

GoCool-660

Liquid-to-Liquid Coolant Distribution Unit

The increasing demand for high-performance computing and advanced GPUs highlights the limitations of air-cooling. Delta's GoCool L2L CDU offers a superior alternative, providing effective separation of facility and secondary circuits as well as precise control over flow, pressure, temperature, and coolant quality. It excels in managing high-density thermal load, maximizing computing power while minimizing data center PUE. The GoCool L2L CDU ensures operational reliability by preventing condensation and guarantees quality with its stainless steel plumbing and coolant filtration. Elevate your data center performance—engineered for the future of high-performance computing.



Cost Effective

- Maximize energy saving: cuts power consumption, surpassing traditional air cooling
- Space optimization: compact design enables closer server placement further reducing Capex
- Flexible integration: supports direct-to-chip and Rear Door Heat Exchanger (RDHx) application, adapting to existing setups and blending air and liquid cooling for future upgrades

High Reliability

- Uninterrupted operation: dual power feed with ATS ensures continuous CDU operation
- Optimized redundancy design ensures no single point of failure in the system
- Leak detection: instant alarms with configurable response for efficient pumping action
- Durable construction: stainless steel plumbing with 50-micron filters for long-term coolant quality

Easy Management

- Intuitive interface: 10-inch color touchscreen displays real-time system status
- Efficient control: group and manual control enhance system management and reliability

Technical Specifications

Model	GoCool-660
Nominal Cooling Capacity	660 kW @7.5°C approach, 660 LPM secondary flow rate, 600 LPM primary flow rate, 1.0 LPM/kW 500 kW @6.0°C approach, 750 LPM secondary flow rate, 600 LPM primary flow rate, 1.5 LPM/kW
PRIMARY SIDE	
Coolant Type	Water
Nominal Coolant Flow Rate	660 LPM, 17°C primary inlet temperature
Operating Pressure Drop	137 kPa
Coolant Filter	500 µm with bypass loop to enable hot-swappable
SECONDARY SIDE	
Coolant Type	Deionized water/25%PG
Nominal Coolant Flow Rate	660 LPM
Approach Temperature	7.5°C
Coolant Filter	50 µm with bypass loop to enable hot-swappable (upgradeable to 25 µm)
External Pressure Drop	163 kPa
POWER SUPPLY	
Nominal Power Supply Voltage	380/400/415 Vac, 3P4W+PE
Operating Voltage Range	360-440 Vac
Frequency	50/60 Hz
Dual Power Feed	Standard
Automatic Transfer Switch	Standard
DC UPS Backup Power	Standard
MCU Controls	Standard
Power Feeds Location	Top
DEPLOYMENT	
Primary Connection	2.5" Victaulic, DN65
Secondary Connection	3" Victaulic, DN80
Piping Connection Location	Bottom
PHYSICAL	
Dimensions (W x D x H)	600 x 1350 x 2100 mm (23.6 x 53.2x 82.7 inch)
Clearance	Front: 800 mm (31.5 inch); Rear: 800 mm (31.5 inch)
Net Weight	With Coolant 800 kg (1764 lb) Without Coolant 675 kg (1488 lb)
COMMUNICATION INTERFACE	
Display	10" Color touchscreen
Protocols	SNMP, Modbus RTU, Modbus TCP/IP, BACnet
Monitoring	Primary Side: Temp. (Inlet/Outlet), Flow rate, Pressure (Inlet/Outlet, Filter ΔP) Secondary Side: Temp. (Supply/Return), Flow rate, Pressure (Supply/Return, Filter ΔP) Dew-point Temp.
CONFORMANCE	
Safety	CE
FEATURES	
Noise Level	< 72 dBA (at 1 m)
Leak Detection	Standard
Dew Point Monitor	Standard
Control Sensor Redundancy	Standard
Variable Frequency Drivers (VFD)	Standard
Expansion Vessel	Standard
Filling Tank	Standard
Auto-restart Function	Standard
Coolant Healthy Measurement	N/A
Pump Redundancy	N mode
Grouping Control	Standard

All specifications are subject to change without prior notice.



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