

Agricultural Pump Market by Type (Rotodynamic Pumps, Positive Displacement Pumps), Power Source (Electricity-grid Connection, Diesel/Petrol, Solar), HP, End-Use (Irrigation, Livestock Watering), and Region – Global Forecast to 2025

<https://marketpublishers.com/r/AD8D3D724B88EN.html>

Date: June 2020

Pages: 168

Price: US\$ 4,950.00 (Single User License)

ID: AD8D3D724B88EN

Abstracts

The increase in the land area being brought under cultivation is one of the major driving factors for the agricultural pump market.”

The global agricultural pumps market is estimated to be valued at USD 4.2 billion in 2020. It is projected to reach a value of USD 6.1 billion by 2025, growing at a CAGR of 7.6% during the forecast period. Factors such as increasing land being brought under irrigation, rising adoption of modern agricultural practices in developing countries, government support in the adoption of new agricultural equipment and technology, increased rate of mechanization, and the advent of big data in agricultural farms are some of the factors driving the growth of the market.

“The market for positive displacement pumps is projected to grow at the highest CAGR between 2020 and 2025.”

Positive displacement pumps develop high pressures while operating at low suction pressures. They are used when the constant flow has to be maintained regardless of pressure. In these pumps, the flow is usually regulated by varying the speed of the pump. Positive displacement pumps are more efficient than centrifugal ones and are used for highly viscous liquids. Characteristics such as better control and higher efficiency are fueling the market demand.

“The solar pumps segment is projected to grow at the highest CAGR between 2020 and

2025.”

Solar pumps work on electricity produced by thermal energy collected from sunlight or photovoltaic panels, a process of transforming solar energy into electricity. These pumps do not rely on diesel or electricity, and therefore, bring about better effectiveness and productivity. These pumps do not create issues, such as feeder damage, supply cut, price hikes, etc. Moreover, solar pumps have a minimal environmental impact than any other powered pumps that have observed a huge growth in the worldwide market of solar pumps.

“The segment for pumps between the range of 4.0-15HP is projected to grow at the highest CAGR between 2020 and 2025.”

Pumps under this range of horsepower can withstand wide voltage fluctuations from 300–440 Volts, suction lift up to 7.5 meters, and a top flat efficiency curve. The demand for pumps in the range of 4-15 hp is the highest due to their growing adoption in small and medium-sized landholdings. It is used to withdraw water from sources such as reservoirs and lakes.

“Livestock watering, as an end-use of agriculture pumps, projected to grow at the highest CAGR between 2020 and 2025.”

Agriculture pumps are widely preferable for reasons, such as lower maintenance, the potential for automated and remote control, and the ability to use solar power either as the only power source or as a supplementary power source for grid-connected pumps. Due to efforts to use improved grazing strategies, such as paddock grazing or intensive rotational livestock, producers need dependable and economically alternative methods of providing water to livestock fueling the demand for the agricultural pumps market.

“The agriculture pump industry in Asia Pacific is projected to grow at the highest CAGR during the forecast period. “

Factors driving the adoption of agriculture pumps in Asia Pacific include the increasing demand for food, high pressure to improve yields with limited available resources, and increasing requirement to protect crops from unexpected climatic changes.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with the key experts.

The breakup of the profiles of primary participants is as follows:

By Manufacturers: Managers & Executives – 60%, Junior level employees – 30%, and Managing Directors – 15%

By Designation: CXOs – 40%, Managers – 30%, Executives – 30%

By Geography: North America – 20%, Europe – 30%, APAC – 35%, South America – 10% and RoW – 5%

Some of the major players in the market include Grundfos (Denmark), Xylem Inc (US), KSB SE & Co. (Germany), Flowserve Corporation (US), Lindsay Corporation (US), Valmont Industries (US), and Jain Irrigation Systems (India).

Research Coverage

The report segments the agricultural pumps market based on type, HP, source, end-use, and region. In terms of insights, this report has focused on various levels of analyses—competitive landscape, end-use analysis, and company profiles—which together comprise and discuss views on the emerging & high-growth segments of the agriculture pumps high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges.

