



FROG PUMP INDUSTRY

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SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

ISO9001:2015 CE  

SINCE
1988
SUBMERSIBLE PUMP



ABOUT FROG

HISTORY

Focus on deep well pump for 35 years. Now FROG becomes China's **No.1** brand of deep well pump.

SCALE

Covers working area of **80000** m², more than 800 employees.

TECHNOLOGIES

In China firstly invented ceramic anti - sand technology. In China firstly invented wide voltage technology. In China created the world record of the highest delivery head of 4-inch deep well pump.

CERTIFICATION

ISO9001, ISO14001, GB / T28001 management system certification; CE, TUV, SON, GS quality certification.

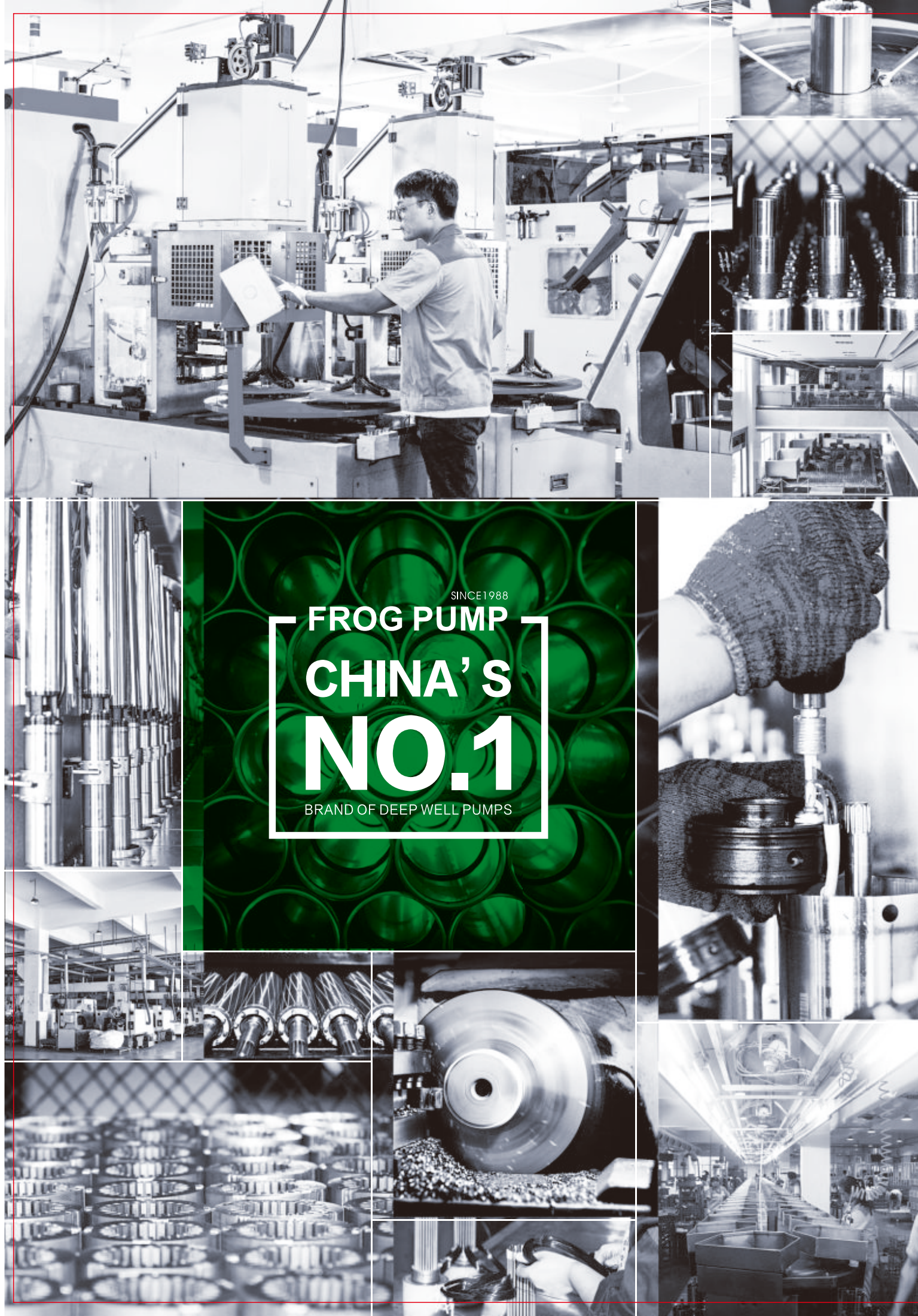
GOAL

To be the expert and leader of deep well pump in the world.

SALES

Keeps **No.1** sales volume in domestic market for 10 years continuously. Export to more than 80 countries. FROG trademark is registered in over 110 countries.





CONTENTS

SUBMERSIBLE PUMP



2SD

Series 01



3SD

Strong Anti-sand Series 05



4SD(SS)

Strong Anti-sand Series 12



4SF

Strong Anti-sand Series 26



5QJ(SS)

Strong Anti-sand Series 40



6SP

Series 46



QG

Series 53



2.5SD

Series 03



3.5SD(QJ)

Series 09



4QJ

Series 21



4SP

Series 35



6SR

Series 43



4DN

Series 51



4SK

Series 55

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

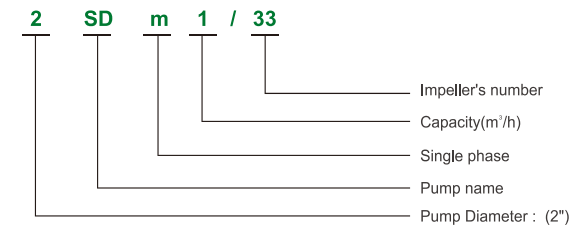
- Flow: up to 1.5m³/h (25L/min)
- Head: up to 47m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

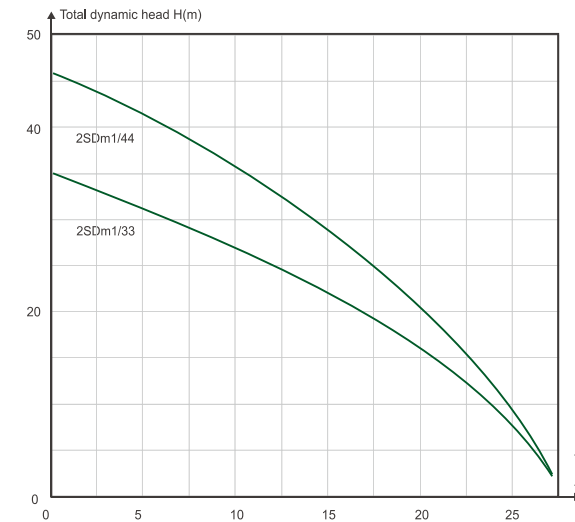
- Oil filled rewindable motor
- Maximum immersion depth: 80m
- Horse Power range: 0.33HP(0.25kw) – 0.5HP(0.37kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

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
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		Outelt	Delivery N = 2850r/min						
1~220V-240V	KW	HP	DN	Q m³/h l/min	0	0.5	0.8	1	1.2	1.5
2SDm1/33	0.25	0.33	3/4"	H(m)	0	8	13	17	20	25
2SDm1/44	0.37	0.5	3/4"		34	28	24	21	17	3
					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		

2.5SD Series

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2.5SD Series

APPLICATIONS

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

OPERATING CONDITONS

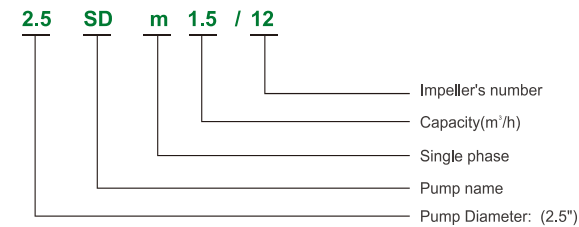
- Flow: up to 2.4m³/h (40L/min)
- Head: up to 88m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

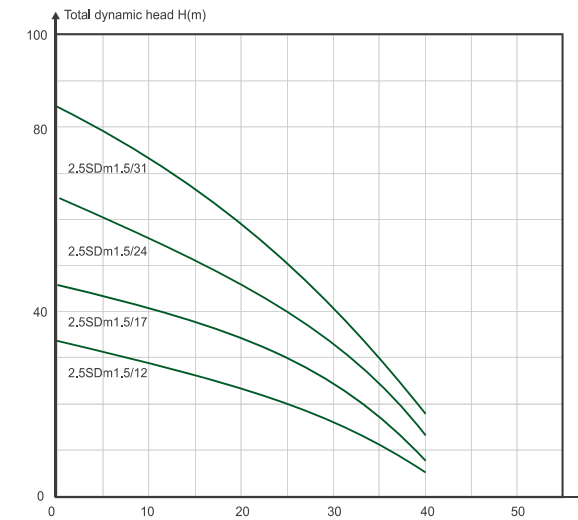
- Oil filled rewindable motor
- Maximum immersion depth: 80m
- Horse Power range: 0.25HP(0.18kw) – 0.75HP(0.55kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

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
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											
1~220V-240V	KW	HP	DN	Q m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4		
2.5SDm1.5/12	0.18	0.25	1"	H(m)	0	5	10	15	20	25	30	35	40		
2.5SDm1.5/17	0.25	0.33	1"		33	31	29	27	25	21	18	13	6		
2.5SDm1.5/24	0.37	0.5	1"		48	45	42	39	36	31	27	20	7		
2.5SDm1.5/31	0.55	0.75	1"		67	63	59	55	51	44	37	26	13		
					88	82	77	72	65	57	48	35	17		

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)
2.5SDm1.5/12-0.18						83x9.5x10	6.88
2.5SDm1.5/17-0.25						99x9.5x10	13.42
2.5SDm1.5/24-0.37						125x9.5x10	10.12
2.5SDm1.5/31-0.55						147x9.5x10	11.8

3SD Strong Anti-sand Series

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3SD Strong Anti-sand Series

APPLICATIONS

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

OPERATING CONDITONS

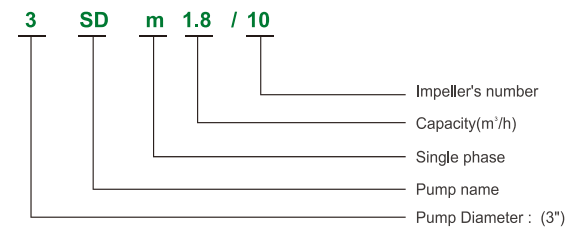
- Flow: up to 5.4m³/h (90L/min)
- Head: up to 151m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 15000 g/m³ (1.5%)

MOTOR AND PUMP

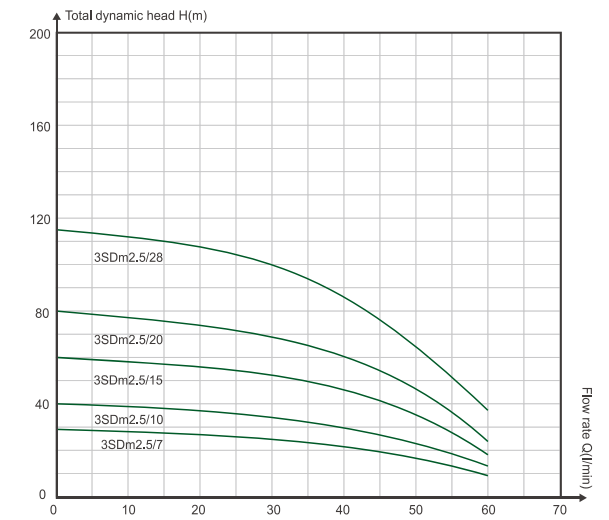
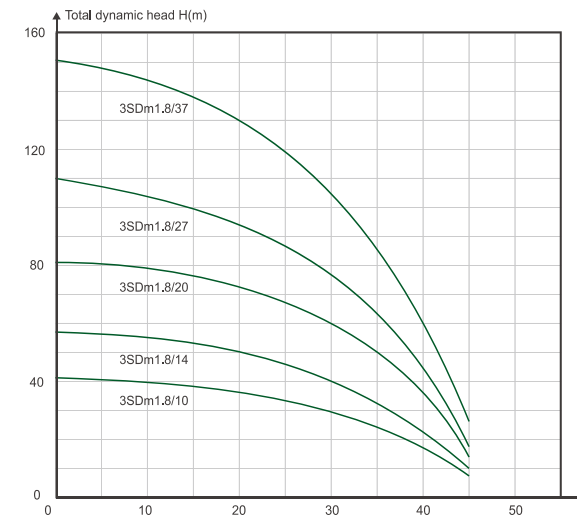
- Oil filled rewindable motor
- Maximum immersion depth: 100m
- Horse Power range: 0.33HP(0.25kw) – 2HP(1.5 kw)
- Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



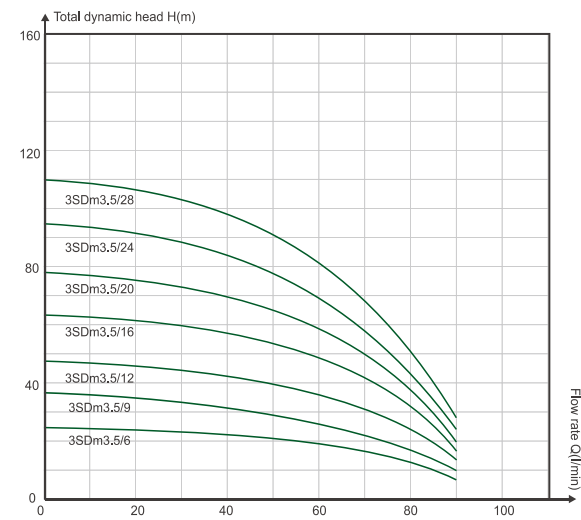
COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing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



PERFORMANCE TABLE:

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

Type	Motor power		Outlet	Delivery N≈2850r/min													
1~220V-240V	KW	HP	DN	Q m³/h l/min	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"	H(m)	29	28	27	26	25	25	24	23	21	18	16	11	8
3SDm2.5/10	0.37	0.5	1.25"		40	39	38	37	36	35	34	32	29	26	22	16	12
3SDm2.5/15	0.55	0.75	1.25"		60	59	58	57	55	53	51	48	44	39	33	25	17
3SDm2.5/20	0.75	1	1.25"		80	79	78	76	74	71	69	65	59	53	44	33	23
3SDm2.5/28	1.1	1.5	1.25"		115	113	113	110	107	103	99	93	85	76	63	48	33



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min											
1~220V-240V	KW	HP	DN	Q	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
					l/min	0	10	20	30	40	50	60	70	80	90
3SDm3.5/6	0.25	0.33	1.25"	H(m)		24	24	23	23	22	20	18	15	11	7
3SDm3.5/9	0.37	0.5	1.25"			36	35	34	34	32	30	26	22	17	8
3SDm3.5/12	0.55	0.75	1.25"			48	47	46	46	44	41	36	30	23	13
3SDm3.5/16	0.75	1	1.25"			64	63	62	61	59	55	49	41	32	18
3SDm3.5/20	0.92	1.25	1.25"			80	79	78	76	73	68	61	51	40	23
3SDm3.5/24	1.1	1.5	1.25"			96	94	93	91	86	80	71	60	46	29
3SDm3.5/28	1.5	2	1.25"			112	111	110	107	103	96	85	74	55	34

PACKAGING INFORMATION

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
3SDm1.8/6-0.18					67*11*11.5	6.78
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

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
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

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
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

3.5SD(QJ) Series

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APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

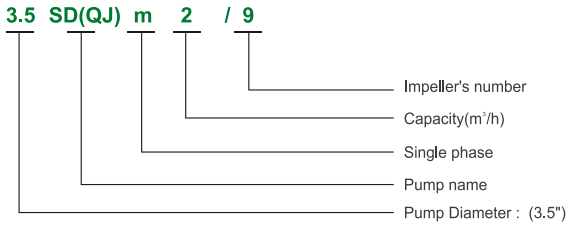
- Flow: up to 6m³/h (100L/min)
- Head: up to 157m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 20000 g/m³ (2.0%) (SD series)

MOTOR AND PUMP

- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.5HP(0.37kw) – 2HP(1.5kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- -Three phase 380-415V/50Hz
- Class of Insulation:B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



