

# ES SERVER ENCLOSURES



## DIMENSIONS:

GL840ES-3048 • 84.00"H x 30.00"W x 48.00"D  
 GL840ES-2448 • 84.00"H x 24.00"W x 48.00"D  
 GL840ES-3042 • 84.00"H x 30.00"W x 42.00"D  
 GL840ES-2442 • 84.00"H x 24.00"W x 42.00"D

## RACK SPACES:

All Enclosures are 44 RMU • 19" EIA 310-D Compliant

## WEIGHT CAPACITY:

All Enclosures are 2000 lbs. on Levelers or bolted to floor; 1800 lbs. on Casters



## DIMENSIONS:

GL780ES-3042 • 78.00"H x 30.00"W x 42.00"D  
 GL780ES-2442 • 78.00"H x 24.00"W x 42.00"D

## RACK SPACES:

All Enclosures are 41 RMU • 19" EIA 310-D Compliant

## WEIGHT CAPACITY:

All Enclosures are 2000 lbs. on Levelers or bolted to floor; 1800 lbs. on Casters



## DIMENSIONS:

GL480ES-2442 • 48.00"H x 24.00"W x 42.00"D

## RACK SPACES:

Enclosure is 24 RMU • 19" EIA 310-D Compliant

## WEIGHT CAPACITY:

Enclosure is 2000 lbs. on Levelers, bolted to floor, or on Casters

The ES Series enclosure is designed to accommodate servers and the challenging conditions associated with them, from high density population, to extensive cable management, power and cooling requirements. As demands placed on server enclosures continue to grow, Great Lakes has responded to the challenge with deeper enclosures, more functional accessories and innovative engineering designs which can meet the evolving needs of data center managers.

In addition to those listed below, Great Lakes offers a variety of accessories from shelving to high density PDUs, anti-tip legs, copper bus bars, grounding and ganging kits, as well as a number of power and cooling solutions.



## OFFSET RAIL KIT

**PART NO.**  
OSRK

### DESCRIPTION

Offset Rail Kit for 84" and 78"H x 30"W ES Enclosures; allows one set of rails to be shifted inward creating 6" of space, ideal for routing cable bundles along one side of an enclosure



## BRUSH GROMMET KIT

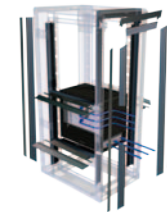
**PART NO.**  
BGRK24

### DESCRIPTION

Kit for 24"W x 78" and 84"H enclosures; helps to direct conditioned air and restricts hot air from recirculating throughout an enclosure

BGRK30

Kit for 30"W x 78" and 84"H enclosures



## SIDE AIRFLOW PLENUM KIT

**PART NO.**  
SAFPL

### DESCRIPTION

Side Air Flow Plenum Kit; utilizes brush grommet to create multiple air dams to direct cool air into equipment such as the CISCO 6500/9500 switch, also assists in the removal of exhaust; can be easily mounted



## FANS FOR CONTOUR MESH DOORS

**PART NO.**  
7217LE2

### DESCRIPTION

Fan Assembly with fan guards and two 75 CFM fans; can be easily mounted to a 24"W contour mesh door

7217LE3

Fan Assembly with fan guards and three 75 CFM fans; can be easily mounted to a 29"W contour mesh door



## PDU1 MOUNTING BRACKET

**PART NO.**  
PDU1

### DESCRIPTION

Set of two mounting brackets allow the vertical mounting of any 1 RMU equipment (such as power strips) without occupying any RMU space within the enclosure; for 30"W ES and 29"W E Series Enclosures

