



ZHEJIANG HAPPY PUMP INDUSTRY CO., LTD



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Note: this directory all series of products, there may be errors between data and actual, please refer to our actual product.
Are subject to change without prior notice.

SUBMERSIBLE PUMP

HAPPY®



2023

ZHEJIANG HAPPY PUMP
INDUSTRY CO., LTD

60Hz



THE FOUNDATION
OF LIFE www.happypump.com

THE FOUNDATION OF LIFE

Zhejiang Happy Pump Industry Co.,Ltd
www.happypump.com



The foundation of life

55,000 m²

Division covers an area of
55,000 square meters

2,500,000 sets

Annual sales reached 2.5 million units

70,000,000 USD

Annual sales reached more than 70
million dollars

ABOUT US

1997 - 2023 Zhejiang Happy Pump Industry Co.,Ltd

Zhejiang Happy Pump Industry Co.,Ltd is a professional share-issuing enterprise in the production of water pumps, and located in Daxi Town, Wenling Taizhou City, Zhejiang of China, which is well known as "Hometown of Water Pump". Happy Pump was founded in 1997, with 24 years accumulation of middle and high-grade pump production and management experience. He always be with the good faith quality and initiative spirit of "Continuous Innovation" leading in the industry, being famous of home and abroad, brimming with confidence towards a higher goal of "new scale, intensive and professional". He covers an area of 55000 square meters, construction area of 110000 square meters, employs 800 employees including 100 professional and technical personnel, and has achieved sales volume of 2.5 million sets, and sales amount of 70 million dollars in last year. Happy pump exported to more than 150 countries and regions that continuously improve his global brand reputation.

Happy consists of metal work, motor, rotor and assembly workshops for pipeline operations from casting of pumps body, line inserting of motor, stamping of rotor to installation and inspection of complete machine. His product series including 11 major series and more than 500 specifications as Vortex pumps, Centrifugal pumps, Jet pumps, Garden pumps, Sewage pumps, Deep well submersible pumps, Swimming pool pumps, motors and Pressure tank device system.

In recent years, Happy technology center has introduced coil vacuum dip coating, automatic drying, automation production equipment for pumps. The advanced production equipment with PRO/E three-dimension design system, CFD(computational fluid dynamics), motor electromagnetic design, and finite-element analysis, for maximal reduction in development cycle of products. In addition, a series of high-performance ex-factory test systems such as automatic acquisition system of pump performance and Japanese high accuracy air flow measuring system, the scientific "7S" field management and professional experienced technicians, which ensure high quality of "HAPPY"products.

All these achievements are just a start for development of enterprise. With ever-changing world economy situations, enterprise also confronts competition and development, and to seek prosperous development has become a common recognition of enterprises. In the operation tenet of "Survival by Quality, Development by Variety", happy will cooperate with customers for a bright tomorrow with more high-quality products and perfect services.



www.happypump.com



CERTIFICATES OF HONOR

Zhejiang Happy Pump Industry Co., Ltd

Happy has passed through permit for manufacture of industrial products, ISO9001: 2015, ISO14001: 2015, OHSAS18001: 2007, CE and ROHS, and been awarded titles of National "Hi-tech Enterprise", "Provincial Famous Trademark", "Provincial Export Famous Brand", "Provincial Regional Brand" and "Provincial Competitive Products Manufacturing Enterprise" by People's Government of Zhejiang Province, AA-grade "Contract-honoring & Promise-keeping Unit" by Provincial Industrial and Commercial Administration, "High-tech Research & Development Center" by the municipal people's Government, and "Wenling Leading Enterprise", etc.



1997-2023 Zhejiang Happy Pump Industry Co.,Ltd





01 2SDM
03 2.5SDM
05 3SD
07 3.5SD



(220V/60Hz)

09 4SD



(220V/60Hz)

17 3SP



(220V/60Hz)

19 4SP



(220V/60Hz)

23 4SN2
25 4SN4
27 SCM



(220V/60Hz)

29 4QG SOLAR PUMP
31 3SP SOLAR PUMP
33 4SP SOLAR PUMP



SOLAR PUMP
DC24-72V

35 6SR



(220V/60Hz)

37 6SP



(220V/60Hz)

41 3SD
42 4SD
44 5SR
45 6SR



(220V/60Hz)

2SDM

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply.

