



Shining Reputation of Reliability

# Dewatering Submersible Pump



## PRODUCT OVERVIEW

- Sando Dewatering drainage electric submersible pumps are designed for hard-to-reach areas.
- Lightweight design ensures easy handling and installation.
- Pump & motor mounted on a single shaft for efficiency.
- Vertical construction helps remove maximum dirty water from pits.
- Low Maintenance cost and easy repair with longer service life.

## TECHNICAL SPECIFICATION

<b>Motor Type</b>	Two Pole Continuous Duty Squirrel Cage Induction Motor
<b>Speed</b>	3000 RPM
<b>Connection</b>	DOL (Star Delta Optional)
<b>Range</b>	1.0 H.P. to 50.0 H.P.
<b>Temperature</b>	Ambient (Higher temp available on request)
<b>Voltage</b>	220V (1 Phase, 50 Hz)
<b>Insulation</b>	415V (3 Phase, 50 Hz)
<b>Class 'F'</b>	IP-68
<b>Protection</b>	IP-68

\*Optional: SS, Aluminium, Bronze available on request

## MATERIAL OF CONSTRUCTION

- |                         |                   |
|-------------------------|-------------------|
| ● <b>Motor Body</b>     |                   |
| ● <b>Cooling Jacket</b> | S.S. 202          |
| ● <b>Bypass</b>         | C.I. IS 210 FG260 |
| ● <b>Shaft</b>          | S.S. 410          |
| ● <b>Impeller</b>       | C.I. IS 210 FG260 |
| ● <b>Strainer</b>       | S.S.              |
| ● <b>Fasteners</b>      | S.S.              |

\*Optional: SS, Aluminium, Bronze available

## APPLICATIONS

- Building & Construction
- Quarries
- Industries
- Underground Utilities
- Mining
- Tunneling
- Flood Relief
- Dry Dock / Offshore
- Power / Steel Plant

## PERFORMANCE

- **Speed:** 2900 RPM

# PERFORMANCE TABLE

MODEL	H.P.	DEL. SIZE	HEAD IN METERS													SHUT OFF	
			2	4	6	8	10	12	14	16	18	20	24	28	32		
SD 121	1.0	50	400	352	204	240	144										12
SD 151.5	1.5	50	800	660	460	160											9
SD 121.5	1.5	50	470	430	385	335	270	180	70								15
SD 152	2.0	50	900	800	625	440											10
SD 152	2.0	50	550	525	485	437	380	312	225	125							18
SD 153	3.0	75	950	880	605	700	660	490	370	260	125						20
SD 123	3.0	50		400	385	370	380	340	325	300	270	250	175	65			30
SD 123	5.0	100		2200	3800	1760	1400	920	200								30
SD 205	5.0	75		1100	1070	1050	1000	930	820	675	590	240					22
SD 205	5.0	50		750	720	690	650	615	580	525	480	420	270	105			30
SD 207.5	7.5	100		2400	2250	2100	1800	1400	800								16
SD 157.5	7.5	75		1375	1305	1250	1180	1125	1045	965	875	750	500	170			30
SD 3010	10.0	150	4200	3900	3800	3300	2700	2000	1200								16
SD 3012.5	12.5	150		4500	4200	3850	3400	2800	2100	1150							18
SD 3015	15.0	150		4500	4750	3950	3650	3350	3000	2600	2200	1800	950				28
SD 3020	20.0	150		5000	4750	4500	4250	4000	3750	3400	3100	2750	2000	1200	400		34
SD 3025	25.0	200			6750	6300	5925	3300	4500	3750	2550	1500					34
SD 3530	30.0	200				7125	6750	6300	5700	5150	4125	3000	675				25
SD 3535	35.0	200				7650	7275	6900	6525	6000	5400	4725	3000				28
				<b>4</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>20</b>	<b>24</b>	<b>28</b>	<b>32</b>	<b>36</b>	<b>40</b>	<b>45</b>	<b>50</b>	<b>55</b>	
SD 1510	10.0	75	2400	2200	2000	1750	1400	1000	500								32
SD 1510	10.0	100	2400	2200	2000	1750	1400	1000	500								32
SD 2012.5	12.5	100	2500	2350	2150	1950	1700	1400	1000	550							36
SD 2015	15.0	100	2800	2640	2400	2175	1950	1700	1400	1100	750	350					43
SD 2020	20.0	100		2640	2550	2400	2220	2400	1860	1620	1380	1060	660	180			52
SD 2525	25.0	150			3800	3500	3150	2800	2400	2000	1600	1100	450				48
SD 2530	30.0	150			4000	3800	3500	3200	2800	2500	2100	1700	1100	500			54
SD 2535	35.0	150			4400	4200	3900	3650	3300	3000	2600	2200	1650	1050	550		60
				<b>5</b>	<b>10</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	
SD 3540	40.0	150	7100	6350	5550	4550	3350	1775									35
SD 3540	50.0	150	8000	7350	6550	5650	4700	3650	2334	1334							45
SD 3040	40.0	150	4200	4000	3770	3550	3310	3000	2640	2300	1650	1350	650				60
SD 3050	50.0	150		4500	4750	4100	3840	3625	2350	3050	2640	2350	1890	1400	700		70