: 245mm×330mm



Refrigerator electronic temperature control module Refrigerator intelligent temperature control module



- (1) Simulated indicator: pipeline/laundry heater, defrost heater
- (2) Refrigerating/freezing chamber temperature sensor
- (3) Rotary knob: for temperature setting
- (4) Terminals: 4mm sockets 15pcs
- (5) Silk printing: electrical schematic diagram
- (6) Size: 245mm×330mm

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- (1) Simulated indicator: defrost heater, compressor, door lamp, air door, fan
- (2) Sensor: refrigerating/freezing/varying temp chamber temperature sensor, refrigerating/ varying temp chamber defrost sensor
- (3) Terminals: 4mm sockets 22pcs
- (4) Silk printing: electrical schematic diagram
- (5) LCD display module: with mode selection
- (6) Others: toggle switch, 3A fuse, etc.
- (7) Size: 245mm×330mm



Refrigeration & Air Conditioning System



FRONT

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TOP



Refrigeration & Air Conditioning System



BACK



LEFT



RIGHT

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