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Greenhouse Heater Market Forecasts to 2034 – Global Analysis By Type (Gas Heaters, Electric Heaters and Paraffin Heaters), System, Application, Distribution Channel, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Greenhouse Heater Market is accounted for $60.3 billion in 2026 and is expected to reach $151.5 billion by 2034 growing at a CAGR of 12.2% during the forecast period. A greenhouse heater is a tool used to keep a greenhouse's temperature steady and ideal. Plants are cultivated in greenhouses, particularly in the winter months when the temperature within the greenhouse is critical to plant development. The provision of warmth and the avoidance of temperature variations that may be detrimental to plants are made possible by greenhouse heaters.

According to government data, India's exports of agricultural and processed food products increased by more than 13% in USD from April to November for the fiscal year 2021–22, compared to the previous year's period.

Market Dynamics:

Driver:

Increase in the production of greenhouse vegetables

To support the world's rapidly growing population, agriculture productivity must be significantly increased. Together with the rising global population's overall food intake, cuisines throughout the world are also diversifying and including an increasing amount of high-value vegetables into their meals. In response to this market environment, farmers all over the world are increasing the amount of vegetables they grow in their

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crop portfolios. This helps the farmers not only increase their gross earnings but also improve their cash flow position. The usage of greenhouse heaters is anticipated to rise dramatically in the upcoming years in order to permit greater yields and counteract the seasonal nature of vegetable growing, which will raise the need for greenhouse heater systems.

Restraint:

High initial costs

Advanced greenhouse heating equipment may be out of reach for small-scale or novice greenhouse operators with tight budgets due to high upfront expenditures. Due to the exclusion of a sizable section of potential clients, this may limit the possibility. Moreover, due to their limited financial resources, smaller greenhouse operators may find it difficult to compete with bigger, more established rivals, this can lead to unequal market conditions. In addition, because effective greenhouse heaters may be expensive initially, many greenhouse owners rely on government subsidies and incentives to help offset their expenses. These subsidies have the potential to become very important to the market, and their supply may fluctuate, which might undermine market stability.

Opportunity:

Increased interest in controlled environment agriculture (CEA)

In order to maximize crop growth and quality, controlled environment agriculture depends on maintaining particular temperature ranges. This means that in order to deliver the required warmth, especially in areas with drastic temperature swings, greenhouse heaters must be dependable and effective. Energy efficiency and sustainability are becoming more and more important aspects of these operations. The industry therefore experiences an increase in demand for energy-efficient greenhouse heating technologies and solutions, such as heat recovery systems, solar heating, and geothermal heating. Moreover, technological advancements in agriculture and controlled environment agriculture have led to the adoption of sophisticated heating systems that are specifically designed to meet the demands of indoor and controlled environment farming.

Threat:

Requirement of high maintenance and repair

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Greenhouse heaters frequently need to be temporarily disconnected for maintenance and repairs. The production cycle may be impacted by this downtime, particularly in commercial greenhouses where continuous growth is crucial. It may lead to lower agricultural production and financial losses. For greenhouse operators, these costs can be burdensome, especially for those with tight budgets. Certain greenhouse heaters are intricate systems that need for certain knowledge and equipment to maintain or repair. Operators of smaller greenhouses or those without access to trained specialists may find it difficult to complete maintenance duties, which might cause delays or inefficiencies which thereby hampers the growth of the market.

Covid-19 Impact

The COVID-19 pandemic is having a detrimental effect on agriculture's whole supply chain, which in turn is having an effect on the demand for greenhouses heaters. Lockdown conditions are in place around the world as a result of this epidemic. Due to their lack of distribution in retailers, several growers are either reducing their supply or closing their doors entirely. There is a sharp rise in the need for truck and shipping firms. But since fewer individuals are leaving their houses to make purchases and run errands, there is very little supply. Grocery stores and merchants have had to send out shipments of merchandise on a regular basis to restock their shelves due to panicked purchases made by customers. But because of the interruption in the supply chain, many producers in the greenhouse sector are finding it difficult to ship their products.

