CANATEC

Smart Cooling: Eco
(Air Cooled System)

Compact and reliable

Now with improved sustainability options
Canatec Smart Cooling (Air Cooled System) offers compact but efficient cooling for even the smallest of spaces. Utilizes R454B refrigerant, a sustainable alternative designed to reduce environmental impact. With a GWP value below 500, R454B offers more than a 75% reduction compared to R410A refrigerant.

Enhanced safety considerations
Considers the available room volume to help manage refrigerant concentration in the event of a leak, supporting safer operation based on ASHRAE standards. For safety, the maximum surface temperature of room equipment shall not exceed 700°C and shall not constitute a source of ignition.

Cooling Capacity
33kW to 125kW

Best Fit Use Cases
Data Centres and Server Rooms



Features & Functions

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.

R454B Refrigerant
Next generation refridgerant that reduces environmental impact of cooling systems.

Upthrow or Downthrow
Different options for air distribution according to requirements.

Smart Controller
Multiple monitoring functions and BMS connection capabilties.

Inverter Scroll Compressor
Continuously matches cooling demand, reducing energy consumption.

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Specifications

Model (SCADE***MV)	030	045	060	120
Condition	RAT 36°C, Condenser 40°C			
Total Cooling Capacity (kW)	33.0	45.0	66.0	125.0
Sensible Cooling Capacity (kW)	33.0	45.0	66.0	125.0
SHR	1.00	1.00	1.00	1.00
Air Volume (CMH)	8000	10500	16000	32000
Power Input (kW)	12.1	14.8	23.5	44.5
EER	2.7	3.0	2.8	2.8
External Static Pressure (Pa)	75	75	75	75
Fan Type	EC Plug Fan			
Fan Quantity	1	1	1	2
Refrigerant Type	R454B			
Compressor QTY	1	1	2	2
Compressor Type	Hermetic Scroll			
CU Model	ACS60-A	ACS90-A	ACS60-A	ACS99-A
CU Width (mm)	1545	2345	1545	2345
CU Depth (mm)	1273	1273	1273	1273
CU Height (mm)	1111	1111	1111	1111
CU Weight (kg)	152	226	152	245
Gas Piping Connection Size (mm)	19	19	19	19
Liquid Piping Connection Size (mm)	16	16	16	16
Unit Width (mm)	1130	1130	1580	2280
Unit Depth (mm)	1000	1000	1000	1000
Unit Height (mm)	1975	1975	1975	1975
Unit Weight (kg)	375	500	650	1060
Power Supply	380~415V 3P+1N 50/60Hz			
Standard Accessories	G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor, Inverter Compressor			
Optional Accessories	ATS, Battery Backup, Power Meter, Smoke Detector, Remote Air Sensor in Aisle, Remote Refrigerant Leak Detector, Heater, V-Coil Condenser, Air Damper			

- R-454B refrigerant usage is subject to relevant regulatory requirements.
- More capacities are available. 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.