

**Product Name :**  
Air Conditioning Test Rig

**Product Code :**  
Conditioning Lab0003



### Description :

Air Conditioning Test Rig

### Technical Specification :

This Laboratory scale working model housed on a M.S. Square tube frame further mounted on a wheels (CI) with instrumentation panel is used i) To study the Vapour Compression Cycle ii) To calculate co-efficient to performance (COP) iii) To evaluate tonnage capacity iv) To study humidification and dehumidification.

01. Hermitically Sealed Compressor  
Capacity : 1.0 Ton
02. Air Cooled Condenser  
Capacity : 1.0 Ton
03. Condenser Cooling Fan  
Capacity : 1/10 HP
04. Rota Meter (Refrigerant R 22) 1 No
05. Hand Shut Off Valves  
Size : 3/8 & 1/4"
06. Filter Drier : DM 50 (3/8 )" Type
07. Energy Meters : 2 NO.
08. Thermostat : 1 NO
09. Pressure/ Compound Gauges  
1 Nos Each. Range : 0 to 300 psi/-30" Hg to + 150 Psi
10. Measuring Instruments
  - a) Digital Temperature Indicator : Ambient to 199.9deg. c.

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- 11. Finned Heater : 1 NO.
  - 12. Electronic Dimmer : 1 NO
  - 13. Hp/Lpcutout : 1 NO.
  - 14. Air Conditioning Duct : 1 SET
  - 15. Steam Generator : 1 SET
  - 16. Anemometer : 1 NO.
- Optional : At Extra Cost Line Voltage Corrector  
Capacity : 4KVA  
Output : 230V+/- 10%

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