

# AireWall™

Data Center Fan Wall



170 - 400kW

- + Powerful cooling, intelligent control from the global experts in data center cooling.
- + 4/6/8 fan models
- + integrated, intelligent control
- + optimised coil design for low system PUEs

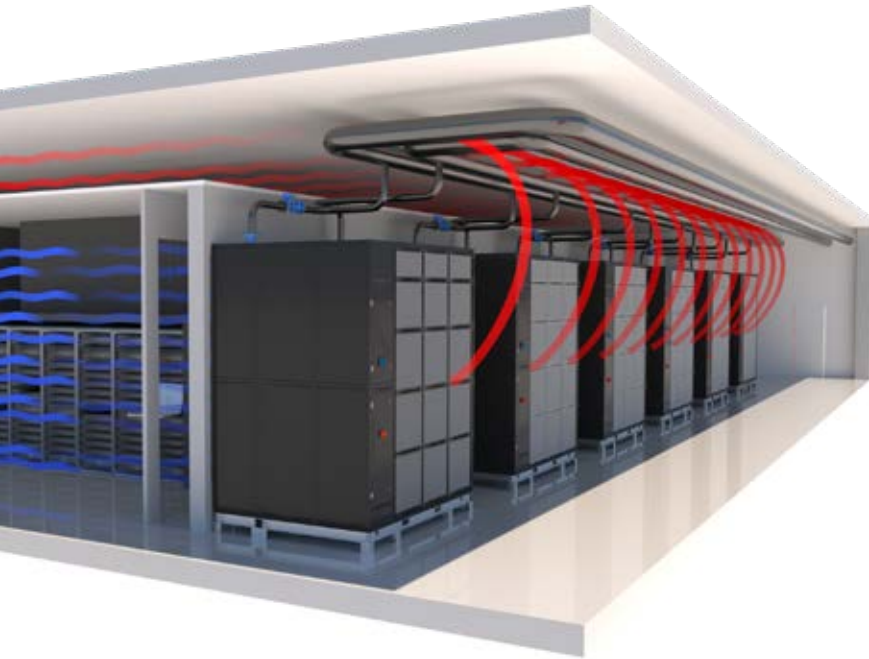


FREE-COOLING CHILLED WATER EC FAN



# Powerful Cooling

Intelligent control



**AireWall™ is a range of data centre air handlers designed to deliver air at the right temperature, at the right volume, in the right place and at the right time. All the time.**

It has been specifically engineered for low velocity air-based cooling of data centers, delivering low energy cooling in high density applications.

AireWall comprises of filters, fan section, chilled water heat exchanger and a damper section. AireWall's integrated, intelligent helix™ controls platform mean it is highly adaptive to changing loads and the range

has been designed to operate at low Specific Fan Pressure (SFP), delivering low installation PUE.

TYPE		AireWall 4-200-10	AireWall 4-190-8	AireWall 4-170-6	AireWall 6-300-10	AireWall 6-285-8	AireWall 6-250-6	AireWall 8-400-10	AireWall 8-380-8	AireWall 8-330-6
Unit overall external height	in	117	117	117	117	117	117	117	117	117
Unit overall external width	in	95	95	95	131	131	131	167	167	167
Unit overall external depth	in	84	82	78	84	82	78	84	82	78
Number of fans		4	4	4	6	6	6	8	8	8
Air volume 100%	cfm	29452	29452	29452	44285	44285	44285	58905	58905	58905
Air volume 100%	m3/h	50040	50040	50040	75060	75060	75060	100080	100080	100080
Coil rows		10	8	6	10	8	6	10	8	6
Coil capacity @ 100% air volume	kW	200	190	170	300	285	250	400	380	330

Accessible headers with flanged connectors for ease of installation and inspection

Robust steel construction, built to the specifications of data center equipment

MERV 6-8 panel filters with easy release catches.

Large surface heat exchanger optimized for high heat transfer whilst keeping air and fluid side pressure drops to a minimum.

Supply air temperature control using averaging wire sensor across coil face area.

Microprocessor controls with touch screen display

Next-gen energy efficient EC fans

Air side differential fan control to match to load.

**Not shown:**

Opposing blade isolating damper & spring return motor. Supplied either fitted or loose to mate to the plant room dividing wall for unit isolation.

Control valves - options include 2 port, 2 x 2 port, PICV & Energy Valve, supplied loose for onsite fitting by installing contractor.