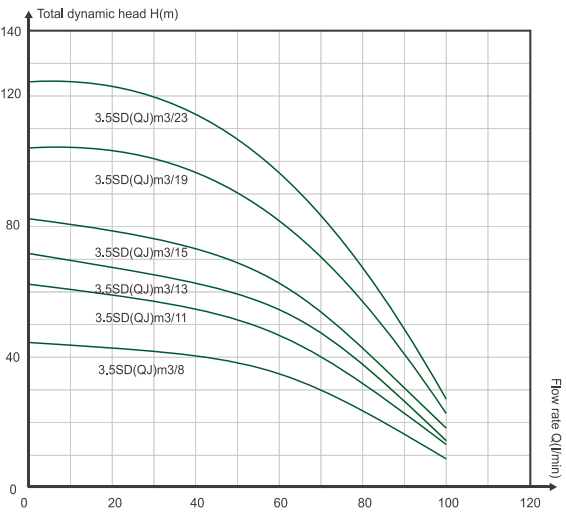
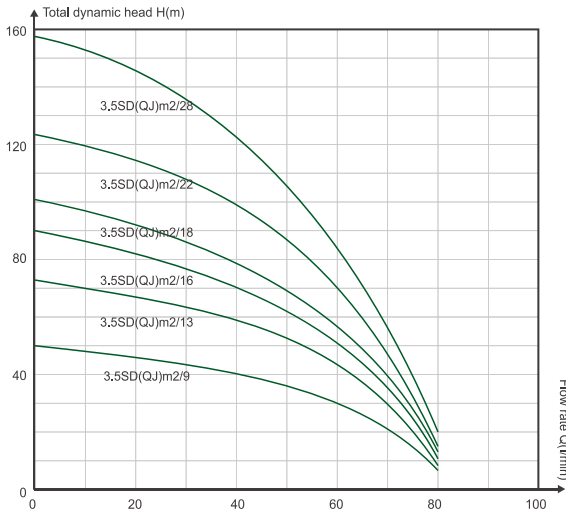
COMPONENTS	MATERIAL	MATERIAL
Pump casing	AISI 304SS/201SS	AISI 304SS/201SS
Outlet	Cast-Cu	Cast-iron
Inlet	Cast-Cu	Cast-iron
Strainer	AISI 304SS	AISI 304SS
Diffuser	PC	PC
Impeller	POM	POM
Pump shaft	AISI 304SS/201SS	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS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



3.5SD 3.5QJ

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

3.5SD(QJ) Series



PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	H(m)	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
3.5SD(QJ)m2/9	3.5SD(QJ)2/9	0.37	0.5	1.5"		H(m)	0	10	20	30	40	50	60	70	80
3.5SD(QJ)m2/13	3.5SD(QJ)2/13	0.55	0.75	1.5"			50	49	46	45	40	34	31	20	6
3.5SD(QJ)m2/16	3.5SD(QJ)2/16	0.75	1	1.5"			73	70	66	64	57	49	44	29	9
3.5SD(QJ)m2/18	3.5SD(QJ)2/18	0.95	1.3	1.5"			90	86	82	79	70	61	54	35	11
3.5SD(QJ)m2/22	3.5SD(QJ)2/22	1.1	1.5	1.5"			101	97	92	89	79	68	61	40	13
3.5SD(QJ)m2/28	3.5SD(QJ)2/28	1.5	2	1.5"			123	119	112	109	97	83	75	48	15
3.5SD(QJ)m2/28	3.5SD(QJ)2/28	1.5	2	1.5"			157	151	143	139	123	106	95	62	20

Type		Motor power		Outlet	Delivery N≈2850r/min											
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
						H(m)	0	10	20	30	40	50	60	70	80	90
3.5SD(QJ)m3/8	3.5SD(QJ)3/8	0.37	0.5	1.5"		44	43	43	42	39	37	33	30	24	16	9
3.5SD(QJ)m3/11	3.5SD(QJ)3/11	0.55	0.75	1.5"		62	61	59	58	54	50	45	40	33	22	13
3.5SD(QJ)m3/13	3.5SD(QJ)3/13	0.75	1	1.5"		72	71	69	68	64	59	53	47	39	26	15
3.5SD(QJ)m3/15	3.5SD(QJ)3/15	0.95	1.3	1.5"		82	81	79	78	74	68	62	55	45	30	18
3.5SD(QJ)m3/19	3.5SD(QJ)3/19	1.1	1.5	1.5"		103	102	100	100	93	87	78	70	57	38	23
3.5SD(QJ)m3/23	3.5SD(QJ)3/23	1.5	2	1.5"		124	123	121	120	113	105	95	84	69	46	27

3.5SD(QJ) Series

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CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

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FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SD(SS) Strong Anti-sand Series

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)
3.5QJm2/9-0.37						90*9*10	12.7
3.5QJm2/13-0.55						108*9*10	14.65
3.5QJm2/16-0.75						117*9*10	15.63
3.5QJm2/18-0.95						125*9*10	17
3.5QJm2/22-1.1						144*9*10	20
3.5QJm2/28-1.5						161*9*10	23.15

Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
3.5QJm3/8-0.37						92*9*10	12.7
3.5QJm3/11-0.55						108*9*10	14.65
3.5QJm3/13-0.75						116*9*10	15.63
3.5QJm3/15-0.95						124*9*10	17
3.5QJm3/19-1.1						142*9*10	19.8
3.5QJm3/23-1.5						164*9*10	23.4

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

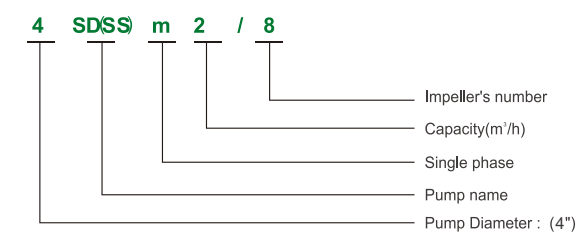
- Flow: up to 22m³/h (367L/min)
- Head: up to 560m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 25000 g/m³ (2.5%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.5HP(0.37kw) – 10HP(7.5kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- -Three phase 380-415V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



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



4SS 4SD

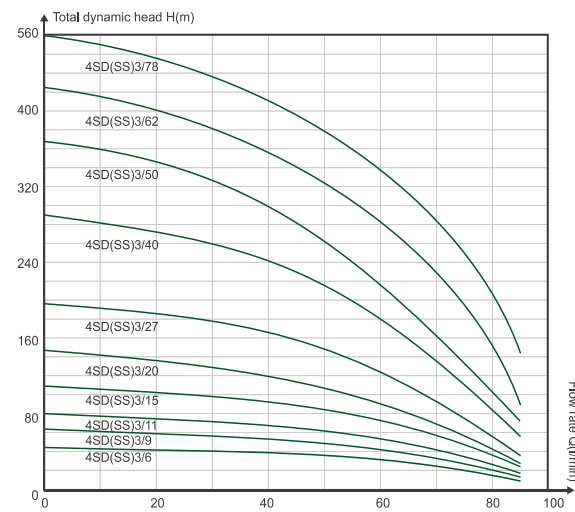
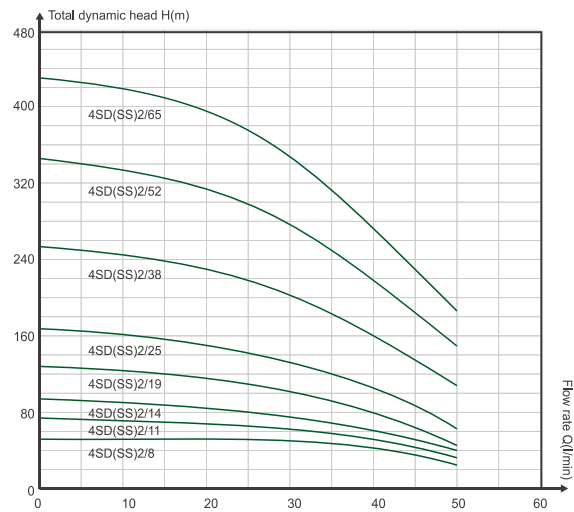
4SD(SS)

Strong
Anti-sand Series

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

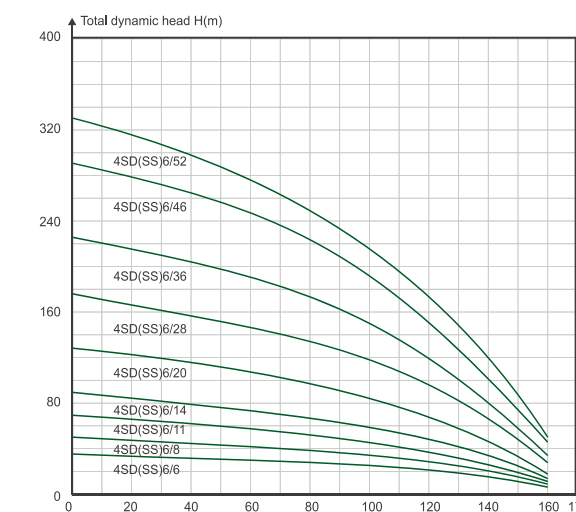
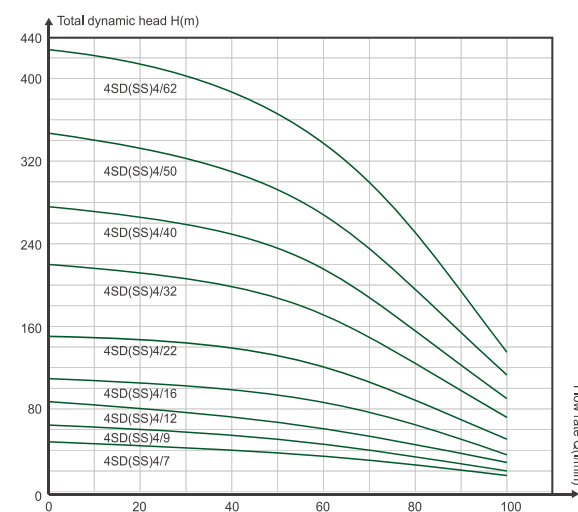
Type		Motor power		Outlet	Delivery N≈2850r/min														
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q	m³/h													
					l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3			
4SD(SS)m2/8	4SD(SS)2/8	0.37	0.5	1.25"	H(m)	0	5	10	15	20	25	30	35	40	45	50			
4SD(SS)m2/11	4SD(SS)2/11	0.55	0.75	1.25"		53	52	51	51	48	46	42	38	34	28	23			
4SD(SS)m2/14	4SD(SS)2/14	0.75	1	1.25"		75	72	70	70	67	63	58	52	46	39	31			
4SD(SS)m2/19	4SD(SS)2/19	1.1	1.5	1.25"		93	92	90	89	85	80	74	67	59	50	40			
4SD(SS)m2/25	4SD(SS)2/25	1.5	2	1.25"		126	124	122	120	115	109	100	90	80	67	54			
4SD(SS)m2/38	4SD(SS)2/38	2.2	3	1.25"		166	164	160	158	151	143	132	119	105	89	71			
						252	249	243	240	230	218	201	181	160	135	108			
	4SD(SS)2/52	3	4	1.25"		345	341	333	329	315	298	275	248	218	184	148			
	4SD(SS)2/65	4	5.5	1.25"	431	426	416	411	393	373	343	309	273	230	185				

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	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
4SD(SS)m3/6	4SD(SS)3/6	0.37	0.5	1.25"	H(m)	44	43	41	39	36	32	27	21	15	9
4SD(SS)m3/9	4SD(SS)3/9	0.55	0.75	1.25"		65	64	62	59	54	48	41	32	23	13
4SD(SS)m3/11	4SD(SS)3/11	0.75	1	1.25"		80	79	76	72	66	59	50	39	28	16
4SD(SS)m3/15	4SD(SS)3/15	1.1	1.5	1.25"		109	107	104	98	90	81	68	53	39	22
4SD(SS)m3/20	4SD(SS)3/20	1.5	2	1.25"		145	143	138	130	120	108	90	70	52	29
4SD(SS)m3/27	4SD(SS)3/27	2.2	3	1.25"		196	193	186	176	162	145	122	95	70	39
	4SD(SS)3/40	3	4	1.25"		290	286	276	260	240	215	180	140	103	58
	4SD(SS)3/50	4	5.5	1.25"		363	358	345	325	300	269	225	175	129	72
	4SD(SS)3/62	5.5	7.5	1.25"		450	443	428	413	372	334	279	217	160	89
	4SD(SS)3/78	7.5	10	1.25"		560	550	538	525	480	437	360	310	180	112

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min											
1~ 220V-240V	3~ 380-415V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
						0	10	20	30	40	50	60	70	80	90	100
4SD(SS)m4/7	4SD(SS)4/7	0.55	0.75	1.5"	H(m)	48	48	46	45	43	41	38	33	27	22	16
4SD(SS)m4/9	4SD(SS)4/9	0.75	1	1.5"		62	61	59	58	55	53	49	43	35	28	20
4SD(SS)m4/12	4SD(SS)4/12	1.1	1.5	1.5"		83	81	79	78	73	71	65	57	46	37	27
4SD(SS)m4/16	4SD(SS)4/16	1.5	2	1.5"		110	109	105	104	98	94	86	76	62	49	36
4SD(SS)m4/22	4SD(SS)4/22	2.2	3	1.5"		151	149	144	143	134	130	119	104	85	68	49
	4SD(SS)4/32	3	4	1.5"		220	217	210	208	195	189	173	151	124	99	71
	4SD(SS)4/40	4	5.5	1.5"		275	272	262	260	244	236	216	189	154	124	89
	4SD(SS)4/50	5.5	7.5	1.5"		344	340	328	325	305	295	270	237	193	155	111
	4SD(SS)4/62	7.5	10	1.5"		427	421	406	402	378	366	335	293	239	192	138

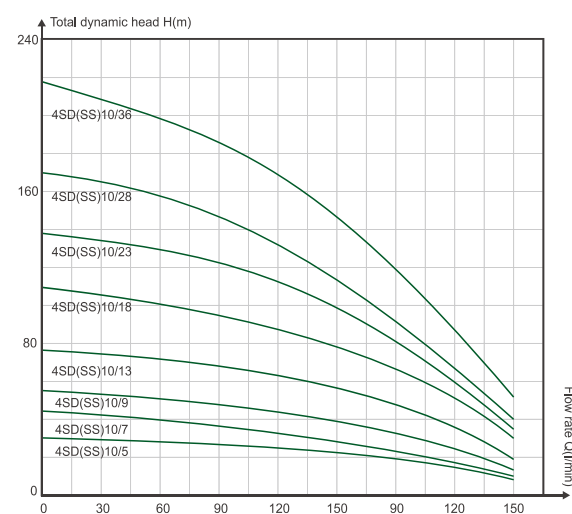
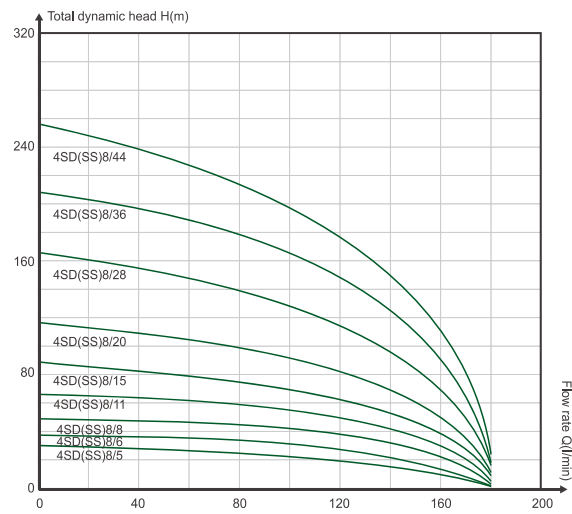
Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380-415V	KW	HP	DN	Q	m³/h									
					l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	
4SD(SS)m6/6	4SD(SS)6/6	0.55	0.75	1.5"	H(m)	0	20	40	60	80	100	120	140	160	
4SD(SS)m6/8	4SD(SS)6/8	0.75	1	1.5"		38	36	34	32	29	25	20	13	6	
4SD(SS)m6/11	4SD(SS)6/11	1.1	1.5	1.5"		50	48	45	43	39	34	26	17	8	
4SD(SS)m6/14	4SD(SS)6/14	1.5	2	1.5"		69	66	62	59	54	46	36	23	10	
4SD(SS)m6/14	4SD(SS)6/14	1.5	2	1.5"		88	85	78	75	68	59	46	30	13	
4SD(SS)m6/20	4SD(SS)6/20	2.2	3	1.5"		126	121	112	107	98	84	65	43	19	
	4SD(SS)6/28	3	4	1.5"		177	169	157	150	137	118	92	60	26	
	4SD(SS)6/36	4	5.5	1.5"		227	218	202	192	176	152	118	77	34	
	4SD(SS)6/46	5.5	7.5	1.5"		290	278	258	246	225	194	151	98	43	
	4SD(SS)6/52	7.5	10	1.5"		328	314	291	278	254	219	170	111	49	

4SD(SS) Strong Anti-sand Series

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FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

