

# Compressors: Technologies and Global Markets to 2023

<https://marketpublishers.com/r/CBD083A31943EN.html>

Date: October 2019

Pages: 167

Price: US\$ 1,375.00 (Single User License)

ID: CBD083A31943EN

## Abstracts

### REPORT SCOPE:

This marketing report covers all aspects of the global compressor market. As the compressor market is dependent on the macroeconomics and social developments, the key macro and socio indicators are analyzed and forecasted through 2023. To give more insights on the market changes, the market analysis is segmented by general types (dynamic displacement and positive displacement), seal type (lubricated and oil-free) and portability (portable and stationary). Also, the study investigates end users and applications, and breaks sales down through a variety of channels that allows distributors to investigate sales channel strategies and define sales tools.

A compressor is a device that increases the pressure of a substance (usually an air or a gas) by reducing its substance. Compressors segments covered in this report include:

By product type:

Dynamic displacement compressors (including centrifugal): here, the mechanical linkage reduces the volume of air or gas physically to increase pressure.

Positive displacement (rotary and reciprocating): this type of compressor provides some velocity to an air or a gas which is then diffused, resulting in increased pressure.

By seal type:

Lubricated compressor.

Oil free compressor.

By portability type:

Stationary compressors.

Portable compressors.

Market segments by application (home appliances, oil and gas, energy, manufacturing, food and beverage, healthcare, construction, chemical, others) and end-user sector (industrial, agricultural, households, others) will be studied as well.

This report does not touch on subtypes of rotary and reciprocating compressors like membranous, pistons, plates and spirals.

As technology is the key driver of the compressor market, innovations and tech trends are studied in this report. Analysis of value chains is the very important part of work as it allows to figure out the role of the market players within the compressors manufacturing and sales business.

The market analysis breakdown by regions is: North America, Europe, Asia-Pacific, Africa, Middle East and Latin America. Some key countries are analyzed within regions as their influence defines the key trends and changes on the regional markets.

International trade by the equipment and machinery building products is highly affected by tariffs and non-tariff regulations. This issue is studied within this report. All tariff rates for major importing countries as well as legal requirements and certifications are presented as well.

Also, there is a particular focus on key manufacturers and distributors regarding their performance, innovations and development strategies.

## **REPORT INCLUDES:**

42 data tables and 21 additional tables

An overview of the global market and technologies for compressors

Analyses of global market trends, with data from 2017, 2018, and projections of compound annual growth rates (CAGRs) through 2023

Coverage of classification, product description and technical characteristics of compressors

Discussion about key drivers, constraints and strategies for the global compressor market development

Evaluation of macroeconomic indicators and population dynamics by region, including GDP, export/import, trade balance, population, and exchange rates of the key currencies

Detailed profiles of the major companies in the market, including Atlas Copco, Campbell Hausfeld, Ebara Corp., GE Oil & Gas and Siemens

## Contents

### **CHAPTER 1 INTRODUCTION**

Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report  
Information Sources  
Methodology  
Geographic Breakdown  
Analyst's Credentials  
BCC Custom Research  
Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND**

Macroeconomic Indicators of Global Development  
Compressors Classification and Product Description  
Compressors by Product Type  
Compressors by Seal Type  
Compressors by Output Power  
Compressors by Portability Type  
Raw Materials for Compressor Manufacturing  
Key Drivers and Constraints of the Global Compressor Market

### **CHAPTER 4 MARKET BREAKDOWN BY TECHNOLOGY TYPE**

Manufacturer Revenue by Compressor Type  
Manufacturer Revenue by Compressor Seal Type  
Manufacturer Revenue by Compressors Portability Type

### **CHAPTER 5 MARKET BREAKDOWN BY END USER**

### **CHAPTER 6 MARKET BREAKDOWN BY APPLICATION**

### **CHAPTER 7 MARKET BREAKDOWN BY REGION**

## North American Compressor Market

Impact of the Gas and Oil Industry on the North American Compressor Market

Impact of the Construction Industry on the Compressor Market in North America

Impact of the Manufacturing Industry on the Compressor Market in North America

Impact of Population Growth on the North American Compressor Market

Macroeconomics and Social Outlook for North American Development

North American Compressor Market Dynamics

Compressor Sales Channels in North America

Tariff Regulation of Compressors Sales in North American Markets

## Asia-Pacific Compressor Market

Impact of the Manufacturing Industry on the Compressor Market in the Asia-Pacific Region

