LRF Row-Based Air Conditioner
(Refrigerant Pump)



LRF Row-Based Air Conditioner (Refrigerant Pump) can use atmospheric natural cold source for cooling computer room. It is installed close to the heat source, shorten the flow path of cold air, and accurately process the sensible heat generated by the server. It is an ideal choice for green and energy-saving data centers and all kinds of electronic equipment rooms.

Application

Small and medium-sized data centers, modular data centers, cabinet cold (hot) aisle transformation, medium and high thermal density communication equipment and computer rooms, etc.

ADVANTAGES

- Key components are selected from well-known brand
- Full EC inverter design, automatic adjustment of cooling capacity and air volume output
- Wet film humidifier, saving 99% of humidification energy
- Linear shape or U shape" evaporator, large area, small resistance
- High return air temperature design, energy efficiency significantly improved
- Three operating modes, automatic switching, real-time adjustment
- Pump cabinet system series design, high integration, more energy saving unit
- The pump cabinet is integrated on the outdoor side, without requiring additional space for placement
- Integrated efficient energy-saving algorithm, support group control, rotation, cascade

LRF Row-Based Air Conditioner (Refrigerant Pump)			
Indoor unit model	LRF8025	LRF8040	LRF8060
Main power supply	415V 3Ph~50Hz		
Air supply	Front air supply		
Performance parameter			
Cooling capacity (kW)	25	40	60
Sensible capacity (kW)	25	40	60
Max. operation current FLA (A)	37	48.2	57.2
Compressor QTY	1		
Fan type	EC centrifugal fan		
Fan QTY	6	2	3
Circulating air volume (m3/h)	5000	8000	12000
Heating capacity (kW)	3	6	9
Humidification (kg/h)	1.5	3	4.5
Connecting pipe size (30m)			
Liquid pipe (mm)	16		
Gas pipe (mm)	22		
Humidification inlet pipe (Internal thread)	G3/4"		
Water pump drain pipe (mm)	ID12*OD16		
Natural drain pipe (mm)	ID16*OD24		
Unit dimension and weight			
Dimension-W (mm)	300	600	600
Dimension-D (mm)	1200		
Dimension-H (mm)	2000		
Weight (kg)	210	250	310

Litech®