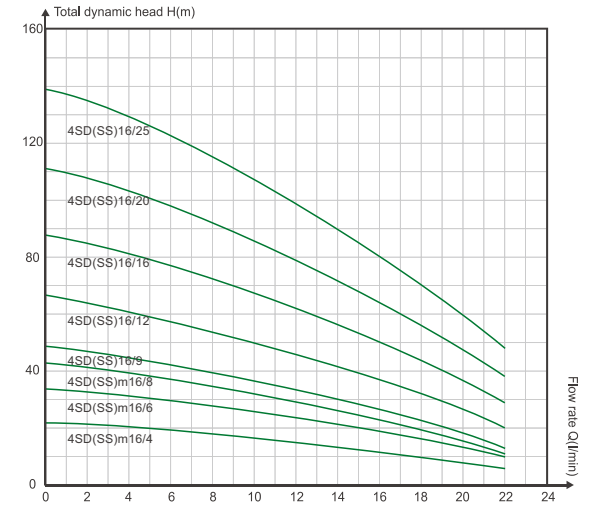
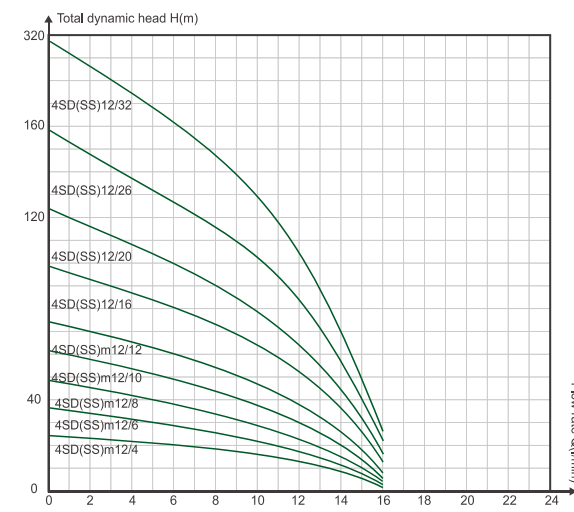
Type		Motor power		Outlet	Delivery N≈2850r/min										
1~220V-240V	3~380-415V	KW	HP	DN	Q m³/h l/min	H(m)									
						0	1.20	2.40	3.60	4.80	6.00	7.20	8.40	9.60	10.80
4SD(SS)m8/5	4SD(SS)8/5	0.55	0.75	2"	H(m)	29	28	27	26	25	23	20	17	13	3
4SD(SS)m8/6	4SD(SS)8/6	0.75	1	2"		35	34	33	31	29	27	24	21	15	3
4SD(SS)m8/8	4SD(SS)8/8	1.1	1.5	2"		46	45	44	41	39	36	32	27	21	4
4SD(SS)m8/11	4SD(SS)8/11	1.5	2	2"		64	62	60	57	54	50	45	38	28	6
4SD(SS)m8/15	4SD(SS)8/15	2.2	3	2"		87	84	82	78	74	68	61	51	39	8
	4SD(SS)8/20	3	4	2"		116	113	109	103	98	91	81	69	52	10
	4SD(SS)8/28	4	5.5	2"		162	158	153	145	137	127	114	96	72	14
	4SD(SS)8/36	5.5	7.5	2"		209	203	196	186	177	163	146	123	93	18
	4SD(SS) 8/44	7.5	10	2"		255	248	240	227	216	200	179	151	114	22

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~220V-240V	3~380-415V	KW	HP	DN	Q m³/h l/min	H(m)									
						0	1.80	3.06	5.40	7.20	9.0	10.80	12.60	14.40	
4SD(SS)m10/5	4SD(SS)10/5	0.75	1	2"	H(m)	30	30	28	26	24	21	16	13	7	
4SD(SS)m10/7	4SD(SS)10/7	1.1	1.5	2"		42	41	39	37	34	29	22	17	10	
4SD(SS)m10/9	4SD(SS)10/9	1.5	2	2"		55	53	50	47	43	37	28	22	13	
4SD(SS)m10/13	4SD(SS)10/13	2.2	3	2"		79	77	72	68	63	54	41	37	19	
	4SD(SS)10/18	3	4	2"		109	107	100	94	87	75	57	51	26	
	4SD(SS)10/23	4	5.5	2"		139	136	127	121	111	95	72	59	33	
	4SD(SS)10/28	5.5	7.5	2"		170	166	155	147	135	116	88	68	40	
	4SD(SS)10/36	7.5	10	2"		218	213	199	189	174	149	113	82	52	

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FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850 r/min										
1~220V-240V	3~380V-415V	KW	HP	DN	Q m³/h l/min	H(m)									
						0	2	4	6	8	10	12	14	16	
4SD(SS)m12/4	4SD(SS)12/4	0.75	1	2"	H(m)	24	23	21	19	16	14	10	6	2	
4SD(SS)m12/6	4SD(SS)12/6	1.1	1.5	2"		36	34	32	29	26	22	17	11	3	
4SD(SS)m12/8	4SD(SS)12/8	1.5	2	2"		49	46	43	40	36	30	24	16	5	
4SD(SS)m12/10	4SD(SS)12/10	1.8	2.5	2"		61	58	53	49	44	38	30	20	6	
4SD(SS)m12/12	4SD(SS)12/12	2.2	3	2"		73	70	65	58	53	45	36	24	8	
	4SD(SS)12/16	3	4	2"		98	93	86	80	71	62	51	36	13	
	4SD(SS)12/20	4	5.5	2"		123	116	108	100	89	78	64	45	16	
	4SD(SS)12/26	5.5	7.5	2"		159	151	140	130	115	101	83	59	21	
	4SD(SS)12/32	7.5	10	2"		196	186	172	160	142	124	102	72	26	

Type		Motor power		Outlet	Delivery N≈2850 r/min										
1~220V-240V	3~380V-415V	KW	HP	DN	Q m³/h l/min	H(m)									
						0	4	6	10	12	14	16	18	20	22
4SD(SS)m16/4	4SD(SS)16/4	1.1	1.5	2"	H(m)	22	21	20	17	15	14	12	10	8	6
4SD(SS)m16/6	4SD(SS)16/6	1.5	2	2"		34	31	30	26	24	22	19	17	14	10
4SD(SS)m16/8	4SD(SS)16/8	1.8	2.5	2"		43	39	37	32	30	26	23	20	18	11
	4SD(SS)16/9	2.2	3	2"		49	45	42	36	34	30	27	23	19	13
	4SD(SS)16/12	3	4	2"		67	61	58	50	46	41	38	32	27	20
	4SD(SS)16/16	4	5.5	2"		88	81	77	67	62	56	51	44	37	29
	4SD(SS)16/20	5.5	7.5	2"		111	104	98	85	78	72	65	56	48	38
	4SD(SS)16/25	7.5	10	2"		139	130	123	106	98	90	81	70	60	48

PACKAGING INFORMATION

Single -phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m2/8-0.37	43x10x10.5	3.82	44x11x11.5	7.6	78x11x11.5	11.45
4SD(SS)m2/11-0.55	50x10x10.5	4.48	47x11x11.5	8.82	89x11x11.5	13.42
4SD(SS)m2/14-0.75	61x10x10.5	5.38	49x11x11.5	10.1	102x11x11.5	15.08
4SD(SS)m2/19-1.1	74x10x10.5	6.58	54x11x11.5	11.5	120x11x11.5	18.14
4SD(SS)m2/25-1.5	92x10x10.5	8.34	58x11x11.5	14.32	142x11x11.5	19.26
4SD(SS)m2/38-2.2	128x10x10.5	10.92	67x11x12.5	18.54	187x11x12.5	29.16
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)2/8-0.37	43x10x10.5	3.82	44x11x11.5	7.6	78x11x11.5	11.45
4SD(SS)2/11-0.55	50x10x10.5	4.48	47x11x11.5	8.82	89x11x11.5	13.42
4SD(SS)2/14-0.75	61x10x10.5	5.38	49x11x11.5	10.1	102x11x11.5	15.08
4SD(SS)2/19-1.1	74x10x10.5	6.58	54x11x11.5	11.5	120x11x11.5	18.14
4SD(SS)2/25-1.5	92x10x10.5	8.34	58x11x11.5	14.32	142x11x11.5	19.26
4SD(SS)2/38-2.2	128x10x10.5	10.92	62x11x12.5	15.9	182x11x12.5	28.16
4SD(SS)2/52-3.0	182x10x10.5	16.92	69x11x12.5	20.7		
4SD(SS)2/65-4.0	222x10x10.5	20.83	77x11x12.5	24.1		

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m3/6-0.37	39x10x10.5	3.2	44x11x11.5	7.6	75x11x11.5	10.82
4SD(SS)m3/9-0.55	47x10x10.5	4	47x11x11.5	8.82	86x11x11.5	12.74
4SD(SS)m3/11-0.75	52x10x10.5	4.26	49x11x11.5	10.1	94x11x11.5	15.38
4SD(SS)m3/15-1.1	67x10x10.5	6.2	54x11x11.5	11.5	114x11x11.5	18.74
4SD(SS)m3/20-1.5	80x10x10.5	7.44	58x11x11.5	14.32	131x11x11.5	22.04
4SD(SS)m3/27-2.2	103x10 10.5	9.08	67x11x12.5	18.54	162x11x12.5	26.38
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)3/6-0.37	39x10x10.5	3.2	44x11x11.5	7.6	75x11x11.5	10.82
4SD(SS)3/9-0.55	47x10x10.5	4	47x11x11.5	8.82	86x11x11.5	12.74
4SD(SS)3/11-0.75	52x10x10.5	4.26	49x11x11.5	10.1	94x11x11.5	15.38
4SD(SS)3/15-1.1	67x10x10.5	6.2	54x11x11.5	11.5	114x11x11.5	18.74
4SD(SS)3/20-1.5	80x10x10.5	7.44	58x11x11.5	14.32	131x11x11.5	22.04
4SD(SS)3/27-2.2	103x10x10.5	9.08	62x11x12.5	15.9	157x11x12.5	25.38

PACKAGING INFORMATION

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m4/7-0.55	42x10x10.5	3.86	44x11x11.5	7.6	82x11x11.5	12.25
4SD(SS)m4/9-0.75	49x10x10.5	4.36	47x11x11.5	8.82	90x11x11.5	14.06
4SD(SS)m4/12-1.1	61x10x10.5	5.11	49x11x11.5	10.1	108x11x11.5	17.02
4SD(SS)m4/16-1.5	72x10x10.5	5.72	54x11x11.5	11.5	124x11x11.5	18.09
4SD(SS)m4/22-2.2	94x10x10.5	8.54	58x11x11.5	14.32	153x11x12.5	25.46
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)4/7-0.55	42x10x10.5	3.86	47x11x11.5	7.6	82x11x11.5	12.25
4SD(SS)4/9-0.75	49x10x10.5	4.36	49x11x11.5	8.82	90x11x11.5	14.06
4SD(SS)4/12-1.1	61x10x10.5	5.11	54x11x11.5	10.1	108x11x11.5	17.02
4SD(SS)4/16-1.5	72x10x10.5	5.72	58x11x11.5	11.5	124x11x11.5	18.09
4SD(SS)4/22-2.2	94x10x10.5	8.54	62x11x12.5	14.32	148x11x12.5	24.46

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m6/6-0.55	44x10x10.5	3.89	44x11x11.5	7.6	83x11x11.5	13
4SD(SS)m6/8-0.75	50x10x10.5	4.42	47x11x11.5	8.82	91x11x11.5	15.04
4SD(SS)m6/11-1.1	63x10x10.5	5.74	49x11x11.5	10.1	110x11x11.5	18.1
4SD(SS)m6/14-1.5	72x10x10.5	6.6	54x11x11.5	11.5	123x11x11.5	21.26
4SD(SS)m6/20-2.2	95x10x10.5	8.2	58x11x11.5	14.32	154x11x12.5	26.94
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)6/6-0.55	44x10x10.5	3.89	47x11x11.5	7.6	83x11x11.5	13
4SD(SS)6/8-0.75	50x10x10.5	4.42	49x11x11.5	8.82	91x11x11.5	15.04
4SD(SS)6/11-1.1	63x10x10.5	5.74	54x11x11.5	10.1	110x11x11.5	18.1
4SD(SS)6/14-1.5	72x10x10.5	6.6	58x11x11.5	11.5	123x11x11.5	21.26
4SD(SS)6/20-2.2	95x10x10.5	8.2	62x11x12.5	14.32	149x11x12.5	25.84

4SD(SS)

Strong
Anti-sand Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SD(SS)

Strong
Anti-sand Series

PACKAGING INFORMATION

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m8/5-0.55	46x10x10.5	3.68	44x11x11.5	7.6	85x11x11.5	14.22
4SD(SS)m8/6-0.75	50x10x10.5	4	47x11x11.5	8.82	91x11x11.5	16.18
4SD(SS)m8/8-1.1	57x10x10.5	4.5	49x11x11.5	10.1	104x11x11.5	19.2
4SD(SS)m8/11-1.5	72x10x10.5	5.42	54x11x11.5	11.5	123x11x11.5	22.1
4SD(SS)m8/15-2.2	87x10x10.5	6.3	58x11x11.5	14.32	146x11x12.5	26.52
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)8/5-0.55	50x10x10.5	3.68	47x11x11.5	7.6	85x11x11.5	14.22
4SD(SS)8/6-0.75	57x10x10.5	4	49x11x11.5	8.82	91x11x11.5	16.18
4SD(SS)8/8-1.1	72x10x10.5	4.5	54x11x11.5	10.1	104x11x11.5	19.2
4SD(SS)8/11-1.5	87x10x10.5	5.42	58x11x11.5	11.5	123x11x11.5	22.1
4SD(SS)8/15-2.2	109x10x10.5	6.3	62x11x12.5	14.32	141x11x12.5	25.52

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m10/5-0.75	46x10x10.5	3.81	44x11x11.5	7.6	87x11x11.5	16.18
4SD(SS)m10/7-1.1	53x10x10.5	4.38	47x11x11.5	8.82	100x11x11.5	19.2
4SD(SS)m10/9-1.5	61x10x10.5	5.04	49x11x11.5	10.1	112x11x11.5	22.1
4SD(SS)m10/13-2.2	79x10x10.5	5.76	54x11x11.5	11.5	139x11x11.5	26.52
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)10/5-0.75	46x10x10.5	3.81	47x11x11.5	7.6	87x11x11.5	16.18
4SD(SS)10/7-1.1	53x10x10.5	4.38	49x11x11.5	8.82	100x11x11.5	19.2
4SD(SS)10/9-1.5	61x10x10.5	5.04	54x11x11.5	10.1	112x11x11.5	22.1
4SD(SS)10/13-2.2	79x10x10.5	5.76	58x11x11.5	11.5	134x11x11.5	25.52

PACKAGING INFORMATION

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m12-4-0.75	49x10x10.5	4.39	44x11x11.5	7.6	90x11x11.5	14.49
4SD(SS)m12/6-1.1	60x10x10.5	5.38	47x11x11.5	8.82	106x11x11.5	16.88
4SD(SS)m12/8-1.5	75x10x10.5	6.72	49x11x11.5	10.1	125x11x11.5	21.04
4SD(SS)m12/10-1.8	83x10x10.5	6.61	54x11x11.5	11.5	159x11x11.5	23.93
4SD(SS)m12/12-2.2	97x10x10.5	7.65	58x11x11.5	14.32	156x11x11.5	26.19
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)12-4-0.75	49x10x10.5	4.39	47x11x11.5	7.6	90x11x11.5	14.49
4SD(SS)12/6-1.1	60x10x10.5	5.38	49x11x11.5	8.82	106x11x11.5	16.88
4SD(SS)12/8-1.5	75x10x10.5	6.72	54x11x11.5	10.1	125x11x11.5	21.04
4SD(SS)12/10-1.8	83x10x10.5	6.61	58x11x11.5	11.5	159x11x11.5	23.93
4SD(SS)12/12-2.2	97x10x10.5	7.65	62x11x12.5	14.32	151x11x11.5	25.19

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)m16/5-1.1	54x10x10.5	4.4	44x11x11.5	7.6	108x11x11.5	17.06
4SD(SS)m16/7-1.5	68x10x10.5	6.9	47x11x11.5	8.82	125x11x11.5	21.04
4SD(SS)m16/10-2.2	93x10x10.5	8.0	49x11x11.5	10.1	155x11x12.5	26.18
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SD(SS)16/5-1.1	54x10x10.5	4.4	47x11x11.5	7.6	108x11x11.5	17.06
4SD(SS)16/7-1.5	68x10x10.5	6.9	49x11x11.5	8.82	125x11x11.5	21.04
4SD(SS)16/10-2.2	93x10x10.5	8.0	54x11x11.5	10.1	150x11x11.5	25.18

4QJ Series

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4QJ Series

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

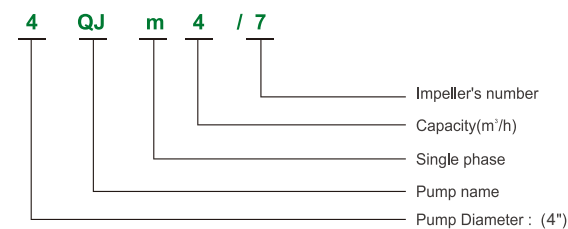
- Flow: up to 21.6m³/h (360L/min)
- Head: up to 188m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