Operating conditions

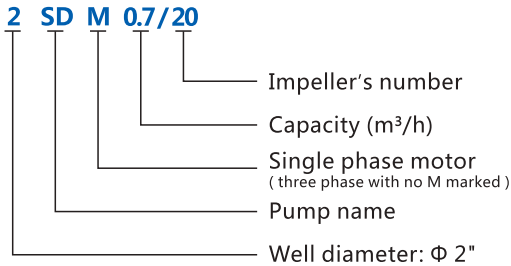
Water temperature up to **35°C**
Ambient temperature permissible up to **40°C**
2SDM Minimum internal diameter of well: **2"**(50mm)
Maximum immersion depth: **80m**

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

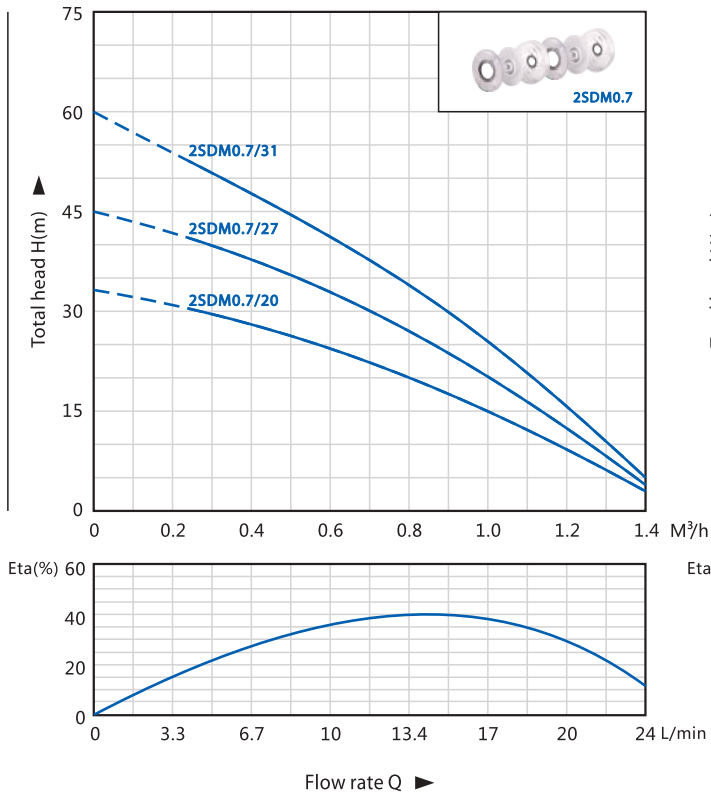
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1/2", 3/4"



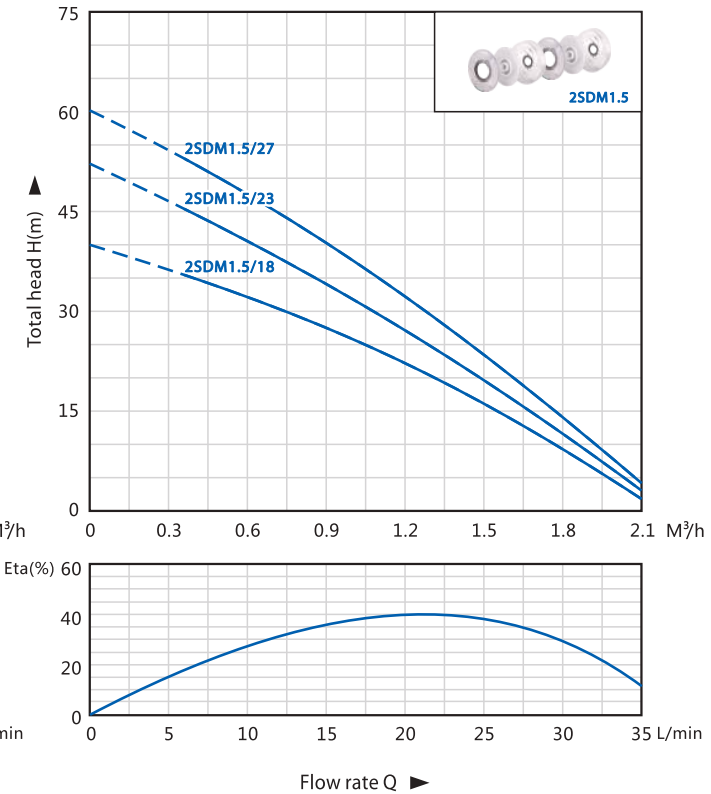
Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Brass, Stainless steel or Cast iron if request
Shaft coupling	AISI304 SS
Bearing bush	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



