Installation price of hot aisle doors in computer room



Overview

Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare configurations, build a shortlist and send one project-ready enquiry.

Key Takeaways

The installation cost of hot aisle containment doors typically ranges from $2,000 to $10,000 per aisle, depending on system type, aisle length, and customization.

Cost Factors

System Type Hot aisle containment (HAC) can be floor-supported or ceiling-suspended, with modular or bespoke designs. Ceiling-suspended systems often require additional structural support and may cost more, while floor-supported systems are easier to install in retrofit environments. Aisle Length and Rack Configuration The number of racks per aisle, aisle width, and rack height directly affect the number of panels and doors required.

Longer aisles or wider racks increase material and labor costs. Door Features High-quality sliding doors with synchronized double doors, clear viewing panels, airtight gaskets, and ergonomic handles add to the cost. Pre-fabricated or made-to-measure doors are more expensive but reduce on-site labor.

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Installation Complexity Costs increase if the installation requires custom fitting around existing infrastructure, cable management integration, or service support beams. Pre-fabricated modules can reduce on-site labor and installation time. Additional Components Panels, roof sections, magnetic filler strips, and integration with cooling systems (CRAC/CRAH units) may be included in the total cost.

Some vendors provide turnkey solutions that bundle hardware and installation.

Typical Price Range

Small aisles (2–4 racks per side): $2,000–$5,000Medium aisles (5–8 racks per side): $5,000–$8,000Large or custom aisles (hyper-scale or made-to-measure): $8,000–$10,000+ These estimates include both hardware and professional installation. Energy savings and improved cooling efficiency from HAC systems can offset costs over time, with ROI often achieved within 1–2 years due to reduced cooling energy consumption.

Recommendations

Obtain quotes from multiple vendors such as EDP Europe, Tate Global, Eaton, or Ardmac, as pricing varies by region and customization level. Consider modular or pre-fabricated systems to reduce installation time and labor costs. Factor in future scalability, as modular systems allow for easier expansion without full replacement.

By evaluating aisle length, rack layout, and desired door features, you can select a hot aisle containment solution that balances cost, efficiency, and long-term energy savings.

Article Content

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Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare configurations, build a shortlist and send one project-ready enquiry.

Containment | Hot

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Cool Shield™ products provide customers with versatile, turnkey aisle containment systems for new or existing critical spaces. Our offerings range from a single row in a server room to entire data center

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A vital component of a rack cooling aisle containment system that are installed around the doors and magnetic filler panels between network frames and racks to help keep cool air contained.

Double Sliding Aisle Containment Door

Sliding doors in aisle containment refer to a type of door system used in data centers or server rooms to enclose hot or cold aisles. The primary purpose of

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Advantages of Cold Aisle Containment Cold aisle containment offers several distinct benefits for datacenter operations. First, it''s typically easier and less expensive to implement than hot

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Hot aisle containment systems isolate the hot aisle using a similar enclosure system to that of a cold aisle with a sealed door for access. This

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An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

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Hot aisle containment in data centers can double the cooling capacity & increase data center efficiency by 30% or more. Learn more here!

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How hot aisle containment cuts cooling bills, how it compares to cold aisle, and what a retrofit costs. A clear guide for anyone planning a data center

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