

DC

Computer Room Air Conditioning

 **CLIMA
PROCESSOR**

Close Control Air Conditioners RACK COOLERS



RACK COOLERS CLIMA PROCESSOR series is designed for “*High Density*” **Close Control** air conditioning application where the needs is to cool directly the computer racks.

Available with **chilled water** and **direct expansion** version, the series have the option of front or side air discharge, to be installed **IN-ROW** or **IN-RACK**.

Suitable for **new and refurbishment projects**.

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

Available with **BLDC inverter compressor**

Indirect free cooling

Customized solution available on request.

DC



- 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
 - Condensation: water cooled, remote air cooled
 - R410A refrigerant
 - EU 4 Air Filter
 - Extractable electrical panel
- Options:**
- Re-heating systems: hot water, electric
 - Hot Plug Fans
 - Humidity and de-humidity systems
 - High ESP fans
 - Touch screen
 - RS485 card: Modbus, Ethernet, LON, BACnet
 - Alarms: Water, Filter, Fire/Smoke
 - R134a or R407C refrigerant
 - Air delivery plenum
 - Adjustable basement
 - Air filters F5, F7
 - Special coils
 - Sandwich panels
 - Low noise insulation
 - Special color
 - Customized solution on demand

SIZE								
		010	015	020	025	030	040	050
DC-W chilled water								
Total Capacity	kW	11.8	16.3	22.3	-	31.5	41.4	47.7
Sensible Capacity	kW	11.7	16.1	22.1	-	31.1	40.9	47.1
Total Air Flow	m3/h	2 000	2 800	4 000	-	6 000	8 400	8 400
Sound Pressure Level	dB(A)	58	59	61	-	63	63	63
Frame Width	mm		300		-		400	
DC-X direct expansion								
Total Capacity	kW	11.8	15.8	20.6	-	30.6	41.0	-
Sensible Capacity	kW	10.2	14.2	19.5	-	30.2	40.6	-
Total Air Flow	m3/h	1 500	2 200	3 200	-	5 500	8 200	-
Sound Pressure Level	dB(A)	60	63	63	-	66	66	-
Frame Width	mm		300		-	400		-
DC-XA direct expansion with compressor air condensed								
Total Capacity	kW	11.1	16.3	22.4	25.2	32.6	42	-
Sensible Capacity	kW	10.8	16.2	21.6	24.9	32.3	41.5	-
Total Air Flow	m3/h	1 800	3 000	3 600	4 300	6 000	8 200	-
Sound Pressure Level	dB(A)	61	63	65	65	65	65	-
Frame Width	mm		300		500		600	-
DC-XW direct expansion with compressor water condensed								
Total Capacity	kW	11.1	16.3	22.4	25.2	32.6	42	-
Sensible Capacity	kW	10.8	16.2	21.6	24.9	32.3	41.5	-
Total Air Flow	m3/h	1 800	3 000	3 600	4 300	6 000	8 200	-
Sound Pressure Level	dB(A)	61	63	65	65	65	65	-
Frame Width	mm		300		500		600	-
DC-XA/DCI direct expansion with BLDC compressor air condensed								
Total Capacity	kW	3.7 ÷ 11.1	5.7 ÷ 15.5	7.5 ÷ 20.6	10.1 ÷ 25.8	14.9 ÷ 30	-	-
Sensible Capacity	kW	3.7 ÷ 10.8	5.7 ÷ 15.3	7.5 ÷ 19.5	10.1 ÷ 25.5	14.9 ÷ 30	-	-
Total Air Flow	m3/h	2 000	3 000	3 400	4 400	5 500	-	-
Sound Pressure Level	dB(A)	63	65	65	68	69	-	-
Frame Width	mm		300		400	500	600	-
DC-XW/DCI direct expansion with BLDC compressor water condensed								
Total Capacity	kW	3.7 ÷ 11.1	5.7 ÷ 15.5	7.5 ÷ 20.6	10.1 ÷ 25.8	14.9 ÷ 30	-	-
Sensible Capacity	kW	3.7 ÷ 10.8	5.7 ÷ 15.3	7.5 ÷ 19.5	10.1 ÷ 25.5	14.9 ÷ 30	-	-
Total Air Flow	m3/h	2 000	3 000	3 200	4 400	5 500	-	-
Sound Pressure Level	dB(A)	60	60	62	63	65	-	-
Frame Width	mm		300		400	500	600	-

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

