

Data Center

Reliable climate control for higher racks with larger heat loads.

AL-KO DATA AIR FAN WALL

FWU (Fan Wall Unit)

The AL-KO DATA AIR FAN WALL comprises the main functions of a damper, heat exchanger, filter, and EC fan. Fan Wall Units by AL-KO have a minimal footprint with maximum cooling capacity, designed for use in large and hyper-scale data centres. The system is available with cooling capacities ranging from 120 to 600 kW. No raised floor is required in the data center, only a hot aisle.

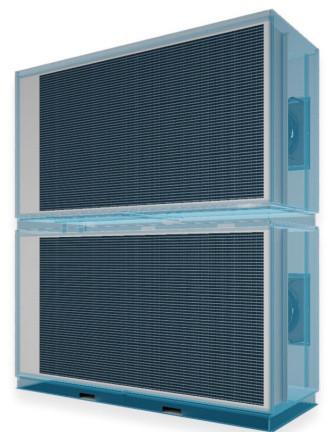
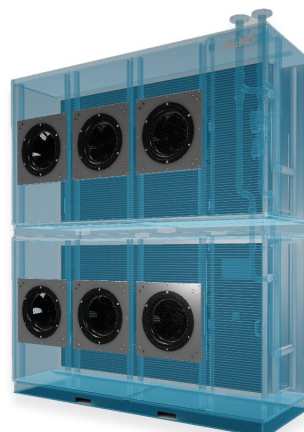
Thanks to its modular design, the AL-KO DATA AIR FAN WALL optimally adapts to the respective room size and various site conditions. Additional advantages include efficient space utilization and operational reliability through redundancy. The dimensions and weight of the individual modules are tailored for easy transport. It is also possible to expand an existing system with additional modules during ongoing operations.

Installation

- Compact design for easier transport
- Easy handling and quick installation with Plug & Play functionality
- Multiple connectivity options
- Cube dimensions designed for container/standard transport
- Special base frame for forklift transport

Maintenance and Operation

- Maintenance-friendly design
- Easy access to relevant components
- Simple filter replacement



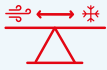
Your Advantages



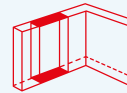
Reliable climate control for higher racks and larger heat loads



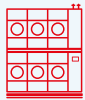
Optimized airflow through CFD analyses for uniform distribution



High air throw distance for uniform cooling of large server rooms



Base frame and panel construction optimized for indoor installation



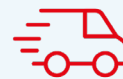
Redundancy through modular design



Various control options including Delta T, differential pressure control, and room and return air



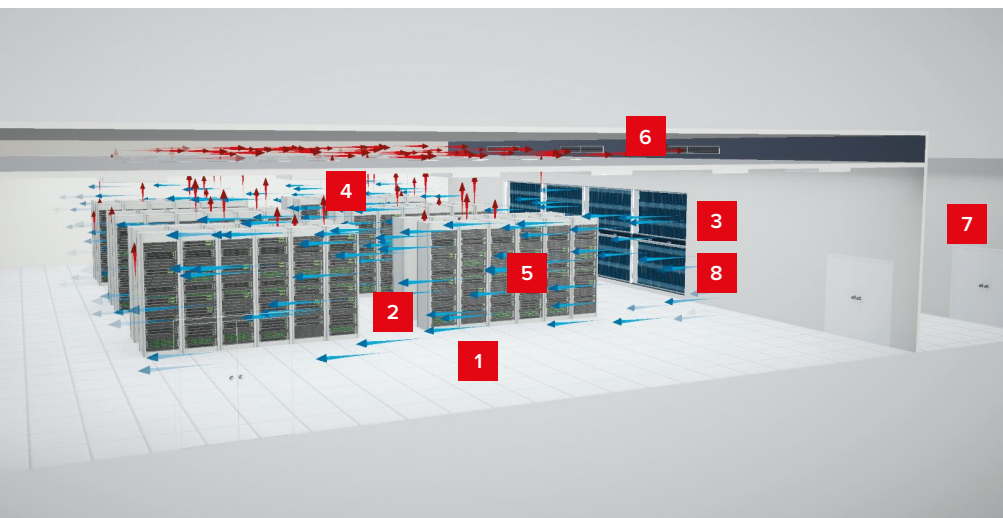
Easy access for maintenance purposes



Space and cost-efficient transport within a standardized shipping container



Maximum cooling capacity with minimal electrical power consumption



Functionality

1. No raised floor required
2. Cooling over the entire cold aisle
3. Wall installation with horizontal airflow
4. Hot aisle containment
5. Higher racks
6. Return air duct
7. Service corridor
8. Fan Wall Units

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Learn more:

