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U.S. Residential Boiler Market Size, Share & Trends Analysis Report By Type (Combi Boilers, Conventional Boilers), By Fuel Type (Gas Boilers, Electric Boilers), By Technology, By Installation Type, By Residential Property, By Application, By Capacity, And Segment Forecasts, 2026 - 2033

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Abstracts

The U.S. residential boiler market size was valued at USD 2.4 billion in 2025 and is projected to grow from USD 2.6 billion in 2026 to USD 3.7 billion by 2033, at a CAGR of 5.6% from 2026 to 2033. Market growth is primarily supported by the replacement of aging residential heating systems, continued demand for hydronic heating in the Northeast and Midwest, increasing adoption of high-efficiency condensing technologies, and the need for integrated space-heating and domestic hot-water solutions.

At the same time, the U.S. residential boiler industry is undergoing a gradual technology transition as homeowners and contractors increasingly evaluate energy efficiency, electrification, smart controls, and lower-emission heating alternatives. Gas boilers remain the dominant fuel category, while electric boilers are expanding at a faster pace. The market is also shifting toward wall-mounted, condensing, and lower-capacity systems, although floor-standing and conventional boilers continue to represent a substantial installed-base replacement opportunity.

The U.S. residential boiler market is increasingly shaped by energy efficiency, replacement demand, and tightening building performance requirements, particularly in mature heating markets in Europe. The European Commission estimates that central hydronic heating systems supplied around 40% of EU27 space-heating demand in 2020, while the average efficiency of boilers sold that year was approximately 82%

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versus 64% for the installed boiler stock, highlighting a substantial efficiency gap and long-term replacement opportunity. The Commission also estimates that Ecodesign and Energy Labelling measures for central-heating boilers could deliver 306 TWh of primary-energy savings by 2030 and reduce consumer expenditure by around €14 billion. This is accelerating the adoption of condensing boilers, advanced modulation, improved heat exchangers, and intelligent controls, with companies such as Viessmann, Vaillant, Bosch Home Comfort, Baxi, and Ariston increasingly positioning high-efficiency systems around lifetime operating economics rather than upfront purchase price.

Technology differentiation is shifting toward connected and integrated heating systems. Manufacturers are incorporating smart thermostats, weather compensation, remote monitoring, diagnostics, and automated scheduling to improve real-world system performance and simplify ownership. For example, Bosch Home Comfort's Greenstar platform combines condensing technology with modulation and connected controls, while Vaillant's senso ecosystem and Viessmann's ViCare platform provide digital monitoring and control capabilities for compatible heating systems. This transition is strategically important because field performance can differ materially from laboratory ratings; European Commission-supported research has indicated that seasonal efficiencies measured in real installations can be 15–20% below optimized demonstration conditions, making system design, installation quality, and controls increasingly important. Consequently, premiumization is moving beyond boiler hardware toward measurable benefits such as lower fuel consumption, remote diagnostics, maintenance visibility, and optimized heating schedules.

Electrification and the transition toward lower-carbon residential heating are creating a structural competitive challenge for conventional gas boilers. While gas remains deeply embedded in existing residential heating infrastructure, manufacturers are expanding into heat pumps, electric heating, hybrid systems, and broader home-energy solutions. Vaillant and Viessmann, for instance, have expanded their portfolios beyond gas boilers into heat pumps and connected energy management systems, while Bosch Home Comfort operates across boilers, heat pumps, water heating, and smart controls. This diversification allows manufacturers to participate in multiple technology pathways as household heating systems evolve. At the same time, compact wall-mounted and combi configurations remain commercially important in apartments and space-constrained homes, with Worcester Bosch, Baxi, Vaillant, and Ariston offering compact systems that integrate space heating and domestic hot water.

Competitive advantage is consequently shifting from standalone equipment toward

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complete heating ecosystems and service capabilities. The large installed base of aging boilers creates recurring replacement demand, making installer relationships, spare parts availability, warranty coverage, technical training, and after-sales support important purchase considerations alongside efficiency and price. Manufacturers such as BDR Thermea, Bosch Home Comfort, Vaillant, Viessmann, Ariston, and Rinnai are therefore competing across product efficiency, installation flexibility, digital controls, emissions performance, and service networks. The strategic direction is toward boilers that can operate within a broader residential energy system, enabling manufacturers to retain customers as homes increasingly adopt connected controls, renewable electricity, heat pumps, thermal storage, and other lower-carbon technologies.

