

4" Submersible Deep Well Water Pump

This 4" submersible pump is designed for water supply from wells or reservoirs. It is suitable for domestic, civil, industrial, garden use and irrigation applications.



Product Overview

High-Performance 4" Submersible Deep Well Pump

This 4-inch submersible pump is engineered for reliable water supply from deep wells and reservoirs, making it ideal for domestic, civil, and industrial applications. Featuring a 304# stainless steel shaft and a 100% copper wire motor, it ensures long-term durability and efficient power transmission. The oil-filled motor design provides superior cooling and lubrication, while the floating impeller system handles sand content up to 0.25%.

Technical Performance

PERFORMANCE DATA 50Hz:

MODEL		POWER (P2)		DELIVERY																											
1-220-240V	3-380-415V	KW	HP	n=2850 l/min																											
				Q	H (m)																										
				m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	0	5	10	15	20	25	30	35	40	45	50	55			
4SDM2/7	4SD2/7	0.25	0.33	49	49	48	47	46	44	41	38	35	30	26	21	105	104	103	101	98	94	88	82	74	65	55	45				
4SDM2/9	4SD2/9	0.37	0.5	63	62	62	61	59	56	53	49	44	39	33	27	127	125	124	122	118	112	106	98	89	78	66	54				
4SDM2/12	4SD2/12	0.55	0.75	84	83	82	81	79	75	70	65	59	52	44	36	148	146	144	142	138	131	123	114	104	91	77	63				
4SDM2/15	4SD2/15	0.75	1	105	104	103	101	98	94	88	82	74	65	55	45	169	167	165	162	157	150	141	131	119	104	88	72				
4SDM2/18	4SD2/18	0.92	1.25	127	125	124	122	118	112	106	98	89	78	66	54	197	194	192	189	184	175	164	152	138	122	103	84				
4SDM2/21	4SD2/21	1.1	1.5	148	146	144	142	138	131	123	114	104	91	77	63	225	222	220	216	210	200	188	174	158	139	118	96				
4SDM2/24	4SD2/24	1.3	1.75	169	167	165	162	157	150	141	131	119	104	88	72	260	257	254	250	243	231	217	201	183	161	136	111				
4SDM2/28	4SD2/28	1.5	2	197	194	192	189	184	175	164	152	138	122	103	84	295	292	289	284	275	262	247	229	208	182	155	126				
4SDM2/32	4SD2/32	1.8	2.5	225	222	220	216	210	200	188	174	158	139	118	96	-	4SD2/47	3	4	330	326	323	318	308	293	276	256	232	204	173	141
4SDM2/37	4SD2/37	2.2	3	260	257	254	250	243	231	217	201	183	161	136	111	-	4SD2/52	3.7	5	365	361	357	351	341	325	305	283	257	226	192	156
4SDM2/42	4SD2/42	2.6	3.5	295	292	289	284	275	262	247	229	208	182	155	126	-	4SD2/58	4	5.5	408	403	399	392	380	362	362	316	287	252	214	174
-	4SD2/47	3	4	330	326	323	318	308	293	276	256	232	204	173	141	-	4SD2/64	5	7	450	444	440	432	420	400	400	348	316	278	236	192
-	4SD2/52	3.7	5	365	361	357	351	341	325	305	283	257	226	192	156	-	4SD2/70	5.5	7.5	492	486	481	473	459	437	437	381	346	304	258	210
-	4SD2/58	4	5.5	408	403	399	392	380	362	362	316	287	252	214	174	-															
-	4SD2/64	5	7	450	444	440	432	420	400	400	348	316	278	236	192	-															
-	4SD2/70	5.5	7.5	492	486	481	473	459	437	437	381	346	304	258	210	-															

Detailed performance curves and technical data for various 4SDM2 pump models at 50Hz.