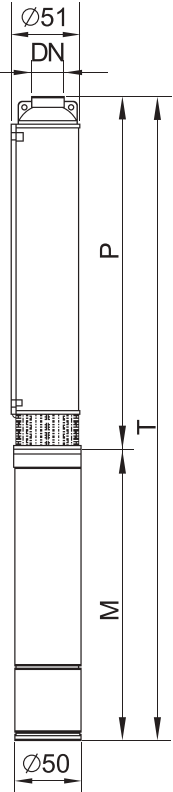
PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m								
			Q(M³/h)	0	0.2	0.4	0.6	0.8	1.0	1.2	1.4
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	3.3	6.7	10	13.4	17	20	24
2SDM0.7/20	0.25	0.33	H(m)	33	31	28	25	21	16	9	3
2SDM0.7/27	0.37	0.5		45	42	38	34	29	22	12	4
2SDM0.7/31	0.55	0.75		60	53	46	41	35	25	14	5

Model	Power		Capacity & Head n=3450r.p.m								
			Q(M³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	5	10	15	20	25	30	35
2SDM1.5/18	0.25	0.33	H(m)	40	36	31	27	23	17	9	2
2SDM1.5/23	0.37	0.5		52	46	40	36	30	22	11	3
2SDM1.5/27	0.55	0.75		60	53	46	41	35	25	13	4

DIMENSIONS & WEIGHTS

Model	DN	DIMESSION (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
1~ 110V-127V / 220V-240V							
2SDM0.7/20	1/2" / 3/4"	650	530	1180	2.4	4.3	6.7
2SDM0.7/27	1/2" / 3/4"	770	565	1335	3.2	4.7	7.9
2SDM0.7/31	1/2" / 3/4"	850	615	1465	4.2	5.3	9.5
2SDM1.5/18	1/2" / 3/4"	650	530	1180	2.4	4.3	6.7
2SDM1.5/23	1/2" / 3/4"	770	565	1335	3.2	4.7	7.9
2SDM1.5/27	1/2" / 3/4"	850	615	1465	4.2	5.3	9.5



2.5SDM

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply.

Operating conditions

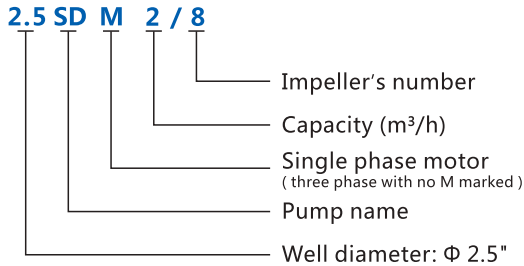
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
2.5SDM Minimum internal diameter of well: 2.5" (65mm)
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

