

Product Name :
Air Conditioning and Ventilation System

Product Code :
DM141



Description :

Air Conditioning and Ventilation System

Technical Specification :

Air Conditioning and Ventilation System

1. practice-oriented air conditioning and ventilation system with 2 independent system components: main unit and water chiller
2. manual or automatic operation
3. control of the experimental plant using a PLC, operated by touch screen
4. screen mirroring: possible to mirror the user interface on up to 10 end devices
5. main unit: air duct, ventilator, air condition. system
6. air conditioning system with air cooler, electric air heater, humidification
7. hoses connect air cooler to water chiller
8. air duct from hot galvanized sheet with sight window and pressure measurement connections to record pressure curves
9. air duct with filter, multi-leaf damper, ceiling vent, protective grating, vent. grille, fire protect. flap, inspection flap, sound insulation link, smoke detector
10. Environmental friendly and easily available refrigerant

It has technical data as shown below:

PLC: included

Ventilator, EC motor

nominal speed: 2998min-1

power consumption: 0,5kW

volumetric air flow rate: 840â€¹1800m³/h
Air heater, infinitely: 2,4â€¹12kW
Water chiller with scroll compressor
rated cooling capacity: 16,9kW at 15/32Â°C
flow: 2,9m³/h
water tank: 70L
Steam humidifier
steam capacity: 10kg/h
power consumption: 7,5kW
Main duct, Width x Height: 712x508mm
Measuring ranges
pressure: 0â€¹25mbar
400V, 50Hz, 3 phases;

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