SLIDING DOORS

Application

The AisleLok® Sliding Doors are a key component in Upsite's AisleLok® Modular Containment solution.

The doors can be used with or without the AisleLok® RackTop Baffles; however, for maximum benefit both products are recommended.

- Can be used for either the hot or cold aisle, or stand-alone equipment.
- Simple installation and modular design allows doors to easily be removed, relocated, or repositioned as your computer room evolves.
- Consists of matching LH and RH door panels with gravity-assisted slide rails.
- Works best when the opposing rows of racks end evenly, but can also be used on uneven rows with the AisleLok® Adjustable Mounting Post (46-10169).
- Beneficial in both raised-floor and slab data centre environments.

Part Numbers

46-11155-650	6' Sliding Doors, Black (42U-45U)
46-11255-650	6' Sliding Doors, White (42U-45U)
46-10155-750	7' Sliding Doors, Black (42U-45U)
46-10255-750	7' Sliding Doors, White (42U-45U)
46-10155-850	8' Sliding Doors, Black (42U-45U)
46-10255-850	8' Sliding Doors, White (42U-45U)

Benefits

- Supports reduced energy costs by providing the opportunity to increase set point temperatures and/or turn off cooling units or reduce fan speeds.
- Supports increased reliability and availability of IT equipment by reducing server intake temperatures.
- Allows for higher rack densities.
- Prevents hot air recirculation.
- Flexible design allows the containment system to adapt as the computer room evolves.
- Tool-less installation with no drilling required.
- Optional mechanical installation is available.
- Lower initial cost than traditional containment.
- Modular design and out-of-the-box installation does not require 3rd party design, engineering, or construction, which minimizes computer room disruption.

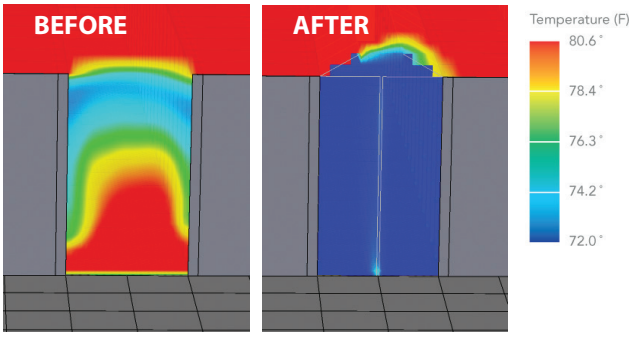
PRODUCT OVERVIEW





Features

- Standardised off-the-shelf design, accommodates common rack heights.
- An optional Transom Window can be paired with the Sliding Doors to increase the effective height.
- No tools required for installation; attaches directly to side of end-aisle cabinets using exclusive Magswitch® technology.
- Quick and easy mounting allows for minimal disruption to the data centre.
- Rugged, high quality design enhances professional aesthetics of the computer room.
- See-through doors provide maximum visibility in and out of the aisle.
- Includes a Stay Open Mechanism to hold doors open as needed.
- Standard in black or white, custom colours are available.
- Flame rated materials.



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

SLIDING DOORS

Specifications

Part Number	Description	Dimensions
46-10155-450	Sliding Doors, 4'W x 42U - 45U, Pair, Black	H: 85.4" (2.17m) / W: 60.15" (1.53m)
46-11155-650	Sliding Doors, 6'W, Black, 2 Doors & 2 Side Panels	80"x4.63"x84.47" (2032x118x2146mm)
46-11255-650	Sliding Doors, 6'W, White, 2 Doors & 2 Side Panels	80"x4.63"x84.47" (2032x118x2146mm)
46-10155-750	Sliding Doors, 7'W, Black, 2 Doors & 2 Side Panels	92"x4.63"x84.47" (2337x118x2146mm)
46-10255-750	Sliding Doors, 7'W, White, 2 Doors & 2 Side Panels	92"x4.63"x84.47" (2337x118x2146mm)
46-10155-850	Sliding Doors, 8'W, Black, 2 Doors & 2 Side Panels	104"x4.63"x84.47" (2642x118x2146mm)
46-10255-850	Sliding Doors, 8'W, White, 2 Doors & 2 Side Panels	104"x4.63"x84.47" (2642x118x2146mm)

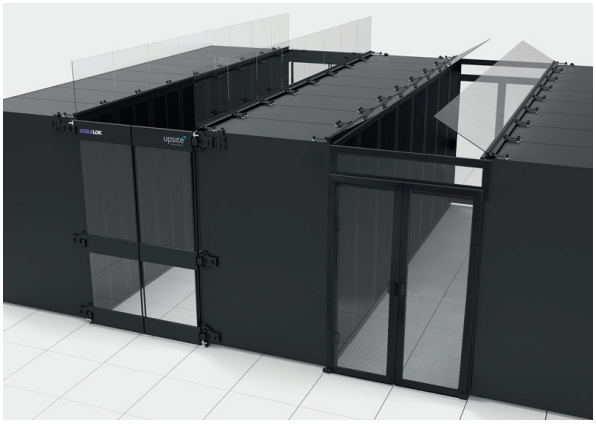
- The 6', 7' and 8' Sliding Doors are designed for aisle widths of 5' 11" to 6' 2" (1803mm to 1880mm), 6' 11" to 7' 2" (2108mm to 2184mm), and 7' 11" to 8' 2" (2413mm to 2489mm), respectively.
- Each Sliding Doors assembly consists of 1 set of 4' doors and 2 Sidelights to fill in the remaining space. Therefore, the 6' Sliding Doors include two 1' Sidelights; the 7' Sliding Doors include two 1.5' Sidelights; and the 8' Sliding Doors include two 2' Sidelights.
- Aisle Width Reduction Kits are available for aisles that are smaller than the standard widths. Please contact us with your specific aisle width requirements for pricing.

Materials

- Features clear polycarbonate panels, extruded aluminium support structure, and Magswitch®* magnetic attachments.

Panel Flammability Rating

The Upsite Technologies®, a division of Aquila, have designed the AisleLok® Sliding Doors to accept panels with a variety of flammability ratings, including UL 94 HB (standard), UL 94 V-0 (custom), or FM 4910 (custom). AisleLok® Modular Containment was designed to be compliant with data centre fire codes, however approval may vary greatly at the country and local level. As with the installation of any containment method, the final approval for compliance resides with the local authority having jurisdiction.



AisleLok® Modular Containment

AisleLok® Modular Containment is the industry's first modular containment solution designed to offer the airflow management benefits of hot and/or cold aisle isolation, but with greater flexibility and price value than traditional containment solutions.

The AisleLok® Modular Containment solution is comprised of Rack Top Baffles, Sliding Doors/
Bi-Directional Doors, Modular Walls, and Adjustable Rack Gap Panels.

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