



This trainer is designed for instructional use to demonstrate and provide hands-on training in the principles and operation of central air conditioning systems. It covers full refrigerant cycles, diagnostic procedures, and troubleshooting, suitable for technical and vocational education environments.

Training Objectives & Capabilities

- Understanding the **Refrigeration Cycle** and **Mollier Diagram**
- In-depth demonstration of **Air Conditioning System Operation**
- Hands-on practice in **System Troubleshooting**
- Familiarization with major HVAC components and instrumentation

Technical Specifications

Component	Specification
Refrigerant Type	R22
Compressor	1/3 HP, 925 BTU, 150 W
Condenser Capacity	Minimum 1660 kcal/h
Evaporator Capacity	380 kcal/h
Sight Glass / Liquid Indicator	PB35 bar / 80°C

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Component	Specification
Strainer / Drier	3/8 inch, threaded type
Pressure Gauges	High: 0–35 kg/cm ² ; Low: 0–15 kg/cm ²
Pressure Switches (x2)	Range: 5–30 kg/cm ² ; Differential: 1.5–10 kg/cm ²
Power Supply	220V AC, 50Hz
Indicators	Super Bright LED indicators for switching status

Educational Use

Ideal for vocational and technical institutions, this trainer supports both theoretical and practical learning by offering:

- Visual representation of refrigerant flow and pressure variations
- Live readings from system gauges and sensors
- Interactive fault diagnosis and resolution exercises

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