

AUTOMOTIVE AIR-CONDITIONING TRAINER

MODEL: RAC18A



FEATURES

- Compact, sturdy and safe design
- Controls temperature, humidity and air movement

DESCRIPTION

An invaluable aid in the effective understanding of the automotive air-conditioning process. The equipment is a car air-conditioning unit, which incorporates a blower, evaporator and air damper with a control chamber.

The trainer is designed to bring out the specific constructional features of an automotive air-conditioning system and 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

1. To study a typical automotive (car) air-conditioning unit
2. To determine COP

COMPONENTS

1. Compressor
2. Prime Mover
3. Expansion Device
4. Temperature Indicator with sensors
5. Evaporator
6. Blower
7. Condenser
8. Electric heater to load the system
9. Pressure gauges
10. Air circulation fan
11. Power Input Measuring Arrangement See NOTE Below
12. HP LP Cut out

NOTE: supplied only if Prime mover is Electric Motor else not supplied

OPTIONAL ADDITIONAL

1. Rotameter to measure refrigerant flow
2. Refrigeration components cut away model board.

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

SERVICES REQUIRED

- Electric supply

NiYo Engineers

Unit 1B, Devgiri Industrial Estate, S. No. 17/1B Plot No. 14, Kothrud, Pune 411 029
INDIA, Tel-91 20 2546 5004, 2546 8051, 2546 7296 Telefax - 91 20 2546 8051
e-mail- sales@niyoindia.com Web: www.niyoindia.com



- (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