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Product Name :
Heat Pump Demonstration Unit

Product Code :
LBNY-0005-11700050



Description :

The Demonstration Unit Heat Pump Shows the Operation of a Heat Pump - Air and Water. This Comprehensive Training Equipment, Students Will Be Able to Study the Use of Energy From the Environment to Heat Water. The Refrigerant Absorbs the Ambient Heat Through the Fan of the Evaporator, and There After, This Heat is Transferred to the Water in the Condenser. With The Hot Water Storage Tank is Equipped With Internal Heat Exchanger, Which Can Be Connected to the Energy Exchange With the Flow of Running Water. The System Consists of Compressor, circulation Valve, the Flow Control Valve, The storage, Condenser, Filter and Dryer, Regulator and Evaporator With Fan, Water Flow Meters, temperature and Pressure Sensors With Display in the Key Points of the Circuit.

Technical Specification :

Experimental Capability:

- Observe Reversible Thermodynamic Processes.
- Monitor Temperature and Pressure in the Process.
- Study the Operation of a Heat Pump.
- Study the Main Components of the Heat.
- Open Circuit
- Closed Circuit
- Understand the Use of Accumulated Heat.
- Study the Following Energy Balances.



Laboratory Instrument India