

Stainless Steel Deep Well Submersible Pump

This stainless steel deep well submersible pump is designed for efficient water extraction from deep wells. Constructed from durable stainless steel, these pumps are corrosion-resistant and suitable for various applications, including irrigation, domestic water supply, and industrial use.



Overview

High-Efficiency Stainless Steel Submersible Pump

The 3SDY series is a multi-stage stainless steel deep well submersible pump designed for high-efficiency water extraction and long-distance delivery. Featuring a reinforced stainless steel case and an oil-filled motor, it offers quiet operation and durability in demanding environments. This versatile pump is ideal for applications ranging from agricultural irrigation and aquaculture to urban water boosting and industrial chemical liquid transport.

Performance Metrics

Key Performance Stats

1.5 kW

Max Power

100 m

Max Diving Depth

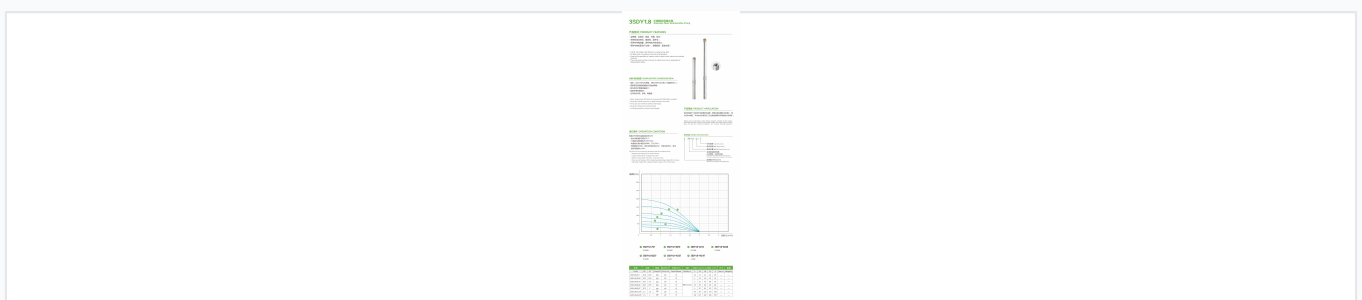
142 m

Rated Lift

1.8 m³/h

Rated Flow

Technical Specifications



Model Performance Comparison

Model	Power (kW)	Rated Lift (m)	Impeller Stages
3SDY1.8-21/7	0.18	21	7
3SDY1.8-42/14	0.37	42	14
3SDY1.8-82/27	0.75	82	27
3SDY1.8-142/47	1.5	142	47

Construction & Design

Material Features

Reinforced Stainless Steel Case, Full Floating Impeller, Professional Mechanical Seal, Oil-Filled Motor, Expandable Oil Capsule

Electrical Data

Voltage Options

- Single-phase 220V / 50Hz
- Three-phase 380V / 50Hz
- 60Hz available upon request
- Voltage fluctuation range: $\pm 10\%$

Operating Conditions

Max Liquid Temperature	35 °C
Max Media Particle Size	0.25 %
Diving Depth Range	5m to 100m

Applications

Primary Applications

Deep Well Extraction • Agricultural Irrigation • Aquaculture Oxygenation • Urban Water Booster • Mine Water Supply • Chemical Liquid Delivery

Physical Dimensions

Outlet Size	1.0 inch
External Diameter	72 mm

Control & Protection

Control Box Compatibility

- Manual Control Box
- Digital Automatic Control Box