

## **SPLIT TYPE AIR-CONDITIONING TRAINER**

MODEL: RAC20



### **FEATURES**

- Compact, sturdy and safe design
- Controls temperature, humidity and air movement
- Complete instrumentation for Heat balance

### **DESCRIPTION**

An invaluable aid in the effective understanding of the split type air conditioning trainer. The equipment has a facility to measure various parameters to study the performance characteristics.

### **INSTRUCTION MANUAL**

Self-explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

#### LIST OF EXPERIMENT

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1. Study of split type air conditioning equipment
2. Determination of heat balance of the refrigeration system
3. Study of different states of air on the Psychrometric chart

#### COMPONENTS

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1. Compressor
2. Air cooled condenser
3. Expansion Device
4. Measuring vessel to measure water condensed at dew point conditions
5. Evaporator
6. Energy-meter
7. Temperature Indicator with sensors
8. Pressure gauges
9. H.P. / L.P cut out

#### OPTIONAL ADDITIONAL

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- Rotameter: To measure refrigerant flow
- Refrigeration components cut away model board.

*Note: Details of attachments can be made available on request.*

#### SERVICES REQUIRED

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- Electric supply

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