Version No.: CN240704(2.0V)









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Coolnet focuses on the R&D, production, and application of data center integrated solutions. As technical consulting, product supply, system integrator, and service provider, it is committed to serving customers in the fields of communication equipment rooms, data centers, smart construction, and energy management.

Our solutions include data center temperature, humidity, and energy-saving solutions, small and medium-sized computer room temperature control solutions, micro-module data center solutions, micro-module cabinet solutions, container, and modular data center solutions, communication outdoor cabinet temperature control and energy saving Solutions, cabinet temperature and humidity, and energy-saving solutions.

Has rich research and manufacturing experience in the field of data center equipment, with world-class laboratories, production testing equipment, and a complete line of key equipment rooms. And passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have passed CE certification, CCC certification, CQC certification, CRAA quality certification, etc.

We are committed to "paying attention to customer needs and realizing customer value" and establishing a winwin cooperation pattern with customers. To become your most trustworthy, most grateful, most professional, most practical, and most reliable partner with the best vision. We will "make every effort to provide value for money products and services to make customers more competitive", and continue to explore and innovate.







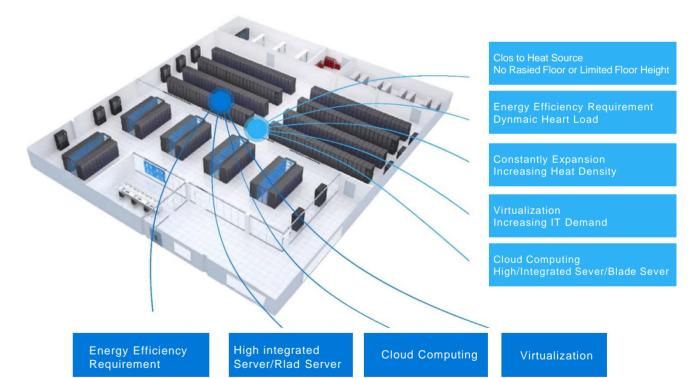
EFFICIENT COOLING SOULTION FOR MODULARIZED DATA CENTER





Efficient cooling solution for modularized data center

- High heat density data centerscontainer data center
- modularized data centers
- ■Improving cooling system ⊞R
- reducing data centers PUE
- Matching cold/hot aisle deign



XRow is an adaptive row-based cooling system placed closetothe heat source and ideal for rack level cooling solution for data center

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COOL-ROW UNIT INTRODUCTION



Introduction

COOLNET Row Cooling Precision Air Conditioning is an ideal product for inter-column cooling in green data centers. It has the industry's best cooling efficiency. The variable frequency scroll compressor uses environmentally friendly refrigerant R410A. It has excellent intelligent control and performance. Flexible cooling capacity design: can be used in 20%~100% adjustment of cooling capacity, which greatly improves the energy efficiency of ordinary air-cooled units by 33.3%~50%. The 7-inch touch screen can comprehensively display various data in the computer room and related working conditions of the unit.



300MM

Applications

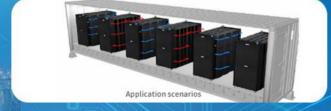
- Single rack with power larger than 3kW
- High heat density computer room
- Modular DC
- Container type DC
- DC with low PUE
- Hot spot reconstruction



600MM







COOL-ROW UNIT CHARACTISTICS



Advanced Controller

Advanced team work function, Up to 16 remote temperature/humidity sensors Standard RS485 communication interface, optional SNMP and TCP/IP interfaces

Efficient EC fan system

Saving 20%-30% energy compared to traditional AC

motor Soft-startup function, Low startup current

Adjust rotary speed automatically according to cooling requirments and airflow pressure, and provide airflow required

N+1redundancy configuration of fans, ensure the airflow in case of any fan fault Easy-maintenance designed

High Efficiency Compressor System

R410A refrigerant

Adopting scroll compressor with high reliability and energy efficiency ratio

Electronic Expansion Valve

Adjust the throttle of valve smoothly to save the energy

Wide range og operations, which can help reduce the superheat degree and improvde EER Realize cooling capacity and heat load precise matching

