

Global Passive Direct Air Capture Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Passive Direct Air Capture market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Passive Direct Air Capture (PDAC) refers to a method of capturing carbon dioxide (CO₂) from the atmosphere without relying on active mechanical systems, such as fans or pumps. Unlike traditional Direct Air Capture (DAC), which often involves the use of energy-intensive technologies, passive approaches aim to achieve carbon capture through natural or low-energy processes.

The Global Info Research report includes an overview of the development of the Passive Direct Air Capture industry chain, the market status of Food and Beverage (Physical Absorption, Solid Adsorption), Greenhouse (Physical Absorption, Solid Adsorption), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Passive Direct Air Capture.

Regionally, the report analyzes the Passive Direct Air Capture markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Passive Direct Air Capture market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Passive Direct Air Capture market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Passive Direct Air Capture industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Physical Absorption, Solid Adsorption).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Passive Direct Air Capture market.

Regional Analysis: The report involves examining the Passive Direct Air Capture market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Passive Direct Air Capture market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Passive Direct Air Capture:

Company Analysis: Report covers individual Passive Direct Air Capture manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Passive Direct Air Capture This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Food and Beverage, Greenhouse).

Technology Analysis: Report covers specific technologies relevant to Passive Direct Air

Capture. It assesses the current state, advancements, and potential future developments in Passive Direct Air Capture areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Passive Direct Air Capture market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Passive Direct Air Capture market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

- Physical Absorption

- Solid Adsorption

Market segment by Application

- Food and Beverage

- Greenhouse

- Energy, Fuel, etc.

Major players covered

- Carbon Collect

- Climeworks

Carbon Infinity

Carbon Engineering

Global Thermostat

CarbonCapture Inc

Heirloom Carbon

Noya

Sustaera

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 Passive Direct Air Capture product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Passive Direct Air Capture, with price, sales, revenue and global market share of Passive Direct Air Capture from 2019 to 2024.

Chapter 3, the Passive Direct Air Capture competitive situation, sales quantity, revenue

and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Passive Direct Air Capture breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Passive Direct Air Capture market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Passive Direct Air Capture.

Chapter 14 and 15, to describe Passive Direct Air Capture sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Passive Direct Air Capture

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Passive Direct Air Capture Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Physical Absorption

1.3.3 Solid Adsorption

1.4 Market Analysis by Application

1.4.1 Overview: Global Passive Direct Air Capture Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Food and Beverage

1.4.3 Greenhouse

1.4.4 Energy, Fuel, etc.

1.5 Global Passive Direct Air Capture Market Size & Forecast

1.5.1 Global Passive Direct Air Capture Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Passive Direct Air Capture Sales Quantity (2019-2030)

1.5.3 Global Passive Direct Air Capture Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Carbon Collect

2.1.1 Carbon Collect Details

2.1.2 Carbon Collect Major Business

2.1.3 Carbon Collect Passive Direct Air Capture Product and Services

2.1.4 Carbon Collect Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Carbon Collect Recent Developments/Updates

2.2 Climeworks

2.2.1 Climeworks Details

2.2.2 Climeworks Major Business

2.2.3 Climeworks Passive Direct Air Capture Product and Services

2.2.4 Climeworks Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Climeworks Recent Developments/Updates

2.3 Carbon Infinity

- 2.3.1 Carbon Infinity Details
- 2.3.2 Carbon Infinity Major Business
- 2.3.3 Carbon Infinity Passive Direct Air Capture Product and Services
- 2.3.4 Carbon Infinity Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.3.5 Carbon Infinity Recent Developments/Updates
- 2.4 Carbon Engineering
 - 2.4.1 Carbon Engineering Details
 - 2.4.2 Carbon Engineering Major Business
 - 2.4.3 Carbon Engineering Passive Direct Air Capture Product and Services
 - 2.4.4 Carbon Engineering Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 Carbon Engineering Recent Developments/Updates
- 2.5 Global Thermostat
 - 2.5.1 Global Thermostat Details
 - 2.5.2 Global Thermostat Major Business
 - 2.5.3 Global Thermostat Passive Direct Air Capture Product and Services
 - 2.5.4 Global Thermostat Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Global Thermostat Recent Developments/Updates
- 2.6 CarbonCapture Inc
 - 2.6.1 CarbonCapture Inc Details
 - 2.6.2 CarbonCapture Inc Major Business
 - 2.6.3 CarbonCapture Inc Passive Direct Air Capture Product and Services
 - 2.6.4 CarbonCapture Inc Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 CarbonCapture Inc Recent Developments/Updates
- 2.7 Heirloom Carbon
 - 2.7.1 Heirloom Carbon Details
 - 2.7.2 Heirloom Carbon Major Business
 - 2.7.3 Heirloom Carbon Passive Direct Air Capture Product and Services
 - 2.7.4 Heirloom Carbon Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Heirloom Carbon Recent Developments/Updates
- 2.8 Noya
 - 2.8.1 Noya Details
 - 2.8.2 Noya Major Business
 - 2.8.3 Noya Passive Direct Air Capture Product and Services
 - 2.8.4 Noya Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.8.5 Noya Recent Developments/Updates

