

Product Name :
Air Water Heat Pump Test Rig

Product Code :
ALABS-A88-002



Description :

Air Water Heat Pump Test Rig

To watch the working foremost of warmth pump cycle.

To decide Precise cooling C.O.P, Carnot C.O.P., Theoretical C.O.P.,
Precise heating C.O.P., Relative C.O.P., Ton of Refrigeration And so on.

To decide the effectivity of the warmth pump device.

Study the working of refrigeration cycle additionally.

Experimental Setup :

-Compressor : ½ Tone, Hermetically sealed compressor, Make Emmelson – Coplend/identical.

-Condenser : Coiled Tube Warmth Exchanger acts as a condenser. Copper

coil is merged in water tank to chill down the fuel temp. Steady water drift circulation is required to extract the warmth of gases.

-Growth software : Thermostatic enlargement valve.

-Evaporator coil : Air Cooled evaporator constituted of copper pipe & Aluminum fins of matching capability with fan.

-Rotameter : For measuring liquid waft of Refrigerant

-Power Meter : For energy size of compressor.

-Power Gauge : 2 Nos. for H.P., L.P. size

-HP/LP cutout : 1 No. to swimsuit compressor.

-Provider valve needle sort : 1 No.

-Thermostat : 1 No.

-Appropriate filter

Keep an eye on Panel :

-12 Channel Digital Temperature Indicator

-Dimmerstat : 230 V. AC single segment for heating keep watch over

-Primary On/Off Swap.

-Voltmeter : zero – 250 V.

-Ammeter : zero – 15 A.



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