

CRAC

ME SERIES

PRECISION COOLING – DUAL CIRCUIT CHILLED WATER + CHILLED WATER

CAPACITY : 75kW to 150kW
MODULAR & CUSTOMIZABLE

CANATEC ME Series Dual Circuit (Chilled Water + Chilled Water) provides dual cooling configurations for added redundancy. The compact, modular floor standing unit combines reliable temperature and humidity control with energy efficiency.

CANATEC ME Series is specifically designed for precise environmental control applications:

- Data Centres & Server Rooms
- Production Facilities
- Telecommunications Structures



Key Features

TAILORED SOLUTIONS



ELECTRONIC EXPANSION VALVES

Automatic adjustment according to heat load requirement.



SYMMETRICAL A/V COIL DESIGNS

Uniformed air return and low resistance.



CO-WORK™

Enables main board linkage between units for enhanced backup.



FURTHER CUSTOMIZATION

Option for DC inverter scroll compressor



BACKWARD CURVED EC FAN

Easy to clean for sustained performance.



UPTHROW OR DOWNTHROW

Different options for air distribution according to requirements.



ACCESSIBLE DESIGN

Front & side panels allow for ease of maintenance.



SMART CONTROLLER

Multiple monitoring functions and BMS connection capabilities.

Model		080	100	120	140	160	180
DUAL CIRCUIT - METD/U**2E(M) - DB24oC / 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) - DB28oC / 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	m ³ /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.