AIR CONDITIONING

K-220 MECHANICAL DRAFT COOLING TOWER TRAINING SET

GENERAL EXPLANATION

This training set is designed to demonstrate the working principles of water cooling towers experimentally.

EXPERIMENTS

1. Observation of processes in the cooling tower
2. Calculation of thermodynamic changes in air and water
3. Effect of the cooling load on the " wet chamber method "
4. The relationship between the sagging load and the cooling difference
5. Effect of changes in air velocity on " wet chamber method "

DIMENSIONS

A x B x H : 864 x 600 x 1675 mm

OPTIONAL FEATURES

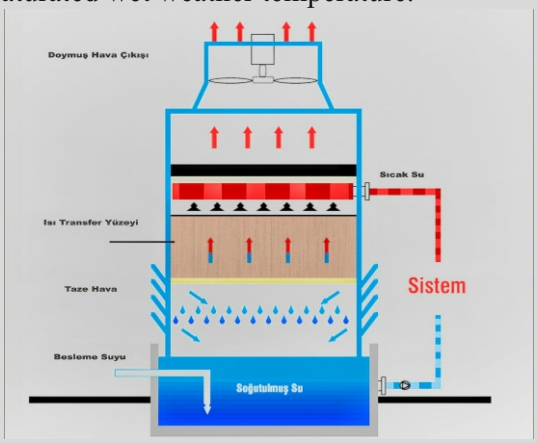
- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

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

TECHNICAL SPECIFICATION

The cooling tower is a heat removal unit. The water cooling towers are sprayed on the hot water from the system and the heat is given to the atmosfere to cool away from the environment. It gives the unwanted heat in the system to the atmosphere by allowing some of the water that passes through to evaporate. The remaining water is cooled down to the desired level. Water cooling halls are a structure working in the direction of heat transfer and fluid mechanics principles. The hot water from the system separates the particles from the filling materials and collides with the outside air entering through the air panel. A part of the water evaporates, and the remaining part becomes enthalpy. Thus, the water temperature sent to the system can be reduced to the saturated wet weather temperature.



TECHNICAL DETAILS

- Coolant build-up resistance
- Cooling load
- Axial fan
- Fan speed control
- Evaporative cooling pump
- 4-point temperature sensor
- 2-point digital relative humidity sensor
- Recirculation pump
- Transparent plexi glass tower