

Asia Pacific Industrial Heat Pump Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Report | 2024-11-26 | 85 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$3250.00
- Multi User \$3750.00
- Enterprise User \$5750.00

Report description:

Asia Pacific Industrial Heat Pump Market, valued at USD 507 million in 2024, is set to grow at a CAGR of 6% between 2025 and 2034. This growth is driven by the increasing demand for energy-efficient solutions and the adoption of sustainable technologies to reduce carbon emissions in industrial operations. Governments across the region are introducing incentives and funding programs to encourage the use of heat pumps, further boosting their deployment in various industries aiming for greener and more sustainable practices.

The market's expansion is also supported by a surge in renewable energy integration and eco-friendly industrial processes. Industries increasingly prioritize technologies that help minimize environmental impact and comply with stringent emission regulations. The push toward cleaner energy alternatives has positioned industrial heat pumps as an essential solution for reducing energy consumption and lowering operational costs.

Among the different types, air source heat pumps are expected to dominate the market, with their value anticipated to reach USD 370 million by 2034. These systems are gaining popularity due to their ability to provide both heating and cooling by utilizing ambient air, making them a highly energy-efficient option. As businesses across sectors such as manufacturing and food processing seek to optimize their energy usage and meet sustainability targets, the adoption of air source heat pumps is set to increase significantly.

In terms of capacity, heat pumps with less than 500 kW are forecasted to experience a CAGR of over 5.5% through 2034. These systems are becoming more attractive to industries aiming to enhance energy efficiency on a larger scale. Technological advancements have improved their performance and adaptability, making them suitable for diverse applications, including waste heat recovery and integration with existing heating systems.

China is poised to lead the regional market, with its industrial heat pump sector projected to surpass USD 425 million by 2034.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Rapid industrialization and urbanization, coupled with rising investments in energy-efficient infrastructure, are key factors driving growth in the country. The adoption of smart technologies and IoT in district heating and other energy-intensive sectors is further accelerating market expansion in China.

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

Chapter 2 Industry Insights

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
 - 2.3.1 Growth drivers
 - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's analysis
 - 2.5.1 Bargaining power of suppliers
 - 2.5.2 Bargaining power of buyers
 - 2.5.3 Threat of new entrants
 - 2.5.4 Threat of substitutes
- 2.6 PESTEL analysis

Chapter 3 Competitive Landscape, 2024

- 3.1 Introduction
- 3.2 Strategic dashboard
- 3.3 Innovation & sustainability landscape

Chapter 4 Market Size and Forecast, By Product, 2021 - 2034 (USD Million, Units)

- 4.1 Key trends
- 4.2 Air source
- 4.3 Ground source
- 4.4 Water source
- 4.5 Closed cycle mechanical heat pump
- 4.6 Open cycle mechanical vapor compression heat pump
- 4.7 Open cycle mechanical thermocompression heat pump
- 4.8 Closed cycle absorption heat pump

Chapter 5 Market Size and Forecast, By Capacity, 2021 - 2034 (USD Million, Units)

- 5.1 Key trends
- 5.2 < 500 kW
- 5.3 500 kW - 2 MW

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.4 2 MW - 5 MW

5.5 > 5 MW

Chapter 6 Market Size and Forecast, By Temperature, 2021 - 2034 (USD Million, Units)

6.1 Key trends

6.2 80 - 100 C

6.3 100 - 150 C

6.4 150 - 200 C

6.5 > 200 C

Chapter 7 Market Size and Forecast, By Application, 2021 - 2034 (USD Million, Units)

7.1 Key trends

7.2 Industrial

7.2.1 Paper

7.2.2 Food & beverages

7.2.3 Chemical

7.2.4 Iron & steel

7.2.5 Machinery

7.2.6 Non-Metallic minerals

7.2.7 Other industries

7.3 District heating

Chapter 8 Market Size and Forecast, By Country, 2021 - 2034 (USD Million, Units)

8.1 Key trends

8.2 China

8.3 Japan

8.4 Australia

8.5 South Korea

Chapter 9 Company Profiles

9.1 Atlas Copco

9.2 BROAD Group

9.3 Carrier

9.4 Clade Engineering Systems

9.5 GEA Group

9.6 Guangdong Macon New Energy Technology

9.7 Guangdong Phnix Eco-energy Solution

9.8 Johnson Controls

9.9 MAN Energy Solutions

9.10 Mayekawa Australia

9.11 Piller Blowers & Compressors

9.12 SPRSUN

9.13 Suntec Energy Systems

9.14 Thermax

9.15 World Energy

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Asia Pacific Industrial Heat Pump Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Report | 2024-11-26 | 85 pages | Global Market Insights

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$3250.00
	Multi User	\$3750.00
	Enterprise User	\$5750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-12"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com