

Stainless Steel Deep Well Submersible Pump

This 100QJD series stainless steel deep well submersible pump is designed for efficient water extraction from boreholes and wells. It is suitable for applications including irrigation, domestic water supply, and industrial use.



Overview

High-Efficiency Stainless Steel Deep Well Pump

The 100QJD series is a multi-stage submersible electric pump designed for high-performance water extraction from deep wells and boreholes. Constructed with a reinforced stainless steel casing and professional mechanical seals, it offers exceptional durability and corrosion resistance for demanding B2B applications. This energy-saving pump features an oil-filled motor for quiet operation and a full-floating impeller design to ensure reliable, high-strength performance across various water supply needs.

Performance Metrics

Key Performance Metrics

100 m

Max Diving Depth

35 °C

Max Liquid Temp

2850 r/min

Rated Speed

Technical Specifications

Construction Materials

- Reinforced stainless steel pump case
- Full floating multi-level impellers
- Professional mechanical seal
- Oil-filled soundproof motor
- Expandable oil capsule for pressure adjustment

Power Supply Options

Single-phase 220V/50Hz, Three-phase 380V/50Hz, 60Hz Available

Operation Conditions

Operating Limits

- Maximum sand content: 0.25%
- PH value range: 6.5 - 8.5
- Minimum diving depth: 5m
- Voltage fluctuation: $\pm 10\%$ of rated value

Applications

Primary Applications

Deep Well Extraction • Agricultural Irrigation • Aquaculture Oxygenation • Urban Water Boosting • Mine Water Supply • Food & Chemical Industry

Model Comparison



Detailed performance curves and technical parameters for the 100QJD stainless steel pump series.

100QJD Series Selection Guide

Model	Power (kW)	Outlet Size	Max Head (m)
100QJD2-46/8	0.37	1.25"	58
100QJD2-188/32	2.2	1.25"	256
100QJD4-101/22	2.2	1.5"	153
100QJD6-84/20	2.2	2"	128
100QJD8-67/18	2.2	2"	107

Safety & Control

Control & Protection

- Integrated check valve to prevent backflow
- Compatible with manual control boxes
- Compatible with digital automatic control boxes
- Internal or External capacitance options
- Overload protection via control box