2.9 Sustaera

2.9.1 Sustaera Details

2.9.2 Sustaera Major Business

2.9.3 Sustaera Passive Direct Air Capture Product and Services

2.9.4 Sustaera Passive Direct Air Capture Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Sustaera Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PASSIVE DIRECT AIR CAPTURE BY MANUFACTURER

3.1 Global Passive Direct Air Capture Sales Quantity by Manufacturer (2019-2024)

3.2 Global Passive Direct Air Capture Revenue by Manufacturer (2019-2024)

3.3 Global Passive Direct Air Capture Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Passive Direct Air Capture by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Passive Direct Air Capture Manufacturer Market Share in 2023

3.4.2 Top 6 Passive Direct Air Capture Manufacturer Market Share in 2023

3.5 Passive Direct Air Capture Market: Overall Company Footprint Analysis

3.5.1 Passive Direct Air Capture Market: Region Footprint

3.5.2 Passive Direct Air Capture Market: Company Product Type Footprint

3.5.3 Passive Direct Air Capture Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Passive Direct Air Capture Market Size by Region

4.1.1 Global Passive Direct Air Capture Sales Quantity by Region (2019-2030)

4.1.2 Global Passive Direct Air Capture Consumption Value by Region (2019-2030)

4.1.3 Global Passive Direct Air Capture Average Price by Region (2019-2030)

4.2 North America Passive Direct Air Capture Consumption Value (2019-2030)

4.3 Europe Passive Direct Air Capture Consumption Value (2019-2030)

4.4 Asia-Pacific Passive Direct Air Capture Consumption Value (2019-2030)

4.5 South America Passive Direct Air Capture Consumption Value (2019-2030)

4.6 Middle East and Africa Passive Direct Air Capture Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 5.2 Global Passive Direct Air Capture Consumption Value by Type (2019-2030)
- 5.3 Global Passive Direct Air Capture Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 6.2 Global Passive Direct Air Capture Consumption Value by Application (2019-2030)
- 6.3 Global Passive Direct Air Capture Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 7.2 North America Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 7.3 North America Passive Direct Air Capture Market Size by Country
 - 7.3.1 North America Passive Direct Air Capture Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Passive Direct Air Capture Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 8.2 Europe Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 8.3 Europe Passive Direct Air Capture Market Size by Country
 - 8.3.1 Europe Passive Direct Air Capture Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Passive Direct Air Capture Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Passive Direct Air Capture Market Size by Region
 - 9.3.1 Asia-Pacific Passive Direct Air Capture Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Passive Direct Air Capture Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 10.2 South America Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 10.3 South America Passive Direct Air Capture Market Size by Country
 - 10.3.1 South America Passive Direct Air Capture Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Passive Direct Air Capture Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Passive Direct Air Capture Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Passive Direct Air Capture Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Passive Direct Air Capture Market Size by Country
 - 11.3.1 Middle East & Africa Passive Direct Air Capture Sales Quantity by Country (2019-2030)
 - 11.3.2 Middle East & Africa Passive Direct Air Capture Consumption Value by Country

(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Passive Direct Air Capture Market Drivers

12.2 Passive Direct Air Capture Market Restraints

12.3 Passive Direct Air Capture Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Passive Direct Air Capture and Key Manufacturers

13.2 Manufacturing Costs Percentage of Passive Direct Air Capture

13.3 Passive Direct Air Capture Production Process

13.4 Passive Direct Air Capture Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Passive Direct Air Capture Typical Distributors