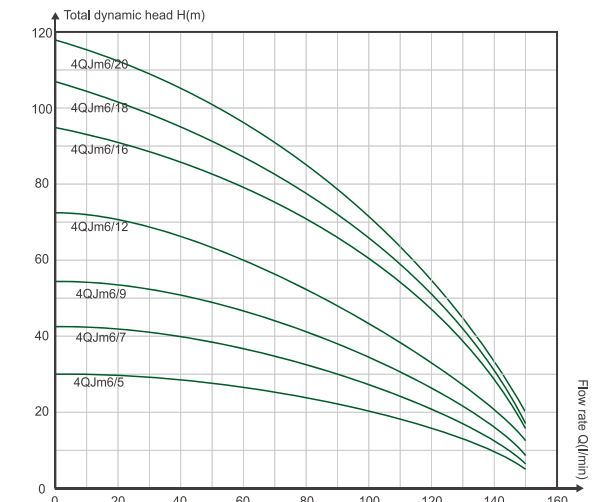
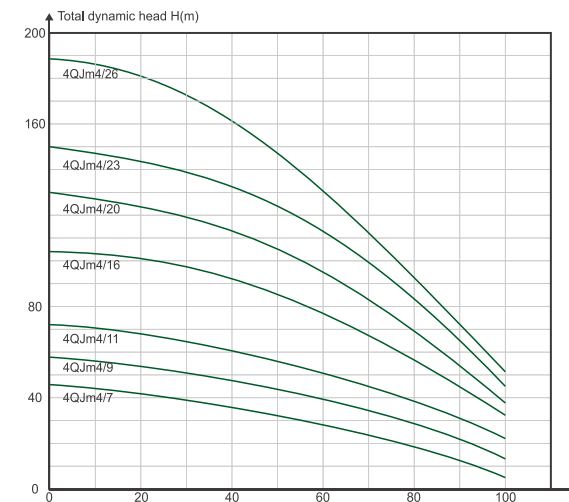
- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.5HP(0.37kw) – 3HP(2.2kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-iron
Inlet	Cast-iron
Strainer	AISI 304SS
Diffuser	ABS
Impeller	ABS
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												
1~220V-240V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	
4QJm4/7	0.37	0.5	1.5"	H(m)	46	44	43	38	34	31	28	22	13	11	5	
4QJm4/9	0.55	0.75	1.5"		59	57	56	51	46	44	40	34	27	23	13	
4QJm4/11	0.75	1	1.5"		72	70	68	66	60	58	52	46	39	33	22	
4QJm4/16	1.1	1.5	1.5"		104	101	99	97	87	84	76	67	56	48	31	
4QJm4/20	1.5	2	1.5"		130	126	124	121	109	105	95	84	70	60	39	
4QJm4/23	1.8	2.5	1.5"		150	145	143	139	126	121	109	96	81	69	45	
4QJm4/26	2.2	3	1.5"		188	184	181	172	163	142	131	112	90	72	51	

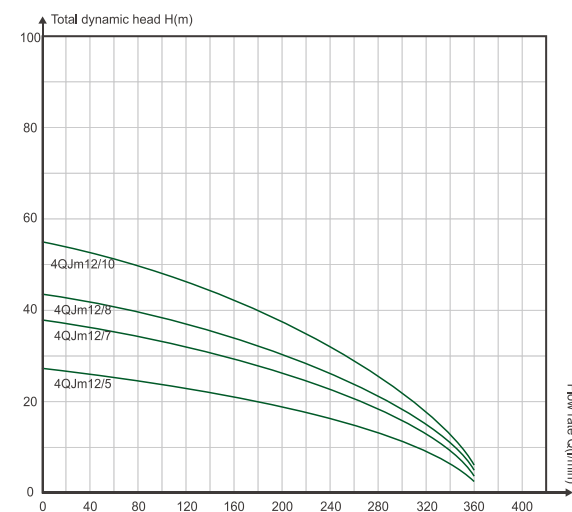
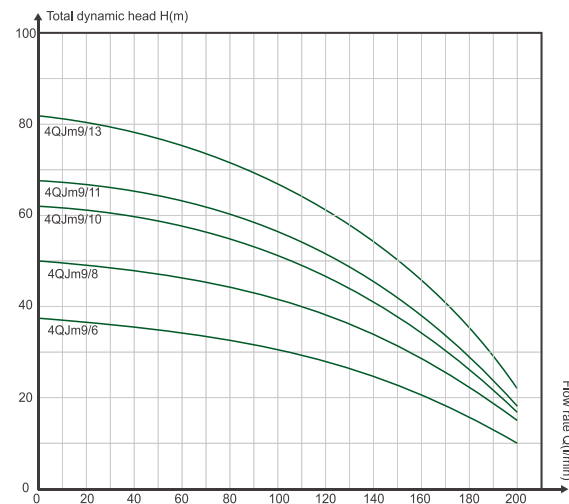
Type	Motor power		Outlet	Delivery N≈2850r/min												
1~220V-240V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	2.4	3.0	4.2	6.0	7.2	8.4	9.0		
4QJm6/5	0.37	0.5	1.5"	H(m)	30	28	27	26	26	25	21	17	13	9	5	
4QJm6/7	0.55	0.75	1.5"		42	40	38	36	36	35	29	24	19	13	7	
4QJm6/9	0.75	1	1.5"		54	51	49	46	46	45	38	31	24	16	9	
4QJm6/12	1.1	1.5	1.5"		71	68	65	62	61	58	50	42	32	22	12	
4QJm6/16	1.5	2	1.5"		95	90	87	82	82	75	67	55	43	29	16	
4QJm6/18	1.8	2.5	1.5		107	102	97	92	92	85	76	62	48	32	18	
4QJm6/20	2.2	3	1.5"		119	113	108	103	102	95	84	69	53	36	20	

4QJ Series

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4QJ Series



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min												
1~220V-240V	KW	HP	DN	Q	m³/h											
					l/min											
				H(m)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12	
4QJm9/6	0.75	1	2"		0	20	40	60	80	100	120	140	160	180	200	
4QJm9/8	1.1	1.5	2"		37	36	35	34	33	31	28	25	21	16	10	
4QJm9/10	1.5	2	2"		50	49	48	46	44	41	37	33	28	21	14	
4QJm9/11	1.8	2.5	2"		62	61	60	58	55	52	47	41	35	26	17	
4QJm9/13	2.2	3	2"		68	67	66	63	61	57	51	45	38	29	19	
					81	80	78	75	72	67	61	54	45	34	22	

Type	Motor power		Outlet	Delivery N≈2850r/min										
1~220V-240V	KW	HP	DN	Q	m³/h									
					l/min									
				H(m)	0	6.0	8.0	10.8	12	13.8	16.2	18	21.6	
4QJm12/5	1.1	1.5	2"		0	100	133	180	200	230	270	300	360	
4QJm12/7	1.5	2	2"		27	24	22	20	19	17	14	11	3	
4QJm12/8	1.8	2.5	2"		38	34	31	27	26	24	20	16	4	
4QJm12/10	2.2	3	2"		44	38	36	31	29	27	22	18	5	
					55	48	45	39	37	34	28	23	6	

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)
4QJm4/7-0.37						78x11x11.5	11.55
4QJm4/9-0.55						86x11x11.5	13.25
4QJm4/11-0.75						94x11x11.5	14.38
4QJm4/16-1.1						111x11x11.5	17.66
4QJm4/20-1.5						126x11x11.5	20.46
4QJm4/23-1.8						136x11x11.5	22.05
4QJm4/26-2.2						169x11x12.5	25.55

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)
4QJm6/5-0.37						77x11x11.5	12.92
4QJm6/7-0.55						87x11x11.5	13.37
4QJm6/9-0.75						95x11x11.5	14.6
4QJm6/12-1.1						111x11x11.5	17.6
4QJm6/16-1.5						128x11x11.5	20.58
4QJm6/18-1.8						137x11x11.5	22.5
4QJm6/20-2.2						149x11x12.5	25.25

4QJ Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SF Strong Anti-sand Series

PACKAGING INFORMATION

single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4QJm9/6-0.75					85x11x11.5	
4QJm9/8-1.1					97x11x11.5	19.2
4QJm9/10-1.5					108x11x11.5	21.38
4QJm9/11-1.8					114x11x11.5	22.57
4QJm9/13-2.2					126x11x12.5	27.7

single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4QJm12/5-1.1					98x11x11.5	16.88
4QJm12/7-1.5					119x11x11.5	21.04
4QJm12/8-1.8					135x11x11.5	23.93
4QJm12/10-2.2					141x11x12.5	26.19

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

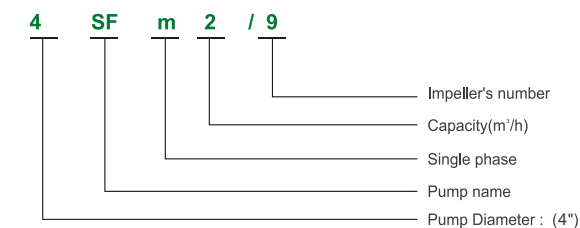
- Flow: up to 24m³/h (400l/min)
- Head: up to 507m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 25000 g/m³ (2.5%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.5HP(0.37kw) – 10HP(7.5kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- -Three phase 380-415V/50Hz
- Class of Insulation:B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



COMPONENTS

Pump casing
Outlet
Inlet
Strainer
Diffuser
Impeller
Pump shaft
Shaft coupling
Motor casing
Mechanical seal
Top chock
Motor shaft
Bearing
Seal lubricant oil

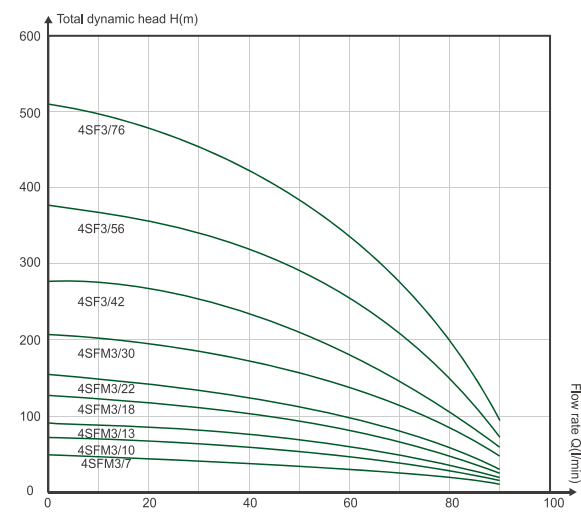
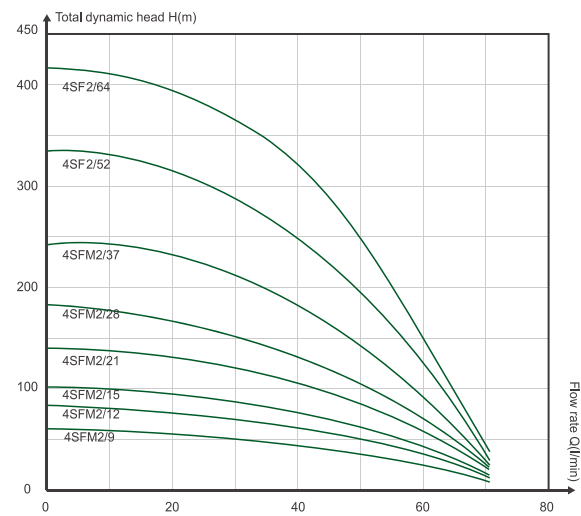
MATERIAL

AISI 304SS/201SS
Cast-Cu
Cast-Cu
AISI 304SS
PC
POM
AISI 304SS/201SS
AISI 304SS/201SS
AISI 304SS/201SS
Graphite-ceramic/TC
Cast-Cu/Cast-iron
AISI 304SS
NSK/C&U
10# White Oil



4SF Strong Anti-sand Series

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

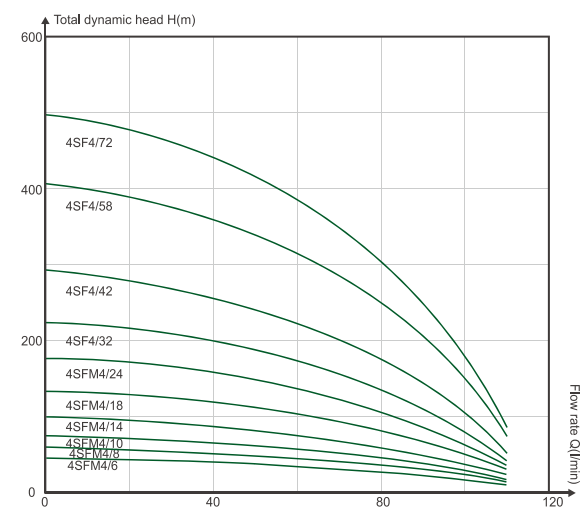


PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min									
1~ 220V-240V	3~ 380-415V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.3	3.6	4.2
4SFm2/9	4SF2/9	0.37	0.5	1.25"	H(m)	60	58	55	51	43	33	28	23	8
4SFm2/12	4SF2/12	0.55	0.75	1.25"		83	82	80	72	62	50	42	34	12
4SFm2/15	4SF2/15	0.75	1	1.25"		101	100	95	88	76	59	50	39	15
4SFm2/21	4SF2/21	1.1	1.5	1.25"		141	138	136	122	106	82	71	56	21
4SFm2/28	4SF2/28	1.5	2	1.25"		184	182	179	162	135	106	89	78	24
4SFm2/37	4SF2/37	2.2	3	1.25"		245	240	235	217	183	144	120	85	28
	4SF2/52	3	4	1.25"		334	330	323	290	245	190	160	118	30
	4SF2/64	4	5.5	1.25"		412	406	395	360	315	240	190	136	35

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380-415V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
4SFm3/7	4SF3/7	0.37	0.5	1.25"	H(m)	0	10	20	30	40	50	60	70	80	90
4SFm3/10	4SF3/10	0.55	0.75	1.25"		48	45	44	43	40	36	30	25	18	9
4SFm3/13	4SF3/13	0.75	1	1.25"		69	66	63	61	57	51	44	34	26	13
4SFm3/18	4SF3/18	1.1	1.5	1.25"		90	85	83	81	75	68	57	47	33	18
4SFm3/22	4SF3/22	1.5	2	1.25"		124	118	115	110	102	93	80	62	45	24
4SFm3/30	4SF3/30	2.2	3	1.25"		152	144	141	134	125	114	96	75	54	28
	4SF3/42	3	4	1.25"		204	196	192	183	172	158	136	112	79	46
	4SF3/56	4	5.5	1.25"		273	266	258	251	232	208	183	144	100	57
	4SF3/76	5.5	7.5	1.25"		374	362	352	340	315	283	242	200	144	71
						507	490	475	450	420	389	330	265	199	93

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



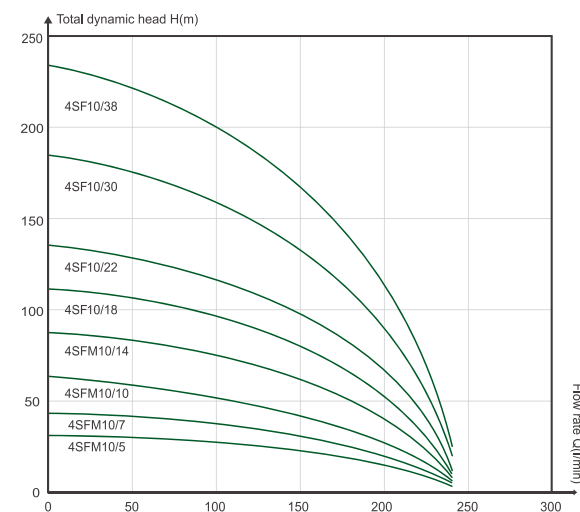
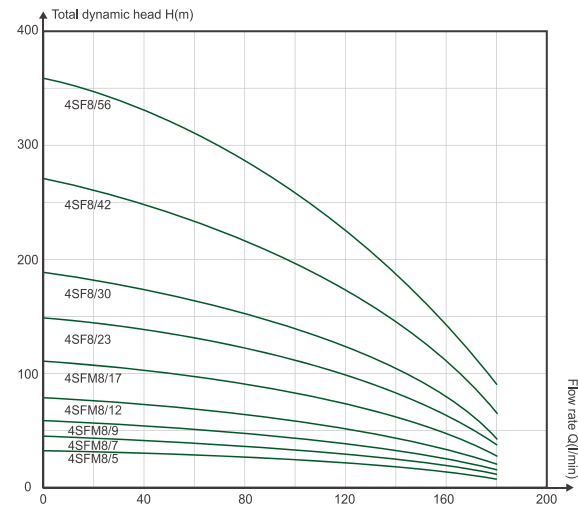
PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min												
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6
4SFm4/6	4SF4/6	0.37	0.5	1.5"		H(m)	0	10	20	30	40	50	60	70	80	90	100
4SFm4/8	4SF4/8	0.55	0.75	1.5"		43	42	41	40	39	36	33	29	25	20	15	8
4SFm4/10	4SF4/10	0.75	1	1.5"		57	56	55	54	52	50	45	40	35	28	22	12
4SFm4/14	4SF4/14	1.1	1.5	1.5"		71	69	68	66	65	61	57	50	43	34	25	15
4SFm4/18	4SF4/18	1.5	2	1.5"		101	98	97	94	92	86	79	71	60	49	38	22
4SFm4/24	4SF4/24	2.2	3	1.5"		130	125	123	119	117	112	101	90	78	63	47	28
	4SF4/32	3	4	1.5"		174	166	164	160	156	148	135	121	103	82	63	35
						220	215	208	202	196	185	175	155	132	106	80	40
	4SF4/42	4	5.5	1.5"		292	284	272	264	257	242	228	204	176	143	103	52
	4SF4/58	5.5	7.5	1.5"		403	392	376	365	352	335	315	282	243	198	142	72
	4SF4/72	7.5	10	1.5"		492	482	465	448	436	415	390	350	304	239	173	84