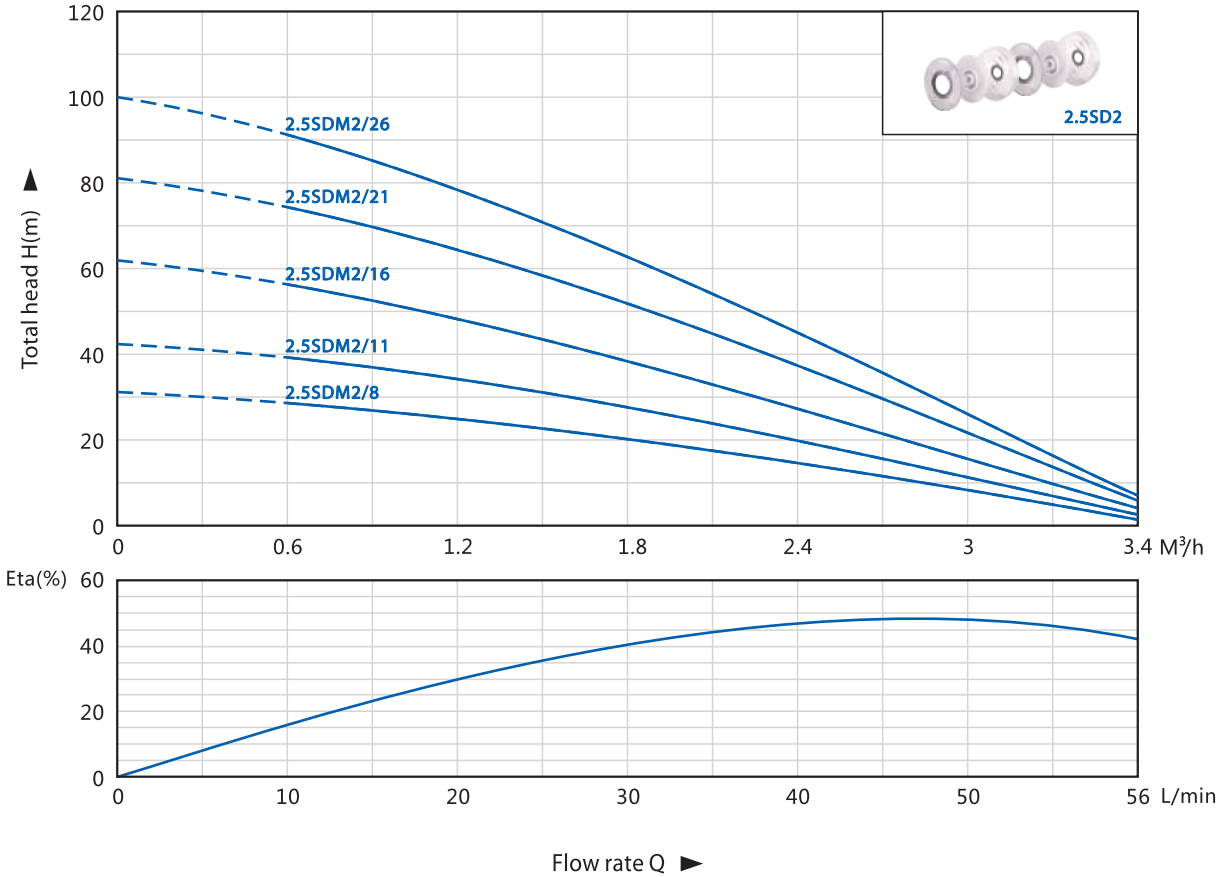
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1"



Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Brass, Stainless steel or Cast iron if request
Shaft coupling	AISI304 SS
Bearing bush	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request



PERFORMANCE CHART AT N=3450RPM

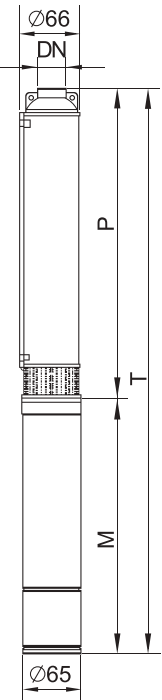


PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m							
			Q(M³/h)	0	0.6	1.2	1.8	2.4	3.0	3.4
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	10	20	30	40	50	56
2.5SDM2/8	0.18	0.25	H(m)	31	28	24	20	14	7	2
2.5SDM2/11	0.25	0.33		42	38	33	27	20	10	3
2.5SDM2/16	0.37	0.5		62	55	48	39	28	14	4
2.5SDM2/21	0.55	0.75		81	75	63	51	37	18	5
2.5SDM2/26	0.75	1.0		100	91	78	65	45	23	6

DIMENSIONS & WEIGHTS

Model	DN	DIMENSION (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
1~ 110V-127V / 220V-240V							
2.5SDM2/8	1"	415	282	697	3.1	6.9	10
2.5SDM2/11	1"	520	412	932	3.5	7.6	11.1
2.5SDM2/16	1"	654	462	1116	3.8	8.2	12
2.5SDM2/21	1"	786	512	1298	4.2	8.9	13.1
2.5SDM2/26	1"	910	560	1470	4.7	9.6	14.3



3SD

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply.

