



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Central Climatization System

**Product Code :**  
LBNY-0005-1170008



www.laboratoryinstrumentindia.com

#### **Description :**

Electrically or manually operated gates allow simulating the fresh air inlet and the presence of one user. Two heat exchangers are assembled inside the air distribution system which allow varying the cooling or heating capacities. The Central Climatization System simulates the indoor air treatment for buildings such as hospitals, schools, hotels. Two fans - one at the air inlet, one at the air outlet - generate an air flow passing in an air distribution system, which has the shape of an H. The unit is supplied with a manual that describes each component of the system, installation and utilization procedures. A chiller complete with a reverse cycle valve feeds the two exchangers with hot or cold water according to the selected cycle.

#### **Experiments:**

Study of a chiller and its functioning as a heat pump  
Study of air flow and air flow measurements.  
Influence of fresh air inlet  
Influence of the air flow  
Summer air conditioning  
Winter air conditioning.

#### **Technical Specification :**

Water supply: from mains, to fill the tank and the circuit.  
Electrical power supply: 380V, three phase and ground, 50/60 Hz, 2.5 kW.  
Weight and dimensions:  
Dimensions: 3000x2500x2000 h mm.  
Weight: 500 kg.



**Laboratory Instrument India**