

A dynamic, high-speed photograph of a water splash, creating a sense of movement and freshness. The water is captured in mid-air, with various droplets and streams visible against a light blue background.

Liquid Cooling Products and Solutions

CorefloX

COREFLOX SG PTE. LTD.



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Company Profile

CorefloX is a technology-leading ICT cooling product and solution provider, integrating industrial research and development, solution provision, and full lifecycle services of cooling technology into one high-tech manufacturing enterprise.

At CorefloX, our mission is to deliver innovative cloud solutions to International Hyperscaler and Colo. By providing our scalable cooling infrastructure to operate efficiently and securely, we are committed to stay agile in the face of change, turning challenges into opportunities for growth.

Liquid Cooling Product Series-CF-DLC-CDC

Liquid Cooling Container Data Center DLC-CDC

CF-DLC-CDC-200/500/1000



Product Feature

- **High Energy Efficiency:** Ultra-low PUE (Power Usage Effectiveness), supports year-round free cooling, with extremely low energy consumption.
- **High Adaptability:** Supports server air-to-liquid ratios below 3:7, with stepless adjustment.
- **High Flexibility:** Supports single-container and multi-container cluster solutions in 10-foot, 20-foot, and 40-foot sizes. The liquid cooling container data center and cooling source module can be flexibly combined, supporting both stacking and parallel placement.
- **Modular Design:** Modular design, supporting modular assembly and high integration.
- **High Integration:** Integrates main subsystems such as cabinets, air conditioning, power supply and distribution, monitoring, and fire protection systems, providing a one-stop solution.
- **Rapid Deployment:** With basic infrastructure in place (access to roads/water supply/power supply and land leveling), installation and deployment can be completed within 7 days. It is easy to move and relocate.
- **Easy Maintenance:** The internal layout is rational and easy to maintain.
- **Customization:** Customized solutions can be provided to meet different data center grade requirements
- **Strong Adaptability:** Supports temperatures ranging from -40°C to 45°C, suitable for extremely low and high-temperature regions.
- **Cleanliness:** The flow-through components use food-grade 304 stainless steel, and direct cooling source supply can be achieved.
- **Communication Methods:** Supports RS485 serial port and RJ45 network port.
- **Communication Protocols:** Supports standard protocols such as Modbus, TCP, and UDP.
- **High Intelligence:** Multi-mode control, multiple devices can automatically form a network, achieving group control management.
- **Low Maintenance Cost:** Supports remote monitoring, enabling unattended operation.

Liquid Cooling Container Data Center DLC-CDC

CF-DLC-CDC Series Products Technical Parameters

Model	CF-DLC-CDC-200	CF-DLC-CDC-500	CF-DLC-CDC-1000
IT Equipment Power (kW)	200	500	1000
Container Dimensions (mm)	2991 × 3200 × 3300	6058 × 3200 × 3300	12192 × 3200 × 3300
Net Weight (kg)	4000	8000	14000
Number of Cabinets (units)	4	8	18
Cabinet Dimensions (mm)	600 × 1200 × 2000	600 × 1200 × 2000	600 × 1200 × 2000
Input Power Parameters	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz
Rated Power (kW)	215	525	1050

Technical Performance Parameters

Parameter	CF-DLC-CDC-200	CF-DLC-CDC-500	CF-DLC-CDC-1000
Liquid Cooling System Coolant	PG25/EG25	PG25/EG25	PG25/EG25
Air Cooling System Coolant	R410A	R410A	R410A
Liquid Cooling System Supply/Return Temperature (°C)	35/45	35/45	35/45
Air Cooling System Supply/Return Temperature (°C)	25/37 ±2	25/37 ±2	25/37 ±2
Supply/Return Interface Size (Liquid Cooling Pipeline)	DN65	DN80	DN100
Supply/Return Interface Size (Air Cooling Pipeline)	DN50	DN65	DN65
Air-to-Liquid Ratio	2:8/3:7	2:8/3:7	2:8/3:7
Ambient Temperature (°C)	40	40	40
Liquid Cooling System Flow (L/min)	≥250	≥620	≥1250
Air Cooling System Flow (L/min)	≥95	≥235	≥465
Flow Resistance (Liquid Cooling Pipeline) (kPa)	≤120	≤120	≤120
Flow Resistance (Air Cooling Pipeline) (kPa)	≤80	≤100	≤100
Air Cooling External Static Pressure (Pa)	50	50	50

- The images are for reference only and do not represent the actual products.
- The standard products do not include a CDU (Cooling Distribution Unit). If a CDU is required, it will occupy cabinet space.





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