Reasons to Buy the Report:

Illustrative segmentation, analysis, and forecast pertaining to the agricultural pump market based on type, HP, source, end-use, and geography have been conducted to provide an overall view of the agriculture pump industry

Major drivers, restraints, and opportunities for the agricultural pumps market have been detailed in this report.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
- 1.4 PERIODIZATION CONSIDERED
- 1.5 CURRENCY CONSIDERED
- 1.6 UNITS
- 1.7 STAKEHOLDERS
- 1.8 INCLUSIONS & EXCLUSIONS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS & LIMITATIONS
 - 2.4.1 ASSUMPTIONS
 - 2.4.2 LIMITATIONS OF THE STUDY

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 OPPORTUNITIES IN THE AGRICULTURAL PUMPS MARKET
- 4.2 AGRICULTURAL PUMPS MARKET, BY POWER SOURCE
- 4.3 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET, BY TYPE & KEY COUNTRIES
- 4.4 AGRICULTURAL PUMPS, BY HP & REGION
- 4.5 AGRICULTURAL PUMPS MARKET, BY END-USE
- 4.6 AGRICULTURAL PUMPS MARKET, BY COUNTRY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MACROECONOMIC INDICATORS

5.2.1 INCREASE IN DEMAND FOR ARABLE LAND

5.2.2 DISTRIBUTION & AVAILABILITY OF WATER

5.2.3 INCREASING AREA UNDER IRRIGATION

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Government support for the adoption of modern agricultural equipment

5.3.1.2 Increased mechanization of agricultural activities at a global scale

5.3.2 RESTRAINTS

5.3.2.1 High costs associated with the installation and maintenance of pump systems

5.3.2.2 Operation of large pumps in fragmented land holdings

5.3.3 OPPORTUNITIES

5.3.3.1 Increasing adoption of modern techniques for irrigation in developing countries leading to increased demand for rotodynamic pumps

