

## Tray Dryer Apparatus (EDC-HT-006)

### EXPERIMENTAL DATA:

- Air temperature vs Humidity.
- Air speed vs Humidity.
- Drying process using energy and weighing scale.



### DESCRIPTION:

The apparatus contains a convection process of drying the material using variable air flow method. It contains a duct system with heater and forced air process. LCD control panel is installed with the system to control air speed and display the temperature. Portable weighing unit for measuring the change in the weight of material.

### SPECIFICATIONS:

- Convection drying process.
- Corrosion resistance plates.
- Air adjustable velocity.
- Controlled heating process.
- Humidity and temperature measuring.

### DIMENSIONS AND WEIGHT:

- L x W x H (mm): 2400 X 600 X 1200 approx.
- Weight: 105 kg approx.

### TECHNICAL DATA:

- Drying Channel:
  - Length 2400mm.
  - Dimension 350 x 350mm.
- Fan with variable speed:
  - power: 50W.
  - max. output: 650m<sup>3</sup>/h.
  - max. speed: 850min<sup>-1</sup>.
- Heater with variable heating power:
  - 0 to 6400 W.
- Portable weighing scale:
  - 0 to 30kg.
  - 0.1g resolution.

### SCOPE OF DELIVERY:

- 1 x EDC-HT-006.
- 1 x Instructional Manual.

