

# CRAC ME SERIES

## PRECISION COOLING CHILLED WATER (CW)

CAPACITY :40kW to 180kW  
MODULAR & CUSTOMIZABLE

CANATEC ME Series (Chilled Water) offers compact, modular floor standing units for higher cooling capacity at a smaller footprint. The combination of chilled water and variable speed controls improves EER rating.

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		040	060	080	100	110	120	150	180	190	200
<b>CHILLED WATER – MECU/D**(M) – DB24°C / 50%RH – Chilled Water Inlet Water Temp at 7°C, Outlet Water Temp at 12°C</b>											
Total Cooling Capacity	kW	43.2	62.0	85.5	106.8	122.5	127.5	152.2	180.2	192.3	201.3
Sensible Cooling Capacity	kW	39.2	55.8	77.0	96.1	110.3	116.1	137.0	162.2	173.1	181.2
Chilled Water Flow Rate	L/s	2.2	3.1	4.3	5.4	6.1	7.0	8.4	9.0	9.6	10.0
Pressure Drop	kPa	35	45	53	66	88	92	106	115	118	120
<b>CHILLED WATER – MECU/D**(M) – DB28°C / 40%RH – Chilled Water Inlet Water Temp at 10oC, Outlet Water Temp at 15oC</b>											
Total Cooling Capacity	kW	39.3	56.4	77.8	97.2	111.5	120.1	138.5	164.0	175.0	183.2
Sensible Cooling Capacity	kW	39.3	56.4	77.8	97.2	111.5	120.1	138.5	164.0	175.0	183.2
Chilled Water Flow Rate	L/s	2.0	2.8	4.0	4.9	5.6	6.1	7.0	8.3	8.8	9.2
Pressure Drop	kPa	29	38	44	55	74	74	73	96	99	100
<b>Indoor Fan – Backward Curved EC Fan</b>											
Air Volume	m <sup>3</sup> /h	12800	13500	25000	26500	27500	30200	38500	41500	42000	43500
Power Per Fan	kW	3.2	3.6	5.0	6.0	6.0	7.0	10.5	10.5	10.5	10.5
External Static Pressure	Pa	75	75	75	75	75	75	75	75	75	75
Fan Quantity	No.	1	1	2	2	2	2	3	3	3	3
<b>Heater – PTC Heater</b>											
								Note: The maximum heating capacity is 30kW			
Power	kW	6	6	6	6	6	6	6	6	6	6
<b>Humidifier – Electrode Steam Humidifier</b>											
								Note : The humidification rate is up to 15kg/h			
Humidification Rate	kg/h	8	8	8	8	8	8	8	8	8	8
Power	kW	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
<b>Chilled Water Valve – Two Way Valve</b>											
2-Way valve size	mm	35	42	42	54	54	54	54	67	67	67
<b>Pipe Connection Size</b>											
Chilled Water Inlet / Outlet Pipe	mm	42	42	54	54	54	54	54	67	67	67
Humidifier Inlet Pipe	mm	6	6	6	6	6	6	6	6	6	6
Condensate Drain Pipe	mm	25	25	25	25	25	25	25	25	25	25
<b>Electrical Parameters – 380V-420V, 50Hz</b>											
Full Load Current	A	24.0	24.6	28.4	30.2	30.2	32.2	34.3	36.1	36.5	38.8
Cable Specification	mm <sup>2</sup>	10	10	10	10	25	25	25	25	25	25
<b>Dimensions &amp; Weight</b>											
Length	mm	925	925	1820	1820	1820	1820	2530	2530	2700	2700
Width	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Height	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	kg	380	410	510	550	580	610	650	700	780	810

- 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.