

**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: 2,80m<sup>2</sup> (air side)  
Output: 2kw  
Water temperature: 70Â°C  
Pump  
Power consumption: 470W  
Flow rate: 4,2m<sup>3</sup>/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

## Naugralabequipments

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