Product name:	Product code:
Heat Pump Trainer	RLE-0021



Description

Heat Pump Trainer

Technical specification

Refrigeration Cycle. The trainer consists of a hermetically sealed compressor, Water Cooled Condenser, expansion device & water evaporator. CFC Free refrigerant R134a is used in the trainer.
The measuring instruments are provided to measure Temperature & pressure of refrigerant cycle, Refrigerant Flow, Water Flow Rate & Power Supplied to the compressor.

EXPERIMENTAL CAPABILITIES:

- Demonstration of Heat Pump Cycle.
- Calculation of coefficient of performance of Refrigeration & Heating Cycle.
- Plotting Pressure-Enthalpy Diagram.

Product Details:

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Compressor	Hermetically Sealed
Frame	Made of M.S. Square Tubes & Sheets, Welded & Powder coated.
Capacity	0.25 Ton
Power	230V
Condenser	Water Cooled Condenser, Shell & Tube Type
Evaporator	Water Evaporator, Tube in Tube Type
Expansion Device	Capillary Tube
Refrigerant Flowmeter	Glass Tube Rotameter for Refrigerant Flow
Pressure gauge	0 to 300 PSI
Compound gauge	-30 to 150 PSI

The Heat Pump Trainer is designed to study the working of Heat Pump & analyze the performance of Vapor Compression