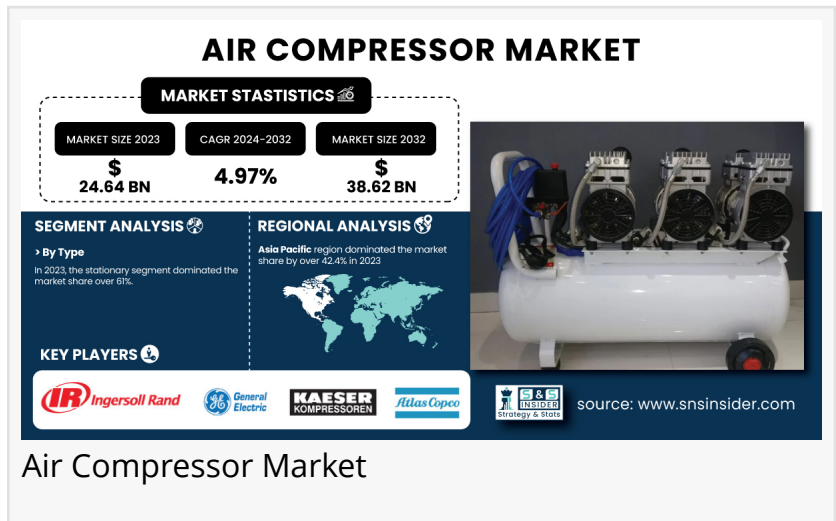


Air Compressor Market to USD 38.62 Bn by 2032 Owing to Rising Industrialization & Demand for Energy-Efficient Solutions

The air compressor market is growing with industrialization in developing regions and rising demand for energy-efficient, sustainable solutions.

AUSTIN, TX, UNITED STATES, January 28, 2025 /EINPresswire.com/ -- The [air compressor market](#) size was valued at USD 24.64 billion in 2023 and is expected to reach USD 38.62 billion by 2032, growing at a CAGR of 4.97% over the forecast period 2024-2032.



Growth and Trends in the Air Compressor Market: Advancements and Industrial Demand

The air compressor market is experiencing significant growth, driven by increasing industrial applications and technological advancements. Industries such as manufacturing, oil and gas, and healthcare are major consumers of air compressors, utilizing them for tasks like powering pneumatic tools, inflating tires, and supporting various industrial processes. The demand for energy-efficient and environmentally friendly compressors is rising, prompting manufacturers to develop products that consume less power and reduce carbon emissions. Additionally, the adoption of automation across various industries is boosting the use of pneumatic systems, further propelling the demand for air compressors. Technological innovations, including the integration of Internet of Things (IoT) capabilities, are enhancing compressor performance and enabling real-time monitoring, thereby improving operational efficiency. The market is also benefiting from supportive government policies on energy conservation and growing consumer awareness regarding product quality and air quality standards.

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Key Players:

- Frank Compressors: (Industrial air compressors, screw compressors)
- Galaxy Auto Stationary Equipment Co. Ltd.: (Portable and stationary air compressors)
- Gast Manufacturing, Inc.: (Piston air compressors, vacuum pumps)
- GENERAL ELECTRIC: (Industrial air compressors, gas turbine-driven compressors)
- Ingersoll Rand Plc: (Reciprocating and rotary screw air compressors)
- Kaeser Compressors: (Rotary screw air compressors, blowers)
- MAT Industries, LLC: (Portable air compressors, contractor air compressors)
- AireTex Compressor: (Oil-free and oil-lubricated compressors)
- Atlas Copco: (Oil-free air compressors, rotary screw compressors)
- Bauer Group: (Breathing air compressors, high-pressure compressors)
- BelAire Compressors: (Reciprocating air compressors, rotary screw compressors)
- Cook Compression: (Compressor valves, seals, and packing)
- Compressor Products International: (CPI) (Compressor components, rod packing)
- ELGi Equipments Ltd.: (Oil-lubricated and oil-free screw compressors)
- Sullair LLC: (Portable air compressors, rotary screw air compressors)
- Quincy Compressor: (Reciprocating air compressors, rotary screw compressors)
- Doosan Portable Power: (Portable air compressors, industrial air solutions)
- Hitachi Industrial Equipment Systems Co., Ltd.: (Oil-free screw compressors, scroll compressors)
- Gardner Denver, Inc.: (Rotary screw air compressors, reciprocating compressors)
- Chicago Pneumatic: (Piston and rotary screw compressors)

