

CANATEC

Smart In-Row
(Chilled Water)

Right at the source

Close proximity cooling for increased efficiency
Canatec Smart In-Row are compact floor-standing precision cooling positioned between server racks, reducing air travel distance and increasing efficiency. These units offer a space-efficient alternative to larger CRAC equipment, while still providing powerful direct cooling.

Scalable architecture for evolving requirements
Modular design of the Smart In-Row allows for seamless upgrades and integration into common sized racks, while minimizing operational disruptions. This flexibility enables data centers to accommodate for increasing compute densities and evolving thermal demands.

Cooling Capacity
20kW to 60kW per unit

Best Fit Use Cases
Data Centres, High Density Racks, Server Rooms



Features & Functions

Electronic Expansion Valve
Enables main board linkage between units for enhanced backup.

Co-Work™
Enables main board linkage between units for enhanced backup.

Accessible Design
Front & rear panels allow for ease of maintenance.

2-Way Modulating Valve
Automatic adjustment according to heat load requirement. For chilled water units.

Upthrow Configuration
Preferred in high-density environments where raised floor is not available.

Smart Controller
Multiple monitoring functions and interfacing via Modbus RTU protocol.

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Schematic

Model (SRC***)	035	050	075
Condition		RAT 36°C, CHW 18°C/26°C	
Total Cooling Capacity (kW)	9.5	29.6	41.6
Sensible Cooling Capacity (kW)	9.5	29.6	41.6
SHR	1.00	1.00	1.00
Air Volume (CMH)	4500	9000	13000
CHW Flowrate (L/s)	0.33	0.94	1.33
Power Input (kW)	1.2	1.9	2.9
Condition		RAT 30°C, CHW 8°C/15°C	
Total Cooling Capacity (kW)	16.6	41.5	58.9
Sensible Cooling Capacity (kW)	16.6	41.5	58.9
SHR	1.00	0.90	0.91
Air Volume (CMH)	4500	9000	13000
CHW Flowrate (L/s)	0.62	1.49	2.12
Power Input (kW)	1.2	1.9	2.9
External Static Pressure (Pa)	5	5	5
Fan Type		EC Plug Fan	
Fan Quantity	6	2	3
CHW Inlet/Outlet (mm)	DN32	DN40	DN40
Unit Width (mm)	300	600	600
Unit Depth (mm)	1200	1200	1200
Unit Height (mm)	2200	2200	2200
Unit Weight (kg)	155	300	320
Power Supply		380~415V 3PlN 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, Remote Air Sensor in Aisle, Heater	

- 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..