

Product Name :
Electrolux Refrigerator Test Rig

Product Code :
EEZ0007



Description :

Electrolux Refrigerator Test Rig

Technical Specification :

Electrolux Refrigerator Test Rig Manufacturer

Electrolux Refrigerator Test Rig

Description

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 The System has no moving parts at all, which makes it Silent and very durable.

Refrigerant Mixture of three fluid system Ammonia(NH₃) + Water (H₂O) + hydrogen (H₂)

Gases Non-CEC, Non -HCFC, Non-FCKW, Non -Freon

Mode of System Externally heated by electric resistance

Evaporator Coil Type evaporator with facility to determine performance efficiency ratio (PER)

Volume of Cabinet 41 Ltrs., Voltage Input –65 Watts, Electrical Consumption/24 Hrs. –0.8 kWh, Auto Defrost Fuzzy Logic System, Voltage

Temperature Sensor RTD PT-100 Type.

Digital Voltmeter 0-300 V

Digital Ammeter 0-5 Amp.

Temperature Measurement Digital Temperature Indicator with multi-channel switch.

Instruction Manual An ENGLISH instruction manual will be provided along with the Apparatus

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