

Smart In-Row (Chilled Water)

Right at the source

Canatec Smart In-Row are compact floor-standing precision cooling positioned between server racks. These units offer a space-efficient alternative to larger CRAC equipment, while still providing powerful direct cooling.

Its modular design allows seamless upgrades without disrupting operations. This flexibility enables data centers to evolve as computing demands and thermal loads increase.

Cooling Capacity

20kW to 60kW

Recommended for

- Data Centres
- High-density Racks
- Server Rooms
- Production Racks
- High Computing Power Racks



Features & Benefits



Electronic Expansion Valve

Regulates according to the amount of cooling required. For air-cooled units.



2-Way Modulating Valve

Automatic adjustment according to heat load requirement. For chilled water units.



Co-Work™

Enables main board linkage between units for enhanced backup.



Upthrow Configuration

Preferred for dense environments where raised floor is not available.



Accessible Design

Front & rear panels allow for ease of maintenance.



Smart Controller

Multiple monitoring functions and interfacing via Modbus RTU protocol.

Specifications

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 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, 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..