14.3 Passive Direct Air Capture Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Passive Direct Air Capture Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Passive Direct Air Capture Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Table 3. Carbon Collect Basic Information, Manufacturing Base and Competitors
- Table 4. Carbon Collect Major Business
- Table 5. Carbon Collect Passive Direct Air Capture Product and Services
- Table 6. Carbon Collect Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 7. Carbon Collect Recent Developments/Updates
- Table 8. Climeworks Basic Information, Manufacturing Base and Competitors
- Table 9. Climeworks Major Business
- Table 10. Climeworks Passive Direct Air Capture Product and Services
- Table 11. Climeworks Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 12. Climeworks Recent Developments/Updates
- Table 13. Carbon Infinity Basic Information, Manufacturing Base and Competitors
- Table 14. Carbon Infinity Major Business
- Table 15. Carbon Infinity Passive Direct Air Capture Product and Services
- Table 16. Carbon Infinity Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 17. Carbon Infinity Recent Developments/Updates
- Table 18. Carbon Engineering Basic Information, Manufacturing Base and Competitors
- Table 19. Carbon Engineering Major Business
- Table 20. Carbon Engineering Passive Direct Air Capture Product and Services
- Table 21. Carbon Engineering Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 22. Carbon Engineering Recent Developments/Updates
- Table 23. Global Thermostat Basic Information, Manufacturing Base and Competitors
- Table 24. Global Thermostat Major Business
- Table 25. Global Thermostat Passive Direct Air Capture Product and Services
- Table 26. Global Thermostat Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

- Table 27. Global Thermostat Recent Developments/Updates
- Table 28. CarbonCapture Inc Basic Information, Manufacturing Base and Competitors
- Table 29. CarbonCapture Inc Major Business
- Table 30. CarbonCapture Inc Passive Direct Air Capture Product and Services
- Table 31. CarbonCapture Inc Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. CarbonCapture Inc Recent Developments/Updates
- Table 33. Heirloom Carbon Basic Information, Manufacturing Base and Competitors
- Table 34. Heirloom Carbon Major Business
- Table 35. Heirloom Carbon Passive Direct Air Capture Product and Services
- Table 36. Heirloom Carbon Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Heirloom Carbon Recent Developments/Updates
- Table 38. Noya Basic Information, Manufacturing Base and Competitors
- Table 39. Noya Major Business
- Table 40. Noya Passive Direct Air Capture Product and Services
- Table 41. Noya Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Noya Recent Developments/Updates
- Table 43. Sustaera Basic Information, Manufacturing Base and Competitors
- Table 44. Sustaera Major Business
- Table 45. Sustaera Passive Direct Air Capture Product and Services
- Table 46. Sustaera Passive Direct Air Capture Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Sustaera Recent Developments/Updates
- Table 48. Global Passive Direct Air Capture Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 49. Global Passive Direct Air Capture Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 50. Global Passive Direct Air Capture Average Price by Manufacturer (2019-2024) & (US\$/Unit)
- Table 51. Market Position of Manufacturers in Passive Direct Air Capture, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 52. Head Office and Passive Direct Air Capture Production Site of Key Manufacturer
- Table 53. Passive Direct Air Capture Market: Company Product Type Footprint
- Table 54. Passive Direct Air Capture Market: Company Product Application Footprint

Table 55. Passive Direct Air Capture New Market Entrants and Barriers to Market Entry

Table 56. Passive Direct Air Capture Mergers, Acquisition, Agreements, and Collaborations

Table 57. Global Passive Direct Air Capture Sales Quantity by Region (2019-2024) & (K Units)

Table 58. Global Passive Direct Air Capture Sales Quantity by Region (2025-2030) & (K Units)

Table 59. Global Passive Direct Air Capture Consumption Value by Region (2019-2024) & (USD Million)

Table 60. Global Passive Direct Air Capture Consumption Value by Region (2025-2030) & (USD Million)

Table 61. Global Passive Direct Air Capture Average Price by Region (2019-2024) & (US\$/Unit)

Table 62. Global Passive Direct Air Capture Average Price by Region (2025-2030) & (US\$/Unit)

Table 63. Global Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 64. Global Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 65. Global Passive Direct Air Capture Consumption Value by Type (2019-2024) & (USD Million)

Table 66. Global Passive Direct Air Capture Consumption Value by Type (2025-2030) & (USD Million)

Table 67. Global Passive Direct Air Capture Average Price by Type (2019-2024) & (US\$/Unit)

Table 68. Global Passive Direct Air Capture Average Price by Type (2025-2030) & (US\$/Unit)

