

Smart Nano (Air-Cooled)

High density cooling system

Canatec Smart Nano combines is designed for tight spaces and especially suitable for server rooms and high-density small-to-medium data facilities.

Our Smart Nano units offer precise temperature and humidity control in a compact, reliable unit further powered by Co-Work network capability and user-friendly HMI interface.

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 & side 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
Power Input (kW)	3.1	5.0	6.0	6.9
EER	4.0		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
Power Input (kW)	3.1	5.0	6.0	6.9
EER	2.5	2.2	2.7	2.8
External Static Pressure (Pa)	30			
Fan Type	EC Plug Fan			
Fan Quantity	1			
Refrigerant Type	R410A			
Compressor QTY	1			
Compressor Type	Hermetic Scroll			
CU Model	NACD04J	NACD05J	NACD12J	NACD12J
CU Dimension	790*355*828	790*355*1228	1320*560*1140	1320*560*1140
Unit Weight (Kg)	70	80	85	85
Piping Connection Size (mm): Gas/Liquid	12/9.52	12/9.52	16/12	16/12
Unit Dimension (WxDxH) in mm	600*560*1850	600*560*1850	750*750*2000	750*750*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, Non-inverter Compressor			
Optional Accessories	ATS, Battery Backup, Power Meter, 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.