



FROG PUMP INDUSTRY

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SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

2SD Series

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2SD Series

APPLICATIONS

- Water supply from wells or reservoirs
- livestock watering, dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

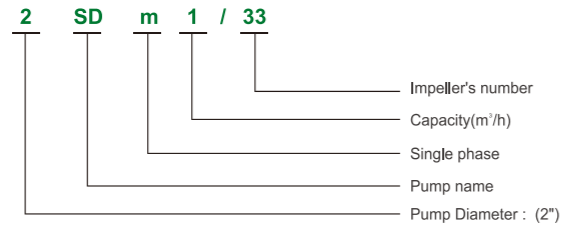
- Flow: up to 1.5m³/h (25L/min)
- Head: up to 47m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand: 0.3%

MOTOR AND PUMP

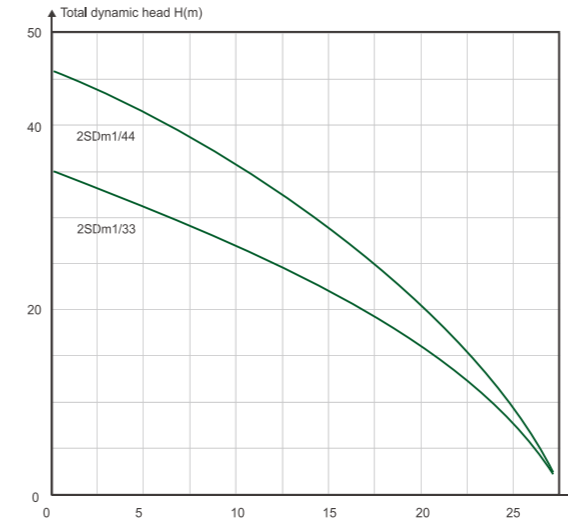
- Oil filled rewindable motor
- Maximum immersion depth: 80m
- Horse Power range: 0.33HP(0.25kw) – 0.5HP(0.37kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY: 1 YEAR

- (According to our general sales conditions).



COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N ≈ 2850r/min						
	KW	HP		DN	Q	H(m)				
1~220V-240V				m³/h	0	0.5	0.8	1	1.2	1.5
				l/min	0	8	13	17	20	25
2SDm1/33	0.25	0.33	3/4"		34	28	24	21	17	3
2SDm1/44	0.37	0.5	3/4"		47	36	31	27	23	5

PACKAGING INFORMATION

Model	Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
2SDm1/33-0.25		109x6x6	3	46x6x7.5	4.5		
2SDm1/44-0.37		142x6x6	4	51x6x7.5	5		

3SD Strong Anti-sand Series

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3SD Strong Anti-sand Series

APPLICATIONS

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OPERATING CONDITONS

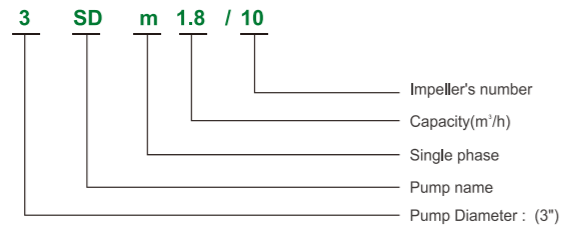
- Flow: up to 5.4m³/h (90L/min)
- Head: up to 151m
- Maximum water temperature: 35°C
- Maximum allowable amount of sand: 1.5%

MOTOR AND PUMP

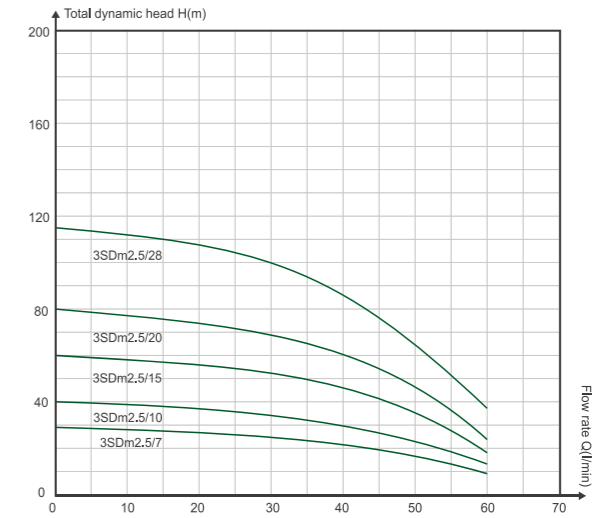
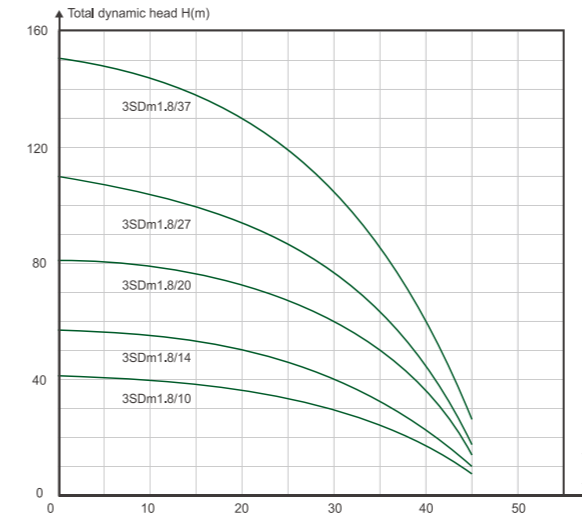
- Oil filled rewindable motor
- Maximum immersion depth: 100m
- Horse Power range: 0.33HP(0.25kw) -- 2HP(1.5 kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



