

ADVANCED AIR CONDITIONING TRAINER

RT 174

Description:

One of the most important subjects in thermodynamic designing of a building is providing comfort. In this case, designing an air conditioning system is an important issue. By using the air conditioning technology, air flow, air humidity and air speed can be controlled. In other words, you can remove excess of moisture from the air by an air conditioner and automatically keep the necessary heat or cold in the environment to provide comfort for people in the work place or home. The basis of air conditioning is to use equipment such as heaters and evaporators in air chennels. in the way of air canals.

Specifications:

- Inverter for adjusting fan speed
- Pressure transmitters
- PLC and HMI monitoring system
- Specified software
- An air blower
- Air heaters placed before and after the evaporator
- Air channel
- Fan speed adjustment system
- Humidity injection system
- Two test section with transparent walls
- Compressor
- Evaporator
- Electrical control panel with switches and displays
- Condenser
- Heater for steam generating
- Pipes and fittings
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

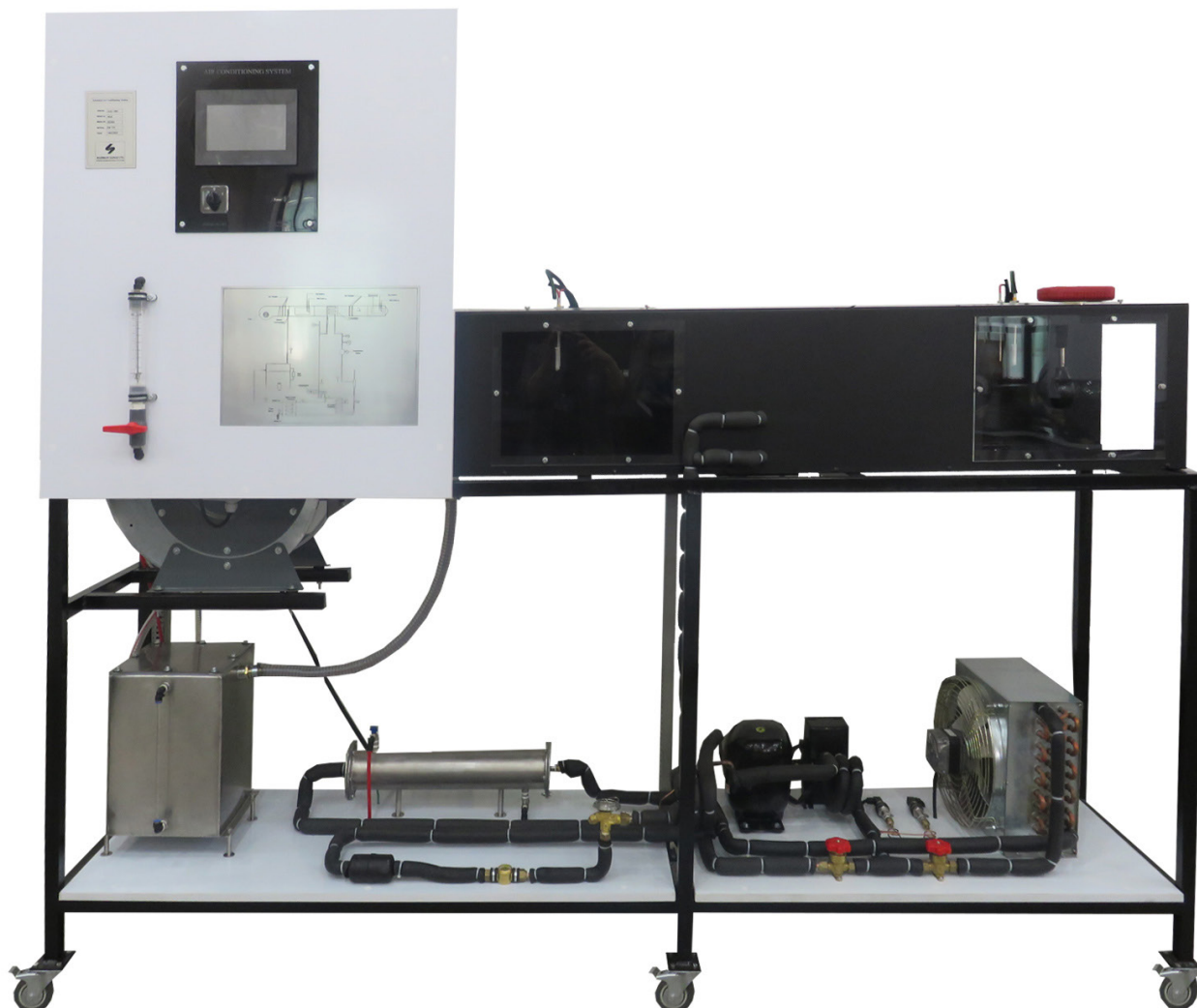
1. The effect of different parameters (speed, temperature, moisture) on the system
2. The effect of different parameters on the wet bulb and dry bulb temperatures
3. Understanding the human comfort conditions like temperature and moisture
4. Data logging and analysis with HMI touch panel

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Required For Operation:

- 3-Phase 25 A Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



Dimensions (L*W*H) mm:2600×600×1850

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