

**Product Name :**  
Refrigeration Test Rig

**Product Code :**  
EEZ0039



**Description :**

Refrigeration Test Rig

**Technical Specification :**

Refrigeration Test Rig

The set up demonstrates the students about the basic principal of a refrigeration cycle. 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.

**Experimentation:**

- To calculate refrigerant capacity.

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

#### Utilities Required :

- Electric supply 5A-220 V AC
- Water supply and drainage
- Floor area : 1.5 m x 1m

#### Technical Details :

**Compressor** Hermetic sealed compressor. Capacity 1/3 Ton, Kirloskar make.

**Agitator** Suitable capacity.

**Condenser** Compatible to 1/3 Ton compressor

**Compressor Cooling fan** permanent lubricated motor.

**Evaporator** Stainless Steel, Insulated with ceramic wool/P.U.F.

**Rotameter** 60 LPH

**Expansion Device** Compatible Capacity.

**Pressure Gauges**

**Control** Load and over current protectors for compressor and Time delay circuit.

**Temperature Sensor**

**Control Panel** comprises of

**Digital Voltmeter**

## Electrical and Electronics

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