Product name:	Product code:
Forced Draft Tray Dryer	Transfer0008



Description

Forced Draft Tray Dryer

Technical specification

Forced Draft Tray Dryer The set-up is designed to demonstrate and stimulate the moisture removal by heat under forced draft action created by hot air stream.
The set-up consists of an insulated double wall chamber. Inside the chamber a tray is attached directly to an electronic weighing balance, which is fitted on top outside the chamber. Material for drying is placed in the tray and regular loss of weight is monitored. Air from blower passes through heating chamber to produce hot air works as the drying agent entered from one side of the chamber and leave the chamber from other side removes the moisture from the tray. An arrangement is made to vary and measure the airflow rate. A digital temperature controller is used to control and measure the temperature of air stream.
>Experiments
Determination of rate of drying of wet sawdust under different conditions of temperature and air flow
Features
Superb Painted structure
Simple to operate & maintain
Compact & stand alone set up
Utilities Required
Electric supply Provide 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing. 5A, three pin socket with switch for weighing scale, 15A, three pin socket with switch for heater
Material Saw dust @ 1Kg.
Anemometer Air flow measurement

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