

Global Transcritical CO2 System Market Size study, By Function (Refrigeration, Heating, Air Conditioning), By Application (Supermarkets and Convenience Store, Heat Pumps, Food Processing and Storage Facilities, Ice Skating Rinks, Other), and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G7D885A95494EN.html>

Date: September 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G7D885A95494EN

Abstracts

Global Transcritical CO2 System Market is valued approximately USD 44576.95 million in 2021 and is anticipated to grow with a healthy growth rate of more than 17.9 % over the forecast period 2022-2028. The Transcritical CO2 System is also called as TC CO2 system. Used in different sectors for different purposes like refrigeration for food and beverages cooling, in the transportation sector for air conditioning in buses and train, in offices for water chillers and several other industrial and domestic applications. Transcritical CO2 is safe and environmentally sustainable due to its ability and features of non-flammable, nontoxic and low critical temperature (31.1 Celsius). TC CO2 system is eco-friendly in nature and causes minimal ozone depletion, negligible global warming potential and a low leakage rate. The increasing demand for HVAC solutions for domestic and industrial purposes, and refrigerators in food production industry are key factors driving the market growth. For instance, according to Statista – in 2019, the global HVAC market was valued at USD 240.8 billion, and the global heating, ventilation, and air conditioning (HVAC) market is projected to reach USD 367.5 billion by 2030. Also, increasing phasing out of Old CFC, HCFC, and HFC Refrigerants and rising concern over global warming are key factors accelerating the market growth. However, the high installation cost and initial capital investment impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Transcritical CO2 System Market study

include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Europe is the leading region across the world in terms of market share due to the rising adoption of the Transcritical CO₂ System and increasing demand for CO₂ condensing units in different sectors. Whereas North America is the fastest growing region due to rising concern over environmental impacts from the leakage of refrigerants as well as favourable initiatives from government authorities to reduce carbon footprint in the region.

Major market players included in this report are:

Advansor
Teko GmbH
Carrier Commercial Refrigeration
Hillphoenix, Inc.
Danfoss
Bitzer
Carnot Refrigeration
SCM Frigo S.P.A.
Emerson Climate Technologies
Panasonic Corporation

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Function
Refrigeration
Heating
Air Conditioning
By Application
Supermarkets and Convenience Store

Heat Pumps
Food Processing and Storage Facilities
Ice Skating Rinks
Other (Hotels, Buildings, and Water Treatment Plants)
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Transcritical CO2 System Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
 - 1.2.1. Global Transcritical CO2 System Market, by Region, 2020-2028 (USD Million)
 - 1.2.2. Global Transcritical CO2 System Market, by Function, 2020-2028 (USD Million)
 - 1.2.3. Global Transcritical CO2 System Market, by Application, 2020-2028 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET DYNAMICS

- 3.1. Transcritical CO2 System Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing demand for HVAC solutions.
 - 3.1.1.2. Low energy consumption and eco-friendly performance
 - 3.1.2. Market Challenges
 - 3.1.2.1. High installation cost that not any one can afford
 - 3.1.2.2. Flammability and toxicity problems
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing phasing out of Out CFC, HCFC, and HFC Refrigerants.
 - 3.1.3.2. Rising concern over global warming.

CHAPTER 4. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

CHAPTER 6. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET, BY FUNCTION

- 6.1. Market Snapshot
- 6.2. Global Transcritical CO2 System Market by Function, Performance - Potential Analysis
- 6.3. Global Transcritical CO2 System Market Estimates & Forecasts by Function 2018-2028 (USD Million)
- 6.4. Transcritical CO2 System Market, Sub Segment Analysis
 - 6.4.1. Refrigeration
 - 6.4.2. Heating
 - 6.4.3. Air Conditioning

CHAPTER 7. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET, BY APPLICATION

