

Dimensions of a 120-circuit distribution box



Article Overview

A 120-circuit distribution box is typically a large floor-standing or wall-mounted enclosure, often measuring around 2000-2200 mm in height, 1200-1800 mm in width, and 300-600 mm in depth.

Overview

A 120-circuit distribution box is considered a high-capacity electrical panel, commonly used in commercial or industrial applications. Its size is determined by the number of breaker spaces, internal busbar layout, cable entry requirements, and safety clearances. Unlike small residential panels, these enclosures must accommodate multiple rows of breakers, often arranged in modular sections to allow for maintenance and future expansion .

Typical Dimensions

- Height: 2000-2200 mm (approximately 6.5-7.2 feet)
- Width: 1200-1800 mm (approximately 4-6 feet)
- Depth: 300-600 mm (approximately 1-2 feet) These dimensions are external measurements; internal usable space is slightly smaller due to wall thickness, door returns, and mounting hardware . Floor-standing enclosures are preferred for panels of this size to ensure stability and ease of wiring.

Design Considerations...

Article Content

Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

NEC Requirements for Panelboards and Load Centers

The minimum size of main service is 100A, 120V, 3-wires (Hot as black or red, Neutral as White and Ground as green/yellow or bare

HCP326812N

The I-Line power distribution panelboard is the most versatile on the market and feature Schneider Electric's unique breaker

Distribution Boards & Consumer Units

Clear detailed description of each size and easy to select with the ordering codes. Box with four studs and adjustable nuts for easy fit

Distribution Boards & Consumer Units

Distribution boards, together with modular ABB system pro M Compact protection devices and Modular Din Rail Components, can be

120-Volt Breaker Boxes at Lowes

Breaker boxes are central components of electrical systems and help distribute power and manage circuits within a building. They

ABB Consumer Units & Distribution Boards | PDF

This document provides information on ABB's consumer units and distribution boards, including ordering details. It describes various

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways, Find Details and Price about Distribution Box and Junction Box

Distribution Boards

The Distribution Boards are powered by proven quality, ensuring dependable circuit protection against both overload and short

DISTRIBUTION BOARDS CATALOG

For ampere trip ratings for breaker; refer to table (8 and 9). The below table indicates the features along with the dimensions.

POWER PRODUCT Panelboards

Introduction This generation of panelboards from Siemens offers the high level of engineering and innovation you've come to expect

Electrical Distribution Box Design Guide

The document provides details for designing the electrical distribution box and circuits for a residence. It includes specifications for

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

Electrical Enclosure Sizes: Comprehensive Guide to Choosing the

Find the right electrical enclosure size for any project. This guide covers standard sizes, selection tips, ratings, and

Electrical Box Types & Sizes for Receptacles

types of electrical receptacles (wall outlets or wall plugs): how to choose the right type of electrical receptacle when adding or

Distribution Boards

Distribution Boards - 12 & 20 Way Ordering Information ... Circuit Breaker Selection Chart QFL SPD (Surge Protective Device)

Stocked panelboards

CND/NG breaker 3-pole 1200 A max. JD and KD single connector kits fit in 24- and 30-inch wide panels. JD and KD twin connector

Havells Distribution Board: Efficient Power Distribution for Electrical ...

Explore Havells Distribution Board, designed for efficient power distribution in residential, commercial, and industrial electrical

Distribution Box Guide: Types, Components & Solutions

What is a Distribution Box? A distribution box, or DB box, is a circuit breaker enclosure. It is a vital part and central

Contact Us

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