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Product Name :
Domestic Air Conditioning Training Plant

Product Code :
LBNY-0005-14100030



Description :

The has been designed and manufactured to incorporate all current safety standards.
The refrigerant used complies with anti-pollution legislation.
A Domestic Air Conditioning Training Plant for investigating the hydraulic, mechanical and thermodynamic operation of a split-type air conditioning system.

Technical Specification :

Experiments:

Studying the operation of a split-type air conditioner
Studying the operation of cooling and dehumidification modes
Plant start-up and system monitoring using the protection and safety devices incorporated into the pilot plant
Analyzing system behavior and reactions with the variation of:
Evaporator flow rate
ON-OFF control
Operating mode
Set point temperature
Plotting the cycle in a refrigerant pressure-enthalpy diagram
Obtaining data readings and calculation of:
Volumetric compressor efficiency heat balances on air circuit
Heat balances for the evaporator, condenser and compressor
Refrigerant mass flow ideal and actual Energy Efficiency Ratio.



Laboratory Instrument India