Product name:	Product code:
Refrigeration Test Rig	EEZ0015



Technical specification

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.
Control Panel comprises of	
Digital Voltmeter	0-300 V

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:

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- 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	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.