Type		Motor power		Outlet	Delivery N≈2850r/min								
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2	8.4
4SFm6/5	4SF6/5	0.37	0.5	1.5"	H(m)	34	33	31	29	25	20	15	8
4SFm6/7	4SF6/7	0.55	0.75	1.5"		49	47	45	42	38	32	24	12
4SFm6/8	4SF6/8	0.75	1	1.5"		57	54	52	49	44	36	27	14
4SFm6/11	4SF6/11	1.1	1.5	1.5"		76	74	72	67	60	50	38	21
4SFm6/15	4SF6/15	1.5	2	1.5"		105	101	98	91	82	67	51	26
4SFm6/20	4SF6/20	2.2	3	1.5"		140	136	130	121	108	90	67	38
	4SF6/26	3	4	1.5"		175	171	166	153	137	113	80	42
	4SF6/34	4	5.5	1.5"		233	225	217	203	180	145	109	55
	4SF6/48	5.5	7.5	1.5"		321	315	305	282	254	205	155	78
	4SF6/60	7.5	10	1.5"		408	396	383	358	318	262	188	100

4SF Strong Anti-sand Series

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

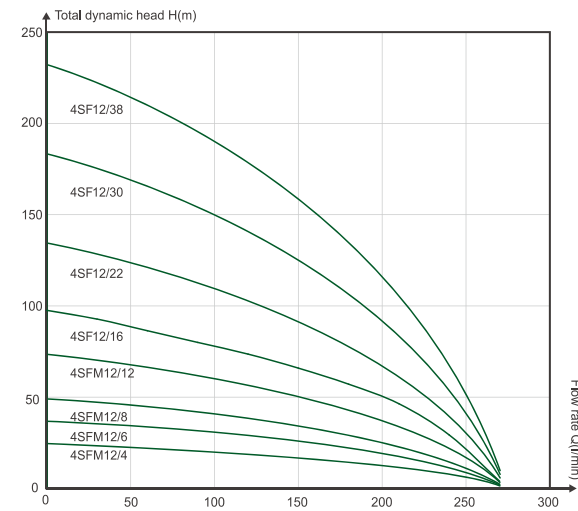


PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
4SFm8/5	4SF8/5	0.55	0.75	2"	H(m)	0	20	40	60	80	100	120	140	160	180
4SFm8/7	4SF8/7	0.75	1	2"		33	32	30	27	26	24	22	18	14	8
4SFm8/9	4SF8/9	1.1	1.5	2"		44	43	40	38	36	33	30	24	19	11
4SFm8/12	4SF8/12	1.5	2	2"		58	56	52	49	46	43	38	32	24	15
4SFm8/17	4SF8/17	2.2	3	2"		78	76	71	66	62	58	51	43	32	20
						110	107	99	92	87	81	73	61	46	27
	4SF8/23	3	4	2"		148	143	134	124	118	110	99	83	62	37
	4SF8/30	4	5.5	2"		188	183	172	160	150	140	128	103	77	42
	4SF8/42	5.5	7.5	2"		270	262	248	228	212	196	175	144	108	65
	4SF8/56	7.5	10	2"		358	351	327	305	280	260	228	192	142	90

Type		Motor power		Outlet	Delivery N≈2850r/min									
1~ 220V-240V	3~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4
4SFm10/5	4SF10/5	0.75	1	2"	H(m)	0	30	60	90	120	150	180	210	240
4SFm10/7	4SF10/7	1.1	1.5	2"		31	30	28	27	25	23	19	12	3
4SFm10/10	4SF10/10	1.5	2	2"		43	42	39	38	36	33	27	18	5
4SFm10/14	4SF10/14	2.2	3	2"		63	59	57	54	50	44	36	22	6
						87	83	80	75	70	63	52	31	8
	4SF10/18	3	4	2"		111	108	102	96	90	79	68	46	10
	4SF10/22	4	5.5	2"		135	132	125	117	110	97	84	57	12
	4SF10/30	5.5	7.5	2"		184	178	169	161	152	135	114	77	20
						233	255	214	204	192	171	144	98	25
	4SF10/38	7.5	10	2"										

SINCE 1988
FROG PUMP
CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

Type		Motor power		Outlet	Delivery N≈2850r/min										
1~ 220V-240V	1~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.4
4SFm12/4	4SF12/4	0.75	1	2"	H(m)	0	30	60	90	120	150	180	210	240	270
4SFm12/6	4SF12/6	1.1	1.5	2"		24	23	22	20	18	16	14	12	7	1
4SFm12/8	4SF12/8	1.5	2	2"		37	35	32	30	28	25	21	17	11	2
4SFm12/12	4SF12/12	2.2	3	2"		49	46	43	40	37	33	29	23	15	2
						73	70	65	60	55	49	43	35	22	3
	4SF12/16	3	4	2"		98	93	86	80	74	66	57	46	29	4
	4SF12/22	4	5.5	2"		134	128	119	110	101	91	79	64	40	6
	4SF12/30	5.5	7.5	2"		183	174	162	150	138	124	107	87	55	8
						232	220	205	190	175	157	136	110	70	10
	4SF12/38	7.5	10	2"											

Type		Motor power		Outlet	Delivery N≈2850r/min									
1~ 220V-240V	1~ 380V-415V	KW	HP	DN	Q m³/h l/min	0	3	6	9	12	15	18	21	24
4SFm16/4	4SF16/4	1.1	1.5	2"	H(m)	0	50	100	150	200	250	300	350	400
4SFm16/6	4SF16/6	1.5	2	2"		22	21	19	17	16	14	11	8	1
4SFm16/9	4SF16/9	2.2	3	2"		33	32	29	26	23	20	16	12	2
						50	48	43	40	35	31	24	18	4
	4SF16/12	3	4	2"		66	63	59	53	47	41	32	24	9
	4SF16/16	4	5.5	2"		88	84	78	71	62	54	43	32	12
	4SF16/21	5.5	7.5	2"		116	112	103	94	82	71	57	42	15
						149	145	133	121	105	92	73	54	17
	4SF16/27	7.5	10	2"										

PACKAGING INFORMATION

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SFm2/9-0.37	44x10x10.5	4.1	33x11x11.5	7.4	76x11x11.5	11.4
4SFm2/12-0.55	55x10x10.5	5.0	35x11x11.5	8.8	89x11x11.5	13.8
4SFm2/15-0.75	63x10x10.5	5.6	37x11x11.5	9.6	98x11x11.5	15.2
4SFm2/21-1.1	77x10x10.5	7.0	43x11x11.5	11.7	118x11x11.5	18.8
4SFm2/28-1.5	98x10x10.5	9.1	48x11x11.5	14.1	145x11x11.5	23.2
4SFm2/37-2.2	123x10x10.5	11.4	57x11x11.5	18.3	178x11x11.5	31.4
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF2/9-0.37	44x10x10.5	4.1	37x11x11.5	7.6	80x11x11.5	11.6
4SF2/12-0.55	55x10x10.5	5.0	40x11x11.5	8.9	94x11x11.5	13.9
4SF2/15-0.75	63x10x10.5	5.6	42x11x11.5	9.8	103x11x11.5	15.4
4SF2/21-1.1	77x10x10.5	7.0	47x11x11.5	11.8	123x11x11.5	18.9
4SF2/28-1.5	98x10x10.5	9.1	51x11x11.5	14.2	148x11x11.5	23.3
4SF2/37-2.2	123x10x10.5	11.4	55x11x11.5	15.9	176x11x11.5	29.0
4SF2/52-3	172x10x10.5	18.9	62x11x11.5	20.7		
4SF2/64-4	208x10x10.5	22.5	70x11x11.5	24.3		

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SFm3/7-0.37	43x10x10.5	3.8	33x11x11.5	7.4	74x11x11.5	11.2
4SFm3/10-0.55	52x10x10.5	4.5	35x11x11.5	8.8	86x11x11.5	13.3
4SFm3/13-0.75	64x10x10.5	5.6	37x11x11.5	9.6	100x11x11.5	15.2
4SFm3/18-1.1	79x10x10.5	6.9	43x11x11.5	11.7	120x11x11.5	18.7
4SFm3/22-1.5	91x10x10.5	8.0	48x11x11.5	14.1	137x11x11.5	22.2
4SFm3/30-2.2	118x10x10.5	10.6	57x11x11.5	18.3	173x11x11.5	30.7
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF3/7-0.37	43x10x10.5	3.8	37x11x11.5	7.6	79x11x11.5	11.4
4SF3/10-0.55	52x10x10.5	4.5	40x11x11.5	8.9	90x11x11.5	13.5
4SF3/13-0.75	64x10x10.5	5.6	42x11x11.5	9.8	105x11x11.5	15.4
4SF3/18-1.1	79x10x10.5	6.9	47x11x11.5	11.8	125x11x11.5	18.8
4SF3/22-1.5	91x10x10.5	8.0	51x11x11.5	14.2	140x11x11.5	22.3
4SF3/30-2.2	118x10x10.5	10.6	55x11x11.5	15.9	171x11x11.5	28.3
4SF3/42-3	162x10x10.5	15.3	62x11x11.5	20.7		
4SF3/56/4	210x10x10.5	22.1	70x11x11.5	24.3		
4SF3/76/5.5	276x10x10.5	28.9	78x11x11.5	30.1		

PACKAGING INFORMATION

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SFm4/6-0.37	40x10x10.5	3.6	33x11x11.5	7.4	71x11x11.5	11.0
4SFm4/8-0.55	46x10x10.5	4.1	35x11x11.5	8.8	80x11x11.5	12.9
4SFm4/10-0.75	52x10x10.5	4.5	37x11x11.5	9.6	88x11x11.5	14.1
4SFm4/14-1.1	67x10x10.5	6.0	43x11x11.5	11.7	108x11x11.5	17.7
4SFm4/18-1.5	82x10x10.5	7.3	48x11x11.5	14.1	129x11x11.5	21.5
4SFm4/24-2.2	103x10x10.5	9.1	57x11x11.5	18.3	158x11x11.5	27.8
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF4/6-0.37	40x10x10.5	3.6	37x11x11.5	7.6	76x11x11.5	10.8
4SF4/8-0.55	46x10x10.5	4.1	40x11x11.5	8.9	84x11x11.5	12.9
4SF4/10-0.75	52x10x10.5	4.5	42x11x11.5	9.8	92x11x11.5	13.9
4SF4/14-1.1	67x10x10.5	6.0	47x11x11.5	11.8	113x11x11.5	17.3
4SF4/18-1.5	82x10x10.5	7.3	51x11x11.5	14.2	132x11x11.5	20.9
4SF4/24-2.2	103x10x10.5	9.1	55x11x11.5	15.9	156x11x11.5	26.9
4SF4/32-3	126x10x10.5	11.5	62x11x11.5	20.7		
4SF4/42-4	168x10x10.5	15.3	70x11x11.5	24.3		
4SF4/58-5.5	215x10x10.5	22.5	78x11x11.5	30.1		
4SF4/72-7.5	262x10x10.5	27.7	85x11x11.5	34.2		

Single-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SFm6/5-0.37	40x10x10.5	3.5	33x11x11.5	7.4	76x11x11.5	11.1
4SFm6/7-0.55	47x10x10.5	4.1	35x11x11.5	8.8	85x11x11.5	13.0
4SFm6/8-0.75	50x10x10.5	4.3	37x11x11.5	9.6	91x11x11.5	14.1
4SFm6/11-1.1	64x10x10.5	5.5	43x11x11.5	11.7	110x11x11.5	17.4
4SFm6/15-1.5	78x10x10.5	6.7	48x11x11.5	14.1	128x11x11.5	21.0
4SFm6/20-2.2	95x10x10.5	8.1	57x11x11.5	18.3	148x11x11.5	24.2
Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF6/5-0.37	40x10x10.5	3.5	37x11x11.5	7.6	80x11x11.5	11.6
4SF6/7-0.55	47x10x10.5	4.1	40x11x11.5	8.9	94x11x11.5	13.9
4SF6/8-0.75	50x10x10.5	4.3	42x11x11.5	9.8	103x11x11.5	15.4
4SF6/11-1.1	64x10x10.5	5.5	47x11x11.5	11.8	123x11x11.5	18.9
4SF6/15-1.5	78x10x10.5	6.7	51x11x11.5	14.2	148x11x11.5	23.3
4SF6/20-2.2	95x10x10.5	8.1	55x11x11.5	15.9	176x11x11.5	29.0
4SF6/26-3	119x10x10.5	10.4	62x11x11.5	20.7		
4SF6/34-4	150x10x10.5	13.1	70x11x11.5	24.3		
4SF6/48-5.5	210x10x10.5	21.6	78x11x11.5	30.1		
4SF6/60-7.5	252x10x10.5	26.1	85x11x11.5	34.2		

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)
4SFm8/5-0.55		41x10x10.5	3.7	35x11x11.5	8.8	74x11x11.5	12.5
4SFm8/7-0.75		48x10x10.5	4.2	37x11x11.5	9.6	84x11x11.5	13.8
4SFm8/9-1.1		55x10x10.5	4.9	43x11x11.5	11.7	96x11x11.5	16.7
4SFm8/12-1.5		70x10x10.5	6.0	48x11x11.5	14.1	116x11x11.5	20.2
4SFm8/17-2.2		88x10x10.5	7.6	57x11x11.5	18.3	143x11x11.5	26.4
Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF8/5-0.55		41x10x10.5	3.7	40x11x11.5	8.9	79x11x11.5	12.6
4SF8/7-0.75		48x10x10.5	4.2	42x11x11.5	9.8	88x11x11.5	14.0
4SF8/9-1.1		55x10x10.5	4.9	47x11x11.5	11.8	101x11x11.5	16.8
4SF8/12-1.5		70x10x10.5	6.0	51x11x11.5	14.2	119x11x11.5	20.3
4SF8/17-2.2		88x10x10.5	7.6	55x11x11.5	15.9	141x11x11.5	23.7
4SF8/23-3		113x10x10.5	9.7	62x11x11.5	20.7		
4SF8/30-4		142x10x10.5	12.3	70x11x11.5	24.3		
4SF8/42-5.5		197x10x10.5	19.9	78x11x11.5	30.1		
4SF8/56-7.5		255x10x10.5	26	85x11x11.5	34.2		

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)
4SFm10/5-0.75		42x10x10.5	3.7	37x11x11.5	9.6	77x11x11.5	13.3
4SFm10/7-1.1		49x10x10.5	4.3	43x11x11.5	11.7	91x11x11.5	16.1
4SFm10/10-1.5		64x10x10.5	5.5	48x11x11.5	14.1	111x11x11.5	19.8
4SFm10/14-2.2		79x10x10.5	6.9	57x11x11.5	18.3	135x11x11.5	25.7
Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF10/5-0.75		42x10x10.5	3.7	42x11x11.5	9.8	82x11x11.5	13.5
4SF10/7-1.1		49x10x10.5	4.3	47x11x11.5	11.8	95x11x11.5	16.2
4SF10/10-1.5		64x10x10.5	5.5	51x11x11.5	14.2	114x11x11.5	19.9
4SF10/14-2.2		79x10x10.5	6.9	55x11x11.5	15.9	133x11x11.5	23.0
4SF10/18-3		98x10x10.5	8.5	62x11x11.5	20.7		
4SF10/22-4		113x10x10.5	9.8	70x11x11.5	24.3		
4SF10/30-5.5		147x10x10.5	12.7	78x11x11.5	30.1		
4SF10/38-7.5		181x10x10.5	17.9	85x11x11.5	34.2		

