



M-CDU
For direct-to-chip
liquid cooling

MITA
cooling technologies

Enabling high-density mission-critical cooling for next generation data centers
Scalable Efficient & Reliable

- Overcoming the limitations of air cooling for IT Infrastructure
- Increased rack densities to 100kW and beyond
- Boosting cooling efficiency - supporting warm-water and high delta-T strategies
- Providing IT equipment isolation and protection
- Precise thermal control enabled

Key Performance parameters:

- dT 3 – dT 4
- N+1 / N+2 Redundant pumps and control systems
- All stainless-steel secondary circuit
- Integrated leak detection systems
- Integrated refill system
- Integrated primary and secondary filtration systems
- Flow rate and temperature control
- Automatic Transfer Switch (ATS)
- Easy access and maintenance
- Plug-and-play factory tested design

Technical Specifications		M-CDU 500	M-CDU 1000
Cooling capacity range	kW	500	1000
Primary temperature range	°C		10
Secondary temperature range	°C		10
Design flow rate	l/s	13,1	26,1
Maximum operating pressure	bar		10
Heat exchanger		Brazen plate	
Pump type and redundancy options		N+1 / N+2	
Filtration system	µm	500 /50-25	
Electrical requirements	V/f/Hz	400/3/50 - 460/3/50	
Control interfaces		Modbus / BACnet	
Dimensions (H × W × L)	mm	1900x600x1050	2100x900x1250
Dry weight / operating weight	kg	600	800
Sound pressure level at 3m	dBA	55	57
Operating temperature range	°C		5 - 55
RAL			7021



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