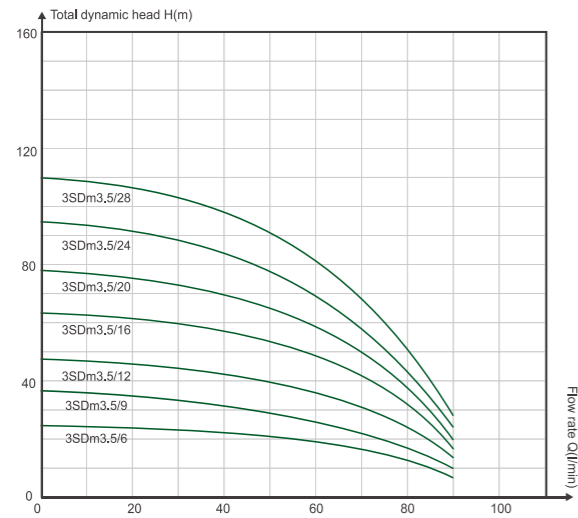
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Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil



PERFORMANCE TABLE:

Type	Motor power		Outlet DN	Delivery N=2850r/min																			
	KW	HP		Q m³/h / l/min																			
1~220V-240V				0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6							
3SDm1.8/10	0.25	0.33	1"	0	5	10	15	20	25	30	35	40	45	41	40	39	36	36	32	29	25	16	7
3SDm1.8/14	0.37	0.5	1"	41	40	39	36	36	32	29	25	16	7	57	56	54	51	50	45	40	35	23	10
3SDm1.8/20	0.55	0.75	1"	57	56	54	51	50	45	40	35	23	10	81	80	78	73	71	64	57	50	32	14
3SDm1.8/27	0.75	1	1"	81	80	78	73	71	64	57	50	32	14	110	108	105	98	96	87	77	67	43	18
3SDm1.8/37	1.1	1.5	1"	110	108	105	98	96	87	77	67	43	18	151	148	144	134	132	119	105	92	60	25

Type	Motor power		Outlet DN	Delivery N=2850r/min																
	KW	HP		Q m³/h / l/min																
1~220V-240V				0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6				
3SDm2.5/7	0.25	0.33	1.25"	0	5	10	15	20	25	30	35	40	45	50	55	60				
3SDm2.5/10	0.37	0.5	1.25"	29	28	27	26	25	25	24	23	21	18	16	11	8				
3SDm2.5/15	0.55	0.75	1.25"	40	39	38	37	36	35	34	32	29	26	22	16	12				
3SDm2.5/20	0.75	1	1.25"	60	59	58	57	55	53	51	48	44	39	33	25	17				
3SDm2.5/28	1.1	1.5	1.25"	80	79	78	76	74	71	69	65	59	53	44	33	23				
				115	113	113	110	107	103	99	93	85	76	63	48	33				



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Type	Motor power		Outlet DN	Delivery N≈2850r/min																																																				
	KW	HP		Q	H(m)																																																			
1~220V-240V				m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	0	10	20	30	40	50	60	70	80	90																																
3SDm3.5/6	0.25	0.33	1.25"	l/min	24	24	23	23	22	20	18	15	11	7	24	36	48	64	80	96	112	24	35	47	63	79	94	111																												
3SDm3.5/9	0.37	0.5	1.25"		36	35	34	34	32	30	26	22	17	8	48	64	80	96	112	36	47	63	79	94	111	35	46	62	78	93	110																									
3SDm3.5/12	0.55	0.75	1.25"		48	47	46	46	44	41	36	30	23	13	64	80	96	112	47	63	79	94	110	46	62	78	93	109	46	61	77	92	108																							
3SDm3.5/16	0.75	1	1.25"		64	63	62	61	59	55	49	41	32	18	80	96	112	63	79	94	110	62	78	93	109	61	77	92	108	59	75	90	106																							
3SDm3.5/20	0.92	1.25	1.25"		80	79	78	76	73	68	61	51	40	23	96	112	79	94	110	78	93	109	77	92	108	76	91	107	73	89	105																									
3SDm3.5/24	1.1	1.5	1.25"		96	94	93	91	86	80	71	60	46	29	112	94	110	93	109	91	107	90	106	89	105	86	102	80	96	112																										
3SDm3.5/28	1.5	2	1.25"		112	111	110	107	103	96	85	74	55	34		111	107	103	96	85	74	55	34	110	106	102	98	94	90	107	103	99	95	91	87	83	79	75	71	67	63	59	55	51	47	43	39	35	31	27	23	19	15	11	7	3

PACKAGING INFORMATION

Model	Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
3SDm1.8/10-0.25						78*11*11.5	8.3
3SDm1.8/14-0.37						94*11*11.5	10
3SDm1.8/20-0.55						113*11*11.5	10.96
3SDm1.8/27-0.75						137*11*11.5	13.72
3SDm1.8/37-1.1						171*11*11.5	17.22

Model	Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
3SDm2.5/7-0.25						74*11*11.5	7.9
3SDm2.5/10-0.37						85*11*11.5	9
3SDm2.5/15-0.55						105*11*11.5	11.3
3SDm2.5/20-0.75						124*11*11.5	13.55
3SDm2.5/28-1.1						156*11*11.5	16.85

Model	Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
3SDm3.5/6-0.25						74*11*11.5	7.68
3SDm3.5/9-0.37						86*11*11.5	9.18
3SDm3.5/12-0.55						102*11*11.5	11.16
3SDm3.5/16-0.75						120*11*11.5	13.32
3SDm3.5/20-0.92						134*11*11.5	14.62
3SDm3.5/24-1.1						154*11*11.5	16.66
3SDm3.5/28-1.5						172*11*11.5	18.9