

CA - DCI

Computer Room Air Conditioning



Close Control Air Conditioners BLDC COMPRESSOR



CA - DCI CLIMA PROCESSOR is a **direct expansion Close Control** air conditioning unit, **AIR** or **WATER** condensed with inverter controlled BLDC compressor.

Designed for technical application like computers rooms, data centers, digital telephone exchangers, switch rooms, weather stations, museums, medical laboratories, diagnostic scanners as well as any other application with sensible heat to be dissipated.

Design criteria is to **minimize** the **footprint** and assure **full frontal access** for easy inspection and service. Available with **UP** or **DOWN** flow version with a **complete range of accessories**.

Reduced noise level and fined tuned regulation by using scroll compressors and last generation of the **EC plug-in radial fans**.

Customized solution available on request.

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- Painted galvanized steel cabinet
- EC "Plug-in" centrifugal fan backward blades
- Microprocessor control with LCD end user interface
- Scroll or rotary BLDC controller inverter compressor
- R410A refrigerant
- EU 4 Air Filter
- Full front inspection
- Condensation: water cooled, remote air cooled

Options:

- Re-heating systems: hot water, electric, hot gas
- Humidity and de-humidity systems
- High ESP fans
- Touch screen
- RS485 card: Modbus, Ethernet, LON, BACnet
- Alarms: Water, Filter, Fire/Smoke
- Dampers: not return, insulation
- Fresh air intake
- Free cooling plenum
- Air delivery plenum
- Adjustable basement
- Air filters F5, F7
- Special coils
- Sandwich panels
- Low noise insulation
- Special color
- R134a or R407C refrigerant
- Customized solution on demand

		SIZE					
		S010	M013	M025	M035	L050	L070
Total Capacity	kW	2.8-10	3.5-13	7-25	11-35	15-51	20.5-70.8
Sensible Capacity	kW	2.8-9.7	3.4-12.8	7-24.8	10.9-34.7	14.8-50.6	20.3-70.4
Total Air Flow	m3/h	2400	3000	6700	10400	12000	13600
Sound Pressure Level	dB(A)	47	49	52	57	59	63
Length	mm	850	650	1235	1635	1855	2055
Width	mm	470	670			870	
Height	mm	1980					

Room air conditions 24°C, 50%RH, Outdoor air temperature 32°C, Condensing temperature 48°C, Water temperature +30/35°C

