

Smart Cooling

(Dual Circuit Air-Cooled/Water-Cooled + Chilled Water)

Compact and reliable

Canatec Smart Cooling (Dual Circuit Air-Cooled/Water-Cooled + Chilled Water) offers efficient cooling and added redundancy.

High-Efficiency V-Coil Design

The advanced V-shaped coil design maximizes heat exchange, providing high cooling capacity within a compact unit.

Robust and Durable

Designed to provide reliable cooling for years to come, reducing the need for frequent replacements or repairs.

Ease of Maintenance

Our CRAC units are designed with front door maintenance making routine checks and part replacements easier.



Cooling Capacity

25kW to 90kW

Recommended for

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

Features & Benefits



2-Way Modulating Valve

Automatic adjustment according to heat load requirement.



Co-Work™

Enables main board linkage between units for enhanced backup.



Easy Access

Front & side panels allow for ease of maintenance.



Optional Drawer Pull-Out EC Fan

Easier to inspect and clean, improving overall sustained performance.



Symmetrical V Coil Design

Maximizes heat exchange, providing high cooling capacity within a compact unit.



Upthrow or Downthrow

Different options for air distribution according to requirements.



Smart Controller

Multiple monitoring functions and BMS connection capabilities.



Further Customization

Option for inverter and non-inverter scroll compressor.

Specifications

Model (SCDU/D****)	0251MV	0301MV	0351MV	0401EV	0501EV	0402MV
Condition	RAT 36°C, CHW 18°C/26°C					
Total Cooling Capacity (kW)	26.7	31.2	33.9	34.9	40.4	38.7
Sensible Cooling Capacity (kW)	26.7	31.2	33.9	34.9	40.4	38.7
SHR	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	7200	8610	9520	10320	12610	10650
CHW Flowrate (L/s)	0.8	0.93	1.02	1.04	1.21	1.16
Power Input (kW)	18.7	20.6	22.0	23.6	26.8	24.7
Condition	RAT 24°C, CHW 7°C/12°C					
Total Cooling Capacity (kW)	35.2	38.8	41.4	41.3	46.4	58.6
Sensible Cooling Capacity (kW)	29.7	34.3	37.1	38.1	44.1	46.6
SHR	0.84	0.89	0.90	0.92	0.95	0.80
Air Volume (CMH)	7200	8610	9520	10320	12610	10650
CHW Flowrate (L/s)	1.68	1.85	1.98	1.97	2.22	2.8
Power Input (kW)	11.0	12.3	13.2	15.3	17.4	17.4
External Static Pressure (Pa)	75					
Fan Type	EC Plug Fan					
Fan Quantity	1					
Refrigerant Type	R410A					
Compressor QTY	1	1	1	1	1	2
Compressor Type	Hermetic Scroll					
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD30A	NACD18A
CU Dimension (WxDxH) in mm	1495x1235x1165	1495x1235x1165	1495x1235x1240	1495x1235x1240	2090x1235x1255	1495x1235x1165
Unit Weight (Kg)	115	115	135	135	195	115
CHW Inlet/Outlet	DN32	DN32	DN40	DN40	DN40	DN40
Refrigerant Piping Size (mm)	22/16	22/16	22/16	22/16	22/16	22/16
Unit Dimension (WxDxH) in mm	880x1000x1980	880x1000x1980	880x1000x1980	1475x1000x1980	1475x1000x1980	1475x1000x1980
Unit Weight (Kg)	520	540	560	580	605	655
Power Supply	380-415V 3PIN 50/60Hz					
Standard Accessories	G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor					
Optional Accessories	ATS, Battery Backup, Power Meter, EPIV/Energy Valve, Smoke Detector, Heater, Fanbox/Fanguard, Air Damper					
Model (SCDU/D****)	0502MV	0602MV	0702MV	0802EV	0902EV	1002EV
Condition	RAT 36°C, CHW 18°C/26°C					
Total Cooling Capacity (kW)	48.8	61.5	65.2	69.9	76.3	81.0
Sensible Cooling Capacity (kW)	48.8	61.5	65.2	69.9	76.3	81.0
SHR	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	13010	16950	18200	20640	23180	25220
CHW Flowrate (L/s)	1.46	1.84	1.95	2.09	2.28	2.42
Power Input (kW)	29.1	38.3	40.8	46.2	51.9	53.3
Condition	RAT 24°C, CHW 7°C/12°C					
Total Cooling Capacity (kW)	66.3	76.4	81.5	82.8	89.0	93.0
Sensible Cooling Capacity (kW)	54.7	67.6	72.1	76.4	83.3	88.5
SHR	0.83	0.89	0.89	0.92	0.94	0.95
Air Volume (CMH)	13010	16950	18200	20640	23180	25220
CHW Flowrate (L/s)	3.17	3.66	3.9	3.96	4.26	4.45
Power Input (kW)	20.6	27.9	29.4	35.0	38.8	40.5
External Static Pressure (Pa)	75					
Fan Type	EC Plug Fan					
Fan Quantity	1	2	2	2	2	2
Refrigerant Type	R410A					
Compressor QTY	2					
Compressor Type	Hermetic Scroll					
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A
CU Dimension (WxDxH) in mm	1495x1235x1165	1495x1235x1165	1495x1235x1240	1495x1235x1240	2090x1235x1165	2090x1235x1255
Unit Weight (Kg)	115	115	135	135	165	195
CHW Inlet/Outlet	DN40	DN50	DN50	DN50	DN50	DN50
Refrigerant Piping Size (mm)	22/16	22/16	22/16	22/19	22/19	22/19
Unit Dimension (WxDxH) in mm	1475x1000x1980	1710x1000x1980	1710x1000x1980	2375x1000x1980	2375x1000x1980	2375x1000x1980
Unit Weight (Kg)	710	795	835	955	995	1015
Power Supply	380-415V 3PIN 50/60Hz					
Standard Accessories	G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor					
Optional Accessories	ATS, Battery Backup, Power Meter, EPIV/Energy Valve, Smoke Detector, Heater, Fanbox/Fanguard, Air Damper					

- 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.