5.3.4 ADVENT OF BIG DATA IN AGRICULTURAL FARMS

5.3.5 INTEGRATION OF SMARTPHONES WITH HARDWARE DEVICES AND SOFTWARE APPLICATIONS

5.3.6 CHALLENGES

5.3.6.1 Degradation of equipment

5.4 VALUE-CHAIN ANALYSIS

5.4.1 RAW MATERIALS

5.4.2 RESEARCH AND DEVELOPMENT

5.4.3 MANUFACTURING

5.4.4 DISTRIBUTION, MARKETING & SALES, END-USERS

5.5 TECHNOLOGY ANALYSIS

5.6 MARKET ECOSYSTEM

6 AGRICULTURE PUMPS, BY TYPE

6.1 INTRODUCTION

6.2 ROTODYNAMIC PUMPS

6.3 CENTRIFUGAL

6.3.1 THE GROWING DEMAND FROM THE IRRIGATION AND LIVESTOCK WATERING SECTORS IS DRIVING THE MARKET DEMAND

6.4 MIXED FLOW

6.5 AXIAL FLOW

6.6 POSITIVE DISPLACEMENT

6.6.1 CHARACTERISTICS SUCH AS BETTER CONTROL AND HIGHER EFFICIENCY FUELING THE MARKET DEMAND

6.7 RECIPROCATING

6.8 ROTARY

7 AGRICULTURE PUMPS, BY POWER SOURCE

7.1 INTRODUCTION

7.2 ELECTRICITY GRID-CONNECTION

7.2.1 FACTORS SUCH AS LOWER MAINTENANCE, GREATER POTENTIAL, AND REMOTE ACCESS ARE FUELING THE DEMAND FOR ELECTRIC SOURCE

7.3 DIESEL/PETROL

7.3.1 RISING DEMAND FOR WATER-INTENSIVE MANUFACTURING IS BOOSTING THE DEMAND FOR FUEL-BASED PUMPS

7.4 SOLAR

7.4.1 SOLAR ENERGY PUMPS ARE RELIABLE AND COST-EFFECTIVE AND ARE RAISING THE LEVELS OF AGRICULTURAL PRODUCTIVITY

8 AGRICULTURE PUMPS, BY HORSEPOWER

8.1 INTRODUCTION

8.2 0.5 TO 3

8.3 4 TO 15

8.4 16 TO 30

8.5 31 TO 40

8.6 >40 HP

9 AGRICULTURE PUMPS MARKET, BY END-USE

9.1 INTRODUCTION

9.2 IRRIGATION

9.3 LIVESTOCK WATERING

10 AGRICULTURE PUMPS, BY REGION

10.1 INTRODUCTION

10.2 ASIA PACIFIC

10.2.1 CHINA

10.2.1.1 The population of China heavily relies on agriculture, and this has persuaded the Chinese government to adopt advanced technologies & machinery boosting the demand for agriculture pumps in the country

10.2.2 INDIA

10.2.2.1 With the rising demand for food in the region, the demand for agriculture pumps is projected to rise during the forecast period

10.2.3 JAPAN

10.2.3.1 Being highly industrialized, Japan's agriculture pump industry is also quite developed

10.2.4 AUSTRALIA

10.2.4.1 Around 4% of the country's GDP is derived from agriculture, which contributes toward the rising demand for agriculture pumps in the country

10.2.5 SOUTH KOREA

10.2.5.1 The government in the region has been focusing on the development of the agriculture sector by emphasizing on commercialization, specialization, and mechanization

10.2.6 REST OF ASIA PACIFIC

10.3 EUROPE

10.3.1 SPAIN

10.3.1.1 Most of the territory experience a dry climate leading to a shortage of rainfall, fuelling the demand for pumps for irrigation and livestock watering

10.3.2 FRANCE

10.3.2.1 The improved government support, and increased interest in improving agricultural productivity, are boosting the demand for agricultural pumps

10.3.3 GERMANY

10.3.3.1 Irrigational quality enhancement, high irrigation efficiency, variety of equipment, no high maintenance, and low-cost driving the demand

10.3.4 UK

10.3.4.1 Rising adoption of smart pumps and the emergence of renewable energy submersible pumps boosting market growth

10.3.5 ITALY

10.3.5.1 Increasing agricultural activities, coupled with livestock water, supply expected to expand market penetration

10.3.6 RUSSIA

10.3.6.1 Strong government support spurred business development in the farming to fuel the market demand

10.3.7 REST OF EUROPE

10.4 NORTH AMERICA

10.4.1 US

10.4.1.1 Modernization of water supply and waste treatment plants are fueling the demand for agriculture pumps in the region

10.4.2 CANADA

10.4.2.1 Canada is the largest export market for US agricultural equipment, with exports totaling USD 2.6 billion in 2017

10.4.3 MEXICO

10.4.3.1 Growing agribusiness sector of Mexico is driven directly by the greater use of modern-day agricultural equipment such as agricultural pumps

10.5 SOUTH AMERICA

10.5.1 BRAZIL

10.5.1.1 Technological advancements, increasing population levels, strong economic growth, good availability of agriculture products high arable land boosting the market's growth

10.5.2 ARGENTINA

10.5.2.1 The country is working to increase the livestock export by opening international markets, repealing government export regulations, and adopting new methods of production

10.5.3 CHILE

10.5.3.1 Around 10% of the country's labor force is engaged in agriculture and related services

10.5.4 REST OF SOUTH AMERICA

10.6 ROW

10.6.1 MIDDLE EAST

10.6.1.1 Continued growth in agriculture fueling the demand for agriculture pumps

10.6.2 AFRICA

10.6.2.1 Owing to high dependency on agricultural activities, African countries witnessed high demand for agriculture pumps

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 MARKET EVALUATION FRAMEWORK

