

Double-row cooling aisle rack ordering plan

Article Overview

A double-row cooling aisle rack ordering plan requires selecting modular containment kits, aligning racks in a hot aisle/cold aisle configuration, and ensuring uniform rack heights for optimal airflow and energy efficiency.

Key Steps for Ordering and Planning

1. Determine Rack Layout and Aisle Type

- Arrange racks in a hot aisle/cold aisle configuration, with the fronts of opposing rows facing each other to form cold aisles and the backs forming hot aisles .
 - Ensure uniform row lengths and rack heights to allow proper installation of containment panels and sliding doors .
- #### 2. Select Containment System Components
- Choose modular aisle containment kits that include frame end kits, telescopic beams, roof panels, and magnetic filler panels .
 - Decide between cold aisle containment (isolates supply air) or hot aisle containment (isolates exhaust air) based on your cooling strategy .
 - Include sliding or dual mechanical doors at aisle ends for safety and airflow control .

3. Calculate Quantity of Components

- Each aisle requires at least two frame end kits and sufficient beams to span the aisle length .
- Roof panels and filler panels should cover the top of all racks to prevent hot and cold air mixing .
- Consider riser panels if racks have varying heights to maintain containment integr...

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room lighting to be used. The panels are easy to remove for servicing. Since it attaches directly to the rack, it is essential that the two

Contact Us

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