

RAC07.xls
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DEEP FREEZER TRAINER

MODEL: RAC07



FEATURES

- Compact, comprehensive, sturdy design
- Smooth and silent operation
- Total instrumentation for complete heat balance

DESCRIPTION

An invaluable aid in the effective understanding of the refrigeration process. The trainer is designed for the study of thermodynamics of vapour compression refrigeration cycle and deep freezer concepts. It has a facility to measure various parameters for experimentation.

The well-insulated cabinet deep freezer can be used to study the food preservation phenomenon. The operation and performance characteristics specific to this application are also studied.

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 EXPERIMENTS

1. To determine the refrigeration effect
2. To study the food preservation phenomenon at low temperatures
3. To establish thermal balance based on refrigeration cycle
4. Examination of circuit components and study of their performance

COMPONENTS

1. Compressor
2. Condenser
3. Expansion Device
4. Temperature Indicator with sensors
5. Evaporator
6. Pressure gauge
7. Energy meter
8. Electric Heaters
9. Refrigerant
10. HP/LP Cut-out
11. Thermostat
12. Insulated deep freezer cabinet

OPTIONAL ADDITIONAL

1. Refrigeration components cut away model board.

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

SERVICES REQUIRED

- Electric supply 230 V AC, 50 Hz

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(1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
(2) Photographs are indicative only