DCVI

QUBE^{AIR}

FANWALL PRECISION COOLING

High Efficiency Precision Cooling for Modern Data Centers



Quality

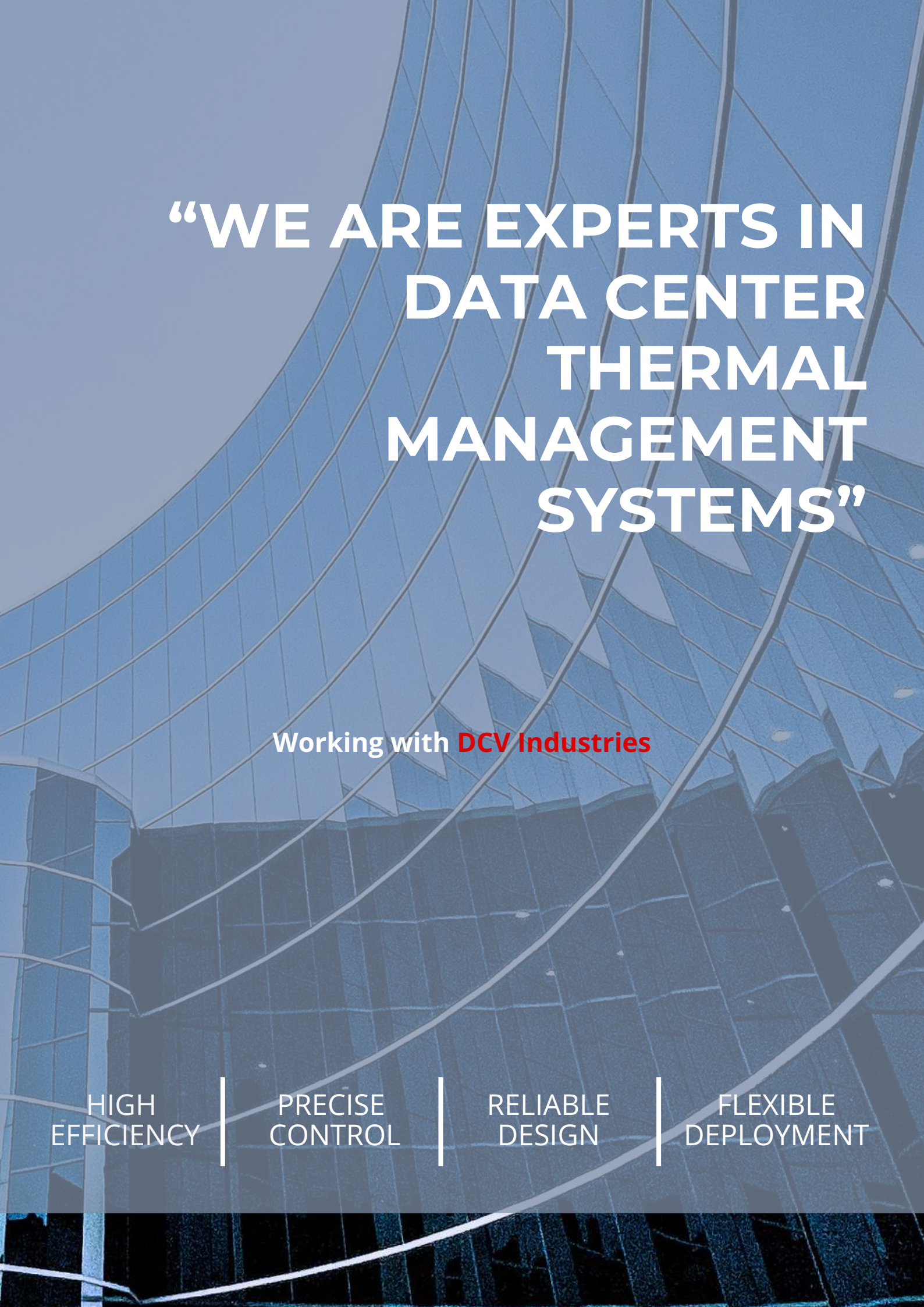
Products designed for reliability and balanced cost to enhance performance and margins.

