

Industrial Air Compressor Market by Product Type (Positive Displacement, Dynamic), Output Power (Up to 50 kW, 51–250 kW, 251–500 kW, & Above 500 kW), Seal (Oil-flooded & Oil-free), End-user, Design, Pressure, Coolant and Region - Global Forecast to 2026

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Abstracts

The industrial air compressor market is projected to reach USD 42.9 billion by 2026 from an estimated USD 32.7 billion in 2021, at a CAGR of 5.6% during the forecast period. The global industrial air compressor market is driven by the rapid industrialization and increasing automation in emerging economies, inflow of investments and rising demand for oil-free compressors in food & beverages industry, and the surging demand from HVAC industry. The increasing demand for energy-efficient air compressors, rapid transformation of IoT in compressed air industry, and initiatives to set up new gas transportation infrastructure and upgrade existing infrastructure are expected to offer lucrative opportunities for the industrial air compressor market during the forecast period.

“The oil-flooded segment, by seal type, is expected to be the largest market from 2021 to 2026”

The seal type segment is categorized as oil-flooded and oil-free. The oil-flooded segment held the largest share of the industrial air compressor market. Oil-flooded compressors use oil to lubricate the air compression chamber, lubricate parts, and seal in the air. They find increasing usage as they are more economical than an oil-free compressor and generally complete the compression process in a single stage. The compressor is commonly used in industries such as oil & gas, textiles, rubber and

plastics, and metals and mining, where cleaner compressed air requirement is optional.

“The positive displacement segment, by product type, is expected to be the largest market from 2021 to 2026”

The positive displacement segment held the largest share of the industrial air compressor market. Positive displacement industrial air compressors can be bifurcated into reciprocating and rotary compressors. Positive displacement air compressors are commonly used in construction, automotive and transportation, packaging, food & beverages, metals and mining, and other end-user industries. These sectors are expected to experience a growth in investments, propelling the demand for positive displacement air compressors.

“Asia Pacific: The largest and the fastest-growing region in the industrial air compressor market.”

Asia Pacific is expected to dominate the global industrial air compressor market between 2021–2026. The growth of the regional market is driven by the increasing investments in LNG, chemicals, and mining along with the growth of the domestic manufacturing sector, including automotive and food & beverages. Asia Pacific is experiencing rapid economic growth, and to meet its energy demand while adhering to decarbonization plans, it is witnessing a spike in investments in hydrogen energy as well as green energy sectors.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 65%, Tier 2- 24%, and Tier 3- 11%

By Designation: C-Level- 35%, D-Level- 25%, and Others- 40%

By Region: Asia Pacific– 45%, North America – 22%, Europe – 18%, and South America – 5%, Middle East & Africa – 10%

Note: “Others” include sales managers, engineers, and regional managers

The tiers of the companies are defined based on their total revenue as of 2019: Tier 1: >USD 1 billion, Tier 2: USD 500 million–1 billion, and Tier 3:

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