11.3 REVENUE ANALYSIS OF TOP FIVE MARKET PLAYERS

11.4 KEY MARKET DEVELOPMENTS

11.4.1 NEW PRODUCT LAUNCHES

11.4.2 ACQUISITIONS

11.4.3 EXPANSIONS & INVESTMENTS

11.4.4 CONTRACTS & AGREEMENTS

12 COMPANY EVALUATION MATRIX AND COMPANY PROFILES

12.1 OVERVIEW

12.2 COMPANY EVALUATION MATRIX DEFINITIONS AND METHODOLOGY

12.2.1 MARKET SHARE/RANKING

12.2.2 STARS

12.2.3 EMERGING LEADERS

12.2.4 PERVASIVE

12.3 COMPANY EVALUATION MATRIX, 2019

12.4 COMPANY PROFILES

(Business overview, Products offered, Recent developments, SWOT analysis & Right to win)*

12.4.1 GRUNDFOS

12.4.2 XYLEM

12.4.3 LINDSAY CORPORATION

12.4.4 VALMONT INDUSTRIES INC.

12.4.5 JAIN IRRIGATION SYSTEMS LTD.

12.4.6 SHIMGE PUMP INDUSTRY PVT. LTD.

12.4.7 FRANKLIN ELECTRIC

12.4.8 ZHEJIANG DOYIN PUMP INDUSTRY CO. LTD

12.4.9 MAHINDRA EPC LTD.

12.4.10 LEO GROUP PUMPS (ZHEJIANG) CO., LTD.

12.4.11 CNP PUMPS INDIA PVT. LTD.

12.4.12 FLOWSERVE

12.4.13 KSB

12.4.14 WILO

12.4.15 MONO

12.4.16 TEXMO

12.4.17 NATIONAL PUMP COMPANY

12.4.18 SHAKTI PUMPS

12.4.19 WEIR

12.4.20 PENTAIR PUMPS

*Details on Business overview, Products offered, Recent developments, SWOT analysis & Right to win might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.3 AVAILABLE CUSTOMIZATIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 USD EXCHANGE RATE, 2015–2019

TABLE 2 LAND WITH RAINFED CROP PRODUCTION POTENTIAL

TABLE 3 COUNTRIES WITH THE LARGEST AGRICULTURAL WATER
WITHDRAWALS

TABLE 4 NEW TECHNOLOGIES IN PUMPING SYSTEMS

TABLE 5 GLOBAL AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025
(USD MILLION)

TABLE 6 FACTORS TO BE CONSIDERED WHILE SELECTING AGRICULTURAL
PUMPS

TABLE 7 ROTODYNAMIC PUMPS: AGRICULTURAL PUMPS MARKET SIZE, BY
REGION, 2018–2025 (USD MILLION)

TABLE 8 CENTRIFUGAL PUMPS: AGRICULTURAL PUMPS MARKET SIZE, BY
REGION, 2018–2025 (USD MILLION)

TABLE 9 MIXED FLOW: AGRICULTURAL PUMPS MARKET SIZE, BY REGION,
2018–2025 (USD MILLION)

TABLE 10 AXIAL FLOW: AGRICULTURAL PUMPS MARKET SIZE, BY REGION,
2018–2025 (USD MILLION)

TABLE 11 POSITIVE DISPLACEMENT PUMPS: AGRICULTURAL PUMPS MARKET
SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 12 RECIPROCATING PUMPS: AGRICULTURAL PUMPS MARKET SIZE, BY
REGION, 2018–2025 (USD MILLION)

TABLE 13 ROTARY PUMPS: AGRICULTURAL PUMPS MARKET SIZE, BY REGION,
2018–2025 (USD MILLION)

TABLE 14 AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE,
2018–2025 (USD MILLION)

TABLE 15 AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE,
2018–2025 (THOUSAND UNITS)

TABLE 16 ELECTRICITY GRID-CONNECTION: AGRICULTURAL PUMPS MARKET
SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 17 ELECTRICITY GRID-CONNECTION: AGRICULTURAL PUMPS MARKET
SIZE, BY REGION, 2018–2025 (THOUSAND UNITS)

