

GENERAL EXPLANATION

This training set is designed to introduce basic functions of a simple air conditioning unit and to apply basic psychrometric operations.

EXPERIMENTS

1. Non-mixed air winter climate
2. Non-mixed air summer climate
3. Mixed air winter climate
4. Mixed air summer climate

DIMENSIONS

A x B x H : 2000 x 750 x 1420 mm

OPTIONAL FEATURES

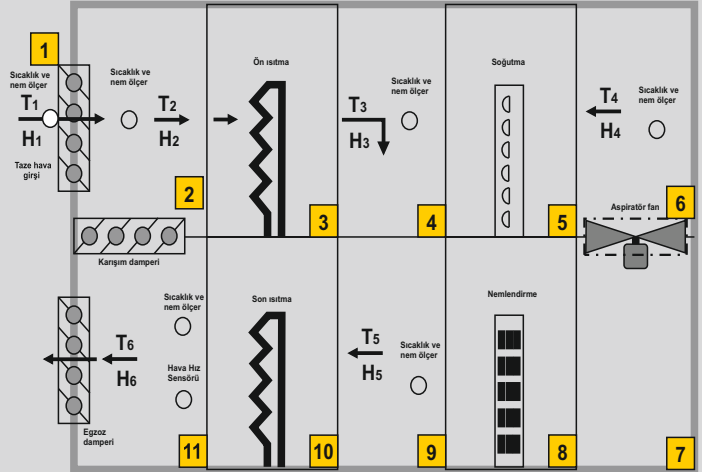
- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog

TECHNICAL SPECIFICATION

The training set consists of lamellar resistance, fresh air, exhaust and mixture air dampers, humidifier unit, air speed meter, evaporator, condenser, temperature and humidity meter. The system is an air handling unit with air heater and cooling unit. The mixing point of the air in two separate features can be found on the psychrometric diagram.



TECHNICAL DETAILS

- 1 kW stainless laminar preheater
- 500 W stainless laminar end heater
- Filling type water spray humidifier
- Hermetic compressor
- Condenser with hood
- Axial fan with fan speed control
- Angle-controlled damper
- Low pressure manometer
- Digital temperature measurement from 6 different points
- Anemometer