

CRAC

ME SERIES

PRECISION COOLING – DUAL CIRCUIT AIR-COOLED + WATER-COOLED

CAPACITY : 25kW to 90kW
MODULAR & CUSTOMIZABLE

CANATEC ME Series Dual Circuit (Air-Cooled or Water-Cooled) provides dual cooling configurations for additional support in highly sensitive environments.

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.



R407C OR R410A

Higher efficiency reffridgerant.



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		0251	0301	0351	0401	0501	0302	0402	0502	0602	0702	0802	0902	1002
DUAL CIRCUIT – AIR COOLED/CHILLED WATER – MEDU/D** – DB24°C / 50%RH														
Total Cooling Capacity – Air Cooled(DX)	kW	26.2	31.3	35.3	37.9	46.3	29.3	39.1	47.7	57.6	70.6	75.5	90.5	98.4
Sensible Cooling Capacity – Air Cooled(DX)	kW	25.1	29.3	32.5	34.6	42.4	26.9	36.1	43.5	53.0	65.4	68.9	82.3	86.6
DUAL CIRCUIT – WATER COOLED/CHILLED WATER – MEHU/D-DB24°C / 50%RH														
Total Cooling Capacity – Water Cooled	kW	24.3	29.1	35.9	38.3	46.7	29.5	39.5	48.2	58.1	66.6	76.3	91.4	99.5
Sensible Cooling Capacity – Water Cooled	kW	23.3	27.2	33.1	34.9	42.8	27.2	36.4	44.0	53.5	61.0	69.6	83.1	89.7
CONDENSER WATER – Water Inlet Temperature 32°C, Water Outlet Temperature 37°C														
Flow Rate	l/s	1.8	2.1	2.6	2.6	3.1	2.0	2.7	3.5	4.1	4.8	5.2	5.6	6.2
Water Pressure Drop	kPa	60	75	71	71	82	42	48	60	75	81	71	78	82
Water Inlet/Outlet Pipe	mm	35	42	42	42	54	42	42	54	54	67	67	67	67
CHILLED WATER – Water Inlet Temperature 7°C, Water Outlet Temperature 12°C														
Total Cooling Capacity – Chilled Water	kW	31.6	35.8	37.9	40.1	48.1	35.8	40.1	48.1	66.6	77.9	85.1	94.6	101.2
Sensible Cooling Capacity – Chilled Water	kW	27.5	31.1	33.8	35.2	42.6	31.1	35.2	42.6	58.7	69.0	74.4	83.2	90.5
Flow Rate	l/s	1.63	1.84	1.95	2.06	2.47	1.84	2.06	2.47	3.43	4.01	4.38	4.87	5.21
Water Pressure Drop	kPa	52.5	60.0	67.5	78.0	90.0	60.0	78.0	90.0	95.0	98.0	75.0	82.5	90.0
Water Inlet/Outlet Pipe	mm	35	35	42	42	42	42	42	42	54	54	54	54	54
Indoor Fan – Backward Curved EC Fan														
Air Volume	m ³ /h	7200	8610	9520	10320	12610	8610	10650	13010	16950	18200	20640	23180	25220
Power	kW	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0	7.0	7.0
Fan Quantity	No.	1	1	1	1	1	1	1	1	2	2	2	2	2
Scroll Compressor														
Power	kW	9.6	11.6	12.8	14.7	17.1	11.3	14.6	19.2	23.1	25.5	29.3	34.1	34.1
Compressor Quantity	No.	1	1	1	1	1	2	2	2	2	2	2	2	2
Heater – PTC Heater Note : The maximum power for single system is 15kW and 30kW for dual system														
Power	kW	6	6	6	6	6	6	6	6	6	6	6	6	6
Humidifier – Electrode Steam Humidifier Note : The humidification rate is up to 15kg/h														
Humidifying Rate	kg/h	8	8	8	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	6.8	6.8	6.8
Chilled Water Valve – Two Way Valve														
2-way valve size	mm	32	32	40	40	40	40	40	40	50	50	50	50	50
Pipe Connection Size														
Liquid Pipe	mm	16	16	16	16	16	12	16	16	16	16	19	19	19
Exhaust Pipe	mm	22	22	22	22	22	19	22	22	22	22	22	22	22
Humidifier Inlet Pipe	mm	6	6	6	6	6	6	6	6	6	6	6	6	6
Drain Pipe	mm	25	25	25	25	25	25	25	25	25	25	25	25	25
Dimensions and Weight														
Length	mm	1475	1475	1475	1475	1475	1475	1475	1475	1995	1995	2375	2375	2375
Width	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Height	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	kg	520	540	560	580	605	625	655	710	795	835	955	995	1015
Electrical Parameters – 380V-420V, 50Hz														
Full Rate Current	A	41.6	44.6	44.6	44.6	53.4	80	100	100	100	100	125	125	125

- 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.

