

# EXCOOL ZERO DATA CENTER COOLING SOLUTION

## Indirect evaporative cooling. Reimagined.



### Capacity range

**250kW - 550kW**

### 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 and 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 550



|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Sensible cooling capacity           | 250kW                                                           |
| 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<br>Hexametaphosphate cartridge |
| Peak water consumption              | 10 L/m                                                          |
| Peak power consumption              | 115kW                                                           |
| Electrical supply 3phs 3/4wire      | 60Hz/400V                                                       |
| Dimensions                          | Height: 3500mm<br>Depth: 2300mm<br>Width: 3000mm                |
| Shipping weight                     | 3500kg                                                          |
| Operating weight                    | 4500kg                                                          |

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Sensible cooling capacity           | 550kW                                                           |
| Supply air volume per unit          | 32.5 m³/s                                                       |
| Design external static air pressure | 100Pa                                                           |
| Air filters                         | Washable reticulated foam                                       |
| Water filters                       | 0.2µm absolute biological filter<br>Hexametaphosphate cartridge |
| Peak water consumption              | 20 L/m                                                          |
| Peak power consumption              | 213kW                                                           |
| Electrical supply 3phs 4wire        | 60Hz/400V                                                       |
| Dimensions                          | Height: 3500mm<br>Depth: 3600mm<br>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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