PERFORMANCE DATA 50Hz:

MODEL		POWER (P2)		DELIVERY																											
1-220-240V	3-380-415V	KW	HP	n=2850 l/min																											
				Q	H (m)																										
				m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	0	5	10	15	20	25	30	35	40	45	50	55			
4SDM2/7	4SD2/7	0.25	0.33	49	49	48	47	46	44	41	38	35	30	26	21	105	104	103	101	98	94	88	82	74	65	55	45				
4SDM2/9	4SD2/9	0.37	0.5	63	62	62	61	59	56	53	49	44	39	33	27	127	125	124	122	118	112	106	98	89	78	66	54				
4SDM2/12	4SD2/12	0.55	0.75	84	83	82	81	79	75	70	65	59	52	44	36	148	146	144	142	138	131	123	114	104	91	77	63				
4SDM2/15	4SD2/15	0.75	1	105	104	103	101	98	94	88	82	74	65	55	45	169	167	165	162	157	150	141	131	119	104	88	72				
4SDM2/18	4SD2/18	0.92	1.25	127	125	124	122	118	112	106	98	89	78	66	54	197	194	192	189	184	175	164	152	138	122	103	84				
4SDM2/21	4SD2/21	1.1	1.5	148	146	144	142	138	131	123	114	104	91	77	63	225	222	220	216	210	200	188	174	158	139	118	96				
4SDM2/24	4SD2/24	1.3	1.75	169	167	165	162	157	150	141	131	119	104	88	72	260	257	254	250	243	231	217	201	183	161	136	111				
4SDM2/28	4SD2/28	1.5	2	197	194	192	189	184	175	164	152	138	122	103	84	295	292	289	284	275	262	247	229	208	182	155	126				
4SDM2/32	4SD2/32	1.8	2.5	225	222	220	216	210	200	188	174	158	139	118	96	-	4SD2/47	3	4	330	326	323	318	308	293	276	256	232	204	173	141
4SDM2/37	4SD2/37	2.2	3	260	257	254	250	243	231	217	201	183	161	136	111	-	4SD2/52	3.7	5	365	361	357	351	341	325	305	283	257	226	192	156
4SDM2/42	4SD2/42	2.6	3.5	295	292	289	284	275	262	247	229	208	182	155	126	-	4SD2/58	4	5.5	408	403	399	392	380	362	362	316	287	252	214	174
-	4SD2/47	3	4	330	326	323	318	308	293	276	256	232	204	173	141	-	4SD2/64	5	7	450	444	440	432	420	400	400	348	316	278	236	192
-	4SD2/52	3.7	5	365	361	357	351	341	325	305	283	257	226	192	156	-	4SD2/70	5.5	7.5	492	486	481	473	459	437	437	381	346	304	258	210
-	4SD2/58	4	5.5	408	403	399	392	380	362	362	316	287	252	214	174	-															
-	4SD2/64	5	7	450	444	440	432	420	400	400	348	316	278	236	192	-															
-	4SD2/70	5.5	7.5	492	486	481	473	459	437	437	381	346	304	258	210	-															

Comprehensive model comparison including power consumption and delivery head values.

Key Performance Metrics

4 inch

Min. Well Diameter

2850 RPM

Rotational Speed

35 °C

Max Fluid Temp

0.25 %

Max Sand Content

Protection & Control

- Built-in capacitor
- Current mode thermal protector
- Digital auto-control box compatible

Motor & Electrical

Voltage Configurations

- Single-phase: 220V - 240V / 50Hz
- Three-phase: 380V - 415V / 50Hz
- 60Hz options available on request

Motor Design

Rewindable motor, filled with edible oil

Construction Materials

Component Materials

Component	Material
Shaft	304# Stainless Steel
Motor Wire	100% Copper
Impeller	PC / POM (Floating Type)
Inlet/Outlet	Brass (SS304 Optional)
Oil Chamber	Brass or SS304

Applications

Recommended Applications

Deep Well Water Supply, Domestic Water Use, Civil Applications, Industrial Water Supply, Garden Irrigation

Compliance & Warranty

Certifications

CE • ISO9001:2008 • ISO 9906 Compliant

Warranty

1 Year (subject to general sales conditions)

Operating Limits

Permissible pH Range

6.5 - 8.5