The gas heaters segment is expected to be the largest during the forecast period

The gas heaters segment is estimated to have a lucrative growth, as they provide heat using either propane or natural gas as a fuel source. Larger greenhouses and commercial enterprises can benefit from gas heaters since they have the capacity to provide substantial amounts of heat. When compared to electricity, natural gas and propane are frequently more affordable fuel sources, which can result in less heating expenses for greenhouse operators. Hence all the above factors propel the market growth.

The plastic greenhouse segment is expected to have the highest CAGR during the forecast period

The plastic greenhouse segment is anticipated to witness the highest CAGR growth during the forecast period, as plastic materials, such as polycarbonate panels or plastic

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film, are the main components of plastic greenhouses. For crop production, they are frequently utilized in horticulture and agriculture, and in order to maintain ideal temperatures, heating systems are frequently needed. Compared to conventional glass greenhouses, plastic greenhouses are usually less expensive to construct and maintain. These financial savings may allow for the purchase of energy-efficient heating systems because they are lightweight, plastic greenhouse structures are simpler to install and alter. Installation and distribution of heating systems may be done efficiently because to this versatility.

Region with largest share:

Asia Pacific is projected to hold the largest market share during the forecast period owing to extreme strain due to population growth and dietary changes. When agricultural yields plateau, water scarcity grows, natural disasters happen more frequently, soil degradation increases, and biodiversity decreases, farmers find it difficult to keep up. In a similar vein, other APAC nations including Australia, Japan, and India encourage the expansion of the greenhouse heater industry in the zone. Using smart systems supported by big data, Chinese farmers may leverage this strategy in conjunction with the most recent technology to monitor soil conditions in real-time, accomplish warning and management, and monitor pests effectively.

Region with highest CAGR:

Europe is projected to have the highest CAGR over the forecast period, owing to varied climate, with frigid winters and erratic weather patterns. Especially in the winter, greenhouse heaters are crucial for preserving the right temperature for crop development. Strict energy efficiency standards have been put in place by the European Union as well as several individual European nations. As a result, energy-efficient greenhouse heating systems have been developed and used. To promote the use of environmentally friendly and energy-efficient heating systems in agriculture, several European governments provide grants and incentives thus encouraging in the growth of the market.

Key players in the market

Some of the key players profiled in the Greenhouse Heater Market include Argus Control Systems Ltd., Certhon, Logiqs B.V., DutchGreenhouses, Green Tek, Greentech India, Heliospectra AB, Hort Americas, HotBox International, International Greenhouse Company, L.B. White Company, Lumigrow, Inc., Nexus Corporation, Richel Group SA,

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Roberts-Gordon, Rough Brothers Inc, Siebring Manufacturing, Southern Burner Co., Texas Greenhouse Company Inc and Agra Tech, Inc.

Key Developments:

In September 2023, DENSO Corporation has announced that it has acquired the full stake in Certhon Group, a Dutch horticultural facility operator, with the aim of accelerating the global expansion of its agricultural production business.

In June 2023, Certhon and Living Greens Farm announce a strategic partnership to further develop and globally expand Living Greens Farm’s disruptive aeroponic growing technology. The effective growing technology of aeroponics has been developed to perfection by USA lettuce grower, Living Greens Farm, Inc.

Types Covered:

- Gas Heaters
- Electric Heaters
- Paraffin Heaters

Systems Covered:

- Steam
- Hot Water
- Hot Air
- Infrared

Applications Covered:

- Plastic Greenhouse
- Glass Greenhouse

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Distribution Channels Covered:

- Indirect
- Direct

End Users Covered:

- Small And Middle Greenhouse
- Large Greenhouse

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe

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  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

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What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking

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Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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11 KEY DEVELOPMENTS

12 COMPANY PROFILING

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List Of Tables

LIST OF TABLES

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