LDWW Cabinet
Coolant Distribution Unit (CDU)



Litech Cabinet Coolant Distribution Unit is engineered for efficient thermal management. It provides a centralized solution for distributing coolant to various components within a cabinet, ensuring consistent cooling across the system. Designed to manage and distribute coolant effectively, the cabinet CDU ensures optimal thermal performance for servers and other heat-generating equipment. With its ability to enhance cooling efficiency, optimize space, and improve system reliability, this unit is crucial in data centers, telecommunications, and high-performance computing facilities. By integrating a Cabinet Coolant Distribution Unit into your cooling infrastructure, you can ensure that your systems operate at peak performance while minimizing the risks associated with overheating.

FEATURES

- The dual pump redundant design seamlessly transitions to a backup pump in the event of a single pump failure, ensuring uninterrupted operation.
- Features a highly efficient stainless steel plate heat exchanger known for its compact design and exceptional resistance to corrosion.
- The internal piping is crafted from stainless steel, guaranteeing a clean and contamination-free system.
- Equipped with an intelligent PLC control programwhich facilitates real-time monitoring and management, ensuring the unit operates safely.
- With expert-level fault diagnosis capabilities, it simplifies both operation and maintenance.
- Support Modbus RTU with an optional TCP/IP interface.
- Comes with intuitive color touchscreen interface enhances user interaction, that incorporates multi-tier password settings to safeguard information security.

Product Specification

Specification and models		LDWW200-50A	LDWW500-80A	LDWW1200-125A
Refrigeration capacity (kW)		200	500	1200
Secondary side supply/return water (°C)		40/50		
Secondary side flow (m³/h)		18	45	105
Secondary side interface (DN)		DN50	DN80	DN125
Primary side supply/return water (°C)		35/45		
Primary side interface (DN)		DN50	DN80	DN125
Rated power (kW)		4.5	9	16.5
Primary side pressure drop (kPA)		≤100		
Power supply system		380V-415V/3Ph/50Hz 380V-415V/3Ph/60Hz		
		460V-480V/3Ph/60Hz		
Unit size	Width (mm)	600	900	1200
	Depth (mm)	1200/1400		
	Height (mm)	2000/2200		

Ordering Information

Part Number	Description
LDWW200-50A	200kW Cabinet Coolant Distribution Unit
LDWW500-80A	500kW Cabinet Coolant Distribution Unit
LDWW1200-125A	1200kW Cabinet Coolant Distribution Unit

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