U.S. Residential Boiler Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest trends and opportunities in each of the sub-segments from 2026 to 2033. For this study, Grand View Research has segmented the U.S. residential boiler market report based on type, fuel type, technology, installation type, residential property, application, and capacity:

Type Outlook (Revenue, USD Billion, 2021 - 2033)

- Combi (Combination) Boilers
- Conventional (Regular) Boilers
- System Boilers

Fuel Type Outlook (Revenue, USD Billion, 2021 - 2033)

- Gas Boilers
- Oil Boilers
- Electric Boilers
- Others

Technology Outlook (Revenue, USD Billion, 2021 - 2033)

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- Condensing Boilers
- Non-Condensing Boilers

Installation Type Outlook (Revenue, USD Billion, 2021 - 2033)

- Wall-Mounted
- Floor-Standing

Residential Property Outlook (Revenue, USD Billion, 2021 - 2033)

- Single-Family Homes
- Multi-Family Homes

Application Outlook (Revenue, USD Billion, 2021 - 2033)

- Space Heating
- Domestic Hot Water
- Space Heating + Domestic Hot Water

Capacity Outlook (Revenue, USD Billion, 2021 - 2033)

- Below 20 kW
- 20–30 kW
- 30–40 kW
- 40–50 kW
- Above 50 kW

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Contents

CHAPTER 1. METHODOLOGY AND SCOPE

1.1. Market Segmentation & Scope
1.2. Market Definition
1.3. Information Procurement
  1.3.1. Purchased Database
  1.3.2. GVR's Internal Database
  1.3.3. Secondary Sources & Third-Party Perspectives
  1.3.4. Primary Research
1.4. Information Analysis
  1.4.1. Data Analysis Models
1.5. Market Formulation & Data Visualization
1.6. Data Validation & Publishing

CHAPTER 2. EXECUTIVE SUMMARY

2.1. Market Outlook
2.2. Type Outlook
2.3. Fuel Type Outlook
2.4. Technology Outlook
2.5. Installation Type Outlook
2.6. Residential Property Outlook
2.7. Application Outlook
2.8. Capacity Outlook
2.9. Competitive Landscape

CHAPTER 3. U.S. RESIDENTIAL BOILER MARKET VARIABLES, TRENDS & SCOPE

3.1. Market Lineage Outlook
3.2. Industry Value Chain Analysis
  3.2.1. Technology Assessment
  3.2.2. Sales/Retail Channel Analysis
3.3. Market Dynamics
  3.3.1. Driver Impact Analysis
  3.3.2. Restraint Impact Analysis
  3.3.3. Industry Challenges

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3.3.4. Industry opportunities
3.4. Industry Analysis Tools
3.4.1. Industry Analysis - Porter’s Five Forces
3.5. Market Entry Strategies

CHAPTER 4. CONSUMER BEHAVIOR ANALYSIS

4.1. Demographic Analysis
4.2. Consumer Trends and Preferences
4.3. Factors Affecting Buying Decision
4.4. Consumer Product Adoption
4.5. Observations & Recommendations

CHAPTER 5. U.S. RESIDENTIAL BOILER MARKET: TYPE ESTIMATES & TREND ANALYSIS

5.1. U.S. Residential Boiler Market, By Type: Key Takeaways
5.2. Type Movement Analysis & Market Share, 2025 & 2033
5.3. Market Estimates & Forecasts, by Type, 2021 - 2033 (USD Billion)
5.3.1. Combi (Combination) Boilers
5.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
5.3.2. Conventional (Regular) Boilers
5.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
5.3.3. System Boilers
5.3.3.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 6. U.S. RESIDENTIAL BOILER MARKET: FUEL TYPE ESTIMATES & TREND ANALYSIS

6.1. U.S. Residential Boiler Market, By Fuel Type: Key Takeaways
6.2. Fuel Type Movement Analysis & Market Share, 2025 & 2033
6.3. Market Estimates & Forecasts, by Fuel Type, 2021 - 2033 (USD Billion)
6.3.1. Gas Boilers
6.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
6.3.2. Oil Boilers
6.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
6.3.3. Electric Boilers
6.3.3.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
6.3.4. Others

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6.3.4.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 7. U.S. RESIDENTIAL BOILER MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS

7.1. U.S. Residential Boiler Market, By Technology: Key Takeaways
7.2. Technology Movement Analysis & Market Share, 2025 & 2033
7.3. Market Estimates & Forecasts, by Technology, 2021 - 2033 (USD Billion)
7.3.1. Condensing Boilers
7.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
7.3.2. Non-Condensing Boilers
7.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 8. U.S. RESIDENTIAL BOILER MARKET: INSTALLATION TYPE ESTIMATES & TREND ANALYSIS

