



System Features

- Mobile, compact, comprehensive, sturdy design
- Full study of air-conditioners for repairs & servicing.
- Direct reading of temperature, voltmeter and ammeter measurement.
- Circuits with Bold color indication
- A free standing unit for easy installation

System Description

Tesca Air-Conditioning Trainer 32408 is designed to effectively understand the airconditioning processes. Sci-tech Re-Circulating Type Air-Conditioning Trainer 32407 is a comprehensive plant, which incorporates an axial flow fan, damper and test duct sections and electrical control panel. Temperature sensors at various points facilitate psychometric studies.

System Components

- Compressor – reputed make
- Condenser (Air Cooled)
- Expansion Device
- Temperature Indicator
- Evaporator
- Air Heater with regulator
- Electrical control panel
- Rota-meter: To measure refrigerant flow
- 3 in 1 Wattmeter, Ammeter & Voltmeter
- Pressure gauge
- Anemometer.

List Of Experiments

- Study of a typical air-conditioning cycles.
- Determination of Refrigeration Capacity of Compressor.
- Fault creation in circulating pipes (Leakage study)
- Fault creation in condenser coil
- Study for compressor failure
- Study for fan failure
- General Maintenance procedure training
- Gas charging procedure

Operating & Instruction Manual:

- A complete operation & instruction manual is provided along with system. It includes theory, operation & installation instruction.

Services required at site:

- Electric supply 220/230/240 V A.C., 50Hz.
- Tap Water & Drainage
- Floor area of 3.5m x 3.5m(approx.)

Note: Specifications are subject to change.

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