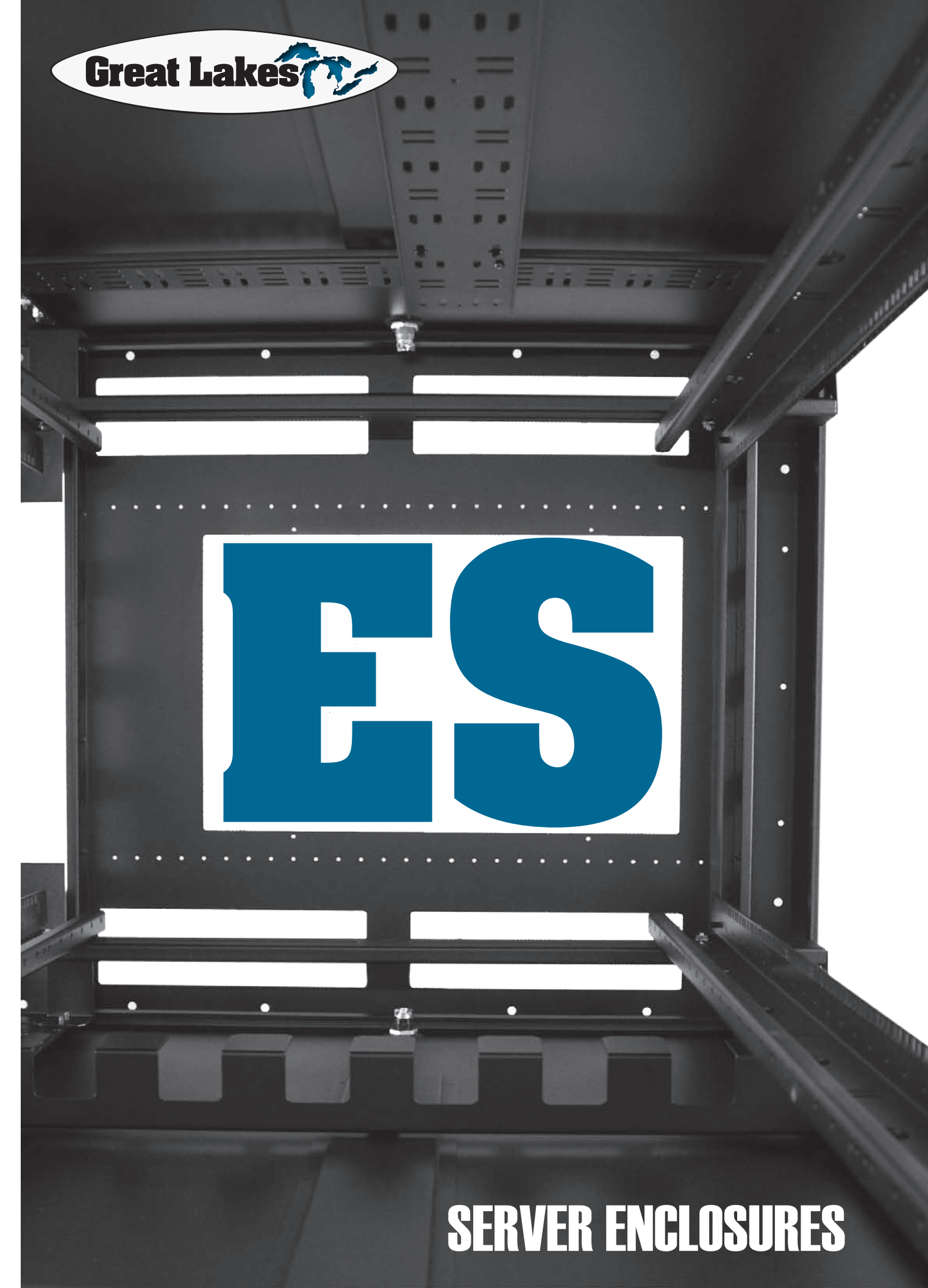
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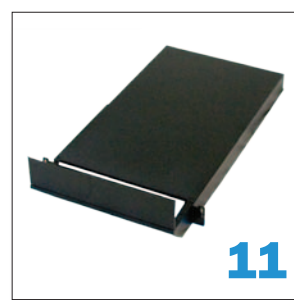
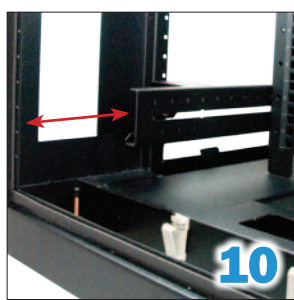
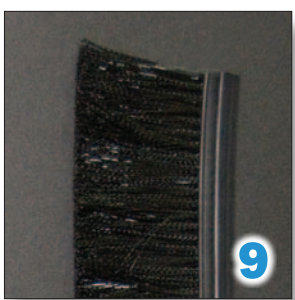
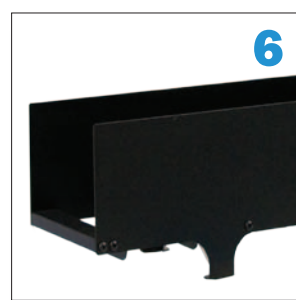
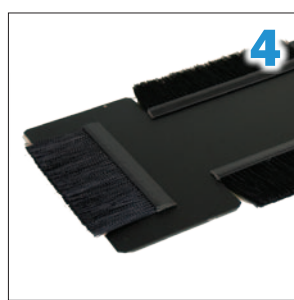
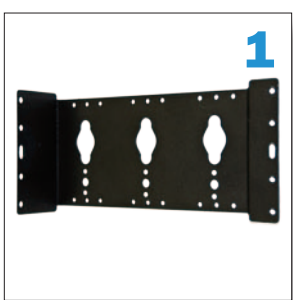


