

GoCool-660

Liquid-to-Liquid Coolant Distribution Unit

The increasing demand for high-performance computing and advanced GPUs highlights the limitations of aircooling. Delta's GoCool LTL 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 LTL 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) applications, 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, 3P3W+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 53.2" x 82.7")	
Clearance	Front: 800 mm (31.5"); Rear: 800 mm (31.5")	
Net Weight	With Coolant	800 kg (1764 lb)
	Without Coolant	675 kg (1488 lb)
Noise Level (at 1 m)	< 72 dBA	
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		
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	
Pump Redundancy	N mode	
Grouping Control	Standard	

All specifications are subject to change without prior notice.

