



EXCOOL ZERO DATA CENTER COOLING SOLUTION

Indirect Adiabatic Cooling. Reimagined.



Capacity Range

250kW – 500kW

Optimised Energy Utilisation

Experience industry-leading low pPUE, ensuring maximum operational efficiency.

Extreme Environment Adaptability

Engineered for impeccable performance, even in the most challenging ambient conditions.

Low-Water Cooling Solution

Achieve superior cooling capabilities consuming minimal water – the pinnacle of sustainability.

Slimline Infrastructure

Excool Zero's adiabatic cooling significantly decreases the peak connected load, resulting in reduced electrical infrastructure requirements.

In-Built Controls Redundancy

UPS-backed controls system, providing comprehensive visibility and immediate response to black building events.

Swift Cooling Backup

Full cooling capacity reached 45 seconds after generator startup, minimising operational disruptions.

Flexible Efficiency

Water and energy prioritisation through customisable efficiency parameters, meeting the specific requirements of all stakeholders.



Turnkey Installation

All-in-one plug & play package for fast deployment and revenue generation.

Quick-to-Market Delivery

Don't let timelines hold you back; our short delivery windows expedite your project schedule.

Intelligent Controls

Optimised cooling control for an advanced operational sequence, giving you precise thermal stability at the highest efficiency.

Onboard Water Treatment

Reduce CAPEX on makeup water plant by virtue of Excool Zero's onboard softening and biological filtration.

IT Infrastructure Protection

Ensure long-term reliability and performance of your servers with the security of Excool Zero's indirect cooling.

Easy Maintenance

Designed for straightforward, hassle-free upkeep, ensuring longevity and continuous performance.

Cost-Efficient Investment

With low CAPEX requirements, we provide a financially accessible solution without compromising on quality or functionality.



EXCOOL ZERO 250

EXCOOL ZERO 450



Sensible Cooling Capacity	250 kW
Supply Air Volume Per Unit	17.4 m³/s
Design External Static Air Pressure	100Pa
Air Filters	Washable Reticulated Foam
Water Filters	0.2µm Absolute Biological Filter Hexametaphosphate Cartridge
Peak Water Consumption	10L/m
Peak Power Consumption	96kW
Electrical Supply 3phs 4wire	50Hz/400V
Dimensions	Height: 3550mm Depth: 2300mm Width: 3000mm
Shipping Weight	3500kg
Operating Weight	4500kg

Sensible Cooling Capacity	470kW
Supply Air Volume Per Unit	30.0 m³/s
Design External Static Air Pressure	100Pa
Air Filters	Washable Reticulated Foam
Water Filters	0.2µm Absolute Biological Filter Hexametaphosphate Cartridge
Peak Water Consumption	20L/m
Peak Power Consumption	180kW
Electrical Supply 3phs 4wire	50Hz/400V
Dimensions	Height: 3550mm Depth: 3600mm Width: 4500mm
Shipping Weight	5600kg
Operating Weight	8000kg

Please note this data sheet represents maximum values with all components operating at 100% capacity. This data sheet is not based on any specific outdoor ambient condition.



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