**SERVER ENCLOSURES**





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ES Server Enclosures are designed with integrated features to accommodate servers and the conditions associated with them: high density cable management, power options, and cooling capabilities. When the situation to manage these conditions becomes more challenging, additional accessories can be added to the enclosure.

- ES Enclosures range from 24" to 30"W, and from 42" to 48"D; these extra deep enclosures allow excess room for power and data cables
- 19" EIA 310-D compliant rails have infinite front to rear adjustability; rails are folded three times to produce a channel effect, creating a more rigid rail

The featured enclosure, GL840ES-3042, demonstrates these standard and optional features.

1. Universal power strip mounting brackets allow the mounting of all major brands of power strips, as well as Great Lakes' vertical cable troughs
2. Vertical cable troughs can be installed in each rear corner to handle large cable bundles (up to three, when no PDU is mounted)
3. Contour mesh doors allow more cool air into the enclosure, and exhaust to escape; fan kits mount to the door to aid in horizontal ventilation and the elimination of hot spots
4. Brush grommet top panels create easier overhead cable access while keeping air flow disruption to a minimum
5. Exhaust chimneys serve as a duct that assists in the removal of exhaust air from the enclosure. The process of removing exhaust air can be accelerated through the use of a chimney fan tray. A soft grommet seal at the top of the chimney ensures a tight fit between the chimney and the ceiling
6. Top cable troughs can be mounted over top cable access knockouts so that cables are supported along the bend radius
7. Ladder rack brackets eliminate the need to suspend ladder rack from the ceiling, thus reducing overhead cable infrastructure
8. Cable access knockouts found along the top of the enclosure (30"W only) allow overhead cabling (optional brush grommet seals gaps around cables to prevent air recirculation)
9. Vertical cable pass throughs on the corner post are designed for side networking cable access (optional brush grommet seals gaps around cables to prevent air recirculation)
10. Horizontals of the frame do not extend the entire length of the enclosure, leaving empty space in the rear of the enclosure; this large cavity creates space for tall PDUs and additional cable organizers
11. Air managers mount to the bottom RMU of the enclosure to "manage" the flow of conditioned air into the enclosure. An adjustable slide allows the amount of air to be adjusted as necessary, while maintaining raised floor pressure throughout a data center
12. Bottom cable access knockouts allow under floor cabling and are ideal to pass large PDU plugs through (optional brush grommet bottom panel seals gaps around cables)