Operating conditions

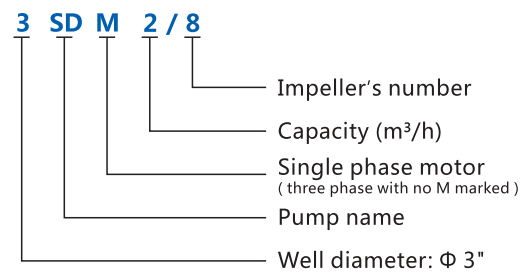
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
3SDM Minimum internal diameter of well: 3" (75mm)
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1" , 1 1/4"



Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Brass, Stainless steel or Cast iron if request
Shaft coupling	AISI304 SS
Bearing bush	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request

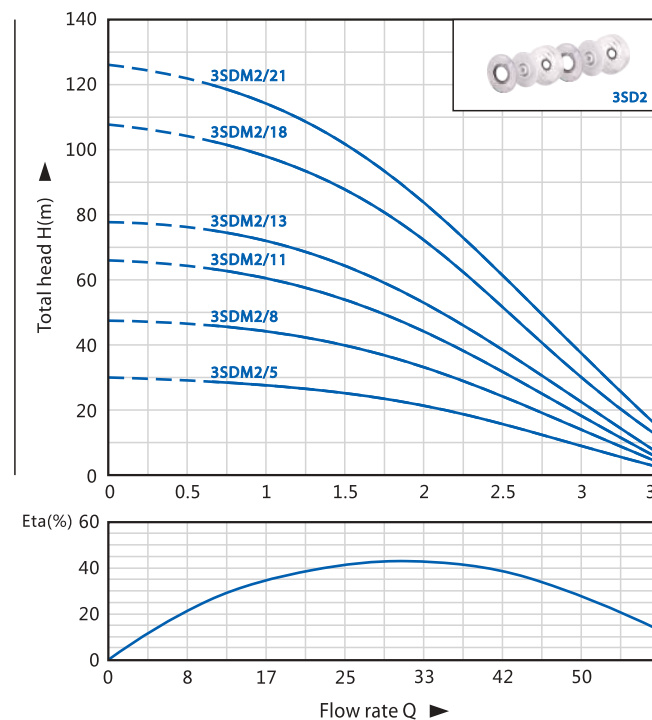


3SDM2

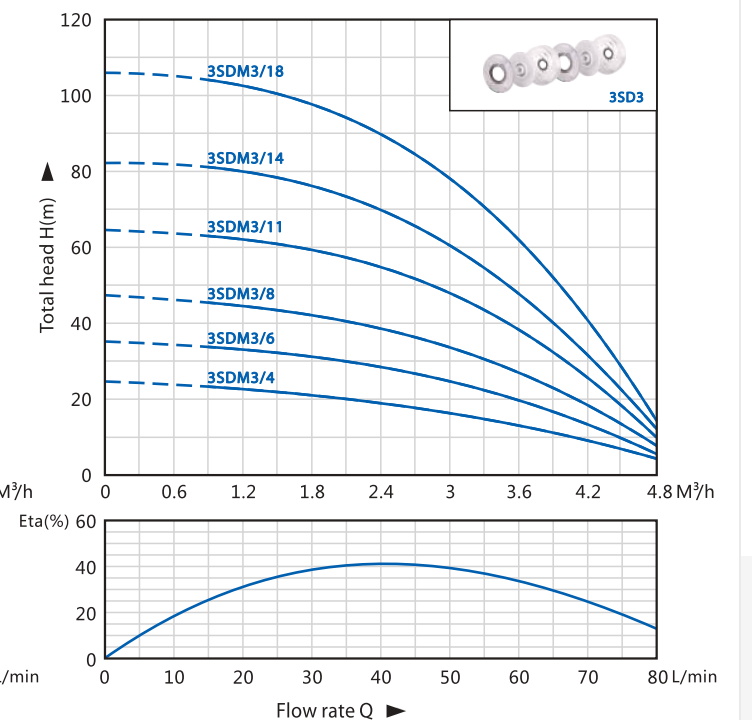
3SDM3



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



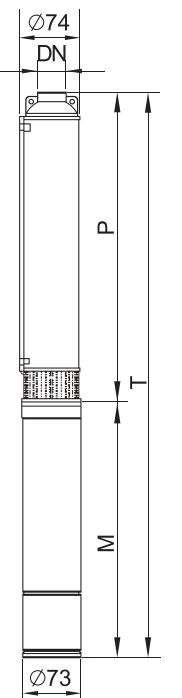
PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m									
			Q(M³/h)	0	0.5	1	1.5	2	2.5	3	3.5	
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	8	17	25	33	42	50	58	
3SDM2/5	0.25	0.33	H(m)	30	29	28	25	22	15	8	2	
3SDM2/8	0.37	0.5		48	47	45	41	35	24	13	3	
3SDM2/11	0.55	0.75		66	64	61	56	46	33	17	4	
3SDM2/13	0.75	1		78	75	72	66	54	39	20	6	
3SDM2/18	0.75	1		108	104	99	91	74	54	27	12	
3SDM2/21	1.1	1.5		126	121	115	106	86	63	31	14	

Model	Power		Capacity & Head n=3450r.p.m									
			Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	10	20	30	40	50	60	70	80
