

**DESCRIPTION**

- 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.

UTILITY 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.
- Expansion Device : Capillary Tube, Compatible Capacity.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com



- 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
- Digital Ammeter : 0-5 Amp.
- Temperature Measurement channel : Digital Temperature Indicator with multi-switch.
- Instruction Manual : An ENGLISH instruction manual will be provided along with the Apparatus
- All Other accessories like Hand shut off valves, filter drier and Thermostat will be provided.
- All the accessories will be mounted on a rigid base frame made of M.S. and it will be powder coated.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com