8.1. U.S. Residential Boiler Market, By Installation Type: Key Takeaways
8.2. Installation Type Movement Analysis & Market Share, 2025 & 2033
8.3. Market Estimates & Forecasts, by Installation Type, 2021 - 2033 (USD Billion)
8.3.1. Wall-Mounted
8.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
8.3.2. Floor-Standing
8.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 9. U.S. RESIDENTIAL BOILER MARKET: RESIDENTIAL PROPERTY ESTIMATES & TREND ANALYSIS

9.1. U.S. Residential Boiler Market, By Residential Property: Key Takeaways
9.2. Residential Property Movement Analysis & Market Share, 2025 & 2033
9.3. Market Estimates & Forecasts, by Residential Property, 2021 - 2033 (USD Billion)
9.3.1. Single-Family Homes
9.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
9.3.2. Multi-Family Homes
9.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 10. U.S. RESIDENTIAL BOILER MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

10.1. U.S. Residential Boiler Market, By Application: Key Takeaways

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10.2. Application Movement Analysis & Market Share, 2025 & 2033
10.3. Market Estimates & Forecasts, by Application, 2021 - 2033 (USD Billion)
10.3.1. Space Heating
10.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
10.3.2. Domestic Hot Water
10.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
10.3.3. Space Heating + Domestic Hot Water
10.3.3.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 11. U.S. RESIDENTIAL BOILER MARKET: CAPACITY ESTIMATES & TREND ANALYSIS

11.1. U.S. Residential Boiler Market, By Capacity: Key Takeaways
11.2. Capacity Movement Analysis & Market Share, 2025 & 2033
11.3. Market Estimates & Forecasts, by Capacity, 2021 - 2033 (USD Billion)
11.3.1. Below 20 kW
11.3.1.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
11.3.2. 20–30 kW
11.3.2.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
11.3.3. 30–40 kW
11.3.3.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
11.3.4. 40–50 kW
11.3.4.1. Market estimates and forecast, 2021 - 2033 (USD Billion)
11.3.5. Above 50 kW
11.3.5.1. Market estimates and forecast, 2021 - 2033 (USD Billion)

CHAPTER 12. COMPETITIVE ANALYSIS

12.1. Recent developments & impact analysis, by key market participants
12.2. Company Categorization
12.3. Participant’s Overview
12.4. Financial Performance
12.5. Product Portfolios
12.6. Company Market Share Analysis, 2025 (%)
12.7. Company Heat Map Analysis, 2025
12.8. Strategy Mapping
12.9. Company Profiles
12.9.1. Robert Bosch GmbH
12.9.1.1. Company Overview

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12.9.1.2. Financial Performance
12.9.1.3. Product Portfolios
12.9.1.4. Strategic Initiatives
12.9.2. BDR Thermea Group (Baxi)
12.9.2.1. Company Overview
12.9.2.2. Financial Performance
12.9.2.3. Product Portfolios
12.9.2.4. Strategic Initiatives
12.9.3. A. O. Smith Corporation
12.9.3.1. Company Overview
12.9.3.2. Financial Performance
12.9.3.3. Product Portfolios
12.9.3.4. Strategic Initiatives
12.9.4. Navien, Inc.
12.9.4.1. Company Overview
12.9.4.2. Financial Performance
12.9.4.3. Product Portfolios
12.9.4.4. Strategic Initiatives
12.9.5. Weil-McLain
12.9.5.1. Company Overview
12.9.5.2. Financial Performance
12.9.5.3. Product Portfolios
12.9.5.4. Strategic Initiatives
12.9.6. Carrier Corporation
12.9.6.1. Company Overview
12.9.6.2. Financial Performance
12.9.6.3. Product Portfolios
12.9.6.4. Strategic Initiatives
12.9.7. U.S. Boiler Company
12.9.7.1. Company Overview
12.9.7.2. Financial Performance
12.9.7.3. Product Portfolios
12.9.7.4. Strategic Initiatives
12.9.8. PB Heat, LLC (Peerless Boilers)
12.9.8.1. Company Overview
12.9.8.2. Financial Performance
12.9.8.3. Product Portfolios
12.9.8.4. Strategic Initiatives
12.9.9. Slant/Fin Corporation

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12.9.9.1. Company Overview
12.9.9.2. Financial Performance
12.9.9.3. Product Portfolios
12.9.9.4. Strategic Initiatives
12.9.10. Energy Kinetics
12.9.10.1. Company Overview
12.9.10.2. Financial Performance
12.9.10.3. Product Portfolios
12.9.10.4. Strategic Initiatives