Impact of the Gas and Oil Industry on the Asia-Pacific Compressor Market

Impact of the Energy Industry on the Compressor Market in the Asia-Pacific Region

Impact of the Construction Industry on the Compressor Market in the Asia-Pacific Region

Impact of Population Growth on the Compressor Market in the Asia-Pacific Region

Macroeconomics and Social Outlook on Asia-Pacific Development

Asia-Pacific Compressor Market Dynamics

Compressor Sales Channels in the Asia-Pacific Market

Tariff Regulation of Compressor Sales in Asia-Pacific Markets

## European Compressor Market

Impact of Population Growth on the Compressor Market in Europe

Impact of the Manufacturing Industry on the Compressor Market in Europe

Impact of the Oil and Gas Industry on the Compressor Market in Europe

Impact of the Construction Industry on the Compressor Market in Europe

Macroeconomics and Social Outlook on European Development

European Compressor Market Dynamics

Compressor Sales Channels in Europe

Tariff and Non-tariff Regulations on Compressor Sales in Europe

## African Compressor Market

Impact of Population Growth on the Compressor Market in Africa

Impact of the Gas and Oil Industry on the Compressor Market in Africa

Impact of the Energy Industry on the Compressor Market in Africa

Impact of the Manufacturing Industry on the Compressor Market in Africa

Impact of the Construction Industry on the Compressor Market in Africa

Macroeconomics and Social Outlook on Africa Development

African Compressor Market Dynamics

Channels of Compressor Sales in Africa

Tariff Regulation of Compressor Sales in Africa  
The Middle East Compressor Market  
Impact of Population Growth on the Compressor Market in the Middle East  
Impact of the Gas and Oil Industry on the Compressor Market in the Middle East  
Impact of the Manufacturing Industry on the Compressor Market in the Middle East  
Impact of the Construction Industry on the Compressor Market in the Middle East  
Macroeconomics and Social Outlook on Middle East Development  
Middle East Compressor Market Dynamics  
Compressor Sales Channels in the Middle East  
Tariff Regulation of Compressor Sales in the Middle East  
Latin American Compressor Market  
Impact of the Population Rise on the Compressor Market in Latin America  
Impact of the Manufacturing Industry on the Compressor Market in Latin America  
Impact of the Gas and Oil Industry on the Compressor Market in Latin America  
Impact of the Construction Industry on the Compressor Market in Latin America  
Impact of the Energy Industry on the Compressor Market in Latin America  
Macroeconomics and Social Outlook in Latin America  
Latin America Compressor Market Dynamics  
Channels of Compressor Sales on the Latin America Market  
Tariffs and Compressor Sales Impacts on the Latin America Market

## **CHAPTER 8 PATENT REVIEW/ NEW DEVELOPMENTS**

Modern Compressor Innovations  
Operating Improvements  
Energy Efficiency  
Digitalization  
Promising Technologies Not Yet Available  
Product/Component Level  
Package Level  
Compressor Patent Analysis  
Patent Review by Year  
Patent Review by Parent Patent Office  
Patented Compressor Invention Review

## **CHAPTER 9 MARKET OPPORTUNITIES**

Macroeconomic Outlook  
Key Drivers that Will Define Demand in the Midterm

Global Value-Added Chains Analysis: Who Earns More than Others?  
Strategies of Key Manufacturers  
Unique Sales Points of Major Players  
Compressor Consumer Preferences: Current State and Expected Developments  
Sales Channels and Their Future Development

## **CHAPTER 10 COMPANY PROFILES**

ATLAS COPCO  
BAKER HUGHES  
BAUER COMPRESSORS  
BELAIRE  
BOGE KOMPRESSOREN  
BURCKHARDT COMPRESSION AG  
CAMPBELL HAUSFELD  
CHICAGO PNEUMATIC  
COOK COMPRESSION  
DOOSAN PORTABLE POWER  
EBARA CORP.  
ELGI EQUIPMENT  
FRANK COMPRESSORS  
GARDNER DENVER  
GE OIL & GAS  
HITACHI INDUSTRIAL EQUIPMENT SYSTEMS  
HOKUETSU INDUSTRIES CO.  
HOWDEN GROUP  
INGERSOLL RAND  
KAESER KOMPRESSOREN  
KAISHAN  
KIRLOSKAR PNEUMATIC CO. LTD.  
KOBELCO COMPRESSORS  
MAN DIESEL & TURBO  
MANATEC ELECTRONICS  
MATTEI COMPRESSORS  
MITSUBISHI HEAVY INDUSTRIES COMPRESSOR CORP.  
PORTER-CABLE  
QUINCY COMPRESSOR  
SIEMENS  
SULLAIR (A HITACHI GROUP CO.)

