

Smart Cooling (Air-Cooled/Water-Cooled)

Compact and reliable

Canatec Smart Cooling (Air-Cooled or Water Cooled) is a compact but efficient CRAC unit for even the smallest of server rooms. Our modular design allows for customization and upgrades to suit all customer requirements.

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 more easier.



Cooling Capacity

25kW to 100kW

Recommended for

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

Features & Benefits



Electronic Expansion Valves

Automatic adjustment according to heat load requirement.



Co-Work™

Enables main board linkage between units for enhanced backup.



Easy Front 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 or non-inverter scroll compressor.

Specifications

Model (SCAU/D****)	025IMV	030IMV	035IMV	040IMV	045IMV	050IEV	0402EV
Condition							
RAT 36°C, Condenser 40°C							
Total Cooling Capacity (kW)	42.8	48.0	53.5	62.3	67.3	72.2	67.6
Sensible Cooling Capacity (kW)	42.8	48.0	53.5	62.3	67.3	72.2	67.6
SHR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	7200	8300	9520	11590	11590	12610	11650.0
Power Input (kW)	12.3	12.4	15.1	17.8	20.1	22.0	17.9
EER	3.5	3.9	3.5	3.5	3.4	3.3	3.8
Condition							
RAT 24°C, Condenser 40°C							
Total Cooling Capacity (kW)	41.5	45.6	49.9	56.9	64.4	67.9	64.2
Sensible Cooling Capacity (kW)	32.4	36.5	40.5	47.0	51.2	54.7	51.3
SHR	0.78	0.80	0.81	0.83	0.80	0.81	0.80
Air Volume (CMH)	7200	8300	9520	11590	11590	12610	11650
Power Input (kW)	11.3	14.9	16.7	20.1	22.3	24.8	20.4
EER	2.9	2.5	2.4	2.3	2.3	2.2	2.5
External Static Pressure (Pa)	75	75	75	75	75	75	75
Fan Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan
Fan Quantity	1	1	1	1	1	1	1
Refrigerant Type	R410A						
Compressor QTY	1	1	1	1	1	1	2
Compressor Type	Hermetic Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD18A
CU Dimension (WxDxH) in mm	1495x1235x1165	1495x1235x1165	1495x1235x1240	1495x1235x1240	2090x1235x1165	2090x1235x1255	1495x1235x1165
Unit Weight (Kg)	115	115	135	135	165	195	115
Piping Connection Size (mm)	16/16	22/16	22/16	22/16	22/16	22/16	16/16
Unit Dimension (WxDxH) in mm	880x1000x1980	880x1000x1980	880x1000x1980	880x1000x1980	1475x1000x1980	1475x1000x1980	1475x1000x1980
Unit Weight (Kg)	325	380	390	390	410	550	635
Power Supply	380~415V 3PIN 50/60Hz						
Model (SCAU/D****)	0502EV	0602MV	0702MV	0802MV	0902EV	1002EV	1202EV
Condition							
RAT 36°C, Condenser 40°C							
Total Cooling Capacity (kW)	76.5	82.3	103.4	117.4	134.5	147.0	154.9
Sensible Cooling Capacity (kW)	76.5	82.3	103.4	117.4	134.5	147.0	154.9
SHR	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	13560	13750	18200	21500	23180	25820	27500
Power Input (kW)	19.4	22.6	28.3	31.1	37.6	41.0	44.4
EER	3.9	3.7	3.7	3.8	3.6	3.6	3.5
Condition							
RAT 24°C, Condenser 40°C							
Total Cooling Capacity (kW)	71.7	80.5	97.1	108.8	128.7	137.7	144.0
Sensible Cooling Capacity (kW)	58.1	62.5	78.3	89.0	102.4	111.1	117.1
SHR	0.81	0.78	0.81	0.82	0.80	0.81	0.81
Air Volume (CMH)	13560	13750	18200	21500	23180	25820	27500
Power Input (kW)	23.0	26.6	32.1	36.7	42.0	47.6	51.8
EER	2.5	2.4	2.4	2.4	2.4	2.3	2.3
External Static Pressure (Pa)	75	75	75	75	75	75	75
Fan Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan
Fan Quantity	1	2	2	2	2	2	2
Refrigerant Type	R410A						
Compressor QTY	2						
Compressor Type	Hermetic Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD34A
CU Dimension (WxDxH) in mm	1495x1235x1165	1495x1235x1165	1495x1235x1240	1495x1235x1240	2090x1235x1165	2090x1235x1255	2395x1335x1240
Unit Weight (Kg)	115	115	135	135	165	195	234
Piping Connection Size (mm)	16/16	22/16	22/16	22/16	22/16	22/16	22/16
Unit Dimension (WxDxH) in mm	1475x1000x1980	1710x1000x1980	1710x1000x1980	1710x1000x1980	2375x1000x1980	2375x1000x1980	2375x1000x1980
Unit Weight (Kg)	640	645	650	690	855	885	885
Power Supply	380~415V 3PIN 50/60Hz						
Standard Accessories	G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor, Inverter						
Optional Accessories	ATS, Battery Backup, Power Meter, Non-Inverter Compressor, Smoke Detector, Remote Air Sensor in Aisle, Heater, V-Coil Condenser, 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.