

Residential Electric Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

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Abstracts

The Global Residential Electric Boiler Market, valued at USD 8.9 billion in 2023, is projected to grow at a CAGR of 11.1% between 2024 and 2032. This growth is fueled by strict government regulations on emissions and an increasing consumer focus on sustainable home heating solutions. With their low emissions, compact designs, and ease of installation, electric boilers are becoming the go-to choice for eco-conscious homeowners. These units, typically quieter and requiring minimal maintenance compared to traditional boilers, are especially popular in smaller homes. Advancements in energy efficiency and integration with renewable energy sources are boosting the appeal of residential electric boilers.

The low-voltage segment, expected to surpass USD 15 billion by 2032, is gaining traction due to the demand for efficient water heating systems that align with zero-emission goals. This growth is especially evident in high-rise buildings, bungalows, and apartments, where multiple boilers are often installed to enhance reliability. Additionally, urbanization and the trend toward smaller households are increasing the demand for compact, efficient heating solutions. The medium-voltage segment is also expanding, with an estimated CAGR of 10.5% through 2032. This growth is supported by increasing environmental regulations and a shift toward sustainable heating solutions.

Medium-voltage electric boilers are particularly valued for their high-pressure handling capabilities, long operational lifespan, and enhanced safety features, driving their adoption in residential settings. In the U.S., the residential electric boiler market is anticipated to exceed USD 700 million by 2032, driven by efforts to lower greenhouse gas emissions and substantial investments in green building initiatives. Extreme weather patterns, alongside rising investments in residential infrastructure, are further boosting the market. The growing number of household units, encouraged by population growth, is propelling demand for energy-efficient heating systems that can reduce both

emissions and energy costs.

Overall, the residential electric boiler market benefits from a perfect storm of regulatory pressure, technological advancements, and changing consumer preferences toward sustainable living. As more homeowners prioritize green solutions and governments tighten emission standards, the demand for residential electric boilers is expected to witness growth across diverse housing types.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definition
- 1.2 Market estimates & forecast parameters
- 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 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's Analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL Analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY VOLTAGE RATING, 2021 – 2032 (UNITS & USD MILLION)

- 5.1 Key trends
- 5.2 Low voltage
- 5.3 Medium voltage

CHAPTER 6 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2032 (UNITS & USD MILLION)

- 6.1 Key trends
- 6.2 North America
 - 6.2.1 U.S.
 - 6.2.2 Canada
- 6.3 Europe
 - 6.3.1 Denmark
 - 6.3.2 Finland
 - 6.3.3 Norway
 - 6.3.4 Sweden
 - 6.3.5 UK
 - 6.3.6 Russia
 - 6.3.7 Romania
 - 6.3.8 Poland
 - 6.3.9 Austria
 - 6.3.10 Belgium
 - 6.3.11 France
 - 6.3.12 Germany
 - 6.3.13 Netherlands
 - 6.3.14 Switzerland
 - 6.3.15 Greece
 - 6.3.16 Italy
 - 6.3.17 Portugal
 - 6.3.18 Spain
- 6.4 Asia Pacific
 - 6.4.1 China
 - 6.4.2 Japan
 - 6.4.3 South Korea
 - 6.4.4 Australia

6.5 Middle East & Africa

6.5.1 Saudi Arabia

6.5.2 UAE

6.5.3 Qatar

6.5.4 South Africa

6.6 Latin America

6.6.1 Brazil

6.6.2 Argentina

6.6.3 Mexico

CHAPTER 7 COMPANY PROFILES

7.1 ACV

7.2 Acme Engineering Products

7.3 Argo

7.4 Atlantic Boilers

7.5 Bosch Industriekessel

7.6 Bradford White Corporation

7.7 Chromalox

7.8 Cleaver-Brooks

7.9 Cochrane Engineering

7.10 Danstoker

7.11 Electro Industries

7.12 Ferroli

7.13 Flexiheat UK

7.14 Fulton

7.15 LAARS Heating Systems

7.16 Lacaze Energies

7.17 Thermolec

7.18 Thermon

7.19 Varmebaronen

7.20 Viessmann

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