SULZER AG  
VMAC GLOBAL TECHNOLOGY INC.  
WUXI COMPRESSOR

**CHAPTER 11 APPENDIX A: NATURAL GAS PIPELINE PROJECTS IN THE U.S.**

**CHAPTER 12 APPENDIX B: NATURAL GAS LIQUEFACTION PLANTS UNDER CONSTRUCTION IN THE ASIA-PACIFIC REGION**

**CHAPTER 13 APPENDIX C: REGASIFICATION TERMINALS UNDER CONSTRUCTION IN THE ASIA-PACIFIC REGION**

**CHAPTER 14 APPENDIX D: LNG TERMINALS UNDER CONSTRUCTION IN EUROPE**

**CHAPTER 15 APPENDIX E: GAS STORAGE FACILITIES UNDER CONSTRUCTION IN EUROPE**

**CHAPTER 16 APPENDIX F: ABBREVIATIONS, GLOSSARY & BIBLIOGRAPHY**

Bibliography



## List Of Tables

### LIST OF TABLES

Summary Table A: Global Market for Compressors, by Product Type, Through 2023

Summary Table B: Global Market for Dynamic Displacement Compressors, by Region, Through 2023

Summary Table C: Global Market for Positive Displacement Compressors, by Region, Through 2023

Summary Table D: Global Market for Compressors, by End Use, Through 2023

Summary Table E: Global Market for Compressors, by Application Industry, Through 2023

Table 1: Advantages and Disadvantages of Some Compressor Types

Table 2: Input Materials of Compressors Manufacturing

Table 3: Global Market for Compressors, by Product Type, Through 2023

Table 4: Global Market for Compressors, by Seal Type, Through 2023

Table 5: Global Market for Compressors, by Portability Type, Through 2023

Table 6: Global Market for Compressors, by End Use, Through 2023

Table 7: Global Market for Compressors, by Application, Through 2023

Table 8: Current Gas Industry Infrastructure and Potential Demand for Compressors Due to Retrofitting and Renovation, Through 2023

Table 9: Natural Gas Pipeline Capacity Additions, 2018-2023

Table 10: Key Macro Indicator Projections for North America, Through 2023

Table 11: North American Market for Compressors, by Product Type, Through 2023

Table 12: North American Market for Compressors, by Seal Type, Through 2023

Table 13: North American Market for Compressors, by Portability Type, Through 2023

Table 14: North American Market for Compressors, by End Use, Through 2023

Table 15: North American Market for Compressors, by Application, Through 2023

Table 16: Compressor Import Tariffs in North America

Table 17: Projected Source of Demand for Gas Compressors in the Asia-Pacific Region, Through 2023

Table 18: Key Macro Indicator Projection for the Asia-Pacific Region, Through 2023

