

Passive Exhaust Chimney Rack Cabinet *CLCH Series*

UL 2416 Rated 3,000 lbs Weight Capacity



When designing a computer room layout, cooling is one of the most important variables to consider.

A popular and cost-effective method of containing heat produced by IT equipment is through a passive hot air chimney. The chimney is fastened to the top-rear of the cabinet and directs hot air from the cabinet into a ducted plenum (lowered T-bar ceiling). The main purpose of the chimney is to prevent the hot air from mixing with the cool air entering the front of the cabinets.

Preventing hot air from mixing with cold air is important as it can increase your cooling efficiencies and eliminate the need for additional cooling. In some cases it can eliminate the demand on the facility CRAC or CRAH units resulting in significant operating costs.



Features

- UL Listed 2416 - meets new UL requirements for equipment cabinets.
 - UL rated for up to 3,000 lbs (1,360 kg) static load rating.
- Constructed in 14-gauge welded steel frame; 16-gauge doors and side panel.
- Includes one (1) side panel. Additional panel, sold separately.
- Doors include 4-pin combination lock with key override.
- Cabinet top includes brushed entry and optional cable trough accessories.
- Finished in rugged textured black powder paint. Also available in textured white upon request.
- RoHS Compliant.
- Manufactured in North America.

Included Components

- Qty one (1) Cabinet frame (CLCF**BK)
- Qty two (2) Pairs of EIA-compliant adjustable depth square hole mounting rails (CLSR44U)
- Qty one (1) Solid side panel (CLCSP**BK)
- Qty two (2) Vertical cable tray (VCTPDU77) - One (1) per side
- Qty one (1) Front vented door (CLCVD44BK)
- Qty one (1) Rear solid door (CLCSD44BK)
- Qty one (1) Top panel designed for use with a chimney (CLC*T**BK)
- Qty one (1) Adjustable height chimney (CLCH202215BK)

Chimney Features

- Constructed in 14-gauge aluminum.
- Adjusts up to 40.50" in overall height.
- The top of the chimney includes a padded pillow gasket to ensure a tight seal where the chimney meets the sealing.
- Chimney also includes other gaskets to prevent whistling or air-leakage.

- Uses two (2) convenient grip screws to adjust the chimney height.
- Finished in textured black powder paint. Also available in textured white upon request.
- Knockdown design ships unassembled (inside of cabinet) for easy handling and shipping protection.
- RoHS Compliant.
- Manufactured in North America.

Thermal Containment System

Both our **CLC** and **CLCH** series are compatible with the Hammond Thermal Containment System (TCS). The TCS Series is typically used for new data centers but can be customized for retrofit applications with any brand of cabinet. Similar to the Thermal Containment Chimney, the purpose of the TCS Series is to reduce or eliminate hot air and cold air from mixing. This reduction increases cooling efficiencies and reduces facility operating costs. The Thermal Containment System can be used for either Hot or Cold Aisle Applications. **To learn more about the TCS series, Click here.**

Gallery



Accessories

- Universal Rack Shelf
- Four Post Mounting Sliding Shelf
- Rack Mount Locking Storage Drawer
- Adjustable Depth Cable Manager
- Horizontal Ring Cable Manager
- Horizontal Steel Finger Cable Manager
- 10-32 Mounting Hardware
- Grounding
- Adjustable Depth Shelf
- Sliding Keyboard Shelf
- Outlet Strips
- Horizontal Lacing Strip
- Horizontal Hinged Cable Manager
- Cable Management Arm
- Rack Panels

Chimney Cabinets

Part No.		Overall Dimensions			Rack Units	Mounting Dimensions		
		Height	Width	Depth		Height	Width	Depth
CLCH1B36BK	1-Bay	83.02	24.00	36.00	44U	77.25	19.00	34.13
CLCH1B42BK	1-Bay	83.02	24.00	42.00	44U	77.25	19.00	40.13
CLCH1B48BK	1-Bay	83.02	24.00	48.00	44U	77.25	19.00	46.13

Overall height includes leveling feet.

Chimney Only

Part No.	Overall Dimensions			
	Min Height	Max Height	Width	Depth
CLCH202215BK	22.50	40.50	20.38	15.38

CLCH Specific Accessories

Part No.	Description
CLCSP36BK	Single solid side panel for 36 inch depth cabinets
CLCSP42BK	Single solid side panel for 42 and 48 inch depth cabinets
CLCCMSP	Cable manager security plate (includes 12 plates, 54 screws, 1 hex key)
CLCCMSC	Cable manager security cover (includes 2 covers, 4 screws, 1 hex key)
CLRHHNG	Right-hand door hinge kit.
CLCTRAY	Cable Tray works as a top cable tray and hides cables view.
CLHAN-01	Replacement Combination Lock Handle
GKIT	Cabinet Baying/Ganging/Joining Kit

Tags: **Ducted Chimney, Chimney Rack, Thermal Management, Rack Containment, Data Center Management, Exhaust Chimney, Rack Chimney Duct** *Data subject to change without notice*

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