

Product Name : " WINDOW AIR CONDITIONER TRAINER "
Product Code : " R.A.C 52 "



Description :

WINDOW AIR CONDITIONER TRAINER:-

DESCRIPTION:-

This unit consists of a hermetically sealed compressor with air cooled condenser. A capillary are next to condensers followed by medium temperature evaporators. Electrical energy supplied to the compressor can be measured by energy meter.

EXPERIMENTS:-

- Ø To calculate the COP of unit.
- Ø To calculate the refrigerating effect and HP of unit.
- Ø To determine the sensible heat factor of air.

TECHNICAL SPECIFICATION: -

• **Electrical Control** : Main Switch, Voltmeter Digital type, Amp. Meter Digital Panel type, Energy Meter for Compressor input.

- **Digital Temperature:** Provided with RTD thermocouple for various temperature

- **MS Stand:** The unit shall be assembled on heavy duty Angle Iron Base
- **Voltage :** Single Phase 220 Volts 50Hz. AC Supply
- **Manual :** Operation and maintenances manual should be provided along with the supplied Equipment.
- The whole Set-up is mounted on a sturdy frame with control panel.

Technical Specification	Description
Compressor	1 Ton Emerson Hermetically sealed compressor with its standardized accessories.
Condenser	Fined Tube type air cooled condenser with Best Indian make.
Evaporator	Fins and Copper tube type cooling coil of the unit Best Indian make.
Refrigeration	Freon R – 22
Fan Blower Set	Standard make.
Refrigeration Control Panel	a). Sight glass to the flow of liquid refrigerant b).Capillary tube expansion devices. c). Filter cum Drier d). Suction pressure gauge for low-pressure e). Discharge pressure gauge for high-pressure
Electrical Control	Main Switch, Voltmeter Digital type, Amp. Meter type, Energy Meter for Compressor input.
Digital Temperature	Provided with RTD thermocouple for various points.
MS Stand	The unit shall be assembled on heavy duty Angle Iron Base
Voltage	Single Phase 220 Volts 50Hz. AC Supply
Manual	Operation and maintenances manual should be provided along with the supplied equipment.