Table 19: Asia-Pacific Market for Compressors, by Product Type, Through 2023

Table 20: Asia-Pacific Market for Compressors, by Seal Type, Through 2023

Table 21: Asia-Pacific Market for Compressors, by Portability Type, Through 2023

Table 22: Asia-Pacific Market for Compressors, by End Use, Through 2023

Table 23: Asia-Pacific Market for Compressors, by Application, Through 2023

Table 24: Tariffs for Compressors Imported into Major Asia-Pacific Countries

Table 25: Key Macro Indicators Projection for Europe, Through 2023

- Table 26: European Market for Compressors, by Product Type, Through 2023
- Table 27: European Market for Compressors, by Seal Type, Through 2023
- Table 28: European Market for Compressors, by Portability Type, Through 2023
- Table 29: European Market for Compressors, by End Use, Through 2023
- Table 30: European Market for Compressors, by Application, Through 2023
- Table 31: Legal Requirements for Compressors in the E.U. Market
- Table 32: Tariff Regulation of Compressor Imports into Major European Countries
- Table 33: Key Macro Indicator Projection for Africa, Through 2023
- Table 34: African Market for Compressors, by Product Type, Through 2023
- Table 35: African Market for Compressors, by Seal Type, Through 2023
- Table 36: African Market for Compressors, by Portability Type, Through 2023
- Table 37: African Market for Compressors, by End Use, Through 2023
- Table 38: African Market for Compressors, by Application, Through 2023
- Table 39: Tariff Regulation of Compressor Import into Major African Countries
- Table 40: Key Macro Indicators Projection for the Middle East, Through 2023
- Table 41: Middle Eastern Market for Compressors, by Product Type, Through 2023
- Table 42: Middle Eastern Market for Compressors, by Seal Type, Through 2023
- Table 43: Middle Eastern Market for Compressors, by Portability Type, Through 2023
- Table 44: Middle Eastern Market for Compressors, by End Use, Through 2023
- Table 45: Middle Eastern Market for Compressors, by Application, Through 2023
- Table 46: Tariff Regulation of Compressor Imports into Major Middle Eastern Countries
- Table 47: Key Macro Indicator Projections for Latin America, Through 2023
- Table 48: Latin American Market for Compressors, by Product Type, Through 2023
- Table 49: Latin American Market for Compressors, by Seal Type, Through 2023
- Table 50: Latin American Market for Compressors, by Portability Type, Through 2023
- Table 51: Latin American Market for Compressors, by End Use, Through 2023
- Table 52: Latin American Market for Compressors, by Application, Through 2023
- Table 53: Tariff Regulations on Compressor Imports into Major Latin American Countries
- Table 54: Review of Innovative Patented Inventions for Compressors, 2015-2017
- Table 55: Key Macro Indicators Forecast for Regional Markets, Through 2023
- Table 56: Natural Gas Pipeline Projects in the U.S.
- Table 57: Natural Gas Liquefaction Plants under Construction in the Asia-Pacific Region
- Table 58: Regasification Terminals Under Construction in the Asia-Pacific Region
- Table 59: LNG Terminals Under Construction in Europe
- Table 60: Gas Storage Facilities Under Construction in Europe
- Table 61: Abbreviations Used in this Report
- Table 62: Glossary of Terms Used in this Report

## List Of Figures

### LIST OF FIGURES

Summary Figure A: Global Market for Compressors, by Product Type, 2017-2023

Summary Figure B: Global Market for Dynamic Displacement Compressors, by Region, 2017-2023

Summary Figure C: Global Market for Positive Displacement Compressors, by Region, 2017-2023

Summary Figure D: Global Market for Compressors, by End Use, 2017-2023

Summary Figure E: Global Market for Compressors, by Application Industry, 2017-2023

Figure 1: Global World Gross Domestic Product, 2011-2017

Figure 2: Contributions to Change in Global GDP Growth, by Developed and Developing Economies, 2017

Figure 3: Simplified Compressors Classification

Figure 4: Volume Shares of Input Materials for Manufacturing Low Pressure, 16.5 kW Compressors

Figure 5: Sales Shares of Input Materials for Manufacturing Low Pressure 16.5 kW Compressors

Figure 6: Price Dynamics for Major Compressor Manufacturing Input Materials

Figure 7: Change in Average Price of Global Crude Oils, 2012-2018\*

Figure 8: North American GDP, 2004–2017

Figure 9: Natural Gas Production in the United States, 2004–2017

Figure 10: Natural Gas Consumption of the United States, 2004-2017

Figure 11: Construction Spending in the United States, 2010-2017

Figure 12: Shares of Construction Spending in the United States, by Sector, 2010-2017

Figure 13: North American Manufacturing Market Growth, 2000-2017

Figure 14: Population Growth in North America, 2000-2017

Figure 15: North American Compressor Manufacturer Market Shares,

Figure 16: North American Compressor Distributor/Dealer Market Shares

Figure 17: Asia-Pacific GDP, 2007-2017

Figure 18: Value Add of the Manufacturing Sector in the Asia-Pacific, Constant Prices (2010), 2004-2017

