

modul^R FAN STACK

THE EXCOOL FAN STACK UNIT

Precision cooling wall.



Capacity
250kW - 1MW

Optimised energy utilisation

The Fan Stack's innovative design, unique fan layout and optimal controls allow for a 25% increase in energy efficiency when compared to the competition, reducing operational costs and improving PUE.

Built-in electrical redundancy

Dual power feed connections with a built-in Automatic Transfer Switch (ATS) for complete electrical redundancy.

Remote monitoring and diagnostics

Evaluate system performance and diagnose issues in real-time with remote monitoring from the local BMS or Excool HQ.

In-built controls redundancy

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

Simplified maintenance

The intelligent controls system continually monitors in-built variables, reducing day-to-day maintenance while forecasting and resolving issues before failings occur.

Cost-efficient investment

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

Redundant fan arrangement

The Fan Stack's redundant arrangement provides extra capacity and reduces the load on each fan. This layout safeguards the unit against failure as the remaining fans can ramp up, while also allowing them to operate at a more efficient point on the fan curve.

Expert controls

The Fan Stack offers customisable controls, including group control for dynamic airflow optimisation.



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V-bank filters

Built to maximise efficiency, the Fan Stack product line has integrated V-bank filters to reduce pressure drops across the system, reducing the required fan power and energy consumption.

Strength and flexibility

Part of the Modul^R line, Fan Stack units are highly customisable, allowing for greater capacity and alternative footprint arrangements. Fan Stacks have high-quality welded frames regardless of footprint configuration.

Temperature control

Fan Stacks meet temperature requirements for any application, with options for low CHW coil approach temperatures.

Quick to market delivery

Accelerate your project schedule with our market-leading delivery windows.



Model	EXFS400CE
Sensible cooling capacity	400kW
Supply air volume	29m ³ /s
Voltage	400V/460V/480V
Approach temperature	4 degC
External static pressure	50 Pa
Peak power consumption	25kW
Frequency	50Hz/60Hz
Dimensions	Height: 3678mm Width: 3112mm Depth: 1120mm Depth with filters: 1900mm
Operating weight	1931kg

Model	EXFS600CE
Sensible cooling capacity	600kW
Supply air volume	43m ³ /s
Voltage	400V/460V/480V
Approach temperature	4 degC
External static pressure	50 Pa
Peak power consumption	32kW
Frequency	50Hz/60Hz
Dimensions	Height: 4875mm Width: 3960mm Depth: 1120mm Depth with filters: 1900mm
Operating weight	3650kg