

Water To Water Heat Pump



Product Categories: [Engineering Equipment](#), [Refrigeration & Air Conditioning Lab](#)

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

Product Description

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Description:

Heat Pump and the refrigerating machine basically work on one and the same principle and with the same components. Heat pump is a machine, which delivers heat at a temperature suitable for domestic, Industrial and Commercial purposes. By added work input from the motor or engine it extracts heat from low-grade source. In many circumstances heat pumps can make valuable contribution to energy conservation. The majority of heat pumps operate on the vapor compression cycle using a refrigerant as the working fluid.

TECHNICAL SPECIFICATION:

Compressor: Hermetically sealed compressor. Capacity 1/3 Ton.

Condenser: Water cooled type shell and coil condenser with refrigerant inside the tube.

Water flow measurement: Provided with individual rota meters and four temperature Sensor for both condenser and evaporator.

Expansion Valve: Capillary Tube, Compatible Capacity.

Safety Control: Overload and over current protectors for compressor and Time

Delay circuit.

Evaporator: Water cooled Compatible capacity.

Temperature Sensor: RTD PT-100 Type.

Digital Voltmeter: 0-300 V

Digital Ammeter: 0-5 Amp.

Temperature Measurement: Digital Temperature Indicator with multi-channel switch.