

Global Compressors for R290 Refrigerator Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Compressors for R290 Refrigerator market size was valued at US\$ 10166 million in 2025 and is forecast to a readjusted size of US\$ 16084 million by 2032 with a CAGR of 6.1% during review period.

In 2025, global output reached 260 million units, with an average selling price of 38 USD per unit, production capacity of 290 million units, and a gross margin of 27%.

Compressors for R290 refrigerators are core components used in household and commercial refrigeration systems that employ propane (R290) as the refrigerant. They compress and circulate refrigerant vapor to drive the refrigeration cycle, while incorporating hermetic structures, electrical protection, optimized lubrication, and low-charge designs to meet safety and efficiency requirements for flammable refrigerants.

Upstream includes suppliers of motor components (stators and rotors), crankshaft and connecting rod assemblies, valve systems, steel shells, electronic controllers, and refrigeration lubricants. Midstream consists of compressor manufacturers and system integrators, while downstream comprises refrigerator, freezer, and light commercial refrigeration OEMs serving household appliances, retail display equipment, and small cold-chain systems.

The Compressors for R290 Refrigerator market is a low-GWP refrigerant application segment within refrigeration compressors, with demand mainly coming from household refrigerators, commercial freezers, light commercial refrigeration equipment, beverage coolers, display cabinets, and cold-chain terminal equipment. R290, namely propane,

has a low global warming potential and good thermodynamic performance, which aligns with the refrigeration industry's transition toward low-carbon, energy-efficient, and environmentally friendly refrigerant alternatives. As restrictions on high-GWP refrigerants become stricter across different markets, refrigerator and light commercial refrigeration equipment manufacturers are showing increasing demand for R290-compatible compressors. However, because R290 is flammable, these compressors require higher standards in motor design, sealing structure, explosion-proof safety, refrigerant charge control, system matching, and certification compliance. Overall, market competition focuses on high energy efficiency, compact size, low noise, reliability, safety design, stable mass supply, and compatibility with downstream refrigeration systems.

This report is a detailed and comprehensive analysis for global Compressors for R290 Refrigerator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Compressors for R290 Refrigerator market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Compressors for R290 Refrigerator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Compressors for R290 Refrigerator market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Compressors for R290 Refrigerator market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Compressors for R290 Refrigerator

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Compressors for R290 Refrigerator market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Secop, Embraco, Huayi Compressor Co. Ltd., LG Electronics, Panasonic, Highly, Midea, Gree, Bingshan Songyang Compressor (Dalian) Co., Ltd., Yinghua Tech, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Compressors for R290 Refrigerator market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hermetic Reciprocating Compressors

Rotary Compressors

Market segment by Speed Control Method

Fixed-speed Compressors

Variable-speed (Inverter) Compressors

Market segment by Cooling Capacity Range

Small Capacity (<200 W)

Medium Capacity (200-500 W)

Market segment by Cylinder Configuration and Compression Stage

Dual-cylinder Single-stage Compressors

Dual-cylinder Two-stage Compressors

Market segment by Application

Household

Commercial

Others

Major players covered

Secop

Embraco

Huayi Compressor Co. Ltd.

LG Electronics

Panasonic

Highly

Midea

Gree

Bingshan Songyang Compressor (Dalian) Co., Ltd.

Yinghua Tech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Compressors for R290 Refrigerator product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Compressors for R290 Refrigerator, with price, sales quantity, revenue, and global market share of Compressors for R290 Refrigerator from 2021 to 2026.

Chapter 3, the Compressors for R290 Refrigerator competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Compressors for R290 Refrigerator breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Compressors for R290 Refrigerator market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Compressors for R290 Refrigerator.

Chapter 14 and 15, to describe Compressors for R290 Refrigerator sales channel, distributors, customers, research findings and conclusion.

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