TABLE 18 DIESEL/PETROL: AGRICULTURAL PUMPS MARKET SIZE, BY REGION,
2018–2025 (USD MILLION)

TABLE 19 DIESEL/PETROL: AGRICULTURAL PUMPS MARKET SIZE, BY REGION,
2018–2025 (THOUSAND UNITS)

TABLE 20 SOLAR: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 21 SOLAR: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (THOUSAND UNITS)

TABLE 22 GLOBAL AGRICULTURAL PUMPS MARKET SIZE, BY HP, 2018–2025 (USD MILLION)

TABLE 23 0.5-3 HP: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 24 4-16 HP: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 25 16-30 HP: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 26 31-40 HP: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 27 >40 HP: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 28 IRRIGATION: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE, 2018–2025 (USD MILLION)

TABLE 29 IRRIGATION: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 30 LIVESTOCK WATERING: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 31 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (USD MILLION)

TABLE 32 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (THOUSAND UNITS)

TABLE 33 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 34 ASIA PACIFIC: POSITIVE DISPLACEMENT PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 35 ASIA PACIFIC: ROTODYNAMIC PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 36 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY HP, 2018–2025 (USD MILLION)

TABLE 37 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 38 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 39 ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE,

2018–2025 (USD MILLION)

TABLE 40 CHINA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 41 CHINA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 42 INDIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 43 INDIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 44 JAPAN: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 45 JAPAN: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 46 AUSTRALIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 47 AUSTRALIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (MILLION UNITS)

TABLE 48 SOUTH KOREA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 49 SOUTH KOREA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 50 REST OF ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 51 REST OF ASIA PACIFIC: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 52 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (USD MILLION)

TABLE 53 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (THOUSAND UNITS)

TABLE 54 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 55 EUROPE: ROTODYNAMIC PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 56 EUROPE: POSITIVE DISPLACEMENT PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 57 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 58 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND MILLION)

- TABLE 59 EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE, 2018–2025 (USD MILLION)
- TABLE 60 SPAIN: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 61 SPAIN: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 62 FRANCE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 63 FRANCE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 64 GERMANY: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 65 GERMANY: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 66 UK: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 67 UK: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 68 ITALY: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 69 ITALY: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 70 RUSSIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 71 RUSSIA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 72 REST OF EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)
- TABLE 73 REST OF EUROPE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)
- TABLE 74 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY, 2018–2025 (USD MILLION)
- TABLE 75 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY, 2018–2025 (THOUSAND UNITS)
- TABLE 76 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)
- TABLE 77 NORTH AMERICA: ROTODYNAMIC PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)
- TABLE 78 NORTH AMERICA: POSITIVE DISPLACEMENT PUMPS MARKET SIZE,

BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 79 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY HP, 2018–2025 (USD MILLION)

TABLE 80 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 81 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 82 NORTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE, 2018–2025 (USD MILLION)

TABLE 83 US: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 84 US: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 85 CANADA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 86 CANADA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 87 MEXICO: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 88 MEXICO: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 89 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (USD MILLION)

TABLE 90 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY COUNTRY/REGION, 2018–2025 (THOUSAND UNITS)

TABLE 91 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 92 SOUTH AMERICA: ROTODYNAMIC PUMPS MARKET SIZE , BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 93 SOUTH AMERICA: POSITIVE DISPLACEMENT PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 94 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE, 2018–2025 (USD MILLION)

TABLE 95 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 96 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 97 SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY HP, 2018–2025 (USD MILLION)

TABLE 98 BRAZIL: AGRICULTURAL PUMPS MARKET SIZE , BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 99 BRAZIL: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 100 ARGENTINA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 101 ARGENTINA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 102 CHILE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 103 CHILE: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 104 REST OF SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 105 REST OF SOUTH AMERICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 106 ROW: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (USD MILLION)

TABLE 107 ROW: AGRICULTURAL PUMPS MARKET SIZE, BY REGION, 2018–2025 (THOUSAND UNITS)