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List Of Tables

LIST OF TABLES

Table 1 U.S. residential boiler market: Key market driver analysis
Table 2 U.S. residential boiler market: Key market restraint analysis
Table 3 U.S. residential boiler market estimates & forecast, by type (USD Billion)
Table 4 Combi (Combination) Boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 5 Conventional (regular) boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 6 System boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 7 U.S. residential boiler market estimates & forecasts, by fuel type (USD Billion)
Table 8 Gas boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 9 Oil boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 10 Electric boilers market estimates & forecasts, 2021-2033 (USD Billion)
Table 11 Other residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 12 U.S. residential boiler market estimates & forecast, by Technology (USD Billion)
Table 13 Condensing residential boiler market estimates and forecast, 2021 - 2033 (USD Billion)
Table 14 Non-condensing residential boiler market estimates and forecast, 2021 - 2033 (USD Billion)
Table 15 U.S. residential boiler market estimates & forecast, by installation type (USD Billion)
Table 16 Wall-mounted residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 17 Floor-standing residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 18 U.S. residential boiler market estimates & forecasts, by residential property (USD Billion)
Table 19 Single-family homes residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 20 Multi-family homes residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 21 U.S. residential boiler market estimates & forecast, by application (USD Billion)
Table 22 Space heating residential boiler market estimates & forecasts, 2021-2033 (USD Billion)

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Table 23 Domestic hot water residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 24 Space heating + domestic hot water residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 25 U.S. residential boiler market estimates & forecast, by capacity (USD Billion)
Table 26 Below 20 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 27 20–30 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 28 30–40 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 29 40–50 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 30 Above 50 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Table 31 U.S. residential boiler market revenue estimates and forecast by country, 2021 - 2033 (USD Billion)
Table 32 Company market share, 2025
Table 33 Companies undergoing key strategies

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List Of Figures

LIST OF FIGURES

Fig. 1 U.S. residential boiler market segmentation
Fig. 2 Information procurement
Fig. 3 Primary research pattern
Fig. 4 Primary research approaches
Fig. 5 Primary research process
Fig. 6 Market snapshot
Fig. 7 Type snapshot
Fig. 8 Fuel type snapshot
Fig. 9 Technology snapshot
Fig. 10 Installation type snapshot
Fig. 11 Residential property snapshot
Fig. 12 Application snapshot
Fig. 13 Capacity snapshot
Fig. 14 Competitive landscape snapshot
Fig. 15 U.S. residential boilers market value, 2025 (USD Billion)
Fig. 16 U.S. residential boilers market - Industry value chain analysis
Fig. 17 U.S. residential boilers market dynamics
Fig. 18 U.S. residential boilers market: Porter’s analysis
Fig. 19 U.S. residential boiler market, by type: Key takeaways
Fig. 20 U.S. residential boiler market: Type movement analysis, 2025 & 2033 (%)
Fig. 21 Combi (combination) boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 22 Conventional (regular) boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 23 System boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 24 U.S. residential boiler market, by fuel type: Key takeaways
Fig. 25 U.S. residential boiler market: Fuel Type movement analysis, 2025 & 2033 (%)
Fig. 26 Gas boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 27 Oil boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 28 Electric boilers market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 29 Other residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 30 U.S. residential boiler market, by Technology: Key takeaways
Fig. 31 U.S. residential boiler market: Technology movement analysis, 2025 & 2033 (%)
Fig. 32 Condensing residential boiler market estimates and forecast, 2021 - 2033 (USD Billion)

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Fig. 33 Non-condensing residential boiler market estimates and forecasts, 2021 - 2033 (USD Billion)
Fig. 34 U.S. residential boiler market, by installation type: Key takeaways
Fig. 35 U.S. residential boiler market: Installation Type movement analysis, 2025 & 2033 (%)
Fig. 36 Wall-mounted residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 37 Floor-standing residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 38 U.S. residential boiler market, by residential property: Key takeaways
Fig. 39 U.S. residential boiler market: Residential property movement analysis, 2025 & 2033 (%)
Fig. 40 Single-family homes residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 41 Multi-family homes residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 42 U.S. residential boiler market, by application: Key takeaways
Fig. 43 U.S. residential boiler market: Application movement analysis, 2025 & 2033 (%)
Fig. 44 Space heating residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 45 Domestic hot water residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 46 Space heating + domestic hot water residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 47 U.S. residential boiler market, by capacity: Key takeaways
Fig. 48 U.S. residential boiler market: Capacity movement analysis, 2025 & 2033 (%)
Fig. 49 Below 20 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 50 20–30 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 51 30–40 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 52 40–50 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 53 Above 50 kW residential boiler market estimates & forecasts, 2021-2033 (USD Billion)
Fig. 54 Key company categorization
Fig. 55 Company market share analysis, 2025 (%)
Fig. 56 Strategic framework of the residential boiler market

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