

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 5/40Â°C
Power consumption: 759W at 5/40Â°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 -50â€¦150Â°C
Pressure: 2x -1â€¦15bar, 1x -1â€¦24bar
Flow rate: calculated 2,5â€¦65g/s
Power: 0â€¦1150W
230V, 50Hz, 1 phase.

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