

KME 651 Refrigeration & Air Conditioning Lab

LIST OF EXPERIMENTS

1. To study basic components of air-conditioning system.
2. To study different types of expansion devices used in refrigeration system.
3. To determine the coefficient of performance of the refrigeration test rig by using Capillary tube/ solenoid valve.
4. To study different types of evaporators used in refrigeration systems.
5. To study a window air conditioner.
6. To determine the Coefficient of Performance of vapour compression air conditioning test rig by using Capillary tube/ Solenoid valve.
7. To determine the Coefficient of Performance of a Heat Pump.
8. To determine the Coefficient of Performance of an Ice-plant.
9. To study air washer.

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LIST OF EQUIPMENTS

S. No	Equipment Name
1	Refrigeration test rig
2	Air-Conditioning Test Rig
3	Ice Plant Test Rig
4	Mechanical Heat Pump Test Rig
5	Cooling Tower Test Rig
6	Air Washer Test Rig
7	Model of Evaporator
8	Model of Condensers
9	Cut Section of Rotary Compressor
10	Cut Section of Reciprocating Compressor
11	Window Air-Conditioner Test Rig
12	Anemometer
13	Psychrometer