#### **Product Name :** Astra Scientific General Cycle Air Conditioning Test Rig

#### Product Code : Refrigeration0001



### **Description :**

Astra Scientific General Cycle Air Conditioning Test Rig

#### **Technical Specification :**

The A.C. test rig works on

simple vapour compression refrigeration cycle using R-134a as a refrigerant. The system is fabricated such that student can study all the air conditioning processes. It is also useful to understand working of all the components of system, their performance and control etc.

All the components are mounted

on the display board, so that students can observe their working easily.

### **TECHNICAL SPECIFICATIONS:**

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EXPANSIONTOBECE	
EQRECEBRIC CONRVECTION AIR	COOLED.
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REIBAIGERANT	
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	L DISPLAY.
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<b>\$20 ምድቂያ</b> VOLTS, 50 HZ, 1 PH/	ASE.	
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RATHETSCURRENT		
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RANDEG YHZOETAERROVIDED FO	OR COMPRESSOR	
MANTERIAL2 MM THICK CRCA		

## POWER RING SATING

### LIST OF EXPERIMENTS:

- To evaluate the tonnage capacity of the air conditioning system by enthalpy difference method.
- To evaluate actual and theoretical C.O.P. of the system.
- To plot the refrigeration cycle on P-H & T-S charts.
- To plot the psychometric processes on psychometric charts.



# **Astra Scientific**

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