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South Korea Refrigerated Transport Market Size, Share, Trends and Forecast by Mode of Transportation, Technology, Temperature, Application, and Region, 2026-2034

https://marketpublishers.com/r/SA1EE1FA44A7EN.html
Date: July 2026
Pages: 117
Price: US$ 2,999.00 (Single User License)
ID: SA1EE1FA44A7EN

Abstracts

The South Korea refrigerated transport market size reached USD 395.0 Million in 2025. Looking forward, the market is projected to reach USD 678.3 Million by 2034, exhibiting a growth rate (CAGR) of 6.01% during 2026-2034. The market is witnessing steady growth, driven by increasing demand for safe and temperature-controlled logistics for perishable goods such as food, pharmaceuticals, and biotechnology products. Rising consumer expectations for fresh and quality products, alongside expanding cold chain networks, are also fueling the market. Advancements in vehicle refrigeration technologies are enhancing efficiency and reliability, further contributing to the expanding South Korea refrigerated transport market share.

SOUTH KOREA REFRIGERATED TRANSPORT MARKET TRENDS:

Electrification of Refrigerated Trucks

A prominent trend affecting the refrigerated transport market in South Korea is the increasing adoption of electric and hybrid refrigerated trucks. With tightening environmental regulations and a national focus on sustainability, logistics companies are moving away from diesel-powered vehicles in favor of eco-friendly alternatives. Electric refrigerated trucks provide benefits such as reduced greenhouse gas emissions, lower noise levels, and improved energy efficiency, making them ideal for urban deliveries and cold-chain logistics. For instance, in June 2024, GS Global Corp. launched BYD's T4K electric refrigerated truck, featuring an 82-kWh battery that allows a range of 205 km. The eco-friendly design operates the refrigerator independently from

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the engine, achieving -18°C in 69 minutes, while being 20 cm taller for improved cargo capacity. These trucks are also being equipped with advanced electric refrigeration units that maintain steady temperatures without the use of fossil fuels. This transition is further supported by improvements in battery technology, government incentives, and the growth of EV infrastructure. Businesses recognize that electrification advances environmental objectives and decreases long-term operational expenses. This momentum towards cleaner transport solutions is anticipated to significantly drive South Korea refrigerated transport market growth in the years ahead.

Expansion of Cold Chain Infrastructure

The enhancement of cold chain infrastructure plays a vital role in improving the performance of South Korea’s refrigerated transport sector. Companies are making significant investments in temperature-controlled distribution centers, cross-docking facilities, and local warehouses to address the increasing need for perishable products. These infrastructure advancements allow for better control over product conditions throughout transportation, minimizing spoilage and waste. Contemporary cold storage systems incorporate digital monitoring and automation to maintain ideal conditions in real time. With the growth of e-commerce and food delivery services, the demand for quicker, localized cold storage solutions has become increasingly clear. This strategic investment boosts operational efficiency and fortifies supply chain stability, ensuring that products reach their destinations fresh and safe across various sectors.

Data-Driven Route Optimization

Data-driven route optimization is revolutionizing logistics efficiency in South Korea’s refrigerated transport industry. By utilizing advanced analytics, GPS tracking, and AI-enhanced fleet management systems, companies can shorten delivery times, lower fuel consumption, and reduce spoilage risks. These technologies enable real-time adjustments to routes based on traffic patterns, weather conditions, and customer availability. Automated systems ensure that temperature-sensitive items remain within designated limits throughout transportation. The combination of telematics with route planning provides complete visibility and improved coordination among drivers, dispatchers, and warehouse teams. This level of precision in logistics not only increases customer satisfaction but also enhances cost efficiency and sustainability. As logistics become more time- and temperature-sensitive, data-driven optimization is becoming a key element of competitive strategies within the cold chain.

SOUTH KOREA REFRIGERATED TRANSPORT MARKET SEGMENTATION:

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IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on mode of transportation, technology, temperature, and application.

Mode of Transportation Insights:

- Refrigerated Road Transport
- Refrigerated Sea Transport
- Refrigerated Rail Transport
- Refrigerated Air Transport

The report has provided a detailed breakup and analysis of the market based on the mode of transportation. This includes refrigerated road transport, refrigerated sea transport, refrigerated rail transport, and refrigerated air transport.

Technology Insights:

- Vapor Compression Systems
- Air-Blown Evaporators
- Eutectic Devices
- Cryogenic Systems

A detailed breakup and analysis of the market based on technology have also been provided in the report. This includes vapor compression systems, air-blown evaporators, eutectic devices, and cryogenic systems.

Temperature Insights:

- Single-Temperature

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Multi-Temperature

The report has provided a detailed breakup and analysis of the market based on the temperature. This includes single-temperature and multi-temperature.

Application Insights:

Chilled Food Products

Dairy Products

Bakery and Confectionery Products

Fresh Fruits and Vegetables

Others

Frozen Food Products

Frozen Dairy Products

Processed Meat Products

Fish and Seafood Products

Others

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes chilled food products (dairy products, bakery and confectionery products, fresh fruits and vegetables, and others), frozen food products (frozen dairy products, processed meat products, fish and seafood products, and others), and others.

Regional Insights:

Seoul Capital Area

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Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT
How has the South Korea refrigerated transport market performed so far and how will it perform in the coming years?
What is the breakup of the South Korea refrigerated transport market on the basis of mode of transportation?
What is the breakup of the South Korea refrigerated transport market on the basis of technology?
What is the breakup of the South Korea refrigerated transport market on the basis of temperature?
What is the breakup of the South Korea refrigerated transport market on the basis of application?
What is the breakup of the South Korea refrigerated transport market on the basis of region?
What are the various stages in the value chain of the South Korea refrigerated transport market?
What are the key driving factors and challenges in the South Korea refrigerated transport market?
What is the structure of the South Korea refrigerated transport market and who are the key players?

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What is the degree of competition in the South Korea refrigerated transport market?

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