Figure 19: Natural Gas Consumption in the Asia-Pacific Region, 2005-2017

Figure 20: Projection of Natural Gas Consumption, by Country/Region, 2018-2023

Figure 21: Natural Gas Consumption in China, 2010-2017

Figure 22: Total Electricity Generation in the Asia-Pacific Region, 2004-2017

Figure 23: Construction Output in the Asia-Pacific Region, 2010-2017

Figure 24: Population in the Asia-Pacific Region, 2004-2017

- Figure 25: Asia-Pacific Compressor Manufacturer Market Shares
- Figure 26: Asia-Pacific Compressor Distributor/Dealer Market Shares
- Figure 27: GDP in the E.U., 2004-2017
- Figure 28: GDP in Russia, 2004-2017
- Figure 29: Population Growth in Europe, 2004-2017
- Figure 30: Changes in Manufacturing Output in the E.U., 2005-2017
- Figure 31: Shares of Manufacturing Output in the E.U., by Major Industries, 2005-2017
- Figure 32: Changes in Manufacturing Output in Russia, 2004-2017
- Figure 33: Natural Gas Consumption in the E.U., 2004-2017
- Figure 34: Natural Gas Production in the Russian Federation, 2004-2017
- Figure 35: Regasification Capacity of Large-Scale Terminals in Europe, 2017-2023
- Figure 36: Storage Capacity of Large-Scale Terminals in Europe, 2017-2023
- Figure 37: Construction Output in the E.U., 2004-2017
- Figure 38: Construction Output in the Russian Federation, 2004-2017
- Figure 39: European Compressor Manufacturer Market Shares
- Figure 40: European Compressor Distributor/Dealer Market Shares
- Figure 41: GDP in Africa, 2004-2017
- Figure 42: Population in Africa, 2004-2017
- Figure 43: Urban Population in Africa, 2004-2017
- Figure 44: Gas Production in Africa, 2004-2017
- Figure 45: Electricity Generation from Natural Gas in Africa, 2004-2017
- Figure 46: Oil and Gas Expenditures in Africa, 2012-2023
- Figure 47: Total Electricity Generation in Africa, 2004-2017
- Figure 48: Manufacturing in Africa, Value Added, Constant Prices (2010), 2004-2017
- Figure 49: Construction Output in Africa, 2013-2017
- Figure 50: Construction Output in Africa, by Sector, 2017
- Figure 51: African Compressor Manufacturer Market Shares
- Figure 52: African Compressor Distributor/Dealer Market Shares
- Figure 53: GDP Dynamics in the Middle East, 2004-2017
- Figure 54: Population Dynamics in the Middle East, 2004-2017
- Figure 55: Gas Production in the Middle East, 2004-2017
- Figure 56: Electricity Generation from Natural Gas in the Middle East, 2004-2017
- Figure 57: Total Electricity Generation in the Middle East, 2004-2017
- Figure 58: Manufacturing in the Middle East, Value Added, Constant Prices (2010), 2004-2017
- Figure 59: Urban Population in the Middle East, 2004-2017
- Figure 60: Gulf Cooperation Council Projects Contract Awards, 2005-2017
- Figure 61: Middle Eastern Compressor Manufacturer Market Shares
- Figure 62: Middle Eastern Compressor Distributor/Dealer Market Shares

Figure 63: GDP Dynamics in Latin America, 2004-2017

Figure 64: Population in Latin America, 2004-2017

Figure 65: Manufacturing in Latin America, Value Added, Constant Prices (2010), 2004-2017

Figure 66: Gas Production in Latin America, 2004-2017

Figure 67: Electricity Generation from Natural Gas in Latin America, 2004-2017

Figure 68: Natural Gas Production Capacity of Mexico, 2010-2017

Figure 69: Construction Index in the Major Economies of Latin America, 2004-2017

Figure 70: Total Electricity Generation in Latin America, 2004-2017

Figure 71: Latin American Compressor Manufacturer Market Shares

Figure 72: Latin America Compressor Distributor/Dealer Market Shares

Figure 73: Comparison of the Total Cost Breakdown of Ingersoll Rand's Next Generation R-Series Compressors

Figure 74: Dynamics of Patents Numbers Granted to Atlas Copco Related to Compressor Inventions, 2000-2017

Figure 75: Global Patents Related to Compressor Inventions, 2000-2017

Figure 76: Shares of Patents Granted for Compressor-Related Innovations, by Parent Patent Office, 2017

Figure 77: Value Added Chain in the Global Compressor MarketC

Figure 78: Consumer Buying Preferences for Compressors

Figure 79: Distribution of Consumer Preferences in Buying Compressors, 2025

Figure 80: Distribution of Compressor Manufacturer Sales in Domestic Markets, by Sales Channel

Figure 81: Distribution of Distributor/Dealer Sales in Domestic Markets, by Sales Channel

Figure 82: Distribution of Compressor Manufacturer Sales in the Export Markets, by Sales Channel

## I would like to order

Product name: Compressors: Technologies and Global Markets to 2023

Product link: <https://marketpublishers.com/r/CBD083A31943EN.html>

Price: US\$ 1,375.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CBD083A31943EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970