

Smart Cooling (Air-Cooled)

Compact and reliable

Canatec Smart Cooling (Air-Cooled) is a compact but efficient unit for even the smallest of spaces. Our modular design allows for customization to suit all requirements.

Space-saving optimization

The high-efficiency V-coil design increases surface area and airflow efficiency, maximizing heat exchange and delivering powerful, consistent cooling within a compact frame.

Built to last, designed for easier upkeep

Our Smart Cooling units are highly durable yet engineered with ease of maintenance in mind. Technicians can access components through thoughtfully designed front and side panels during routine checks to ensure peak efficiency.



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

Easy 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****M/EV)	0251	0301	0351	0401	0451	0501	0402
Condition	RAT 36°C, Outdoor Ambient Temperature 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
Power Input (kW)	12.7	12.8	15.6	18.5	19.6	20.9	18.6
EER	3.4	3.7	3.4	3.4	3.4	3.5	3.6
Condition	RAT 24°C, Outdoor Ambient Temperature 40°C						
Total Cooling Capacity (kW)	41.5	45.6	45.9	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)	11.7	14.9	16.7	20.1	21.0	22.9	20.4
EER	2.8	2.5	2.4	2.3	2.4	2.4	2.5
External Static Pressure (Pa)	75	75	75	75	75	75	75
Fan Type	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 Inverter Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD18A
CU Width (mm)	1495	1495	1495	1495	2090	2090	1495
CU Depth (mm)	1235	1235	1235	1235	1235	1235	1235
CU Height (mm)	1165	1165	1240	1240	1165	1255	1165
CU Weight (kg)	115	115	135	135	165	195	115
Gas Piping Size (mm)	16	22	22	22	22	22	16
Liquid Piping Size (mm)	16	16	16	16	16	16	16
Unit Width (mm)	880	880	880	880	1475	1475	1475
Unit Depth (mm)	1000	1000	1000	1000	1000	1000	1000
Unit Height (mm)	1980	1980	1980	1980	1980	1980	1980
Unit Weight (kg)	520	380	390	390	410	550	635
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.

Specifications

Model (SCAU/D****M/EV)	0502	0602	0702	0802	0902	1002	1202
Condition	RAT 36°C, Outdoor Ambient Temperature 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)	20.1	23.4	29.4	32.3	37.9	40.7	44.0
EER	3.8	3.5	3.5	3.6	3.6	3.6	3.5
Condition	RAT 24°C, Outdoor Ambient Temperature 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	40.8	45.7	49.7
EER	2.5	2.4	2.4	2.4	2.5	2.4	2.4
External Static Pressure (Pa)	75						
Fan Type	EC Plug Fan						
Fan Quantity	1	2	2	2	2	2	2
Refrigerant Type	R410A						
Compressor QTY	2	2	2	2	2	2	2
Compressor Type	Hermetic Inverter Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD34A
CU Width (mm)	1495	1495	1495	1495	2090	2090	2395
CU Depth (mm)	1235	1235	1235	1235	1235	1235	1335
CU Height (mm)	1165	1165	1240	1240	1235	1235	1240
CU Weight (kg)	115	115	135	135	165	195	234
Gas Piping Size (mm)	16	22	22	22	22	22	22
Liquid Piping Size (mm)	16	16	16	16	16	16	16
Unit Width (mm)	1475	1710	1710	2375	2375	2375	2375
Unit Depth (mm)	1000	1000	1000	1000	1000	1000	1000
Unit Height (mm)	1980	1980	1980	1980	1980	1980	1980
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						
Optional Accessories	ATS, Battery Backup, Power Meter, EPIV / Energy Valve, Smoke Detector, Heater, Fanbox/Fanguard, Air Damper						

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