Speed

A responsive, service-driven team supporting your business agility.

Flexibility

Fully customizable to build solutions that support your business growth.



“WE ARE EXPERTS IN DATA CENTER THERMAL MANAGEMENT SYSTEMS”

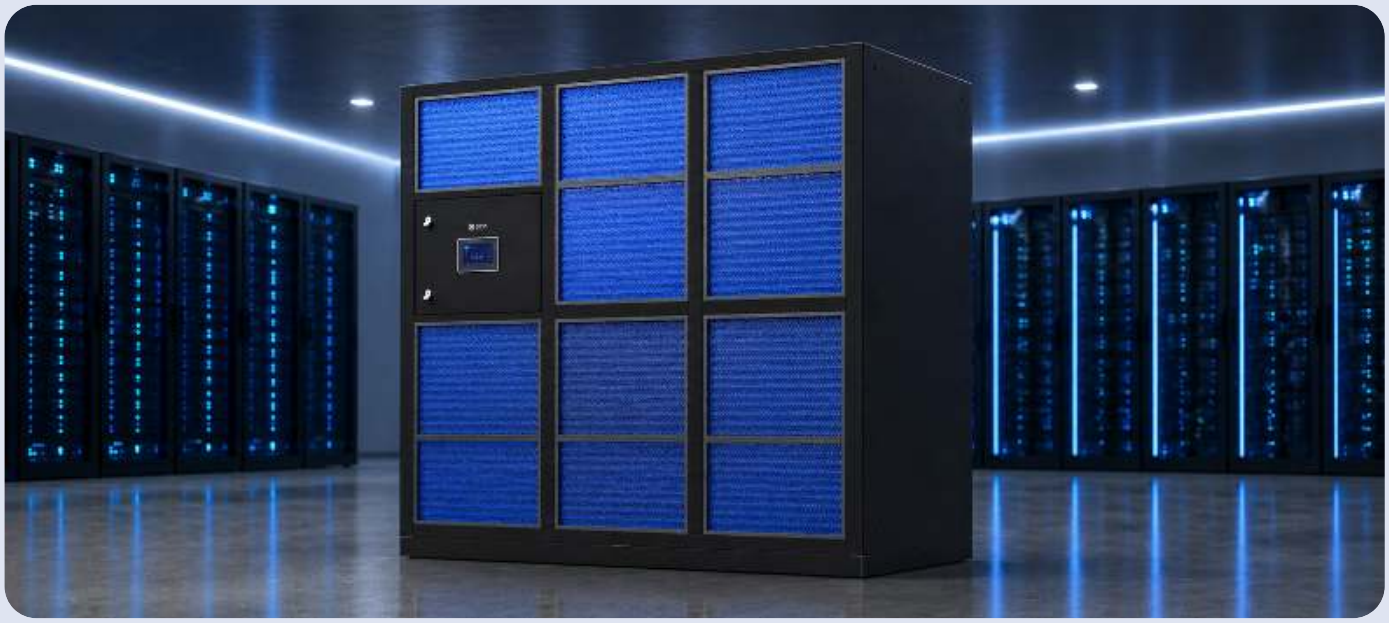
Working with DCV Industries

HIGH EFFICIENCY | PRECISE CONTROL | RELIABLE DESIGN | FLEXIBLE DEPLOYMENT

FANWALL COOLING CW TYPE

Product Description

CW type Fanwall cooling unit is an advanced indoor chilled water cooling solution designed for smart efficiency. By integrating fan wall modules with large evaporator coils, water control valve, it allows for the creation of a high efficient cooling system. This reliable and efficient solution offers a straightforward efficient approach to hyperscale data center cooling.



Key Features

- **Industry leading brands EC fans** ensure high efficiency and reliability.
- **High water temperature** up to 20C for lower PUE.
- **Horizontal airflow design** ideal for high efficient low speed air distribution pattern, no need for raised floor.
- **Precision controller manages** key components and integrates with DCIM/BMS for monitoring and control
- **Modular, stackable design** for easy setup and higher cooling output per footprint.
- **G4 rated air filter,** easy to be changed and service maintained**.**
- **7-inch colored touch display** to easily view and control the unit.
- **Optional condensate pump,** leak detection, and dual power for versatile applications.

