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Asia-Pacific Residential Electric Water Pump Market By Well Type (Shallow Well, Deep Well), By Pump Type (Cascade Pump, Turbine Pump, Centrifugal Pump, Submersible Pump, Turbine Pump with Jet), By Function Type (Automatic, Non-Automatic), By Power Rating (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 Price Range (Economy (Up to USD125), Medium (126-300 USD), High (USD301-500), Premium (Above 500 USD)), By Country, Competition, Forecast and Opportunities, 2020-2030F

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Abstracts

Market Overview

The Asia-Pacific Residential Electric Water Pump Market was valued at USD 4.08 billion in 2024 and is projected t%li%reach USD 5.56 billion by 2030, growing at a CAGR of 5.15% during the forecast period. This growth is fueled by rapid urbanization, rising household standards, and increasing demand for reliable and energy-efficient water supply systems. Expanding residential infrastructure, particularly in countries such as India, China, and across Southeast Asia, has accelerated the adoption of electric water pumps in both urban and rural settings.

Electric water pumps are favored for their operational simplicity, low maintenance, and consistent performance, making them an ideal choice for residential applications. As the region’s population continues t%li%grow and cities expand, demand for water delivery

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systems in housing developments and apartment complexes is surging. Additionally, consumers are showing greater preference for modern, energy-efficient appliances, further supporting the uptake of advanced electric water pump technologies designed t%li%offer superior performance while minimizing energy consumption.

Key Market Drivers

Urbanization and Increasing Residential Infrastructure Development

Urban expansion across the Asia-Pacific region is significantly driving demand for residential electric water pumps. With China’s urban population surpassing 60% and India on track t%li%construct over 20 million new homes by 2030, the need for efficient and reliable water pumping systems is critical. The growing number of residential buildings—ranging from individual homes t%li%high-rise apartments—requires dependable water supply solutions, particularly in rapidly urbanizing areas. Electric water pumps are essential in ensuring adequate water pressure and continuous supply for daily household activities, thus becoming a staple in new residential construction projects.

Key Market Challenges

High Initial Investment Costs

A major barrier t%li%wider adoption of residential electric water pumps in the Asia-Pacific region is the relatively high upfront cost of advanced pump systems. Although energy-efficient models with smart features and variable frequency drives (VFDs) offer long-term savings, their purchase and installation costs can be prohibitively expensive for low-income households, especially in rural or semi-urban areas. Affordability remains a key issue in emerging economies like India, where price-sensitive consumers may prioritize short-term savings over long-term efficiency. The lack of awareness around operational cost benefits further slows adoption, despite government programs aiming t%li%subsidize or incentivize solar or electric pump systems.

Key Market Trends

Increasing Adoption of Solar-Powered Water Pumps

The adoption of solar-powered water pumps is rising as a viable solution in regions with limited electricity access or unreliable power grids. Countries such as India, Indonesia,

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and the Philippines are increasingly turning t%li%solar energy t%li%power residential water pumps, especially in rural communities. These pumps reduce dependence on traditional power sources, promote sustainability, and lower long-term operational costs. In India, the PM-KUSUM scheme has played a crucial role in promoting solar-powered pumps by offering financial incentives and subsidies t%li%rural households and farmers. With declining solar panel costs and rising environmental awareness, the shift toward solar-powered water pumps is expected t%li%continue as a prominent trend across the region.

Key Market Players

Wil%li%SE

KSB SE & Co. KGaA

Xylem, Inc.

Kirloskar Brothers Ltd.

M N Electricals

Shakti Pumps Ltd.

Grundfos

Sulzer Ltd.

Franklin Electric Co., Inc.

Centrala Hydrauliki si Pompy

Report Scope:

In this report, the Asia-Pacific Residential Electric Water Pump Market has been segmented int%li%the following categories, in addition t%li%the industry trends which have als%li%been detailed below:

Asia-Pacific Residential Electric Water Pump Market, By Well Type:

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Shallow Well

Deep Well

Asia-Pacific Residential Electric Water Pump Market, By Pump Type:

Cascade Pump

Turbine Pump

Centrifugal Pump

Submersible Pump

Turbine Pump with Jet

Asia-Pacific Residential Electric Water Pump Market, By Function Type:

Automatic

Non-Automatic

Asia-Pacific Residential Electric Water Pump Market, By Power Rating:

Up t%li%0.25 HP

0.25–0.5 HP

0.5 HP–1 HP

1 HP–1.5 HP

Above 1.5 HP

Asia-Pacific Residential Electric Water Pump Market, By Price Range:

Economy (Up t%li%USD 125)

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Medium (USD 126–300)

High (USD 301–500)

Premium (Above USD 500)

Asia-Pacific Residential Electric Water Pump Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

Malaysia

Competitive Landscape

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

Available Customizations:

Asia-Pacific Residential Electric Water Pump Market report with the given market data, TechSci Research offers customizations according t%li%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

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