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)
4SFm12/4-0.75		41x10x10.5	3.7	37x11x11.5	9.6	85x11x11.5	13.6
4SFm12/6-1.1		48x10x10.5	4.2	43x11x11.5	11.7	101x11x11.5	16.7
4SFm12/8-1.5		55x10x10.5	4.9	48x11x11.5	14.1	121x11x11.5	20.0
4SFm12/12-2.2		70x10x10.5	6.0	57x11x11.5	18.3	152x11x11.5	26.5
Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF12/4-0.75		49x10x10.5	4.2	42x11x11.5	9.8	89x11x11.5	13.8
4SF12/6-1.1		60x10x10.5	5.2	47x11x11.5	11.8	106x11x11.5	16.8
4SF12/8-1.5		74x10x10.5	6.2	51x11x11.5	14.2	124x11x11.5	20.2
4SF12/12-2.2		96x10x10.5	8.2	55x11x11.5	18.3	150x11x11.5	23.9
4SF12/16-3		122x10x10.5	10.1	62x11x11.5	20.7		
4SF12/22-4		155x10x10.5	13	70x11x11.5	24.3		
4SF12/30-5.5		206x10x10.5	19	78x11x11.5	30.1		
4SF12/38-7.5		254x10x10.5	23.6	85x11x11.5	34.2		

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)
4SFm16/4-1.1		54x10x10.5	4.4	43x11x11.5	11.7	96x11x11.5	16.0
4SFm16/6-1.5		68x10x10.5	6.9	48x11x11.5	14.1	115x11x11.5	20.7
4SFm16/9-2.2		93x10x10.5	8.0	57x11x11.5	18.3	148x11x11.5	26.3
Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
4SF16/4-1.1		54x10x10.5	4.4	47x11x11.5	11.8	100x11x11.5	16.1
4SF16/6-1.5		68x10x10.5	6.9	51x11x11.5	14.2	118x11x11.5	20.8
4SF16/9-2.2		93x10x10.5	8.0	55x11x11.5	15.9	146x11x11.5	23.6
4SF16/12-3		117x10x10.5	11.6	62x11x11.5	20.7		
4SF16/16-4		144x10x10.5	14.1	70x11x11.5	24.3		
4SF16/21-5.5		182x10x10.5	19	78x11x11.5	30.1		
4SF16/27-7.5		227x10x10.5	22.4	85x11x11.5	34.2		

4SP Series

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SP Series

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

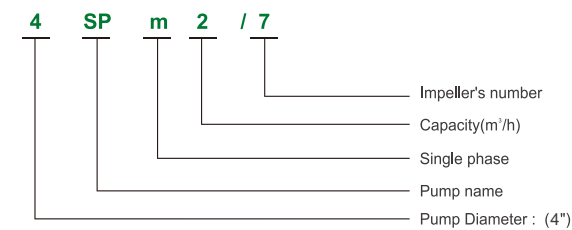
- Flow: up to 10.8m³/h (180L/min)
- Head: up to 302m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.5HP(0.37kw) -- 10HP(7.5kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- -Three phase 380-415V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).

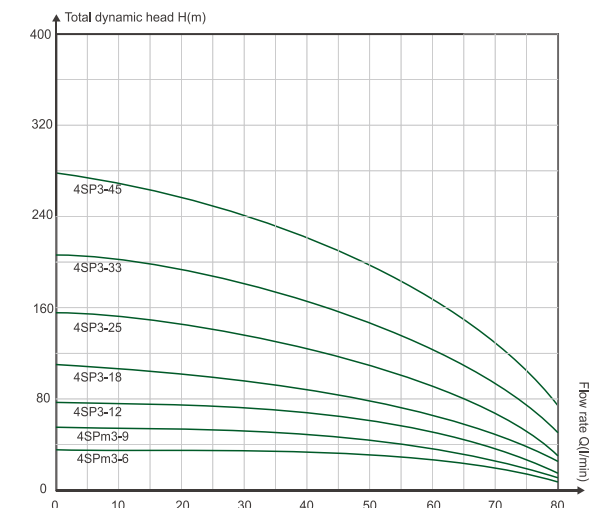
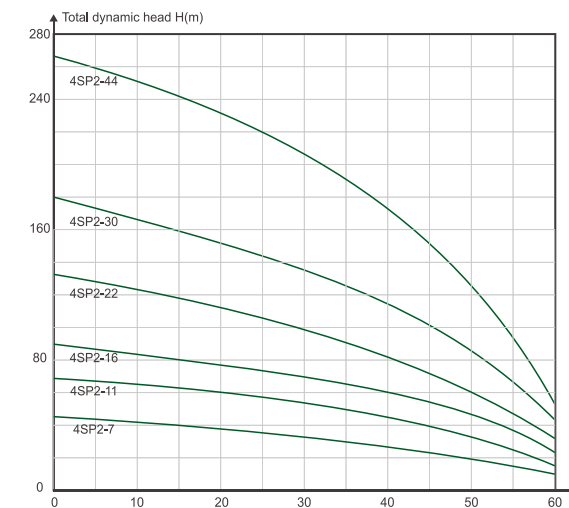


COMPONENTS

Pump casing
Outlet
Inlet
Strainer
Diffuser
Impeller
Pump shaft
Shaft coupling
Motor casing
Mechanical seal
Top chock
Motor shaft
Bearing
Seal lubricant oil

MATERIAL

AISI 304SS/201SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS/201SS
AISI 304SS/201SS
AISI 304SS/201SS
Graphite-ceramic/TC
Cast-Cu/Cast-iron
AISI 304SS
NSK/C&U
10# White Oil



PERFORMANCE TABLE:

Type		Motor power		Delivery N≈2850r/min																
1~220V-240V	3~380V-415V	KW	HP	Q m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6			
4SPm2/7	4SP2/7	0.37	0.5	H(m)	42	41	38	36	35	33	32	30	27	23	21	15	10			
4SPm2/11	4SP2/11	0.55	0.75		66	65	59	57	55	52	51	47	42	36	34	24	15			
4SPm2/16	4SP2/16	0.75	1		96	94	86	83	80	76	74	69	61	53	50	35	22			
4SPm2/22	4SP2/22	1.1	1.5		132	130	121	117	110	105	101	98	84	75	70	48	31			
4SPm2/30	4SP2/30	1.5	2		180	177	165	159	150	143	138	134	114	102	96	66	42			
4SPm2/44	4SP2/44	2.2	3		264	260	242	233	220	209	202	196	167	150	141	97	62			

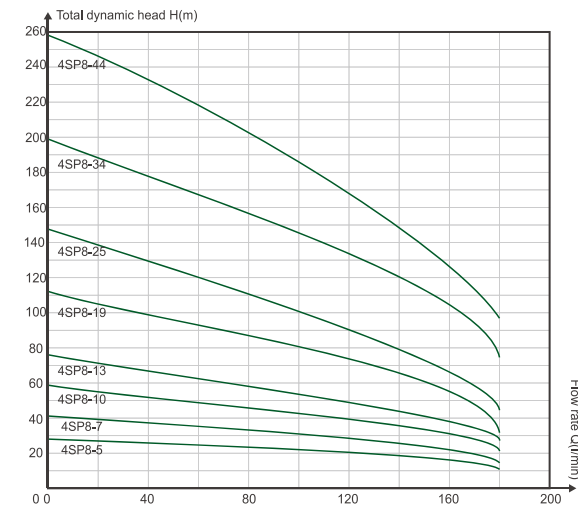
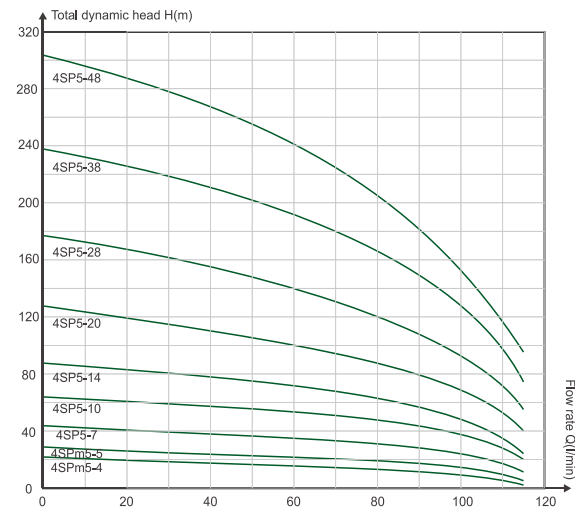
Type		Motor power		Delivery N≈2850r/min										
1~220V-240V	3~380V-415V	KW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	
4SPm3/6		0.37	0.5	H(m)	37	35	33	31	29	26	22	17	9	
4SPm3/9		0.55	0.75		56	53	50	47	44	40	33	25	14	
4SPm3/12	4SP3/12	0.75	1		74	70	66	62	59	53	45	33	18	
4SPm3/18	4SP3/18	1.1	1.5		112	106	99	93	88	79	67	50	28	
4SPm3/25	4SP3/25	1.5	2		155	147	138	130	123	110	93	70	39	
4SPm3/33	4SP3/33	2.2	3		205	194	182	171	162	145	122	92	51	
	4SP3/45	3	4		279	264	248	234	221	198	167	125	69	

4SP Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

Type		Motor power		Q m³/h l/min	Delivery N≈2850r/min										
1~ 220V-240V	3~ 380-415V	KW	HP		0	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2
4SPm5/4		0.37	0.5	H(m)	0	30	40	50	60	70	80	90	100	110	120
4SPm5/5		0.55	0.75		25	23	22	21	20	19	18	17	14	11	8
4SPm5/7	4SP5/7	0.75	1		32	29	28	27	25	24	23	22	18	14	10
4SPm5/10	4SP5/10	1.1	1.5		44	41	39	37	35	34	32	30	25	20	14
4SPm5/14	4SP5/14	1.5	2		63	58	56	53	50	48	46	44	35	28	20
4SPm5/20	4SP5/20	2.2	3		88	81	78	74	70	67	64	61	49	39	28
	4SP5/28	3	4		126	116	112	106	100	96	91	87	70	56	40
	4SP5/38	4	5.5		176	162	157	148	140	134	127	122	98	78	56
	4SP5/48	5.5	7.5		239	220	213	201	190	182	173	165	133	106	76
					302	278	269	254	240	230	218	209	168	134	96

Type		Motor power			Delivery N ≈ 2850r/min								
1~ 220V-240V	3~ 380V-415V	KW	HP	Q m³/h l/min	0	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
					0	40	60	80	100	120	140	160	180
4SPm8/5	4SP8/5	0.75	1	H(m)	29	25	23	22	21	20	18	15	11
4SPm8/7	4SP8/7	1.1	1.5		41	35	32	31	30	28	25	21	15
4SPm8/10	4SP8/10	1.5	2		59	51	46	44	42	40	36	30	22
4SPm8/13	4SP8/13	2.2	3		76	66	60	57	55	52	47	39	29
	4SP8/19	3	4		111	96	87	84	81	76	68	57	42
	4SP8/25	4	5.5		147	126	115	110	106	100	90	75	55
	4SP8/34	5.5	7.5		199	172	156	150	144	136	122	102	75
	4SP8/44	7.5	10		258	222	202	194	187	176	158	132	97

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SP Series

PACKAGING INFORMATION

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SPm2/7-0.37	34x10x10.5	3.34	44x11x11.5	7.6	70x11x11.5	10.94
4SPm2/11-0.55	42x10x10.5	4.24	47x11x11.5	8.82	81x11x11.5	13.06
4SPm2/16-0.75	53x10x10.5	5.5	49x11x11.5	10.1	94x11x11.5	15.6
4SPm2/22-1.1	65x10x10.5	6.8	54x11x11.5	11.5	111x11x11.5	18.3
4SPm2/30-1.5	82x10x10.5	8.66	58x11x11.5	14.32	132x11x11.5	22.98
4SPm2/44-2.2	111x10x10.5	12.1	67x11x12.5	18.54	170x11x12.5	30.64
Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SP2/7-0.37	34x10x10.5	3.34	44x11x11.5	7.6	70x11x11.5	10.94
4SP2/11-0.55	42x10x10.5	4.24	47x11x11.5	8.82	81x11x11.5	13.06
4SP2/16-0.75	53x10x10.5	5.5	49x11x11.5	10.1	94x11x11.5	15.6
4SP2/22-1.1	65x10x10.5	6.8	54x11x11.5	11.5	111x11x11.5	18.3
4SP2/30-1.5	82x10x10.5	8.66	58x11x11.5	14.32	132x11x11.5	22.98
4SP2/44-2.2	111x10x10.5	12.1	62x11x12.5	18.54	165x11x12.5	29.64

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SPm3/6-0.37	32x10x10.5	3.25	44x11x11.5	7.6	68x11x11.5	10.58
4SPm3/9-0.55	38x10x10.5	3.86	47x11x11.5	8.82	77x11x11.5	12.82
4SPm3/12-0.75	44x10x10.5	4.46	49x11x11.5	10.1	85x11x11.5	14.42
4SPm3/18-1.1	57x10x10.5	6.08	54x11x11.5	11.5	103x11x11.5	17.48
4SPm3/25-1.5	72x10x10.5	7.6	58x11x11.5	14.32	122x11x11.5	20.71
4SPm3/33-2.2	89x10x10.5	9.25	67x11x12.5	18.54	148x11x12.5	25.12
Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SP3/12-0.75	32x10x10.5	3.25	49x11x11.5	10.1	85x11x11.5	14.42
4SP3/18-1.1	38x10x10.5	3.86	54x11x11.5	11.5	103x11x11.5	17.48
4SP3/25-1.5	44x10x10.5	4.46	58x11x11.5	14.32	122x11x11.5	20.71
4SP3/33-2.2	57x10x10.5	6.08	62x11x12.5	18.54	143x11x12.5	24.12

4SP Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

PACKAGING INFORMATION

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SPm5/4-0.37			44x11x11.5	7.6	65x11x11.5	13.48
4SPm5/5-0.55			47x11x11.5	8.82	70x11x11.5	14.51
4SPm5/7-0.75	36x10x10.5	3.69	49x11x11.5	10.1	77x11x11.5	15.96
4SPm5/10-1.1	43x10x10.5	4.4	54x11x11.5	11.5	89x11x11.5	18.44
4SPm5/14-1.5	53x10x10.5	5.34	58x11x11.5	14.32	103x11x11.5	19.38
4SPm5/20-2.2	67x10x10.5	6.88	67x11x12.5	18.54	126x11x12.5	23.71
Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SP5/7-0.75	36x10x10.5	3.69	49x11x11.5	10.1	77x11x11.5	15.96
4SP5/10-1.1	43x10x10.5	4.4	54x11x11.5	11.5	89x11x11.5	18.44
4SP5/14-1.5	53x10x10.5	5.34	58x11x11.5	14.32	103x11x11.5	19.38
4SP5/20-2.2	67x10x10.5	6.88	62x11x12.5	18.54	121x11x12.5	22.71

Single-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SPm8/5-0.75	45x10x10.5	4.75	44x11x11.5	7.6	86x11x11.5	14.8
4SPm8/7-1.1	54x10x10.5	5.7	47x11x11.5	8.82	100x11x11.5	17.2
4SPm8/10-1.5	67x10x10.5	7.34	49x11x11.5	10.1	117x11x11.5	21.66
4SPm8/13-2.2	79x10x10.5	8.72	54x11x11.5	11.5	138x11x12.5	27.26
Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
Model						
4SP8/5-0.75	45*10*10.5	4.75	49*11*11.5	10.1	86*11*11.5	14.8
4SP8/7-1.1	54*10*10.5	5.7	54*11*11.5	11.5	100*11*11.5	17.2
4SP8/10-1.5	67*10*10.5	7.34	58*11*11.5	14.32	117*11*11.5	21.66
4SP8/13-2.2	79*10*10.5	8.72	62*11*12.5	18.54	133*11*12.5	26.26

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

5QJ(SS) Strong Anti-sand Series

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

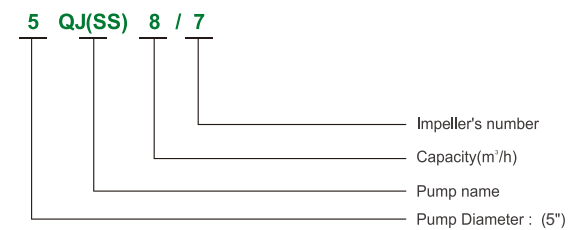
- Flow: up to 24m³/h (400l/min)
- Head: up to 481m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 25000 g/m³ (2.5%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 2HP(1.5kw) – 20HP(15kw)
- Three phase 380-415V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).

