

Smart Nano (Air-Cooled)

Minimal space, maximum cooling

Canatec Smart Nano is engineered to deliver powerful cooling in space-limited environments, making it ideal for server rooms and high-density small-to-medium data facilities.

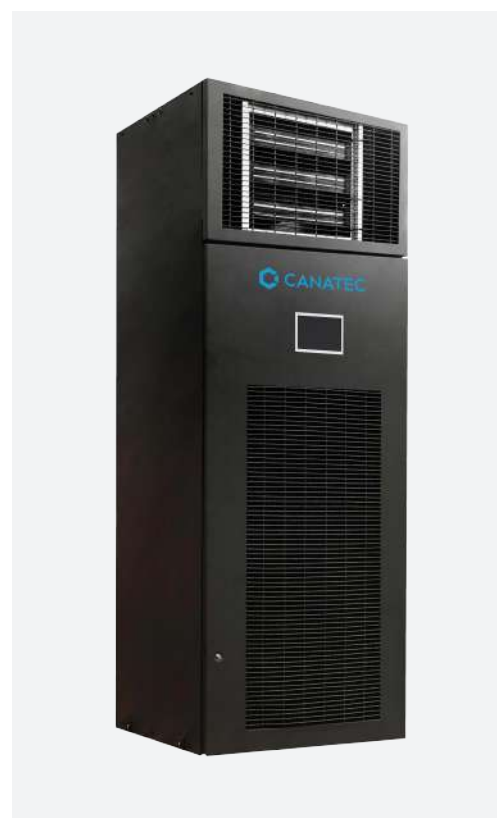
With precise temperature and humidity control, our Smart Nano units maintain stable conditions even under demanding loads. It supports both cold and hot aisle configurations, ensuring efficient airflow management across varying layouts.

Cooling Capacity

10kW to 40kW

Recommended for

- Data Centres
- Test Labs
- Server Rooms
- Command Centres



Features & Benefits



Electronic Expansion Valve

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



Co-Work™

Enables main board linkage between units for enhanced backup.



Accessible Design

Front & rear panels allow for ease of maintenance.



Cold/Hot Aisle Compatible

Suited to different data centre layouts and cooling requirements.



Upthrow Configuration

Preferred for dense environments where raised floor is not available.



Smart Controller

Multiple monitoring functions and interfacing via Modbus RTU protocol.

Specifications

Model (SNA**)	07	12	15	20
Condition	RAT 36°C, Condenser 40°C			
Total Cooling Capacity (kW)	12.8	17.3	26.2	30.7
Sensible Cooling Capacity (kW)	12.3	17.3	25.5	30.7
SHR	0.96	1.00	0.97	1.00
Air Volume (CMH)	2000	3000	4000	5000
CHW Flowrate (L/s)	3.1	5.0	6.0	6.9
Power Input (kW)	4.0	3.5	4.3	4.5
Condition	RAT 36°C, Condenser 40°C			
Total Cooling Capacity (kW)	9.6	12.5	20.4	23.4
Sensible Cooling Capacity (kW)	7.6	10.8	16.3	19.6
SHR	0.79	0.86	0.80	0.84
Air Volume (CMH)	1900	2200	4200	4900
CHW Flowrate (L/s)	3.1	5.0	6.0	6.9
Power Input (kW)	2.5	2.2	2.7	2.8
External Static Pressure (Pa)	30	30	30	30
Fan Type	EC Plug Fan			
Fan Quantity	1	1	1	1
Refrigerant Type	R410A			
Compressor QTY	1			
Compressor Type	Hermetic Scroll			
CU Model	NACD04J	NACD05J	NACD12J	NACD12J
CU Width (mm)	790	790	1320	1320
CU Depth (mm)	355	355	560	560
CU Height (mm)	828	1228	1140	1140
Unit Weight (kg)	70	80	85	85
Piping Connection Size (mm): Gas	12	12	16	16
Piping Connection Size (mm): Liquid	9.52	9.52	12	12
Unit Width (mm)	600	600	750	750
Unit Depth (mm)	560	560	750	750
Unit Height (mm)	2000	2000	2000	2000
Unit Weight (kg)	170	185	200	210
Power Supply	380-415V 3PIN 50/60Hz			
Standard Accessories	Upthrow Configuration, G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor			
Optional Accessories	ATS, Battery Backup, Power Meter, EPIV / Energy Valve, Smoke Detector, 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..