3SDM3/4	0.18	0.25	H(m)	24	23	22	21	20	17	14	9	4
3SDM3/6	0.25	0.33		35	34	33	32	29	26	21	14	6
3SDM3/8	0.37	0.5		47	46	45	43	39	35	29	19	8
3SDM3/11	0.55	0.75		64	63	62	59	54	49	40	26	10
3SDM3/14	0.75	1		82	81	80	75	69	62	50	34	12
3SDM3/18	1.1	1.5		106	104	103	97	89	80	65	43	14

DIMENSIONS & WEIGHTS

Model	DN	DIMESION (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
1~ 110V-127V / 220V-240V							
3SDM2/5	1" / 1 1/4"	319	342	661	1.8	4.3	6.1
3SDM2/8	1" / 1 1/4"	386	367	753	2	4.9	6.9
3SDM2/11	1" / 1 1/4"	454	397	851	2.4	5.4	7.8
3SDM2/13	1" / 1 1/4"	480	427	907	2.6	5.9	8.5
3SDM2/18	1" / 1 1/4"	646	447	1093	3.5	6.6	10.1
3SDM2/21	1" / 1 1/4"	714	467	1181	4.1	7.1	11.2
3SDM3/4	1" / 1 1/4"	310	342	652	1.8	4.3	6.1
3SDM3/6	1" / 1 1/4"	366	367	733	2.2	4.9	7.1
3SDM3/8	1" / 1 1/4"	422	397	819	2.4	5.4	7.8
3SDM3/11	1" / 1 1/4"	506	427	933	2.7	5.9	8.6
3SDM3/14	1" / 1 1/4"	591	447	1038	3.1	6.6	9.7
3SDM3/18	1" / 1 1/4"	704	467	1171	3.7	7.1	10.8



3.5SD

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply.

Operating conditions

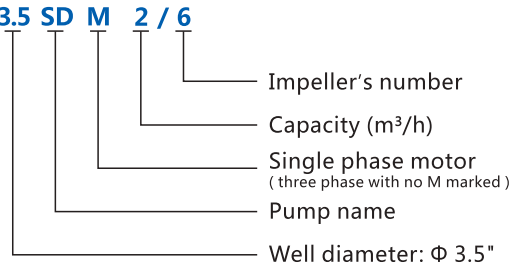
Water temperature up to **35°C**
Ambient temperature permissible up to **40°C**
3.5SDM Minimum internal diameter of well: **3.5"**(90mm)
Maximum immersion depth: **80m**

