

Cool Wall

Space-optimised, modular solution

Compact form factor

Flexible infrastructure for evolving workloads

Our latest Cool Wall features modular architecture, allowing operators to customise capacity, configuration, and redundancy for specific site requirements. The Cool Wall requires no side clearance, allowing operators to maximise cooling output per square metre.

Each module operates independently, facilitating partial-load operation, easier maintenance, and improved resilience against failures.

Reliable, effective cooling

Inside our Cool Wall, the high-efficiency coil design maximises surface area for cooling, enhancing thermal performance and ensuring consistent temperature control even under variable load conditions.



Features & Benefits



Modular System

Flexible 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 hot swappable DC fans allow for easier maintenance.



Reliable Air Quality

Filter panels ensure performance and longevity of equipment.



Reduced Footprint

Stackable and compact framework maximizes space and increases density.



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.



AC/DC Power Supply Options

Designed with flexible power architecture to suit AC or DC applications.



Specifications

Model (CWD*-***)	E-045	E-060	E-090	C-045	C-060	C-090
RAT 37°C, SAT 25°C, Water 34°C/43°C						
Total Cooling Capacity (kW)	45.1	60.1	90.1	45.1	60.1	90.1
Sensible Cooling Capacity (kW)	45.1	60.1	90.1	45.1	60.1	90.1
Return Air Relative Humidity (%)	20	20	20	20	20	20
Supply Air Relative Humidity (%)	60	60	60	60	60	60
Supply Air Flow (m³/h)	11800	11800	23600	15200	15200	23600
Altitude (m)	<20	<20	<20	<20	<20	<20
External Static Pressure (Pa)	30	30	30	30	30	30
Unit Rated Power (kW)	9.3	12.5	17.5	10.42	13.4	18.6
Coolant Type	Water					
Water Flow (l/s)	1.5	2	3	1.5	2	3
Water Pressure Drop (kPa)	68	68	68	68	68	68
Fan Quantity	15	18	30	15	15	22
Compressor Quantity	1	1	1	1	1	1
Water Inlet Pipe	DN32	DN40	DN50	DN32	DN40	DN50
Water Outlet Pipe	DN32	DN40	DN50	DN32	DN40	DN50
Drain Pipe (ID, mm)	25 (R3/4)	25 (R3/4)	25 (R3/4)	25 (R3/4)	25 (R3/4)	25 (R3/4)
Pipe Connection Point	Top	Top	Top	Top	Top	Top
Width (mm)	900	1200	1800	900	1200	1800
Depth (mm)	400	400	400	400	400	400
Height (mm)	3300	3300	3300	2800	2800	2800
Water Pipe Box Height (mm)	600	600	600	600	600	600
Unit Operating Weight (kg)	465	500	760	460	485	740
Power Supply	540VDC					

- 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.