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| **Product Name :** | **Product Code :** |
| --- | --- |
| Air Conditioning and Ventilation System | TK541 |

**Description :**

Air Conditioning and Ventilation System

**Technical Specification :**

Practice-oriented air conditioning and ventilation system with 2 independent system components: main unit and water chiller Manual or automatic operation Control of the experimental plant using a PLC, operated by touch screen Screen mirroring: possible to mirror the user interface on up to 10 end devices Main unit: air duct, ventilator, air condition. system Air conditioning system with air cooler, electric air heater, humidification Hoses connect air cooler to water chiller Air duct from hot galvanized sheet with sight window and pressure measurement connections to record pressure curves Air duct with filter, multi-leaf damper, ceiling vent, protective grating, vent. grille, fire protect. flap, inspection flap, sound insulation link, smoke detector Refrigerant R410A, GWP: 2088 Technical Data: PLC: display Ventilator, EC motor Nominal speed: 2998min-1 Power consumption: 0,5kW Volumetric air flow rate: 840…1800m3/h Air heater, infinitely: 2,4…12kW Water chiller with scroll compressor Rated cooling capacity: 16,9kW at 15/32°C Power consumption: 4,5kW at 15/32°C flow: 2,9m3/h water tank: 70L Steam humidifier steam capacity: 10kg/h power consumption: 7,5kW Main duct, W x H: 712x508mm Refrigerant: R410A, GWP: 2088, filling volume: 2,3kg, CO2-equivalent: 4,8t Measuring ranges: Pressure: 0…25mbar 400V, 50Hz, 3 phases; 400V, 60Hz, 3 phases 230V, 60Hz, 3 phases Dimensions and weight: L x W x H: 3900x800x1946mm; 560kg (experimental plant) L x W x H: 1440x600x1500mm; 245kg (water chiller)

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