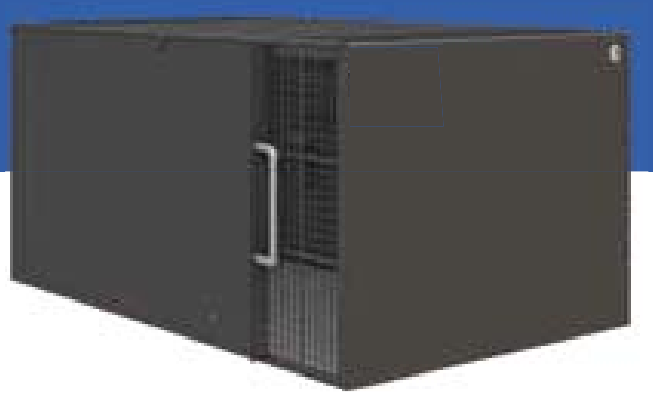
LDA Rack Aircond



Litech LDA Rack Air Conditioner is a cabinet level temperature control product specially designed for high thermal density data centers. Placed close to the heat source on the cabinet rack, it can accurately process the high sensible heat generated by the servers in the cabinet, effectively prevent local hot spots, and help green data centers to develop continuously.

Application

Application scenarios: all kinds of small and micro/distributed computer rooms, data centers, modular data centers, IT cabinets for blade servers, medium and high thermal density communication equipment and computer rooms, etc.

ADVANTAGES

- The height of the 5kW model is only 5U, saving the available space in the cabinet
- Supports temperature sensing management at the top of the cabinet to prevent local hot spots
- Multiple drainage and anti-flooding design to prevent cabinet flooding
- Intelligent self-detection of refrigerant capacity and intelligent warning
- High efficiency inverter compressor, super precise PID control technology
- Electronic expansion valve enables smooth adjustment of throttle
- Opening EC centrifugal fan, adjust air volume output ratio in real time as required
- Extremely wide network adaption, which can meet± 20% voltage range

LDA Rack Aircon							
Indoor unit model	**LDA0004**	**LDA0005**	**LDA0008**	**LDA0013**	**LDA0004**	**LDA0005**	**LDA0008**
Dimension-D (mm)	760				400		
Main power supply	220V/1Ph~50hZ						
Air supply	Three side air supply						
Unit Performance Parameter							
Cooling capacity (kW)	3.5	5	7.5	12.5	3.5	5	7.5
Sensible capacity (kW)	3.5	5	7.5	12.5	3.5	5	7.5
Max. operation current FLA (A)	11.5	16.5	20.0	35	11.5	16.5	20
Compressor QTY	1	1	1	1	1	1	1
Fan Type	EC centrifugal fan						
Fan QTY	2	2	1	2	1	1	2
Circulating air volume (m3/h)	800	1100	1650	2200	800	1100	1650
Heating capacity (kW)	1	1	1	2	1	1	1
Humidification (kg/h)	1	1	1.5	3	\	\	\

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Connecting Pipe Size							
Liquid pipe (mm)	9.52	9.52	12.7	12.7	9.52	9.52	12.7
Gas pipe (mm)	15.88	15.88	19.05	19.05	15.88	15.88	19.05
Humidification inlet pipe(Internal thread)	Od20*G3/4"						
Water pump drain pipe (mm)	PU pipel D 5*0D8						
Natural drain pipe (mm)	Silicone hoselD10*OD14						
Unit Dimension and weight							
Dimension D (mm)	443	443	443	443	444	444	444
Dimension W (mm)	715	715	715	715	395	395	395
Dimension H (mm)	218	218	351	440	352	352	529
Weight (kg)	27	28	36	42	25	26	36
Outdoor Unit Performance Parameter							
Outdoor unit model	CDT005SP	CDT007SP	CDT010SP	CDT016SP	CDT016SP	CDT007SP	CDT010SP
Dimension - D (mm)	794	794	1045	1045	794	794	1045
Dimension - W (mm)	310	310	431	431	310	310	431
Dimension - H (mm)	537	537	760	1375	537	537	760
Weight (kg)	30	34	60	85	30	34	60
Electronic Element Specification							
Air switch recommended (A)	16	25	25	40	16	25	25
Indoor power cable diameter	(L,N,PE) 3x2.5	(L,N,PE) 3x2.5	(L,N,PE) 3x4	(L,N,PE) 3x6	(L,N,PE) 3x2.5	(L,N,PE) 3x2.5	(L,N,PE) 3x4
Outdoor power cable diameter	(L,N,PE) 3x1.5	(L,N,PE) 3x1.5	(L,N,PE) 3x2.5	(L,N,PE) 3x4.5	(L,N,PE) 3x1.5	(L,N,PE) 3x2.5	(L,N,PE) 3x2.5

• Standard working conditions: indoor environment 35°C, wet bulb temperature 20°C, outdoor environment temperature 35°C
• 760 depth indoor unit can choose only cooling+ electric heating or constant temperature and humidity type, 400 depth indoor unit can choose only cooling+ electric heating type, the maximum working current and recommended air switch according to the constant temperature and humidity unit configuration;
• 760 depth rack air conditioner for cabinets with a depth of 1000mm to 1400mm; rack air conditioners with a depth of 400 mm are suitable for cabinets with a depth of 600mm to 800mm.
• The table above is only part of the parameters, the specific configuration is subject to the nameplate.

Ordering Information

Part Number	Description
LDA0004-760	3.5 kW LDA Rack Aircond - 760mm Depth Version
LDA0005-760	5 kW LDA Rack Aircond - 760mm Depth Version
LDA0008-760	7.5 kW LDA Rack Aircond - 760mm Depth Version
LDA0013-760	12.5 kW LDA Rack Aircond - 760mm Depth Version
LDA0004-400	3.5 kW LDA Rack Aircond - 400mm Depth Version
LDA0005-400	5 kW LDA Rack Aircond - 400mm Depth Version
LDA0008-400	7.5 kW LDA Rack Aircond - 400mm Depth Version

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