Table 69. Global Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 70. Global Passive Direct Air Capture Sales Quantity by Application (2025-2030) & (K Units)

Table 71. Global Passive Direct Air Capture Consumption Value by Application (2019-2024) & (USD Million)

Table 72. Global Passive Direct Air Capture Consumption Value by Application (2025-2030) & (USD Million)

Table 73. Global Passive Direct Air Capture Average Price by Application (2019-2024) & (US\$/Unit)

Table 74. Global Passive Direct Air Capture Average Price by Application (2025-2030) & (US\$/Unit)

Table 75. North America Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 76. North America Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 77. North America Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 78. North America Passive Direct Air Capture Sales Quantity by Application (2025-2030) & (K Units)

Table 79. North America Passive Direct Air Capture Sales Quantity by Country (2019-2024) & (K Units)

Table 80. North America Passive Direct Air Capture Sales Quantity by Country (2025-2030) & (K Units)

Table 81. North America Passive Direct Air Capture Consumption Value by Country (2019-2024) & (USD Million)

Table 82. North America Passive Direct Air Capture Consumption Value by Country (2025-2030) & (USD Million)

Table 83. Europe Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 84. Europe Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 85. Europe Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 86. Europe Passive Direct Air Capture Sales Quantity by Application (2025-2030) & (K Units)

Table 87. Europe Passive Direct Air Capture Sales Quantity by Country (2019-2024) & (K Units)

Table 88. Europe Passive Direct Air Capture Sales Quantity by Country (2025-2030) & (K Units)

Table 89. Europe Passive Direct Air Capture Consumption Value by Country (2019-2024) & (USD Million)

Table 90. Europe Passive Direct Air Capture Consumption Value by Country (2025-2030) & (USD Million)

Table 91. Asia-Pacific Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 92. Asia-Pacific Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 93. Asia-Pacific Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 94. Asia-Pacific Passive Direct Air Capture Sales Quantity by Application

(2025-2030) & (K Units)

Table 95. Asia-Pacific Passive Direct Air Capture Sales Quantity by Region (2019-2024) & (K Units)

Table 96. Asia-Pacific Passive Direct Air Capture Sales Quantity by Region (2025-2030) & (K Units)

Table 97. Asia-Pacific Passive Direct Air Capture Consumption Value by Region (2019-2024) & (USD Million)

Table 98. Asia-Pacific Passive Direct Air Capture Consumption Value by Region (2025-2030) & (USD Million)

Table 99. South America Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 100. South America Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 101. South America Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 102. South America Passive Direct Air Capture Sales Quantity by Application (2025-2030) & (K Units)

Table 103. South America Passive Direct Air Capture Sales Quantity by Country (2019-2024) & (K Units)

Table 104. South America Passive Direct Air Capture Sales Quantity by Country (2025-2030) & (K Units)

Table 105. South America Passive Direct Air Capture Consumption Value by Country (2019-2024) & (USD Million)

Table 106. South America Passive Direct Air Capture Consumption Value by Country (2025-2030) & (USD Million)

Table 107. Middle East & Africa Passive Direct Air Capture Sales Quantity by Type (2019-2024) & (K Units)

Table 108. Middle East & Africa Passive Direct Air Capture Sales Quantity by Type (2025-2030) & (K Units)

Table 109. Middle East & Africa Passive Direct Air Capture Sales Quantity by Application (2019-2024) & (K Units)

Table 110. Middle East & Africa Passive Direct Air Capture Sales Quantity by Application (2025-2030) & (K Units)

Table 111. Middle East & Africa Passive Direct Air Capture Sales Quantity by Region (2019-2024) & (K Units)

Table 112. Middle East & Africa Passive Direct Air Capture Sales Quantity by Region (2025-2030) & (K Units)

Table 113. Middle East & Africa Passive Direct Air Capture Consumption Value by Region (2019-2024) & (USD Million)

Table 114. Middle East & Africa Passive Direct Air Capture Consumption Value by Region (2025-2030) & (USD Million)

Table 115. Passive Direct Air Capture Raw Material

Table 116. Key Manufacturers of Passive Direct Air Capture Raw Materials

Table 117. Passive Direct Air Capture Typical Distributors

Table 118. Passive Direct Air Capture Typical Customers

LIST OF FIGURE

s

Figure 1. Passive Direct Air Capture Picture

Figure 2. Global Passive Direct Air Capture Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Passive Direct Air Capture Consumption Value Market Share by Type in 2023

