

Vehicle Air-Conditioning Trainer

LT-QCC012

1. Product overview:

The equipment is based on the Volkswagen Passat B5/Toyota automatic air conditioning system, which fully demonstrates the composition and working process of the automatic air conditioning system. It is suitable for the teaching needs of automatic air-conditioning system theory and maintenance training in middle and higher vocational and technical colleges, general education colleges and training institutions.

2. Main components:

The trainer adopts original auto air conditioning system and uses motor to simulate the engine drive the air conditioning system. It can really show the structure and working principle of the auto air conditioning system.

Training program to be performed

- ✦ the connecting the pipe installation, linking lines, filling referent, supporting the air conditioning pipe cable, disassembly tools, testing, filling the refrigerant supporting tools and diagnosis.
- ✦ Demonstration of the work principle and process of the auto air conditioning system
- ✦ Measurement of the signals of the sensors and actuators by multimeter or oscilloscope
- ✦ Practical exercise of vacuum pumping, refrigerant filling, refrigerant leak detection, etc
- ✦ Fault set and troubleshooting



Note: The Picture pattern just for references may change.

3. Specifications:

- ✦ Dimensions: 1500x1200x1750mm (length×width×height) or customizable as per requirements
- ✦ Input power; AC 220V±10% 50Hz
- ✦ Three phase four wire (three phase five wire 380 ± 10% V 50 Hz)
- ✦ Working power supply; DC 12V
- ✦ Refrigerant: R134a
- ✦ Working temperature: -40°C -. 50°C
- ✦ High pressure gauge:0-3. SMPa

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- ✦ Low pressure gauge•0-1. SMPa
- ✦ Three-phase asynchronous motor
- ✦ Voltage: AC 220V-380V
- ✦ Power: 2.2KW
- ✦ Rotation speed: 1430 r/min
- ✦ Steel pipe: 42x42'5mm
- ✦ Car model: Toyota sedan or equivalent
- ✦ **Equipped with:** Mobile stand with test panel, Ignition switch, High/low pressure gauge, Air conditioning controller, Evaporator assembly, Air compressor, Expansion valve, Dryer ,dry bottle, condenser, assembly ,cooling fan, A/C switch ,blower switch ,stack pluggable cable, supporting disassembly tools, bottle opener ,ring, thermometer brake discs, Suction & Discharge pipe with fittings

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