Product Code . EL-EELE-11280

Refrigeration Test Rig

Description

Refrigeration Test Rig

The test rig is designed for the study of thermodynamics of vapour Compression refrigeration cycle by way of demonstration and experimentation. It has a facility to measure various parameters for experimentation. The set up demonstrates the students about the basic principal of a refrigeration cycle.

Experimentation:-

- To Calculate Co-efficient of performance and draw P-H Diagram.
- To Study the Vapour Compression refrigerator cycle.
- To calculate refrigerant capacity.

Technical Details:-

- Compressor: Hermitically sealed compressor.
- Capacity 1/3 Ton, Kirloskar make.

- Agitator: Compatible capacity.
- Condenser: Air cooled compatible to 1/3 Ton compressor
- Condenser Cooling fan: Compatible capacity with permanent lubricated motor.
- Evaporator: Made of Stainless Steel, Insulated with ceramic wool/P.U.F.
- Rotameter: Range 6 to 60 LPH
- Expansion Device: Capillary Tube, Compatible Capacity.
- Pressure Gauges: 2 Nos. Safety
- Control: Overload and over current protectors for compressor and Time delay circuit.
- Temperature Sensor: RTD PT-100 Type.
- Digital Voltmeter: 0-300 V.

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