ENCONNEX

2019 Containment Catalogue

Enconnex Containment Catalog 2019

Enconnex Containment

Quick Overview

The Data center aisle containment strategies provide a proven means of saving energy and optimizing data center equipment. In fact, The Green Grid quotes that an air management strategy is the initial step of implementing a data center energy savings program.

Implementing containment by separating cold and hot air in the datacenter contributes to energy savings by removing hot spots and improving cooling potential of the air conditioning equipment.

Data center environments without containment are prone to generating more hot spots which might lead to downtime of critical IT equipment causing an impact to the business. Also, a huge portion of the airflow within a typical data center is wasted, bypassing the servers and going directly back to the CRAC units or cooling area within the datacenter which is not intended for any effective cooling. Installation of containment reduces this bypass air, allowing an overall reduction in supply air to the space, reducing the cooling space which is required to be kept cool and thus saving energy.

Reducing hot spots and cooling air bypass saves energy, because it becomes possible to increase supply air and cooling water temperature set points. Equipment efficiencies and potential free cooling hours increase along with these increases in supply temperatures.

There are generally two types of data center containment options: hot aisle containment and cold aisle containment. Choosing which type of containment will work best is completely dependent on site conditions and design of the datacenter layout.
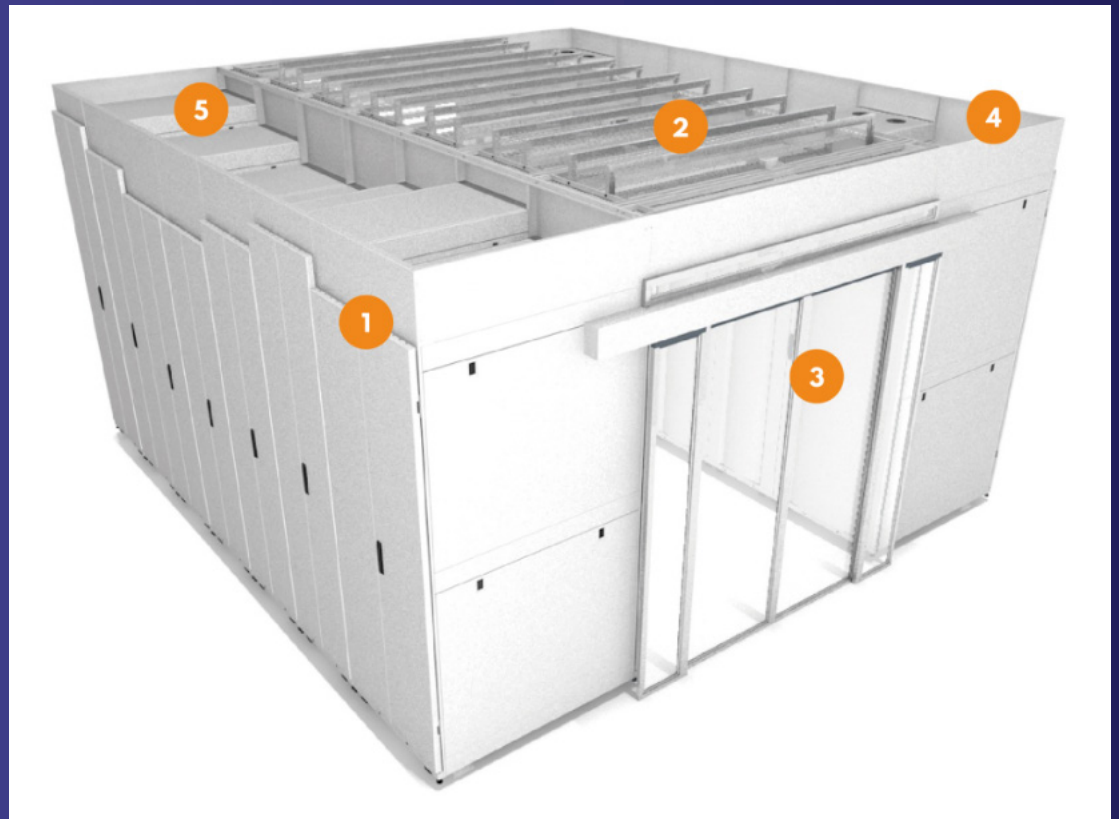
R-Series Containment Solution

Enconnex R Series Flex Containment Solution is a rack supported containment platform where both cold & hot containment can be designed & deployed flexibly and easily. This Containment system is designed to completely separate cold & hot air to achieve high energy efficiency within a single platform, this platform can be deployed in various construction environments due to its easy-expand and multi configuration features. A customizable solution is also available at Enconnex.

Cold Aisle Containment

Cold Aisle Containment is designed to contain cold air within ceilings, doors, cabinets and flooring. The temperature is kept at an ideal level for equipment by continuous cold air supply. The solution can immediately improve energy efficiency and save DC operational costs. It is also ideal for both retrofit and white space data center builds.

Containment Solution

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Enconnex Cabinet Systems

Configure containment rows with Enconnex cabinets. Also, configure cable management and airflow management within the cabinets with Enconnex cabinet accessories.
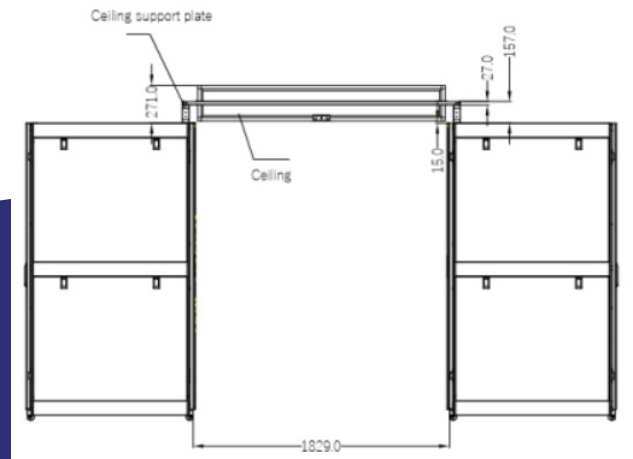
The Enconnex S-series Cabinet is the ultimate solution designed and engineered for demanding data center environments.

Key Features:

- UL 2416 Listed
- 4 Side Panels, double key locks per side
- Industry high perforated front and rear doors
- 3' Castors and Leveling feet
- 1500kg static loading capacity
- 1200kg dynamic loading capacity
- Multiple U height and depth options are available

Ceiling Panel Kit

These kits are supported by the cabinet. Ceiling panels tilt open when fire suppression systems initiate.

The CAC ceiling panels are engineered from a strong, transparent polycarbonate plastic materia..