

Smart In-Row (Chilled Water/Air-Cooled)

Right at the source

Canatec Smart In-Row comprises of compact floor standing units engineered specifically for high density loads. Precision in-row cooling placed right at the heat source allows for direct cooling and minimizes hot air & cold air mixing. Efficient airflow paths increase efficiency to ensure better energy savings.

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***) (Chilled Water)	035	050	075	
Condition	RAT 36°C, SAT 24°C, CHW 18°C/26°C			
Total Cooling Capacity (kW)	5.6	22.5	36.8	
Sensible Cooling Capacity (kW)	5.6	22.5	36.8	
SHR	1.00	1.00	1.00	
Air Volume (CMH)	1450	5800	9500	
CHW Flowrate (L/s)	0.17	0.67	1.10	
Power Input (kW)	0.2	1.3	2.1	
Condition	RAT 24°C, SAT 12°C, CHW 7°C/12°C			
Total Cooling Capacity (kW)	9.4	31.8	49.1	
Sensible Cooling Capacity (kW)	8.1	27.5	42.4	
SHR	0.86	0.86	0.86	
Air Volume (CMH)	2000	6800	10500	
CHW Flowrate (L/s)	0.45	1.52	2.35	
Power Input (kW)	0.4	1.5	2.3	
External Static Pressure (Pa)	5	5	5	
Fan Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	
Fan Quantity	6	2	3	
CHW Inlet/Outlet	DN32	DN40	DN40	
Unit Dimension (WxDxH) in mm	300x1200x2200	600x1200x2200	600x1200x2200	
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, EPV/Energy Valve, Smoke Detector, Remote Air Sensor in Aisle, Heater			
Model (SRA***V) (Air-Cooled)	025	035	045	060
Condition	RAT 36°C, Condenser 40°C			
Total Cooling Capacity (kW)	23.5	38.5	41.2	61.4
Sensible Cooling Capacity (kW)	23.5	38.5	41.2	61.4
SHR	1.00	1.00	1.00	1.00
Air Volume (CMH)	3600	6500	7310	10965
Power Input (kW)	7.5	13.5	14.7	22.0
EER	3.1	2.8	2.8	2.8
Condition	RAT 24°C, Condenser 40°C			
Total Cooling Capacity (kW)	18.9	28.5	30.2	43.1
Sensible Cooling Capacity (kW)	15.4	24.6	26.4	39.2
SHR	0.82	0.86	0.87	0.91
Air Volume (CMH)	3600	6500	7310	10965
Power Input (kW)	8.8	11.3	12.6	17.5
EER	1.8	2.2	2.1	2.2
External Static Pressure (Pa)	5	5	5	5
Fan Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan
Fan Quantity	6	2	2	3
Refrigerant Type	R410A			
Compressor QTY	1			
Compressor Type	Hermetic Scroll			
CU Model	NACD22A	NACD26A	NACD30A	NACD34A
CU Dimension (WxDxH) in mm	1495x1235x1275	2090x1235x1165	2090x1235x1255	2395x1335x1240
Unit Weight (Kg)	135	165	195	234
Piping Connection Size (mm)	16/12	19/16	19/16	22/16
Unit Dimension (WxDxH) in mm	300x1200x2200	600x1200x2200	600x1200x2200	600x1200x2200
Unit Weight (Kg)	300	350	380	420
Power Supply	380-415V 3PIN 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, Heater, V-Coil Condenser			

- 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.