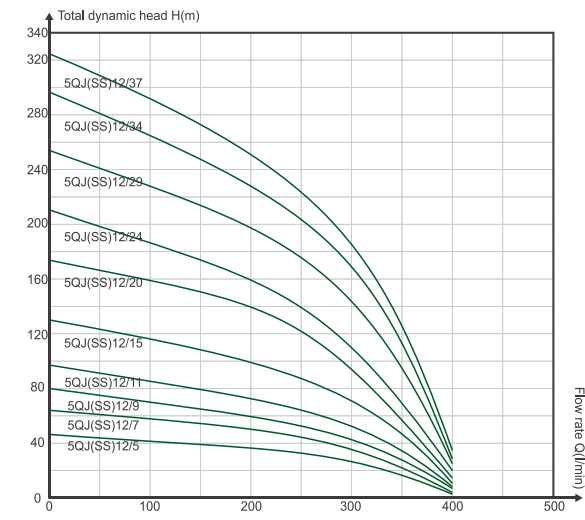
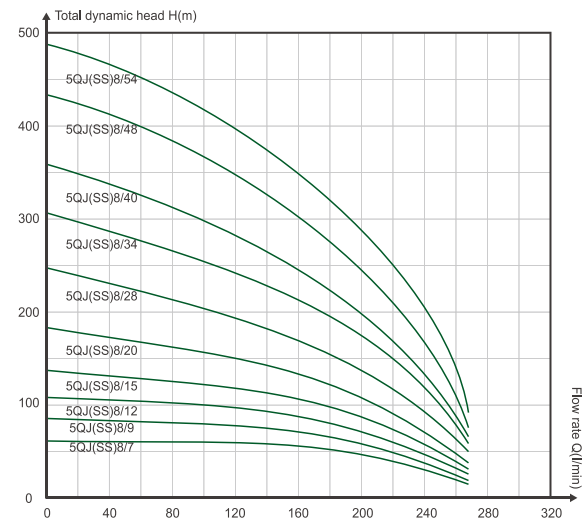


COMPONENTS	MATERIAL	MATERIAL
Pump casing	AISI 304SS/201SS	AISI 304SS/201SS
Outlet	Cast-iron	AISI 304SS
Inlet	Cast-iron	AISI 304SS
Strainer	AISI 304SS/201SS	AISI 304SS/201SS
Diffuser	PC	PC
Impeller	POM	POM
Pump shaft	AISI 304SS/201SS	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS	AISI 304SS/201SS
Motor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



5QJ

5SS



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min								
3~380V-415V	KW	HP	DN	Q	m³/h	0	3	6	9	12	15	16
					l/min	0	50	100	150	200	250	267
5QJ(SS)8/7	1.5	2	2"	H(m)		62	59	54	47	34	22	13
5QJ(SS)8/9	2.2	3	2"			80	76	70	60	44	28	16
5QJ(SS)8/12	3	4	2"			107	101	93	80	58	37	22
5QJ(SS)8/15	4	5.5	2"			134	127	116	101	73	47	27
5QJ(SS)8/20	5.5	7.5	2"			178	169	155	134	97	62	36
5QJ(SS)8/28	7.5	10	2"			249	237	216	188	136	87	50
5QJ(SS)8/34	9.2	12.5	2"			303	287	263	228	165	105	61
5QJ(SS)8/40	11	15	2"			356	338	309	268	194	124	72
5QJ(SS)8/48	13	18	2"			428	406	371	322	233	149	86
5QJ(SS)8/54	15	20	2"			481	456	417	362	262	167	97

Type	Motor power		Outlet	Delivery N≈2850r/min										
3~380V-415V	KW	HP	DN	Q	m³/h	0	3	6	9	12	15	18	21	24
					l/min	0	50	100	150	200	250	300	350	400
5QJ(SS)12/5	1.5	2	2"	H(m)	44	41	39	36	33	29	22	16	4	
5QJ(SS)12/7	2.2	3	2"		62	57	55	50	47	41	31	24	5	
5QJ(SS)12/9	3	4	2"		80	74	70	65	60	55	41	32	9	
5QJ(SS)12/11	4	5.5	2"		96	87	86	79	73	65	48	35	7	
5QJ(SS)12/15	5.5	7.5	2"		130	121	117	108	100	87	64	50	11	
5QJ(SS)12/20	7.5	10	2"		174	162	156	144	134	121	90	70	16	
5QJ(SS)12/24	9.2	12.5	2"		210	195	187	173	160	145	105	83	20	
5QJ(SS)12/29	11	15	2"		253	236	226	209	194	171	126	90	24	
5QJ(SS)12/34	13	18	2"		297	276	265	245	227	205	149	115	28	
5QJ(SS)12/37	15	20	2"		322	301	289	266	247	224	168	130	30	

PACKAGING INFORMATION

Three-phase	Pump body size (cm)	Pump body weight(kg)	Motor size (cm)	Motor weight(kg)	Whole pump size (cm)	Whole pump weight(kg)
Model						
5QJ8/7-1.5	60x14x14	9.5	52x16x16	21		
5QJ8/9-2.2	68x14x14	10	54x16x16	23.5		
5QJ8/12-3.0	83x14x14	13.5	58x16x16	27		
5QJ8/15-4.0	95x14x14	14	60x16x16	29		
5QJ8/20-5.5	114x14x14	17	68x16x16	32.1		
5QJ8/28-7.5	149x14x14	20	76x16x16	40.3		
5QJ8/34-9.2	188x14x14	31.2	84x16x16	50.75		
5QJ8/40-11	221x14x14	35.4	92.5x16x16	57		
5QJ8/48-13	251x14x14	39.6	98x16x16	60.6		
5QJ8/48-15	274x14x14	43	103x16x16	65.4		
Three-phase	Pump body size (cm)	Pump body weight(kg)	Motor size (cm)	Motor weight(kg)	Whole pump size (cm)	Whole pump weight(kg)
Model						
5SS8/7-1.5	55x14x14	8.8	52x16x16	21		
5SS8/9-2.2	63x14x14	9.5	54x16x16	23.5		
5SS8/12-3.0	79x14x14	11.4	58x16x16	27		
5SS8/15-4.0	90x14x14	12.8	60x16x16	29		
5SS8/20-5.5	109x14x14	14.9	68x16x16	32.1		
5SS8/28-7.5	145x14x14	18.9	76x16x16	40.3		
5SS8/34-9.2	188x14x14	31.2	84x16x16	50.75		
5SS8/40-11	221x14x14	35.2	92.5x16x16	57		
5SS8/48-13	251x14x14	39.6	98x16x16	60.6		
5SS8/48-15	274x14x14	43	103x16x16	65.4		

Three-phase	Pump body size (cm)	Pump body weight(kg)	Motor size (cm)	Motor weight(kg)	Whole pump size (cm)	Whole pump weight(kg)
Model						
5QJ12/5-1.5	56x14x14	9	52x16x16	21		
5QJ12/7-2.2	65x14x14	9.5	54x16x16	23.5		
5QJ12/9-3.0	74x14x14	12.5	58x16x16	27		
5QJ12/11-4.0	87x14x14	13.5	60x16x16	29		
5QJ12/15-5.5	105x14x14	15.5	68x16x16	32.1		
5QJ12/20-7.5	132x14x14	18.5	76x16x16	40.3		
5QJ12/24-9.2	146x14x14	23	84x16x16	50.75		
5QJ12/29-11	169x14x14	29.5	92.5x16x16	57		
5QJ12/34-13	212x14x14	33.6	98x16x16	60.6		
5QJ12/37-15	226x14x14	35.8	103x16x16	65.4		
Three-phase	Pump body size (cm)	Pump body weight(kg)	Motor size (cm)	Motor weight(kg)	Whole pump size (cm)	Whole pump weight(kg)
Model						
5SS12/5-1.5	51x14x14	8	52x16x16	21		
5SS12/7-2.2	60x14x14	9.3	54x16x16	23.5		
5SS12/9-3.0	69x14x14	10.7	58x16x16	27		
5SS12/11-4.0	82x14x14	12.1	60x16x16	29		
5SS12/15-5.5	101x4x14	14.2	68x16x16	32.1		
5SS12/20-7.5	127x14x14	17.7	76x16x16	40.3		
5SS12/24-9.2	146x14x14	23	84x16x16	50.75		
5SS12/29-11	169x14x14	29.5	92.5x16x16	57		
5SS12/34-13	212x14x14	33.6	98x16x16	60.6		
5SS12/37-15	226x14x14	35.8	103x16x16	65.4		

6SR Series

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

6SR Series

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

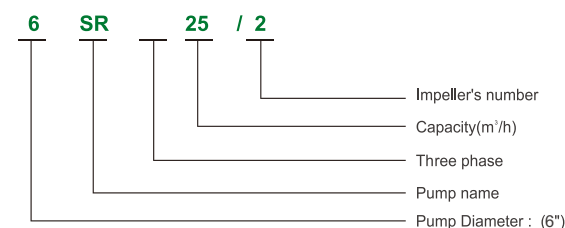
- Flow: up to 45m³/h (750L/min)
- Head: up to 185m
- Maximum water temperature: 35℃
- Maximum allowable amount of sand 2500 g/m³ (0.25%)

MOTOR AND PUMP

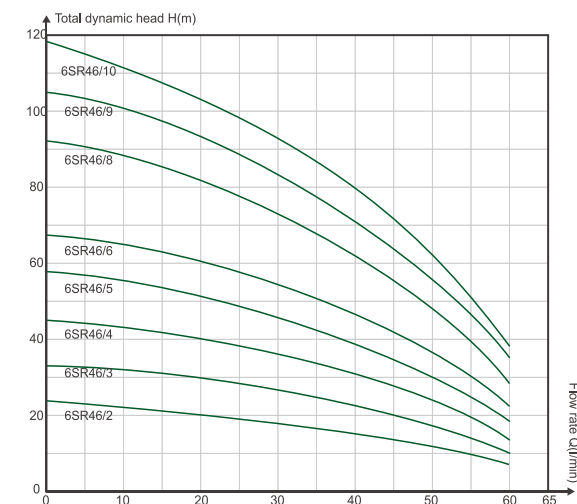
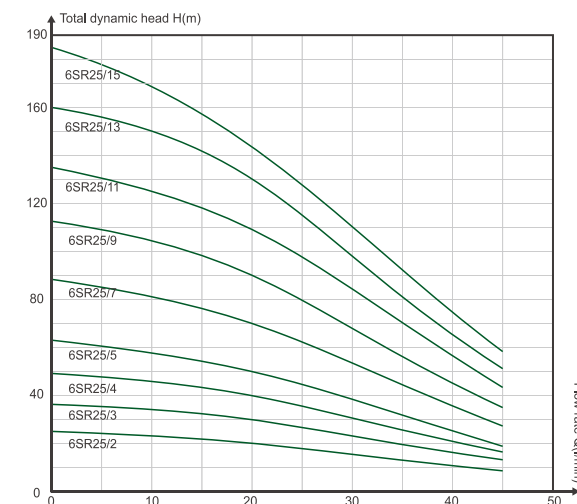
- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 3HP(2.2kw) -- 20HP(15kw)
- -Three phase 380-415V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-iron
Inlet	Cast-iron
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	PPO
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									
3~380V-415V	KW	HP	DN	Q m³/h l/min	0	10	15	20	25	30	35	40	45
6SR25/2	2.2	3	3"	H(m)	0	165	250	330	415	500	580	665	750
6SR25/3	3	4	3"		25	22	21	20	17	15	13	10	8
6SR25/4	4	5.5	3"		37	34	31	30	26	22	19	15	12
6SR25/5	5.5	7.5	3"		49	45	42	40	35	30	26	20	16
6SR25/7	7.5	10	3"		62	56	52	50	43	37	32	25	19
6SR25/9	9.2	12.5	3"		89	79	73	70	61	52	45	35	27
6SR25/11	11	15	3"		113	101	93	90	78	67	58	45	35
6SR25/13	13	18	3"		135	124	114	110	95	81	71	55	43
6SR25/15	15	20	3"		160	146	135	130	113	96	84	65	51
6SR25/15	15	20	3"		185	169	156	150	130	111	97	75	58

Type	Motor power		Outlet	Delivery N≈2850r/min								
3~380V-415V	KW	HP	DN	Q	m³/h	0	10	20	30	40	50	60
				l/min	0	167	333	500	667	833	1000	
6SR46/2	3	4	3"	H(m)	23	22	20	18	16	12	7	
6SR46/3	4	5.5	3"		34	32	30	27	23	17	10	
6SR46/4	5.5	7.5	3"		45	43	40	36	31	23	14	
6SR46/5	7.5	10	3"		58	55	50	45	39	30	18	
6SR46/6	9.2	12.5	3"		69	67	61	55	47	37	21	
6SR46/8	11	15	3"		92	87	81	72	61	46	28	
6SR46/9	13	18	3"		106	102	95	85	71	57	35	
6SR46/10	15	20	3"		118	113	105	94	79	63	39	

6SR Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

6SP Series

PACKAGING INFORMATION

Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SR25/2-2.2						45x14x14	13.98
6SR25/3-3.0						53x14x14	15.52
6SR25/4-4.0						62x14x14	16.92
6SR25/5-5.5						69x14x14	18.35
6SR25/7-5.5						85x14x14	21.8
6SR25/9-5.5						101x14x14	24.98
6SR25/11-11						116x14x14	27.8
6SR25/13-13						132x14x14	30.4
6SR25/15-15						148x14x14	33.48

Model	Three-phase	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SR46/2-3.0						51x14x14	16.3
6SR46/3-4.0						62x14x14	18.6
6SR46/4-5.5						74x14x14	20.9
6SR46/5-7.5						85x14x14	22.7
6SR46/6-9.2						96x14x14	24.9
6SR46/8-11						118x14x14	28.5
6SR46/9-13						130x14x14	30.8
6SR46/10-15						141x14x14	32.3

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

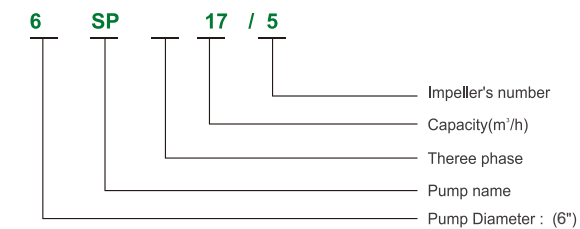
- Flow: up to 80m³/h (1333L/min)
- Head: up to 270m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 4HP(3kw) – 20HP(15kw)
- -Three phase 380-415V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



COMPONENTS

Pump casing
Outlet
Inlet
Strainer
Diffuser
Impeller
Pump shaft
Shaft coupling
Motor casing
Mechanical seal
Top chock
Motor shaft
Bearing
Seal lubricant oil

MATERIAL

AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS
AISI 304SS/201SS
Graphite-ceramic/TC
Cast-Cu/Cast-iron
AISI 304SS
NSK/C&U
10# White Oil

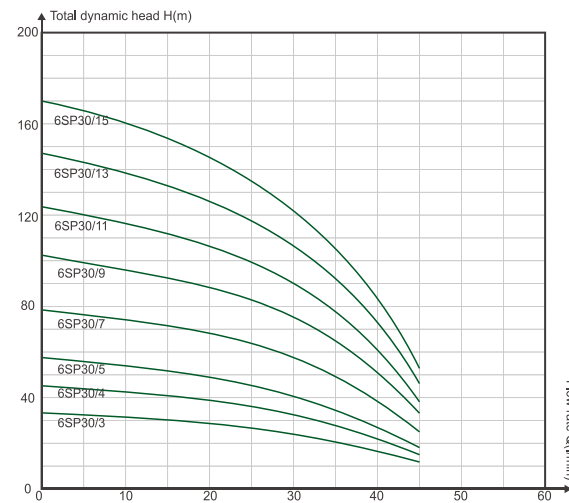
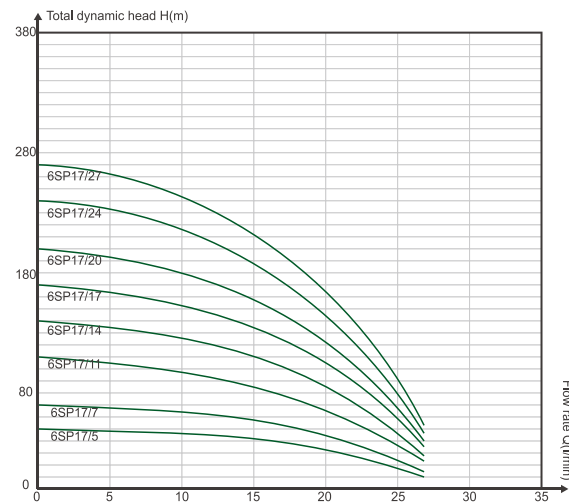


