

HEAT PUMP

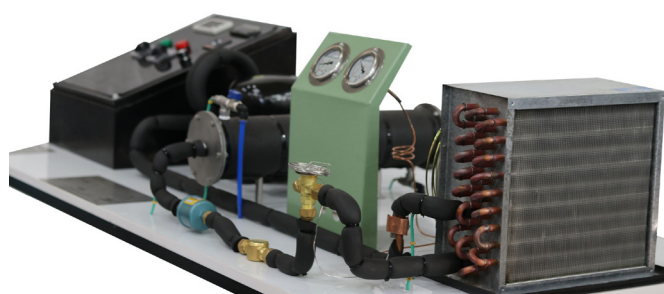
RT 055

Description:

A heat pump is a machine whose work is based on absorbing heat from a low temperature source in the evaporator and delivering this heat in the condenser. By examining the compression refrigeration cycle, it is clearly seen that the heat energy produced by the heat pump is more than the work input to it, therefore, heat pumps can be used in heating systems in order to reduce energy consumption. The source of low temperature in the evaporator is generally water or air.

Specifications:

- Compressor
- Air evaporator
- Water cooled condenser
- Expansion valve
- Rotameter for measuring water flow
- Dryer
- Refrigerant pressure gauges
- K-type thermocouple installed in different parts of the system
- Electrical control panel with switches and displays
- carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty



Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

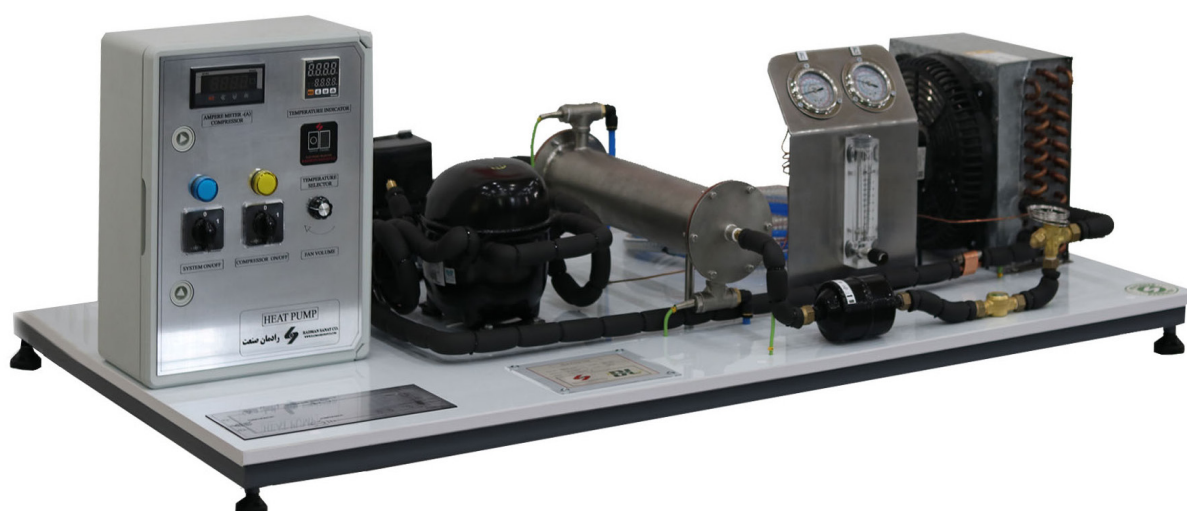
1. investigating basic components of a refrigeration cycle
2. Determining the COP of a heat pump
3. Comparing the actual cycle with the ideal one

Required For Operation:

- 220 v Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature ($^{\circ}\text{C}$): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1500×500×600

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