

Product Name :
Heat Pump for Cooling and Heating Operation

Product Code :
DM391



Description :

Heat Pump for Cooling and Heating Operation

Technical Specification :

Heat Pump For Cooling And Heating Operation

Different operating modes selectable via solenoid valves

Refrigeration circuit with compressor, condenser (heat exchanger with fan), 2 evaporators with fan (refrigeration and freezing stage)

Glycol-water circuit with tank, pump and coaxial coil heat exchanger

Coaxial coil heat exchanger and heat exchanger with fan can both be used as condenser or evaporator in the refrigeration circuit

1 thermostatic expansion valve each for all heat exchangers and evaporators

1 additional evaporation pressure controller and 1 capillary tube for the refrigeration stage evaporator

Displays for temperature, pressure, flow rate and power consumption of the compressor

Refrigerant mass flow rate precisely calculated via software

Software for data acquisition via USB under windows 10

It has technical data as shown below:

Compressor

Refrigeration capacity: 1561W at 5/40°C

Power consumption: 759W at 5/40°C

Heat exchanger with fan

Transfer area: 1,25m²

Volumetric air flow rate: 650m³/h

Evaporators with fan

Refrigeration stage transfer area: 1,21m², volumetric air flow rate: 80m³/h
Freezing stage transfer area: 3,62m², volumetric air flow rate: 125m³/h
Refrigerant: Environmental friendly and easily available
Measuring ranges
Temperature: 11x -50...150°C
Pressure: 2x -1...15bar, 1x -1...24bar
Flow rate: calculated 2,5...65g/s
Power: 0...1150W
230V, 50Hz, 1 phase.

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003