

Product Name :
Electrolux Refrigerator Test Rig**Product Code :**
ALABS-A88-005**Description :****Electrolux Refrigerator Test Rig**

The set up demonstrates the students about the basic principal of a vapour absorption refrigeration cycle. The test rig is designed for the study of thermodynamics of vapour absorption refrigeration cycle by measuring temperature at different position.

Experimentation:

To Calculate Co-efficient of performance.

Utilities Required :

Electric Supply : Single Phase, 220 V AC, 50 Hz, 5-15 Amp. combined socket with earth connection.

Bench Area : 1.5 m x 1m

Technical Details :

Sealed Circuit has no moving parts at all, which makes it Silent and very durable.
Refrigerant three fluid system Ammonia(NH3) + Water (H2O) + hydrogen (H2)
Gas SEC, Non –HCFC, Non–FCKW, Non –Freon
Heating System by electric resistance
Evaporator evaporator with facility to determine performance efficiency ratio (PER)
Volume of Cabinet –65 Watts, Electrical Consumption/24 Hrs. –0.8 kWh, Auto Defrost Fuzzy Logic System, Voltage
Temperature Sensor
Digital Voltmeter
Digital Ammeter
Digital Temperature Measuring Indicator with multi-channel switch.
Instruction Manual Instruction manual will be provided along with the Apparatus



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