The growing industrialization in emerging economies, especially in Asia-Pacific and Latin America, is driving the demand for air compressors across industries like automotive, construction, and manufacturing.

Industrialization in emerging economies, especially in Asia-Pacific and Latin America, significantly fuels the growth of the air compressor market. As these regions undergo rapid industrialization, there is an increasing need for air compressors across various sectors. Industries such as automotive, construction, and manufacturing require reliable and efficient air compression systems for production processes, equipment maintenance, and energy generation. The expansion of infrastructure and urbanization further drives the demand for air compressors, with industries relying on compressed air for tools, machinery, and automation. As these economies continue to develop, the need for air compressors is expected to grow, contributing to market expansion and technological advancements in the field.

Market Dominance of Stationary and Rotary/Screw Air Compressors: Key Trends and Insights from 2023

By Type:

Stationary segment dominated with the market share over 61% in 2023. These compressors are particularly suited for large-scale industrial applications such as manufacturing plants and

automotive repair shops. Their design typically includes larger, more powerful components, enabling them to handle heavy-duty tasks efficiently. Stationary air compressors are preferred in industries that require consistent and high-capacity air supply for extended periods.

By Product:

The rotary/screw segment dominated with the market share over 48% in 2023, driven by their key advantages. These compressors are preferred for their quiet operation, energy efficiency, and consistent performance. Their ability to provide a continuous air supply without significant downtime makes them ideal for industries that rely on a steady and dependable compressed air source. The growing demand for rotary/screw air compressors is evident in sectors such as manufacturing, automotive, and construction, where reliability and cost-effectiveness are essential.

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Asia Pacific Leads Market with China's Industrial Dominance, While Europe Sees Growth Driven by Sustainability in 2023

The Asia Pacific region dominated with the market share over 42.4% in 2023, primarily due to China's strong industrial base. As a global manufacturing hub, China plays a pivotal role in electronics production, especially semiconductors and microchips, which require precise manufacturing processes. This demand for high-precision manufacturing fuels the need for air compressors, crucial for ensuring efficiency and reliability in production. As China's industrial sector continues to grow, the demand for advanced air compressor solutions is expected to rise, supporting the region's dominance in the market.

In 2023, Europe is projected to see notable growth due to a heightened emphasis on sustainability and energy efficiency. European countries are prioritizing the adoption of energy-efficient air compressors to meet ambitious climate goals and comply with stringent environmental regulations. This shift toward more sustainable technologies is expected to drive demand for advanced air compressors across key sectors such as manufacturing, construction, and energy. As industries increasingly focus on reducing their carbon footprint and enhancing energy efficiency, the need for innovative, eco-friendly air compressor solutions is anticipated to grow significantly in the coming years.

Recent Developments

- In March 2023: Sullair introduced the E1035H, an advanced air compressor designed to offer durability, reliability, and performance comparable to diesel-powered compressors. The product aligns with Hitachi's environmental goals, specifically the Hitachi Environmental Innovation 2050 initiative. This new compressor offers an eco-friendly alternative with improved energy

efficiency.

- In April 2023: Atlas Copco announced the acquisition of the compressed air business division of Asven S.R.L., a company specializing in the service, installation, and sales of compressed air systems. This acquisition will strengthen Atlas Copco's position in the European market, particularly in Italy, and expand its service network for air compressor solutions.

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Akash Anand

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