TABLE 108 ROW: AGRICULTURAL PUMPS MARKET SIZE, BY TYPE, 2018–2025 (USD MILLION)

TABLE 109 ROW: ROTODYNAMIC PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 110 ROW: POSITIVE DISPLACEMENT PUMPS MARKET SIZE, BY SUB-TYPE, 2018–2025 (USD MILLION)

TABLE 111 REST OF THE WORLD: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 112 REST OF THE WORLD: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 113 ROW: AGRICULTURAL PUMPS MARKET SIZE, BY END-USE, 2018–2025 (USD MILLION)

TABLE 114 MIDDLE EAST: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 115 MIDDLE EAST: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (THOUSAND UNITS)

TABLE 116 AFRICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE, 2018–2025 (USD MILLION)

TABLE 117 AFRICA: AGRICULTURAL PUMPS MARKET SIZE, BY POWER SOURCE,

2018–2025 (THOUSAND UNITS)

TABLE 118 NEW PRODUCT LAUNCHES, 2017–2018

TABLE 119 ACQUISITIONS, 2017–2020

TABLE 120 EXPANSIONS & INVESTMENTS, 2017

TABLE 121 CONTRACTS & AGREEMENTS, 2017

List Of Figures

LIST OF FIGURES

FIGURE 1 AGRICULTURAL PUMPS: MARKET SEGMENTATION

FIGURE 2 REGIONAL SEGMENTATION

FIGURE 3 RESEARCH DESIGN: AGRICULTURAL PUMPS MARKET

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 6 DATA TRIANGULATION METHODOLOGY

FIGURE 7 GLOBAL AGRICULTURAL PUMPS MARKET, 2018–2025 (USD MILLION)

FIGURE 8 THE ROTODYNAMICS PUMPS SEGMENT ACCOUNTED FOR A LARGER MARKET SHARE IN THE AGRICULTURAL PUMPS MARKET, 2020 VS. 2025

FIGURE 9 THE MARKET FOR AGRICULTURAL PUMPS IN THE RANGE OF 4-15 HP ACCOUNTS FOR THE LARGEST SHARE DURING THE FORECAST PERIOD

FIGURE 10 AVAILABILITY OF SUBSIDY FOR SOLAR PUMPS DRIVES THE GROWTH OF THE MARKET

FIGURE 11 THE IRRIGATION SEGMENT ACCOUNTED FOR THE LARGEST MARKET DURING THE FORECAST PERIOD

FIGURE 12 AGRICULTURAL PUMPS MARKET SNAPSHOT: ASIA PACIFIC ACCOUNTED FOR THE LARGEST SHARE, 2019 (USD MILLION)

FIGURE 13 INCREASING LAND BROUGHT UNDER IRRIGATION IS DRIVING THE MARKET FOR AGRICULTURAL PUMPS

FIGURE 14 THE ELECTRICITY GRID-CONNECTION SEGMENT ACCOUNTED FOR THE LARGEST SHARE IN THE AGRICULTURAL PUMPS MARKET IN 2019

FIGURE 15 ASIA PACIFIC: CHINA IS ONE OF THE LARGEST MARKETS FOR AGRICULTURAL PUMPS

FIGURE 16 4-15 HP PUMPS ARE WIDELY USED IN THE AGRICULTURAL SECTOR

FIGURE 17 THE IRRIGATION SEGMENT IS ESTIMATED TO ACCOUNT FOR THE LARGEST SHARE FOR AGRICULTURAL PUMPS IN 2019

FIGURE 18 CHINA ESTIMATED TO ACCOUNT FOR THE LARGEST MARKET IN THE AGRICULTURAL PUMPS MARKET IN 2019

FIGURE 19 SECTOR-WISE WATER WITHDRAWAL, BY REGION, 2017

FIGURE 20 GLOBAL SECTOR-WISE WATER WITHDRAWAL, 2018

FIGURE 21 LAND USE IN DEVELOPING COUNTRIES (MILLION HECTARES)

