

## Mechanical Heat Pump



**Product Categories:** [Engineering Equipment](#)

**Product Tags:** [Engineering Equipment](#)

**Product Page:** <https://www.labappara.com/product/mechanical-heat-pump/>

### Product Description

Mechanical Heat Pump - Engineering Equipment

Mechanical components of heat pump are displayed on powder coated fabricated stand.

The primer consists of a hermetically sealed compressor, heat rejection chamber, drier-filter, expansion device, and heat pump absorption chamber.

Hot from the heat absorption chamber in the tank are sucked by the compressor, is compressed and sent to the heat rejection chamber.

Liquid emerging is from the heat rejection chamber passes through the expansion device; it is throttled to low pressure & temperature & sent to heat absorption device where it boils.

A drier filter is in the way to throttling device.

Separate pressure gauges are provided to measure heat absorption device and heat rejection device Pressures at various locations.

Energy meter is provided to measure energy consumed by compressor.

Rotameter in the liquid line is incorporated to measure the refrigerant flow.

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