

Product Name :
Car Air Conditioning System

Product Code :
TK711



Description :

Car Air Conditioning System

Technical Specification :

Car Air Conditioning System

The trainer corresponds to an aftermarket unit mounted on a chassis. Ideal for training in the operation, maintenance, repair and troubleshooting. The system can simulate 4 electrical failures without disconnecting connectors and wires, but by acting on switches which interrupt the following circuits:

Compressor enable signal from pressure switch

Compressor clutch

Cooling fan enable signal from pressure switch

First speed evaporator fan

Main Characteristics:

This trainer integrates the main components of a vehicle air conditioning system. The compressor is driven by an electric motor at mains voltage allowing the execution of the refrigeration cycle and the operation of the entire system.

It is possible monitoring the compressor inlet pressures (low pressure, blue) and the compressor output pressure (high pressure, red) and the temperatures of the condenser and of the evaporator.

Main Features:

Max. power 2 kW

Cooling liquid 400gt Freon R134a

Piston compressor

Condenser
Dehydrating filter
Pressure switch
Expansion valve
Evaporation unit
Resistor
Thermostat
Troubleshooting device for simulation of 4 faults
Nomenclature table

General Characteristics:

Dim. mm (Height x Length x Width) : 1300X1000X750

Weight kg 150

Power supply: AC 220V $\pm$ 10% 50/60 Hz

Working temperature: -40 $^{\circ}$ C ~ +50 $^{\circ}$ C.

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