- FIGURE 22 MARKET DYNAMICS: AGRICULTURAL PUMPS
- FIGURE 23 LEVEL OF MECHANIZATION OF AGRICULTURE, BY COUNTRY, 2018
- FIGURE 24 LIFECYCLE COST BREAKUP OF A TYPICAL PUMP
- FIGURE 25 VALUE-CHAIN ANALYSIS
- FIGURE 26 KEY COUNTRY MARKETS FOR EXPORTS/IMPORT OF PUMPS
- FIGURE 27 THE ROTODYNAMIC PUMPS SEGMENT IS LEADING TO THE INCREASED DEMAND FOR AGRICULTURAL PUMPS
- FIGURE 28 THE ELECTRICITY GRID-CONNECTION SEGMENT IS LEADING TO THE INCREASED DEMAND FOR AGRICULTURAL PUMPS
- FIGURE 29 AGRICULTURAL PUMPS MARKET SIZE, BY HP (USD MILLION) 2020 VS. 2025
- FIGURE 30 AGRICULTURE PUMPS MARKET, BY END-USE, 2020 VS. 2025 (USD MILLION)
- FIGURE 31 KEY COUNTRY MARKETS FOR EXPORTS/IMPORT OF PUMPS, 2018 (TONS)
- FIGURE 32 CHINA IS PROJECTED TO GROW AT THE FASTEST RATE DURING THE FORECAST PERIOD
- FIGURE 33 ASIA PACIFIC: AGRICULTURE PUMPS MARKET SNAPSHOT, 2019
- FIGURE 34 EUROPE: AGRICULTURE PUMPS MARKET SNAPSHOT, 2019
- FIGURE 35 MARKET EVALUATION FRAMEWORK - 2017 WITNESSED MARKET EXPANSIONS AND CONSOLIDATION
- FIGURE 36 TOP FIVE MARKET PLAYERS HAVE DOMINATED THE MARKET IN THE LAST FIVE YEARS
- FIGURE 37 MARKET RANKING, AGRICULTURE PUMPS MARKET, 2019
- FIGURE 38 AGRICULTURAL PUMPS MARKET(GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2019
- FIGURE 39 GRUNDFOS: COMPANY SNAPSHOT
- FIGURE 40 GRUNDFOS: SWOT ANALYSIS
- FIGURE 41 XYLEM: COMPANY SNAPSHOT
- FIGURE 42 XYLEM: SWOT ANALYSIS
- FIGURE 43 LINDSAY CORPORATION: COMPANY SNAPSHOT
- FIGURE 44 LINDSAY CORPORATION: SWOT ANALYSIS
- FIGURE 45 VALMONT INDUSTRIES INC.: COMPANY SNAPSHOT
- FIGURE 46 VALMONT INDUSTRIES INC.: SWOT ANALYSIS
- FIGURE 47 JAIN IRRIGATION SYSTEMS LTD.: COMPANY SNAPSHOT
- FIGURE 48 JAIN IRRIGATION SYSTEMS LTD.: SWOT ANALYSIS
- FIGURE 49 FRANKLIN ELECTRIC: COMPANY SNAPSHOT
- FIGURE 50 FRANKLIN ELECTRIC: SWOT ANALYSIS

FIGURE 51 MAHINDRA EPC LTD.: COMPANY SNAPSHOT

FIGURE 52 FLOWSERVE: COMPANY SNAPSHOT

FIGURE 53 KSB: COMPANY SNAPSHOT

FIGURE 54 WILO: COMPANY SNAPSHOT

FIGURE 55 MONO: COMPANY SNAPSHOT

FIGURE 56 NATIONAL PUMP COMPANY: COMPANY SNAPSHOT

FIGURE 57 SHAKTI PUMPS: COMPANY SNAPSHOT

FIGURE 58 WEIR PUMPS: COMPANY SNAPSHOT

FIGURE 59 PENTAIR: COMPANY SNAPSHOT

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