

Fan Wall Array

High-density, high efficiency

Space optimization redefined

Evolving alongside data centre demands

Our latest Fan Wall Array achieves new levels of effective and efficient thermal management for high-density data centres, reducing equipment footprint and increasing white space for additional server racks.

Integrated into equipment corridors, the Fan Wall Array allows for more precise control and effectively separates hot and cold airflows, which significantly increases cooling performance.

Space-saving framework

With multiple configurations available, our modular Fan Wall Array is arranged in a stacked formation, saving valuable floor space, simplifying containment and space planning.



Features & Benefits



Customizable Capacity

Modular design can be adapted to specific spaces and requirements.



Robust Build

Durable steel structure engineered for intensive data centre purposes.



Accessible Design

Rear access to EC fans allow for ease of maintenance.



Reliable Air Quality

Filter panels ensure performance and longevity of equipment.



Lower PUE

Efficient system surpasses local standard PUE requirement.



Lower OPEX

Efficient operations leads to lower consumption and higher savings over time.



Smart Controller

Multiple monitoring functions and BMS connection capabilities.



Reduced Hotspots

Unique uniform horizontal airflow technology reduces hotspots.

Configurations



Specifications

Model (FWA***)	070S	150S	230S	100D	230D	300D
Condition	RAT 36°C, SAT 24°C, CHW 18°C/26°C					
Total Cooling Capacity (kW)	65.0	145.0	220.0	92.0	214.0	289.0
Sensible Cooling Capacity (kW)	65.0	145.0	220.0	92.0	214.0	289.0
SHR	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	16000	36000	55000	23400	54000	72000
CHW Flowrate (L/s)	2.01	4.52	6.83	2.91	6.71	8.94
Power Input (kW)	2.3	5.2	7.6	4.9	9.6	9.6
Water Pressure Drop (kPa)	<85	<85	<85	<85	<85	<85

Condition	RAT 40°C, SAT 28°C, CHW 20°C/30°C					
Total Cooling Capacity (kW)	68.0	145.0	225.0	100.0	224.0	325.0
Sensible Cooling Capacity (kW)	68.0	145.0	225.0	100.0	224.0	325.0
SHR	1.00	1.00	1.00	1.00	1.00	1.00
Air Volume (CMH)	17000	36000	55800	25200	56000	79200
CHW Flowrate (L/s)	1.71	3.61	5.6	2.46	5.62	8.15
Power Input (kW)	2.5	5.0	7.9	4.8	10.0	11.6
Water Pressure Drop (kPa)	<85	<85	<85	<85	<85	<85

External Static Pressure (Pa)	100	100	100	100	100	100
Fan Type	EC Plug Fan					
Fan Quantity	1	2	3	2	4	6
CHW Inlet/Outlet (mm)	DN50	DN65	DN80	DN65	DN80	DN80

Width (mm)	1000	2000	3000	1000	2000	3000
Depth (mm)	800	800	800	800	800	800
Height (mm)	5000	5000	5000	5600	5600	5600
Unit Weight (kg)	1500	2000	2500	1800	2600	3400
Power Supply	380-415V 3PIN 50/60Hz					

Standard Accessories	G4 Filter, Pressure Switch (Filter Dirty), Water Leak Sensor, Internal Service Light					
Optional Accessories	Active Harmonic Filter, ATS, Battery Backup, EPIV / Energy Valve, Power Meter, Smoke Detector, Remote Air Sensor, Air Damper					

- Please contact our representatives for other requirements.
- The manufacturer reserves the rights to make changes to the product specifications. The data shown above may vary.