Price of fan thermal protection distribution box

Overview

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Key Takeaways

The price of a fan thermal protection distribution box typically ranges from $50 to $500 or more, depending on size, material, and features.

Overview

A fan thermal protection distribution box is used in HVAC and industrial systems to manage airflow while protecting fans and electrical components from overheating. These boxes can be made from metal, plastic, or EPP (expanded polypropylene), with each material affecting durability, thermal insulation, and cost. Metal boxes, such as galvanized steel, are common in commercial applications, while EPP boxes offer lightweight, insulated, and noise-reducing properties suitable for residential or eco-friendly projects.

Price Factors

Material: Metal boxes are generally more expensive than plastic or EPP due to structural strength and heat resistance. Size and Capacity: Larger boxes with multiple outlets or higher airflow capacity cost more. Features: Adjustable airflow outlets, thermal protection, and noise reduction can increase the price.

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Application Type: Industrial or commercial-grade boxes with higher voltage or multi-phase compatibility are priced higher than standard residential units. Customization: OEM or custom-built boxes, including specific fan types, voltage, or airflow configurations, may require minimum order quantities and longer lead times, affecting cost.

Typical Price Range

Small residential or standard HVAC boxes: $50–$150Medium commercial boxes with thermal protection: $150–$300Large industrial or custom fan distribution boxes: $300–$500+ For bulk orders or OEM customization, suppliers like Siye Motor or Alibaba vendors may offer negotiated pricing based on quantity and specifications. Online electronics distributors like DigiKey also provide fan and thermal management components, which can be purchased individually for smaller projects.

Recommendations

Determine the required airflow, voltage, and number of outlets before purchasing. Consider material and insulation properties for energy efficiency and noise reduction. Check for thermal protection features to prevent fan overheating and extend equipment life.

Compare supplier quotes for bulk or custom orders to optimize cost. By evaluating these factors, you can select a fan thermal protection distribution box that balances performance, safety, and budget.

Article Content

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Distribution box cooling method

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Product Guide

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