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Residential Electric Water Pump Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Up to 0.25 HP, 0.25-0.5 HP, 0.5 HP-1 HP, 1 HP-1.5 HP, Above 1.5 HP), By Application (Heating and Air Conditioning, Domestic Irrigation, Swimming-Pools, Drainage and Sewage, Pressurization, Others), By Region & Competition, 2021-2031F

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Abstracts

The global residential electric water pump market is expected to experience substantial growth, expanding from USD 11.57 billion in 2025 to USD 23.32 billion by 2031, at a compound annual growth rate (CAGR) of 12.39%. This market encompasses electromechanical devices specifically designed for various domestic uses, such as enhancing potable water supply, managing wastewater drainage, and facilitating fluid circulation within heating or cooling systems. These pumps effectively convert electrical energy into hydraulic flow to efficiently move fluids throughout residential properties. Key drivers for this market's growth include accelerated urbanization and the resulting increase in residential construction, which demand dependable water distribution and sewage disposal systems. Additionally, growing consumer emphasis on energy efficiency is fueling the adoption of smart, energy-saving pumping solutions. This robust growth is underscored by strong manufacturing activity, with major machinery enterprises in China reporting a 6% year-on-year increase in added value in 2024, as per the China Machinery Industry Federation. However, the market contends with considerable challenges, primarily stemming from the volatile prices of critical raw materials, such as copper and steel. This financial unpredictability can significantly impact manufacturing costs and compress profit margins, complicating long-term

strategic planning for producers. This economic pressure is frequently worsened by intermittent disruptions in supply chains, which cause production delays and impede the timely delivery of products to consumers. Consequently, manufacturers are continuously challenged to manage these financial and logistical obstacles to sustain competitive pricing within a consumer market highly sensitive to costs.

Market Driver

The key drivers for the residential electric water pump market are rapid urbanization and the global expansion of residential infrastructure. As populations increasingly move to urban centers, the resulting population density requires the development of multi-story buildings and intricate urban planning, both heavily dependent on effective water distribution systems. These residential developments necessitate robust pumping solutions for various applications, including boosting potable water supply, circulating fluids in HVAC systems, and transporting sewage, thereby generating a consistent demand for high-performance equipment. For instance, residential construction spending in the United States reached a seasonally adjusted annual rate of USD 913.6 billion in September 2024, as reported by the U.S. Census Bureau in November 2024. This substantial investment in housing development highlights the crucial requirement for reliable infrastructure components, directly boosting the demand for residential pumps. Concurrently, the market is undergoing transformation due to the growing integration of smart and IoT-enabled pumping technologies. Both contemporary consumers and regulatory bodies are increasingly emphasizing energy efficiency, prompting a shift from conventional fixed-speed pump models to intelligent systems that offer real-time monitoring and adaptable performance. Manufacturers are responding to these sustainability demands by investing significantly in research and development. For example, Wilo SE allocated EUR 77.7 million in 2023 to advance its range of smart and environmentally friendly solutions, as detailed in its March 2024 Annual Report. This technological progression is further underscored by the strong financial results of major industry participants; Ebara Corporation reported a total revenue of JPY 759.3 billion for the fiscal year ending December 31, 2023, according to its February 2024 Consolidated Financial Results, demonstrating the sector's continued commercial vigor.

Market Challenge

The global residential electric water pump market is significantly hindered by considerable price volatility in essential raw materials, particularly metals like copper and steel. This financial instability adversely affects the manufacturing cost structure, creating an unpredictable environment where producers encounter shrinking profit

margins. Since these materials are indispensable for producing pump motors and casings, abrupt price increases make it challenging for manufacturers to conduct effective long-term financial planning or maintain consistent product pricing. As a result, companies frequently struggle to reconcile absorbing higher input costs with the necessity of offering competitive prices to residential consumers who are sensitive to costs, ultimately impeding overall market growth. This economic burden is compounded by sporadic supply chain limitations, which worsen the scarcity of these crucial resources. Such unpredictability not only escalates immediate production costs but also slows down manufacturing timelines, preventing the prompt fulfillment of orders for residential infrastructure projects. Emphasizing the gravity of these supply issues, the International Copper Study Group projected in October 2025 that the global refined copper market would transition from a surplus to a supply deficit of 150,000 tonnes in 2026. This anticipated shortage in a vital raw material highlights the substantial logistical and financial obstacles that directly constrain the industry's ability to achieve sustained growth.

Market Trends

A prominent market trend is the increasing adoption of solar-powered residential pumping solutions, especially in areas facing unstable power grids or high electricity costs. Unlike conventional grid-connected systems, these independent solutions provide homeowners and agricultural users with complete energy autonomy, thereby separating water access from unpredictable utility expenses and infrastructure fragilities. The rising demand for these off-grid applications is clearly demonstrated by the recent performance of specialized manufacturers; for example, Shakti Pumps (India) Limited reported installing 22,304 solar pumps in Q2 FY26, marking a strong 21% year-over-year increase, according to their November 2025 financial results. Concurrently, there is a significant shift towards using sustainable and corrosion-resistant materials, with manufacturers increasingly replacing traditional components with advanced thermoplastics and high-grade stainless steel. This move is driven not by fluctuating raw material prices, but by a strategic emphasis on prolonging product lifecycles, maintaining water hygiene, and adhering to strict environmental standards for recyclability. This dedication to eco-friendly design is transforming production methods and reducing the industry's environmental impact. As evidence of this pivot towards greener manufacturing, Grundfos achieved a 10.5% year-on-year reduction in its total CO2 emissions in 2024, a notable accomplishment directly linked to optimized production and higher sales of its energy-efficient, sustainable pumping technologies, as stated in their February 2025 Full Year Results.

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Key Market Players

Grundfos Holding A/S

Xylem Inc.

Wilo SE

KSB SE & Co. KGaA

Franklin Electric Co., Inc.

Tsurumi Manufacturing Co., Ltd.

EBARA Corporation

The Gorman-Rupp Company

Report Scope

In this report, the Global Residential Electric Water Pump Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Residential Electric Water Pump Market, By Type

Up to 0.25 HP

0.25-0.5 HP

0.5 HP-1 HP

1 HP-1.5 HP

Above 1.5 HP

Residential Electric Water Pump Market, By Application

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- Heating and Air Conditioning
- Domestic Irrigation
- Swimming-Pools
- Drainage and Sewage
- Pressurization
- Others

Residential Electric Water Pump Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific
  - China
  - India

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Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Residential Electric Water Pump Market.

Available Customizations:

Global Residential Electric Water Pump Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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