

Product Name :
Domestic Refrigeration Trainer

Product Code :
DM515



Description :

Domestic Refrigeration Trainer

Technical Specification :

Domestic Refrigeration Trainer

Domestic refrigeration trainer is designed to identify and analyze the behaviour of thermodynamic cycle of domestic refrigerators. Students' attention is focused onto the issues concerning refrigerant condensation that is generally inadequate because of the poor heat exchange due to the low convection occurring in the narrow spaces where domestic refrigerators are usually installed.

Steel structure mounted on wheels, painted and treated in the oven

Colour silk-screen-printed schematic diagram of the hydraulic circuit with warning LEDs

1/10 HP Hermetic compressor

Static wire condenser

Refrigerated room with static evaporator

Thermostat for controlling the room temperature

Capillary tube

On-off valves, sight glass, dehydrator filter

Valve for plant vacuum, refrigerant charging and recovering

Pipes connecting the various components painted with different colours

Full set of instruments for data acquisition, including:-

Flowmeter - high and low pressure gauges- 2 electronic thermometers with probes to be inserted into several test points along the hydraulic circuit- digital multimeter

Thermomagnetic - earth leakage control button

Emergency button

Power supply: 230 Vac 50 Hz single-phase - 150 VA(Other voltage and frequency under request) Net weight:
132-180 kg

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