

ME Series

CANATEC - MOST PREFERRED PRECISION COOLING SOLUTIONS FOR DATA CENTRES

PRECISION COOLING SYSTEMS DUAL CIRCUIT (CHILLED WATER / CHILLED WATER)

CAPACITY : 75kW to 150kW
MODULAR & CUSTOMIZABLE

CANATEC ME Series Dual Circuit systems provide dual cooling configurations for added redundancy, with twin type chilled water configuration. The modular and customizable systems are designed with quality and cutting edge technology for precise cooling and humidity control, ensuring reliability and efficiency for 24/7 operation within the highly sensitive environment. The compact, modular floor standing units offers higher cooling capacity at a smaller footprint with much flexibility, with advantages of an intelligent network and variable speed control, for better optimization of air volume and energy efficiency.

CANATEC ME Series is specially developed for precise environmental control applications :

- › Data Centres / Server Farms
- › Telecommunications facilities
- › Test labs
- › Command Centers
- › Production facilities



FEATURES & BENEFITS

- › **Brushless Backward Curved EC Fan** for maintenance free operation
- › **Automatic Variable Speed controls** for optimal air volume control
- › **Symmetrical A/V Coil Designs** with uniformed air return and low resistance
- › **Electronic Expansion Valves** automatically adjust according to heat load requirements
- › **Upthrow or downthrow air configuration**
Downthrow underfloor fan for optimized air distribution
- › **Intelligent Microprocessor Controller** with multiple monitoring functions and BMS connection capabilities
- › **Co-Work™** Dynamic Network for co-ordinated and backup controls
- › **Modular design and construction** enables easy assembly at site
- › Designed to deliver **greater energy efficiency** using intelligent multi-functional controller
- › **Ease of maintenance** via the front & side panels
- › Option for DC inverter scroll compressor

TECHNICAL DATA

ME SERIES - DUAL CIRCUIT SYSTEM (CHILLED WATER / CHILLED WATER)

Model		080	100	120	140	160	180
DUAL CIRCUIT - METD/U**2E(M) - DB24°C / 50%RH - Chilled Water Inlet Water Temp at 7°C, Outlet Water Temp at 12°C							
Total Cooling Capacity	kW	83.2	105.3	125.6	140.6	158.2	180.5
Sensible Cooling Capacity	kW	72.4	91.6	109.3	122.3	137.6	157.0
Chilled Water Flow Rate	L/s	4.2	5.3	6.4	7.1	8.0	9.0
Pressure Drop	kPa	55	65	85	90	100	118
DUAL CIRCUIT - METD/U**2E(M) - DB28°C / 50%RH - Chilled Water Inlet Water Temp at 10°C, Outlet Water Temp at 15°C							
Total Cooling Capacity	kW	75.7	100.1	114.3	127.9	144.0	164.3
Sensible Cooling Capacity	kW	75.7	100.1	114.3	127.9	144.0	164.3
Chilled Water Flow Rate	L/s	3.9	5.5	5.9	6.5	7.3	8.3
Pressure Drop	kPa	46	65	71	75	84	99
Indoor Fan - Backward Curved EC Fan							
Air Volume	m³/h	20000	23000	30000	33000	36000	38500
Power	kW	6.8	7.0	9.0	9.3	10.0	10.5
External Static Pressure	Pa	75	75	75	75	75	75
Fan Quantity	No.	2	2	3	3	3	3
Heater - PTC Heater				Note: The maximum heating capacity is 30kW			
Power	kW	6	6	6	6	6	6
Humidifier - Electrode Steam Humidifier				Note : The humidification rate is up to 15kg/h			
Humidification Rate	kg/h	8	8	8	8	8	8
Power	kW	6.8	6.8	6.8	6.8	6.8	6.8
Chilled Water Valve - Two Way Valve							
2-Way valve size	mm	42	54	54	54	67	67
Pipe Connection Size							
Chilled Water Inlet / Outlet Pipe	mm	54	54	54	54	67	67
Humidifier Inlet Pipe	mm	6	6	6	6	6	6
Drain Pipe	mm	25	25	25	25	25	25
Electrical Parameters – 380V-420V, 50Hz							
Full Load Current	A	32	32	35.3	36.8	38.8	39.2
Dimensions & Weight							
Length x Depth x Height	mm	1820 x 1000 x 1980		2530 x 1000 x 1980			
Weight	kg	580	630	780	820	850	890

- Please contact our representatives for other requirements.
- The manufacturer reserves the rights to make changes to the product specifications. The data shown above may vary.

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