

# 3-Inch Submersible Deep Well Water Pump

This submersible pump is designed for water supply from wells or reservoirs, and is also suitable for domestic, civil, and industrial applications. It can be used for garden use and irrigation.



## Overview

### High-Efficiency 3-Inch Submersible Deep Well Pump

This 3-inch submersible pump is engineered for reliable water extraction from deep wells and reservoirs, making it ideal for domestic, civil, and industrial applications. Built with a durable 304 stainless steel shaft and 100% copper wiring, it ensures long-term performance and high electrical efficiency even in demanding environments. Its versatile design supports garden irrigation and general water supply with a focus on durability and ease of maintenance.

## Key Metrics

### Performance Highlights

**3 inch**

Minimum Well Diameter

**1.5 kW**

Max Power Output

**35 °C**

Max Fluid Temp

## Technical Specifications

### Operating Conditions

- Maximum fluid temperature: +35°C
- Maximum sand content: 0.25%
- pH permissible range: 6.5 - 8.5
- Minimum well diameter: 3"

## Motor & Construction

### Motor Features

- Rewindable motor filled with food-grade edible oil
- 100% Copper wire winding for longevity
- 304# Stainless steel shaft for corrosion resistance
- PC/POM high-efficiency floating impellers
- Brass or SS304 inlet and outlet options

## Electrical Data

### Available Voltages

Single-phase: 220V-240V / 50Hz, Three-phase: 380V-415V / 50Hz, Optional 60Hz available

## Performance Data

### PERFORMANCE DATA 50Hz

MODEL	POWER (P2)	DELIVERY										
		Q (l/min)	Q (m <sup>3</sup> /h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4
3SDM2/8	0.18	0.25	35	34	34	33	32	29	26	22	17	11
3SDM2/11	0.25	0.33	48	47	47	46	44	40	36	30	24	15
3SDM2/15	0.37	0.5	65	64	64	63	60	55	49	41	33	21
3SDM2/21	0.55	0.75	91	90	90	88	84	77	68	58	48	29
3SDM2/27	0.75	1	117	116	115	113	107	99	88	75	59	38
3SDM2/33	0.92	1.25	143	142	141	138	131	121	107	91	72	46
3SDM2/38	1.1	1.5	164	163	163	158	151	139	124	105	82	53
3SDM2/46	1.5	2	199	198	197	192	183	168	150	127	100	65

  

MODEL	DN	DIMENSIONS(MM)					WEIGHT(KG)				
		P	M <sub>0</sub>	M <sub>1</sub>	T <sub>0</sub>	T <sub>1</sub>	P	M <sub>0</sub>	M <sub>1</sub>	T <sub>0</sub>	T <sub>1</sub>
3SDM2/8	1" (1 1/2")	377	288	288	665	665	1.8	4.0	4.0	5.8	5.8
3SDM2/11	1" (1 1/2")	444	308	288	752	752	2.1	4.8	4.0	6.9	6.1
3SDM2/15	1" (1 1/2")	555	338	308	873	873	2.4	5.6	4.8	8.0	7.2
3SDM2/21	1" (1 1/2")	694	368	338	1062	1062	3.2	6.4	5.6	9.6	8.8
3SDM2/27	1" (1 1/2")	830	408	368	1238	1198	3.5	7.5	6.4	11.0	9.9
3SDM2/33	1" (1 1/2")	966	448	408	1414	1375	4.3	8.7	7.5	13.0	11.8
3SDM2/38	1" (1 1/2")	1101	493	448	1591	1549	4.9	10.0	8.7	14.9	13.6
3SDM2/46	1" (1 1/2")	1306	543	493	1849	1799	5.8	11.3	10.0	17.1	15.8

Comprehensive performance curves and physical dimensions for various 3SDM2 pump models.

### Model Performance Comparison (50Hz)

Model	Power (kW)	Power (HP)	Max Head (m)	Weight (kg)
3SDM2/8	0.18	0.25	35	5.8
3SDM2/11	0.25	0.33	48	6.9
3SDM2/15	0.37	0.5	65	8
3SDM2/21	0.55	0.75	91	9.6
3SDM2/27	0.75	1	117	11
3SDM2/33	0.92	1.25	143	13
3SDM2/38	1.1	1.5	164	14.9
3SDM2/46	1.5	2	199	17.1

## Compliance & Warranty

### Certifications

CE • ISO9001:2008

### Warranty

1 Year (subject to general sales conditions)

## Applications

### Recommended Use

- Water supply from wells or reservoirs
- Domestic water systems
- Civil and industrial water distribution
- Garden irrigation and agricultural use