- 7.1. Market Snapshot

7.2. Global Transcritical CO2 System Market by Application, Performance - Potential Analysis

7.3. Global Transcritical CO2 System Market Estimates & Forecasts by Application 2018-2028 (USD Million)

7.4. Transcritical CO2 System Market, Sub Segment Analysis

7.4.1. Supermarkets and Convenience Stores

7.4.2. Heat Pumps

7.4.3. Food Processing & Storage Facilities

7.4.4. Ice Skating Rinks

7.4.5. Others (Hotels, Buildings, and Water Treatment Plants)

CHAPTER 8. GLOBAL TRANSCRITICAL CO2 SYSTEM MARKET, REGIONAL ANALYSIS

8.1. Transcritical CO2 System Market, Regional Market Snapshot

8.2. North America Transcritical CO2 System Market

8.2.1. U.S. Transcritical CO2 System Market

8.2.1.1. Function estimates & forecasts, 2018-2028

8.2.1.2. Application estimates & forecasts, 2018-2028

8.2.2. Canada Transcritical CO2 System Market

8.3. Europe Transcritical CO2 System Market Snapshot

8.3.1. U.K. Transcritical CO2 System Market

8.3.2. Germany Transcritical CO2 System Market

8.3.3. France Transcritical CO2 System Market

8.3.4. Spain Transcritical CO2 System Market

8.3.5. Italy Transcritical CO2 System Market

8.3.6. Rest of Europe Transcritical CO2 System Market

8.4. Asia-Pacific Transcritical CO2 System Market Snapshot

8.4.1. China Transcritical CO2 System Market

8.4.2. India Transcritical CO2 System Market

8.4.3. Japan Transcritical CO2 System Market

8.4.4. Australia Transcritical CO2 System Market

8.4.5. South Korea Transcritical CO2 System Market

8.4.6. Rest of Asia Pacific Transcritical CO2 System Market

8.5. Latin America Transcritical CO2 System Market Snapshot

8.5.1. Brazil Transcritical CO2 System Market

8.5.2. Mexico Transcritical CO2 System Market

8.6. Rest of The World Transcritical CO2 System Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. Advansor
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. Teko GmbH
 - 9.2.3. Carrier Commercial Refrigeration
 - 9.2.4. Hillphoenix, Inc.
 - 9.2.5. Danfoss
 - 9.2.6. Bitzer
 - 9.2.7. Carnot Refrigeration
 - 9.2.8. SCM Frigo S.P.A.
 - 9.2.9. Emerson Climate Technologies
 - 9.2.10. Panasonic Corporation

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Transcritical CO2 System Market, report scope
- TABLE 2. Global Transcritical CO2 System Market estimates & forecasts by Region 2018-2028 (USD Million)
- TABLE 3. Global Transcritical CO2 System Market estimates & forecasts by Function 2018-2028 (USD Million)
- TABLE 4. Global Transcritical CO2 System Market estimates & forecasts by Application 2018-2028 (USD Million)
- TABLE 5. Global Transcritical CO2 System Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 6. Global Transcritical CO2 System Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 7. Global Transcritical CO2 System Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 8. Global Transcritical CO2 System Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 9. Global Transcritical CO2 System Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 10. Global Transcritical CO2 System Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 11. Global Transcritical CO2 System Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 12. Global Transcritical CO2 System Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 13. Global Transcritical CO2 System Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 14. Global Transcritical CO2 System Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 15. U.S. Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)
- TABLE 16. U.S. Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)
- TABLE 17. U.S. Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)
- TABLE 18. Canada Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 19. Canada Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 20. Canada Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 21. UK Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 22. UK Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 23. UK Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 24. Germany Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 25. Germany Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 26. Germany Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 27. RoE Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 28. RoE Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 29. RoE Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 30. China Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 31. China Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 32. China Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 33. India Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 34. India Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 35. India Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 36. Japan Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 37. Japan Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 38. Japan Transcritical CO2 System Market estimates & forecasts by segment

2018-2028 (USD Million)

TABLE 39. RoAPAC Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 40. RoAPAC Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 41. RoAPAC Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 42. Brazil Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 43. Brazil Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 44. Brazil Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 45. Mexico Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 46. Mexico Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 47. Mexico Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 48. RoLA Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 49. RoLA Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 50. RoLA Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 51. Row Transcritical CO2 System Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 52. Row Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 53. Row Transcritical CO2 System Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 54. List of secondary sources, used in the study of global Transcritical CO2 System Market

TABLE 55. List of primary sources, used in the study of global Transcritical CO2 System Market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Transcritical CO2 System Market, research methodology
- FIG 2. Global Transcritical CO2 System Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Transcritical CO2 System Market, key trends 2021
- FIG 5. Global Transcritical CO2 System Market, growth prospects 2022-2028
- FIG 6. Global Transcritical CO2 System Market, porters 5 force model
- FIG 7. Global Transcritical CO2 System Market, pest analysis
- FIG 8. Global Transcritical CO2 System Market, value chain analysis
- FIG 9. Global Transcritical CO2 System Market by segment, 2018 & 2028 (USD Million)
- FIG 10. Global Transcritical CO2 System Market by segment, 2018 & 2028 (USD Million)
- FIG 11. Global Transcritical CO2 System Market by segment, 2018 & 2028 (USD Million)
- FIG 12. Global Transcritical CO2 System Market by segment, 2018 & 2028 (USD Million)
- FIG 13. Global Transcritical CO2 System Market by segment, 2018 & 2028 (USD Million)
- FIG 14. Global Transcritical CO2 System Market, regional snapshot 2018 & 2028
- FIG 15. North America Transcritical CO2 System Market 2018 & 2028 (USD Million)
- FIG 16. Europe Transcritical CO2 System Market 2018 & 2028 (USD Million)
- FIG 17. Asia pacific market 2018 & 2028 (USD Million)
- FIG 18. Latin America Transcritical CO2 System Market 2018 & 2028 (USD Million)
- FIG 19. Global Transcritical CO2 System Market, company market share analysis (2021)

I would like to order

Product name: Global Transcritical CO2 System Market Size study, By Function (Refrigeration, Heating, Air Conditioning), By Application (Supermarkets and Convenience Store, Heat Pumps, Food Processing and Storage Facilities, Ice Skating Rinks, Other), and Regional Forecasts 2022-2028

Product link: <https://marketpublishers.com/r/G7D885A95494EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7D885A95494EN.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