

Product Name :
Finned Tube Heat Exchanger Water/Air

Product Code :
DM191



Description :

Finned Tube Heat Exchanger Water/Air

Technical Specification :

Finned Tube Heat Exchanger Water/Air
Finned-tube heat exchanger to study convective heat transfer between water and air
Function of the heat exchanger as an air heater or water cooler
Closed hot water circuit with electric heater, thermostat, water tank and pump
Adjustable water and air flow
Determination of the air volumetric flow rate by differential pressure at measuring nozzle
Digital display of temperatures, flow rates and pressure
Software for data acquisition via USB under Windows 10

Technical data:

Finned-tube heat exchanger
Material: Cu/Al
Average transfer surface: 2,80m² (air side)
Output: 2kw
Water temperature: 70Å°C
Pump
Power consumption: 470W
Flow rate: 4,2m³/h
Head: 20,5m
Fan

Power consumption: 0,25kW
Flow rate: 13m³/min
Pressure difference: 430Pa
Water tank: 28L
Heater: 2kW
Thermostat: 80Â°C
Measuring ranges
Temperature: 4x 0â€¦100Â°C
Flow rate: water 0â€¦6m³/h
Pressure: water 0â€¦4bar abs.
Mass flow rate: air 0â€¦250g/s
230V, 50Hz, 1 phase

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