

Product Name :
Electrolux Refrigerator Test Rig**Product Code :**
ALABS-A104-113**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)

Gases SEC, Non –HCFC, Non–FCKW, Non –Freon

Heating System by electric resistance

Evaporator with facility to determine performance efficiency ratio (PER)

Volume of Cooling –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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