6SP Series

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

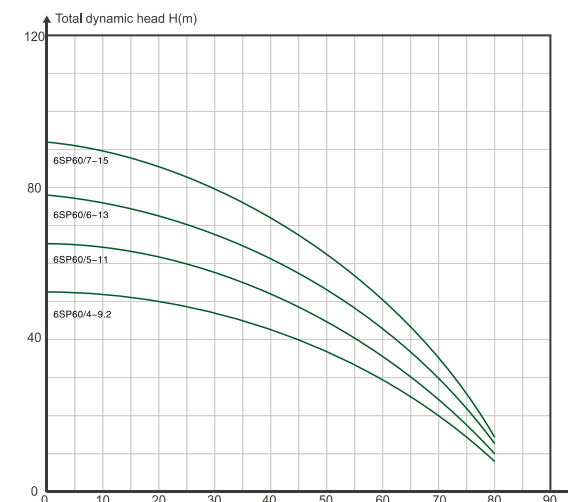
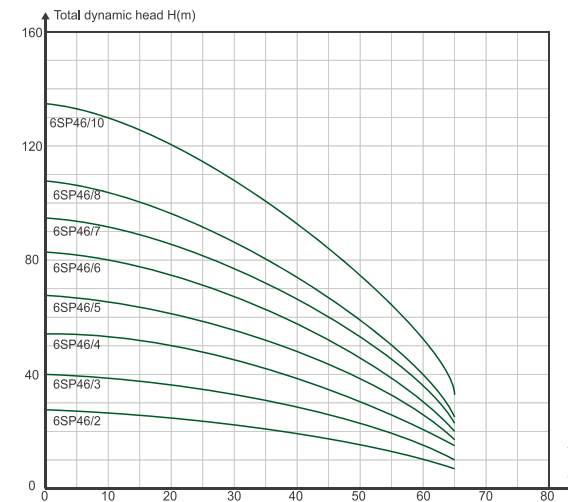
Type	Motor power		Outlet	Delivery N≈2850r/min									
3~380V-415V	KW	HP	DN	Q m³/h l/min	0	9	12	15	18	21	24	27	
					0	150	200	250	300	350	400	450	
6SP17/5	3	4	2"/3"	H(m)	50	45	41	39	35	30	18	10	
6SP17/7	4	5.5	2"/3"		70	63	57	55	49	42	26	14	
6SP17/11	5.5	7.5	2"/3"		110	99	90	86	77	66	41	22	
6SP17/14	7.5	10	2"/3"		140	126	115	109	98	84	52	28	
6SP17/17	9.2	12.5	2"/3"		170	153	139	133	119	102	63	34	
6SP17/20	11	15	2"/3"		200	180	154	156	140	120	74	40	
6SP17/24	13	18	2"/3"		240	216	197	187	168	144	89	48	
6SP17/27	15	20	2"/3"		270	243	221	211	189	162	100	54	

Type	Motor power		Outlet	Delivery N≈2850r/min									
3~380V-415V	KW	HP	DN	Q m³/h l/min	0	10	15	20	25	30	35	40	45
					0	165	250	330	415	500	580	665	750
6SP30/3	3	4	2"/3"	H(m)	34	32	31	29	27	25	21	17	11
6SP30/4	4	5.5	2"/3"		45	42	41	38	36	33	28	22	14
6SP30/5	5.5	7.5	2"/3"		57	53	51	48	45	41	35	28	18
6SP30/7	7.5	10	2"/3"		79	74	71	67	63	57	49	39	25
6SP30/9	9.2	12.5	2"/3"		102	95	92	86	81	74	63	50	32
6SP30/11	11	15	2"/3"		124	117	112	106	99	90	77	62	39
6SP30/13	13	18	2"/3"		147	138	133	125	117	107	91	73	46
6SP30/15	15	20	2"/3"		170	159	153	144	135	123	105	83	53

SINCE1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min									
3~380V-415V	KW	HP	DN	Q m³/h l/min	0	10	20	30	40	46	50	60	65
					0	165	330	500	665	765	850	1000	1085
6SP46/2	3	4	3"	H(m)	27	26	24	21	19	17	15	10	7
6SP46/3	4	5.5	3"		40	39	36	32	28	26	22	15	10
6SP46/4	5.5	7.5	3"		54	52	48	42	37	34	29	20	13
6SP46/5	7.5	10	3"		67	65	59	53	47	43	37	25	17
6SP46/6	9.2	12.5	3"		81	78	71	63	56	51	44	30	20
6SP46/7	11	15	3"		94	91	83	74	65	60	51	35	23
6SP46/8	13	18	3"		108	104	95	84	74	68	59	40	26
6SP46/10	15	20	3"		135	130	119	105	93	85	74	50	33

Type	Motor power		Outlet	Delivery N≈2850r/min									
3~380V-415V	KW	HP	DN	Q m³/h l/min	0	10	20	30	40	50	60	70	80
					0	165	300	500	665	830	1000	1165	1333
6SP60/4	9.2	12.5	3"	H(m)	52	51	50	45	39	34	29	20	8
6SP60/5	11	15	3"		65	64	63	57	49	43	36	25	10
6SP60/6	13	18	3"		78	76	75	68	58	51	43	30	12
6SP60/7	15	20	3"		91	89	88	79	68	60	50	35	14

PACKAGING INFORMATION

Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SP17/5-3.0					42x15x15	10
6SP17/7-4.0					61x15x15	13.14
6SP17/11-5.5					79x15x15	17.6
6SP17/14-7.5					92x15x15	22.1
6SP17/17-9.2					106x15x15	25.5
6SP17/20-11					120x15x15	28.9
6SP17/24-13					137x15x15	33.38
6SP17/27-15					151x15x15	36.42

Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SP30/3-3.0					63x15x15	10.62
6SP30/4-4.0					75x15x15	13.42
6SP30/5-5.5					86x15x15	16.22
6SP30/7-7.5					108x15x15	21.9
6SP30/9-9.2					131x15x15	28.1
6SP30/11-11					154x15x15	33.5
6SP30/13-13					176x15x15	38.1
6SP30/15-15					199x15x15	43.8

PACKAGING INFORMATION

Three-phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SP46/2-3.0					52x15x15	10
6SP46/3-4.0					63x15x15	13
6SP46/4-5.5					74x15x15	15.4
6SP46/5-7.5					86x15x15	18.14
6SP46/6-9.2					97x15x15	20.78
6SP46/7-11					109x15x15	23.27
6SP46/8-13					120x15x15	25.8
6SP46/10-15					142x15x15	31.1

Three -phase Model	Pump body size(cm)	Pump body weight(kg)	Motor size(cm)	Motor weight(kg)	Whole pump size(cm)	Whole pump weight(kg)
6SP60/4-9.2					75x15x15	15.54
6SP60/5-11					86x15x15	18.32
6SP60/6-13					97x15x15	21.11
6SP60/7-15					109x15x15	23.64

4DN Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

APPLICATIONS

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

OPERATING CONDITONS

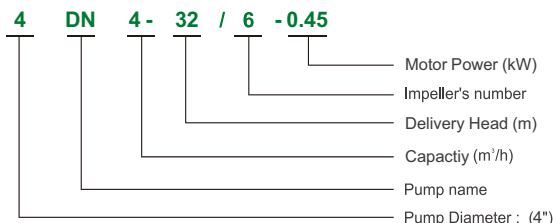
- Flow: up to 7m³/h (117L/min)
- Head: up to 59m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

- Maximum immersion depth: 30m
- Horse Power range: 0.5HP(0.37kw) – 1HP(0.75kw)
- -Single phase 220-240V/50Hz
- Class of Insulation: B
- Degree of Protection: IP 68

WARRANTY:1 YEAR

- (According to our general sales conditions).



COMPONENTS	MATERIAL
Pump casing	AISI 201SS
Outlet	PPO-GF
Seat	PPO-GF
Strainer	AISI 201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS

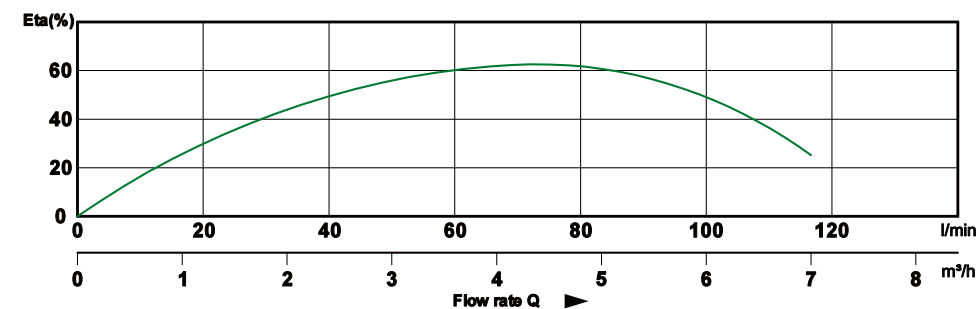
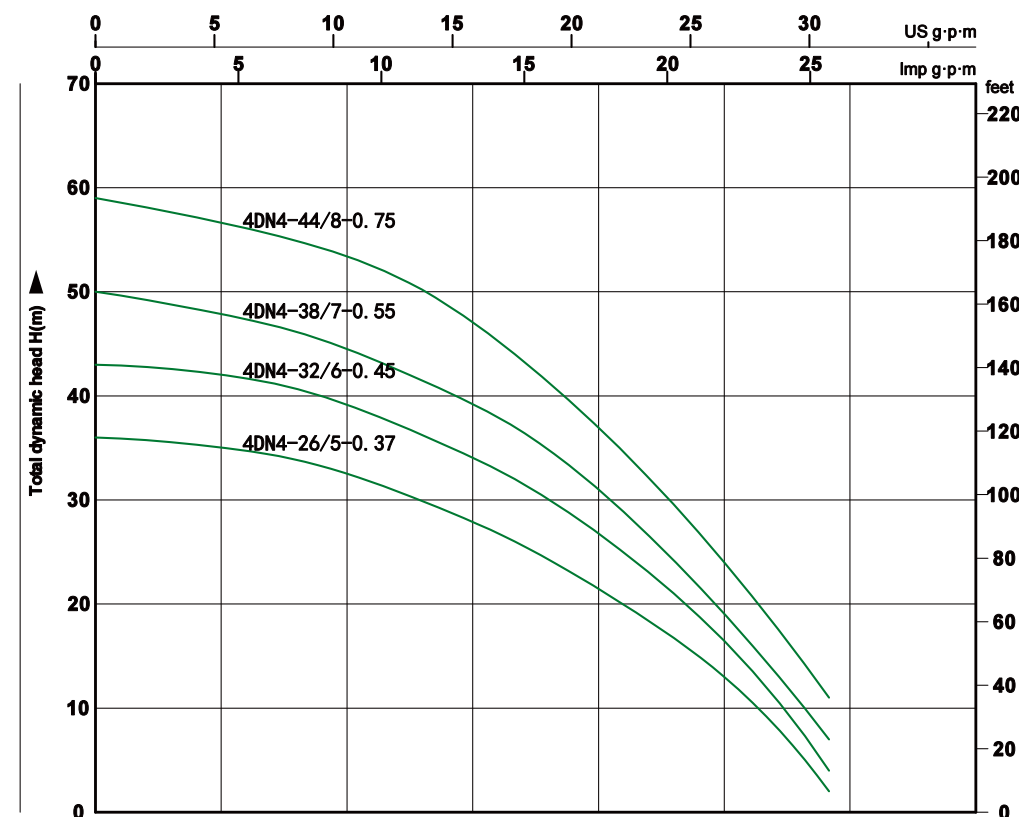


SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4DN Series



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min									
1~220V-240V	KW	HP	DN	Q	m³/h	0	1.2	2.4	3.6	4.0	4.8	6.0	7.0
					l/min	0	20	40	60	67	80	100	117
4DN-26/5-0.37	0.37	0.5	1.25"	H(m)	36	35	32	28	26	21	13	2	
4DN-32/6-0.45	0.45	0.6	1.25"		43	42	39	34	32	26	17	4	
4DN-38/7-0.55	0.55	0.75	1.25"		50	48	45	40	38	31	19	7	
4DN-44/8-0.75	0.75	1.0	1.25"		59	57	53	47	44	37	24	11	

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

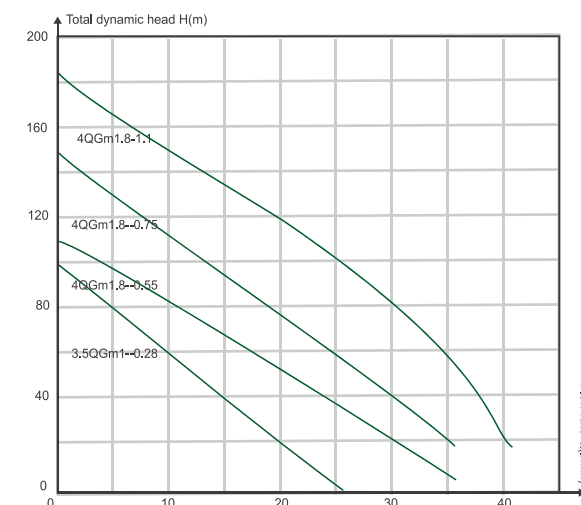
OPERATING CONDITONS

- Flow: up to 2.4m³/h (40L/min)
- Head: up to 185m
- Maximum water temperature: 35 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 0.38HP(0.28kw) — 1.5HP(1.1kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

COMPONENTS	MATERIAL
Outlet	AISI 201SS
Strainer	AISI 201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Seal lubricant oil	10# White Oil



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N 2850r/min												
1~ 220V-240V	KW	HP	DN	Q - m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4			
3.5QGm1-0.28	0.28	0.38	1"	H(m)	0	5	10	15	20	25	30	35	40			
4QGm1.8-0.55	0.55	0.75	1"		100	80	62	40	21	2						
4QGm1.8-0.75	0.75	1	1"		110	100	84	70	52	38	23	5				
4QGm1.8-1.1	1.1	1.5	1"		150	130	110	95	73	55	40	20				
					185	165	150	135	120	110	80	55	20			

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)
3.5QGm1-0.28						61x9x10	8.5
4QGm1.8-0.55						63x11x11.5	10.55
4QGm1.8-0.75						65x11x11.5	11
4QGm1.8-1.1						70x11x11.5	12.8

4SK Series

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

SINCE 1988

FROG PUMP

CHINA'S NO.1 BRAND OF DEEP WELL PUMPS

4SK Series

APPLICATIONS

- Water supply from wells or reservoirs
- Agricultural irrigation, livestock watering
- Mining industry, construction drainage and dewatering
- Industrial cooling and processing
- Water distribution and pressure boosting, Etc

OPERATING CONDITONS

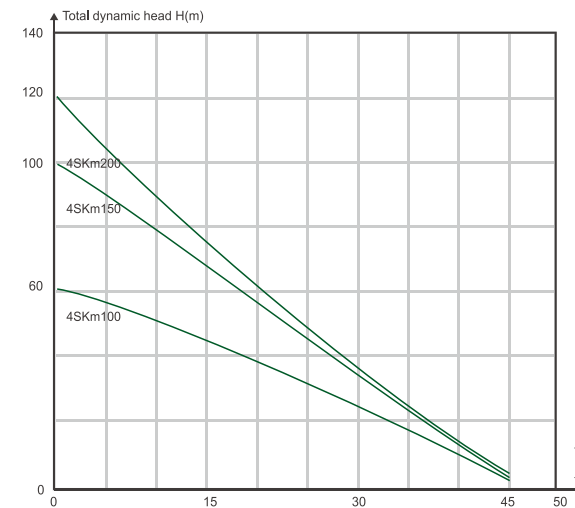
- Flow: up to 2.7m³/h (45L/min)
- Head: up to 120m
- Maximum water temperature: 40 °C
- Maximum allowable amount of sand 3000 g/m³ (0.3%)

MOTOR AND PUMP

- Motor adapter in compliance with NEMA standard
- Oil filled rewindable motor
- Maximum immersion depth: 120m
- Horse Power range: 1HP(0.75 kw) – 2HP(1.5kw)
- -Single phase 220-240V/50Hz (Equip with start control box)
- Class of Insulation: B
- Degree of Protection: IP 68

STRUCTURE FEATURES

- Shaft, jacket and hydraulics in stainless steel.
- Brass impeller.
- Built-in non-return valve.
- Thermoplastic parts.
- Oil-cooled motor with compensating diaphragm.
- Graphite mechanical seal protected by sand proof ring.
- 4SK Series parts are non-toxic and non-polluting.
- Thanks to special construction features, both installation and maintenance of 4SKm Series are fast and easy.



PERFORMANCE TABLE:

Type	Motor power		Outlet	Delivery N≈2850r/min												
1~220V-240V	KW	HP	DN	Q	m³/h											
					l/min											
4SKm100	0.75	1	1"	H(m)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7		
					0	5	10	15	20	25	30	35	40	45		
					61	56	52	46	38	31	24	18	11	3		
					100	90	79	68	56	46	35	24	14	4		
4SKm150	1.1	1.5	1"	H(m)	120	103	88	76	62	49	37	27	15	5		
4SKm200	1.5	2	1"													

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)
4SKm100-0.75						56x11x11.5	12.8
4SKm150-1.1						62x11x11.5	14.95
4SKm200-1.5						68x11x11.5	17.1

SINCE 1988
FROG PUMP

