

## **Truck Refrigeration Unit Market By Type (Roof Mount, Split**

Market Report | 2024-01-01 | 287 pages | Allied Market Research

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### **Report description:**

A refrigeration system or reefer unit is an important part of the cold chain logistics infrastructure. It serves to maintain a particular temperature within the cargo space, preserving products' integrity and freshness during transport. Truck refrigeration units are commonly used to keep goods such as foods, drugs, and other perishables from both spoilage or decay and at the proper temperature. They usually include a compressor, condenser, evaporator, and control system for refrigeration. Inside the system, a compressor circulates refrigerant to absorb heat from the cargo space and expel it outside in order that normal temperature is kept.

With the expansion of global trade and with consumers increasingly demanding fresh or temperature-sensitive products, it is especially important that perishable goods can be shipped reliably. To meet this demand, market for the truck refrigeration unit is vital in creating temperature-controlled shipping environments for food and pharmaceuticals as well as other goods which spoil easily. Now, the shipping of pharmaceuticals entails truck refrigeration units which require highly qualified professionals.

According to Pharmaceutical Research and Manufacturers of America (PRMA), at least seven out of the top ten largest pharmaceutical firms in the U.S. use temperature-controlled transport. Also, the supply chain of the pharmaceutical industry involves several logistics operations extending from sourcing and delivery to end users.

Moreover, the precious drugs operated by pharmaceutical enterprises such as AbbVie Inc., McKesson Canada, and Eli Lilly & Company require expensive cold chain logistics to ensure stable transportation. For this reason, cold chain logistics service providers stressed maintaining constant temperature along the entire line of transport; even a 2-degree fluctuation can cause pharmaceuticals to go bad. In addition, with middle-class living standards on the rise, demand for truck refrigeration units looks set to expand further as an increasing variety and amount of frozen food becomes available. Moreover, the rise of fast-paced life and work every day as well as rapid lifestyle changes all have increased appetites for ready-to-eat or frozen foods. This is certainly driving up demand not only for the products themselves but also vegetables used to produce these food items. Therefore, these improvements in logistics and increased demand for frozen foods are propelling the growth of truck refrigeration technology. Furthermore, the widespread adoption of industrial freezing has emerged as a crucial solution to address the challenges of insufficient food supply and the rampant wastage of perishable goods out of season. Governments around the world are increasingly concerned about the environmental impact of food waste and the strain on natural resources caused by the disposal of edible items. In response to this global issue, various organizations, including the U.S. Department of Agriculture (USDA),

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Cornell University, and the Food Marketing Institute, have collaborated to release guidelines and initiatives aimed at minimizing food waste and promoting efficient food storage practices.

Industrial freezing plays a pivotal role in this effort by allowing for the preservation of food for extended periods. This method not only helps in preventing spoilage and extending the shelf life of perishable items but also enables the availability of diverse food options throughout the year. The utilization of advanced technologies in industrial freezing ensures that the nutritional value and quality of the preserved food are maintained, contributing to sustainable food practices.

However, the excessive generation of food waste remains a significant challenge, prompting the need for innovative solutions. By adopting best practices outlined by institutions like the USDA and Cornell University, consumers are empowered with a wide range of options to minimize food waste and make informed decisions about storing food for later use. These practices include proper handling, storage, and utilization of frozen foods, allowing individuals to contribute to the reduction of food waste, environmental degradation, and the judicious use of natural resources. In essence, the integration of industrial freezing and informed consumer practices offers a comprehensive approach to mitigate the impact of food waste on both the environment and the global food supply chain.

The global truck refrigeration unit market is segmented into type, trailer size, end-user, and region. Depending on the type, the market is segregated into roof mount and split. By trailer size, it is categorized into below 20ft, 20-40ft, and above 40ft. As an end-user, it is fragmented into food pharmaceutical, chemical industry, and others. Region-wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key players covered in the report include Advanced Temperature Control, Carrier, Daikin, Denso, Mitsubishi Heavy Industries, Klinge Corporation, Subros, Thermo King, Utility Trailer Manufacturing Company, and Webasto Group.

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the truck refrigeration unit market analysis from 2022 to 2032 to identify the prevailing truck refrigeration unit market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the truck refrigeration unit market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global truck refrigeration unit market trends, key players, market segments, application areas, and market growth strategies.

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- Additional country or region analysis- market size and forecast

- SWOT Analysis

Key Market Segments

By Trailer size

- Below 20ft

- 20-40ft

- Above 40ft

By Type

- Roof Mount

- Split□

By End-user

- Others

- Food

- Pharmaceutical

- Chemical Industry

By Region

- North America

- U.S.

- Canada

- Mexico

- Europe

- UK

- Germany

- France

- Italy

- Rest of Europe

- Asia-Pacific

- China

- India

- Japan

- South Korea

- Rest of Asia-Pacific

- LAMEA

- Latin America

- Middle East

- Africa

- Key Market Players

- DENSO CORPORATION

- Webasto Group

- Carrier

- Thermo King

- Subros Limited

- MITSUBISHI HEAVY INDUSTRIES, LTD.

- Utility Trailer Manufacturing Company, LLC.

- DAIKIN INDUSTRIES, Ltd.,

- Advanced Temperature Control

- Klinge Corporation

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