TECHNICAL SPECIFICATIONS

FANWALL COOLING
CX TYPE · CHILLED WATER
2 MODELS · INDOOR

PARAMETER	W-200WC	W-400WC
CAPACITY & AIRFLOW		
Total Capacity 20°C/28°C - KW	206.0	420
SHR %	100.0	100.0
Air Volume m^3/h	53,000	106,000
FANS		
Fan Type	EC	EC
Quantity of Fans	4	8
HEATING & HUMIDIFICATION		
Heating Capacity kW	12	18
Heating Type	PTC	PTC
Humidifier Capacity kg/h	10	10
Humidifier Type	Electrode	Electrode
Filter Rating	G4	G4
DIMENSIONS & WEIGHT		
Width mm	2,350	4,800
Depth mm	1,500	1,500
Height mm	2,450	2,450
Weight kg	1,800	3,800
ELECTRICAL		
Power Input	380-415V 3Ph / 50-60Hz	380-415V 3Ph / 50-60Hz
FLA A	21.6	42.1
HYDRAULIC		
Water Connection mm	65	125
Drain Connection mm	20	20
Water Flow l/s	6.16	14.1
Water Pressure Drop kPa	39.6	42.3
MONITORING		
Monitoring	Modbus-RTU, optional with SNMP	Modbus-RTU, optional with SNMP

NOTES

1. **Technical data based on inlet/outlet water temperature 20°C/28°C, 37°C/24%RH return air conditions.**
2. **Standard with 2-way valves and optional with 3-way valves.**

FANWALL COOLING DX TYPE

Product Description

DXtypeFanwall cooling unitishigh efficient precision cooling for modern hyperscale data center solution. The system is designed with optimized airflow distribution, and DX based refrigeration system, makes it ideal as quick drop in cooling solution for high efficient & high density data center halls.


Qube air modular famwall unit

Key Features

- **Horizontal airflow design** ideal for high efficient low speed air distribution pattern.
- Industry leading brands **EC fans** ensure high efficiency.
- **7 inch colored touch display** to easily view and control the unit.
- **DX based refrigeration system**, easy for deployment without needs of complex chilled water loops.
- Smart controller manages and monitors all key components and easy integration with **DCIM/BMS system.**
- **IP55 designs** allows outdoor type installation that saves data center white space.
- **Direct or indirect free cooling** options available on choice.
- Optional with **condensate pump, water leaking kit** and **dual power supply** for diverse applications.
- Stepless and precise control of supply air with i**nverter compressor, inverter condenser fan, EEV and EC evaporator fan.**

TECHNICAL SPECIFICATIONS

FANWALL COOLING
DX TYPE · DIRECT EXPANSION
INDOOR / OUTDOOR · IP55

PARAMETER	Q-200WC
CAPACITY & AIRFLOW	
Total Capacity kW	83.6
SHR %	100.0
Air Volume m^3/h	25,000
FANS	
Fan Type	EC
Quantity of Fans	4
HEATING & HUMIDIFICATION	
Heating Capacity kW	12
Heating Type	PTC
Humidifier Capacity kg/h	12
Humidifier Type	Electrode
Filter Rating	64
DIMENSIONS & WEIGHT	
Width mm	1200
Depth mm	2700
Height mm	1800
Weight kg	890
ELECTRICAL	
Power Input	380–415V / 3Ph / 50–60Hz
FLA A	89.0
HYDRAULIC & REFRIGERATION	
Drain Connection mm	20
Water in Connection	3/4″ G
Refrigerant	R410A (R32 optional)
Free Cooling	Optional with fresh air direct type, or pump refrigerant indirect type
MONITORING	
Monitoring	Modbus-RTU, optional with SNMP

NOTES

1. Technical data based on 36°C/24% RH return air conditions.



CONTACT US

Reach out to us for inquiries or support. We're here to help.

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