Product name:	Product code:
Forced Draught Cooling Tower	EEZ0019



Description

Forced Draught Cooling Tower

Technical specification

- Blower : Centrifugal type 3 HP.
- Orificemeter : To measure air flow.
- Water circulating pump.
- Set of thermocouples.

Control Panel :

- 12 Channel Digital Temperature Indicator
- Switches for Pump, axial fan, heater,Etc.
- Main On/Off Switch for blower

Range Of Experiments

- To determine Volumetric mass transfer coefficient (hd.a) for air, water
- system in a cooling tower.
- To study the temperature distribution along the height of the tower.
- The experiments can be conducted at various flow rates of Air & Water & calculation can be made accordingly.
- Experiment can be conducted under Induced & Forced Draught condition.
- To determine & compare the efficiency of the tower from Induced & Forced Draught condition.

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Experimental Setup :

- Heater Assembly.
- Cooling Tower size : 300 mm x 300 mm x 1200 mm.
- Packing : Expanded wire mesh (Two sets).
- Rotameter : 1.1 – 11 LPM to measure inlet water flow.`

Induced draught axial flow fan.