Figure 4. Physical Absorption Examples

Figure 5. Solid Adsorption Examples

Figure 6. Global Passive Direct Air Capture Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Passive Direct Air Capture Consumption Value Market Share by Application in 2023

Figure 8. Food and Beverage Examples

Figure 9. Greenhouse Examples

Figure 10. Energy, Fuel, etc. Examples

Figure 11. Global Passive Direct Air Capture Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 12. Global Passive Direct Air Capture Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 13. Global Passive Direct Air Capture Sales Quantity (2019-2030) & (K Units)

Figure 14. Global Passive Direct Air Capture Average Price (2019-2030) & (US\$/Unit)

Figure 15. Global Passive Direct Air Capture Sales Quantity Market Share by Manufacturer in 2023

Figure 16. Global Passive Direct Air Capture Consumption Value Market Share by Manufacturer in 2023

Figure 17. Producer Shipments of Passive Direct Air Capture by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 18. Top 3 Passive Direct Air Capture Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Top 6 Passive Direct Air Capture Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Global Passive Direct Air Capture Sales Quantity Market Share by Region (2019-2030)

Figure 21. Global Passive Direct Air Capture Consumption Value Market Share by Region (2019-2030)

Figure 22. North America Passive Direct Air Capture Consumption Value (2019-2030) & (USD Million)

Figure 23. Europe Passive Direct Air Capture Consumption Value (2019-2030) & (USD Million)

Figure 24. Asia-Pacific Passive Direct Air Capture Consumption Value (2019-2030) & (USD Million)

Figure 25. South America Passive Direct Air Capture Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East & Africa Passive Direct Air Capture Consumption Value (2019-2030) & (USD Million)

Figure 27. Global Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 28. Global Passive Direct Air Capture Consumption Value Market Share by Type (2019-2030)

Figure 29. Global Passive Direct Air Capture Average Price by Type (2019-2030) & (US\$/Unit)

Figure 30. Global Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 31. Global Passive Direct Air Capture Consumption Value Market Share by Application (2019-2030)

Figure 32. Global Passive Direct Air Capture Average Price by Application (2019-2030) & (US\$/Unit)

Figure 33. North America Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 34. North America Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 35. North America Passive Direct Air Capture Sales Quantity Market Share by Country (2019-2030)

Figure 36. North America Passive Direct Air Capture Consumption Value Market Share by Country (2019-2030)

Figure 37. United States Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 38. Canada Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Mexico Passive Direct Air Capture Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 40. Europe Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 41. Europe Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 42. Europe Passive Direct Air Capture Sales Quantity Market Share by Country (2019-2030)

Figure 43. Europe Passive Direct Air Capture Consumption Value Market Share by Country (2019-2030)

Figure 44. Germany Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. France Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. United Kingdom Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Russia Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Italy Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Asia-Pacific Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 50. Asia-Pacific Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 51. Asia-Pacific Passive Direct Air Capture Sales Quantity Market Share by Region (2019-2030)

Figure 52. Asia-Pacific Passive Direct Air Capture Consumption Value Market Share by Region (2019-2030)

Figure 53. China Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Japan Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Korea Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. India Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Southeast Asia Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Australia Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. South America Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 60. South America Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 61. South America Passive Direct Air Capture Sales Quantity Market Share by Country (2019-2030)

Figure 62. South America Passive Direct Air Capture Consumption Value Market Share by Country (2019-2030)

Figure 63. Brazil Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Argentina Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Middle East & Africa Passive Direct Air Capture Sales Quantity Market Share by Type (2019-2030)

Figure 66. Middle East & Africa Passive Direct Air Capture Sales Quantity Market Share by Application (2019-2030)

Figure 67. Middle East & Africa Passive Direct Air Capture Sales Quantity Market Share by Region (2019-2030)

Figure 68. Middle East & Africa Passive Direct Air Capture Consumption Value Market Share by Region (2019-2030)

Figure 69. Turkey Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Egypt Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. Saudi Arabia Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. South Africa Passive Direct Air Capture Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Passive Direct Air Capture Market Drivers

Figure 74. Passive Direct Air Capture Market Restraints

Figure 75. Passive Direct Air Capture Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Passive Direct Air Capture in 2023

Figure 78. Manufacturing Process Analysis of Passive Direct Air Capture

Figure 79. Passive Direct Air Capture Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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