Qucik response, realize the precise cooling

Options

Transfer switch for Dual Power Input GPRS SMS alarm

Low-temperature startup kits Wired Temperature/humidity sensors Tree-way water valve





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Technical Data Of Cool-Row Series DX Unit

Model	CRA013	CRA025	CRA030	CRA040	CRA050	CRA060	
Air Supply	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side	Front/Side	
Power Supply	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz	
Technical Data							
Cooling Capacity (kw)	13.2	26.7	32.5	42.6	53.3	63. 9	
Sensible Cooling (kw)	13.2	26.7	32.5	42.6	53.3	63. 9	
Maximum Operation Current	24	41	44	48	55	59	
Compressor							
Туре	Inverter compressors						
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	
Quantity	1	1	1	1	1	1	
Fan							
Fan Type	EC centrifugal fan	EC centrifugal fan	EC centrifugal fan	EC centrifugal fan	EC centrifugal fan	EC centrifugal fan	
Quantity	4	5	2	2	3	3	
Air Volume (m³/h)	3200	5000	6600	8800	11000	12500	
Heater							
Heat Type	PTC	PTC	PTC	PTC	PTC	PTC	
Capacity (kw)	2	3	6	6	6	6	
Class	1	1	1	1	1	1	
Humidification							
Туре	Electrodetype						
Capacity (kg/h)	1.5	1.5	3	3	3	3	
Air Filter	G4	G4	G4	G4	G4	G4	
Connection Size							
Humidifier inlet pipe (in)	G1/2	G1/2	G1/2	G1/2	G1/2	G1/2	
Drain Pipe Φ (mm)	19	19	19	19	19	19	
Gas Pip Φ(mm)	15.88	19.05	19.05	19.05	22	22	
Liquid Pipe Φ (mm)	9.52	15.88	15.88	15.88	19.05	19.05	
Indoor Dimension-W*D*H (mm)							
Dimension	300*1200*2000 300*1400*2000	300*1200*2000 300*1400*2000	600*1200*2000	600*1200*2000	600*1200*2000	600*1200*2000	
Weight (kg)	190	230	280	285	310	330	

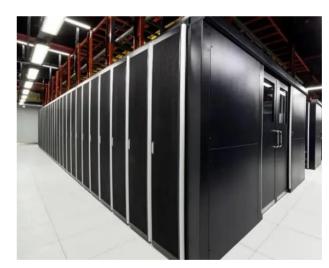
Air Cooled Condensor

Model	CY0241	CY0451	CY0522	CY0622	CY0832	CY0893	
Power Supply	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	
Installation	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	
Fan							
Туре	Axial flow fan						
Fan	1	1	2	2	2	3	
Speed Mode	Stepless speed						
Condenser Dimension-W*D*H (mm)							
Dimension	1115*1065*520	1315*1165*545	2025*1015*520	2125*1065*545	2425*1165*545	2625*1165*545	
Weight (kg)	91	115	156	182	226	252	

Technical Data Of Cool-Row Series Of CW Unit

Model	CRCW030	CRCW040	CRCW050	CRCW060			
Cooling Capacity (kW) 1	30.5	40.4	50.3	65.7			
Chilled water	12°C/18°C						
Sensible Cooling Capacity (kW)	30.5	40.4	50.3	65.7			
Water Flow (m3/h)	4.4	5.8	7.2	9.4			
Pressure Drop (kPa)	55	63	70	78			
Air Volume (m3/h)	5500	8000	10000	12500			
Electrode Humidification (kg/h)	3	3	3	3			
Humidification Current (A)	10.2	3.4	3.4	3.4			
Heater (kW)	3	6	6	6			
Current (A)	13.6	9	9	9			
Power Supply	380V/50-60HZ						
Full Load Current 2	20	12.6	14.3	14.3			
Dimension WxDxH (mm)	300x1200x2000 600x1200x2000						
Weight (kg)	190	250	275	290			
Pipe Connection	32	40	40	40			

- ① Working Conditioning: indoor return air dry bulb temperature 37°C, relative humidity 24%, outdoor dry bulb temperature 35°C;
- 2 Full Load current for on-site power distribution reference.









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