SLIDINGDOORS
AISLELOK®

Part Numbers *(see Specifications table)*

Sliding Doors with Adjustable Mounting Post

Sliding Doors with Optional Transom Window

Applications

The Sliding Doors are suitable for either hot or cold aisle containment, for a variety of aisle widths and heights. They are easily installed, removed, and relocated as computer rooms change and evolve. For use in both raised floor and slab-style data center environments.

The Upsite® Sliding Doors are designed for easy, tool-less installation with exclusive Magswitch® technology and elegantly executed with smooth operation and durable construction. The Sliding Doors are a vital part of the AisleLok® Modular Containment solution. The Upsite Sliding Doors work with other AisleLok containment products, such as Rack Top Baffles, allowing for the maximum benefit of airflow management best practices.
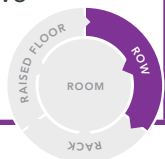
An optional Transom Window can be paired with the Sliding Doors to increase the effective height.

Benefits

- Reduces IT equipment intake temperatures, improving equipment life & reliability
- Tool-less design allows for easy installation, removal, and re-installation
- No drilling required in racks or cabinets
- Containment in minutes without the need for contract labor (see installation video)
- Large see-thru door panels increase safety and security
- Facilitates the reduction of operating costs by improving thermal separation

Features

- Containment for either hot or cold aisle
- Solution for new builds and retrofit data centers
- Modular design accommodates aisles up to 6'6" wide and any cabinet 76 inches and taller
- Entirely tool-less installation with exclusive Magswitch Technology
- Doors slide closed with gravity
- Available in black or white

Specifications

Part Number	Description	Dimensions	Shipping Weight
Sliding Doors			
10155-450	4' Sliding Doors, 85.4 in door height (~42U to 45U), Pair, Black, UL94H-B	H: 85.4 in (2168 mm) W: 61.25 in (1529 mm)	295 lb.
10155-650	6' Sliding Doors, 85.4 in door height (~42U to 45U), Pair, Black, UL94H-B	H: 85.4 in (2168 mm) W: 85.25 in (2139 mm)	295 lb.
10255-450	4' Sliding Doors, 85.4 in door height (~42U to 45U), Pair, White, UL94H-B	H: 85.4 in (2168 mm) W: 61.25 in (1529 mm)	
10255-650	6' Sliding Doors, 85.4 in door height (~42U to 45U), Pair, White, UL94H-B	H: 85.4 in (2168 mm) W: 85.25 in (2139 mm)	
Transom Windows			
20155-450	4' Sliding Door Transom Window, adds 8.75 in (222 mm) to door height (~50U), Black, UL94H-B	H: 11.75 in (298.5 mm) W: 60.15 in (1529 mm)	
20155-650	6' Sliding Door Transom Window, adds 8.75 in (222 mm) to door height (~50U), Black, UL94H-B	H: 11.75 in (298.5 mm) W: 84.20 in (2139 mm)	
20255-450	4' Sliding Door Transom Window, adds 8.75 in (222 mm) to door height (~50U), White, UL94H-B	H: 11.75 in (298.5 mm) W: 60.15 in (1529 mm)	
20255-650	6' Sliding Door Transom Window, adds 8.75 in (222 mm) to door height (~50U), White, UL94H-B	H: 11.75 in (298.5 mm) W: 84.20 in (2139 mm)	

Materials

UL94H-B polycarbonate window panels, extruded aluminim support structure, Magswitch® magnetic attachments.
Note: UL94V-O and FM 4910 fire ratings are available. Call for a quote.

PATENT

U.S. and international patents pending.
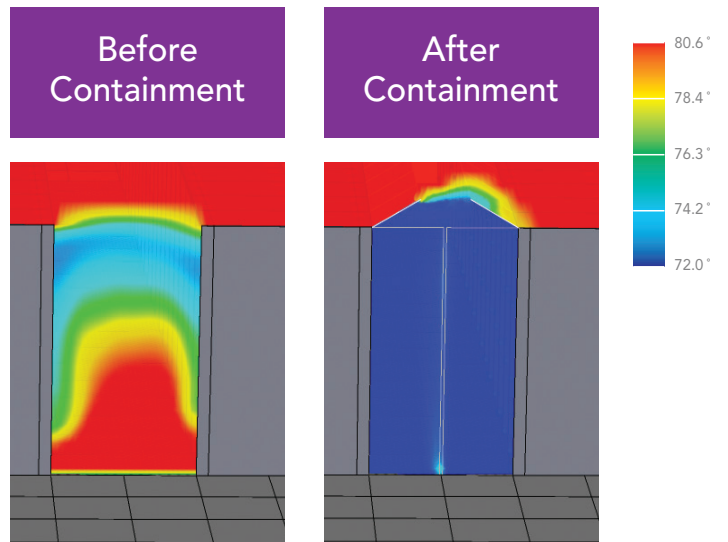
Sealing Effectiveness

- Two designs. A 4' wide version seals aisles from 3'10" (1168 mm) to 4'6" (1372 mm) and a 6' wide version seals aisles from 5'10" (1778) to 6'6" (1981 mm). Custom solutions can also provide benefits for wider aisles.
- Works with a variety of cabinets 76" (1930) and taller.
- Sliding Doors are suitable for cabinets with steel frames.
- Sliding Doors work with our Adjustable Mounting Post (item #10169) for applications where a cabinet is not present.
- Custom height Transom Windows are available.

Panel Flammability Rating

We've designed the Upsite Technologies® Sliding Doors to accept panels with a variety of flammability ratings (UL 94 HB, or UL 94 V-0, or FM 4910). The architecture of the Sliding Doors was designed to be compliant with data center fire codes. Approval for using any AisleLok® Modular Containment solution may vary significantly at the state and local level. As with the installation of any containment method, the final approval for compliance resides with the local authority having jurisdiction (AHJ).

AisleLok® Modular Containment

AisleLok Modular Containment is the industry's first tool-less modular containment solution designed to offer the airflow management benefits of hot and cold aisle isolation, but with higher flexibility and price value than traditional containment solutions. AisleLok Modular Containment solutions include Rack Top Baffles, Sliding Doors or Bi-Directional Doors, Under Rack Panels, and the Adjustable Rack Gap Panel.

Before Containment / **After Containment**

CFD analysis shows a significant reduction in hot air recirculation when aisle-end doors are applied in conjunction with Rack Top Baffles at the end of the cold aisle.

4' Sliding Door - 61.25 in (1556 mm)
6' Sliding Door - 85.25 in (2165 mm)

4' & 6' Sliding Doors 85.4 in (2168 mm)

4' & 6' Sliding Doors 84.47 in (2146 mm)

Sliding Doors closed

4' Sliding Doors - 104.5 in (2654 mm)
6' Sliding Doors - 128.0 in (3251 mm)

4' & 6' Sliding Doors 86 in (2184 mm)

Thickness at handle 5.29 in (134 mm)

Sliding Doors open

4' Transom Window - 60.15 in (1528 mm)
6' Transom Window - 84.15 in (2137 mm)

4' & 6" Transom Window 11.75 in (299 mm)

4' & 6' Transom Window 8.75 in (222 mm)

Transom Window