

Smart Cooling (Air-Cooled/Water-Cooled)

Compact and reliable

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

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, 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
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, Condenser 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 Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD18A
CU Dimension	1495*1235*1165	1495*1235*1165	1495*1235*1240	1495*1235*1240	2090*1235*1165	2090*1235*1255	1495*1235*1165
Unit Weight (Kg)	115	115	135	135	165	195	115
Piping Connection Size (mm): Gas/Liquid	16/16	22/16	22/16	22/16	22/16	22/16	16/16
Unit Dimension (WxDxH) in mm	880*1000*1980	880*1000*1980	880*1000*1980	880*1000*1980	1475*1000*1980	1475*1000*1980	1475*1000*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, 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)	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, 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	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 Scroll						
CU Model	NACD18A	NACD18A	NACD22A	NACD22A	NACD26A	NACD30A	NACD34A
CU Dimension	1495*1235*1165	1495*1235*1165	1495*1235*1240	1495*1235*1240	2090*1235*1235	2090*1235*1235	2395*1335*1240
Unit Weight (Kg)	115	115	135	135	165	195	234
Piping Connection Size (mm): Gas/Liquid	16/16	22/16	22/16	22/16	22/16	22/16	22/16
Unit Dimension (WxDxH) in mm	1475*1000*1980	1710*1000*1980	1710*1000*1980	2375*1000*1980	2375*1000*1980	2375*1000*1980	2375*1000*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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