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

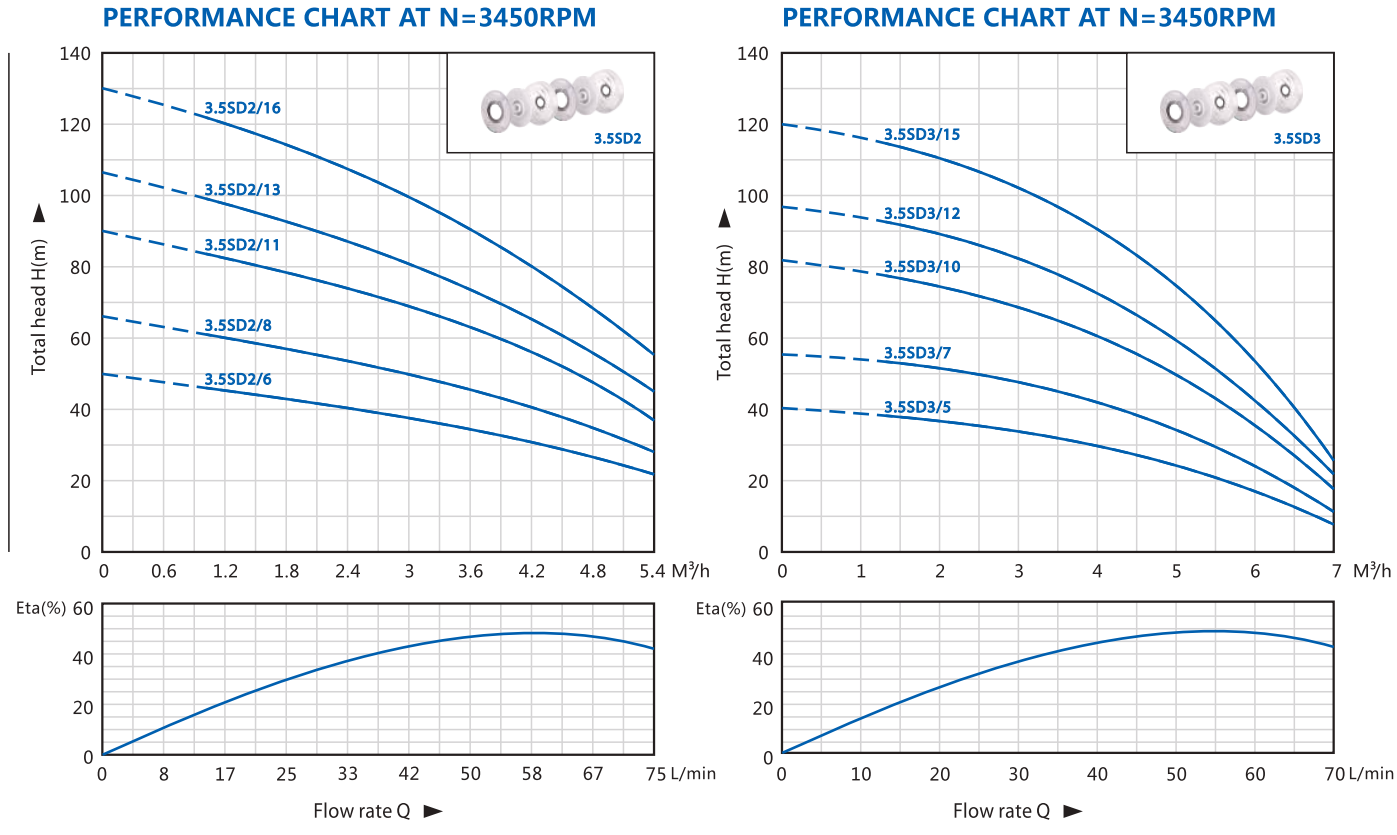
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2m
Outlet dimension : 1¼", 1½"



Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Brass, Stainless steel or Cast iron if request
Shaft coupling	AISI304 SS
Bearing bush	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request



3.5SDM3



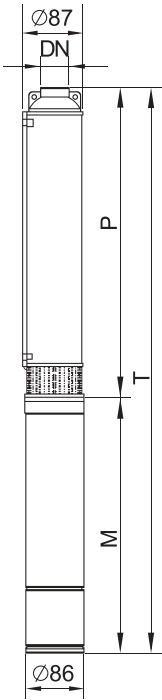
PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m											
	kW	HP	Q(M ³ /h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
1~ 110V-127V / 220V-240V			Q(L/min)	0	8	17	25	33	42	50	58	67	75	
3.5SD2/6	0.37	0.5	H(m)	49	47	45	42	40	38	35	31	26	21	
3.5SD2/8	0.55	0.75		65	62	60	56	53	50	46	41	34	28	
3.5SD2/11	0.75	1		90	86	82	77	73	69	63	56	47	38	
3.5SD2/13	0.92	1.25		106	101	97	91	86	81	75	66	55	45	
3.5SD2/16	1.1	1.5		130	125	120	112	106	100	92	81	68	56	

Model	Power		Capacity & Head n=3450r.p.m									
	kW	HP	Q(M ³ /h)	0	1	2	3	4	5	6	7	
1~ 110V-127V / 220V-240V			Q(L/min)	0	10	20	30	40	50	60	70	
3.5SD3/5	0.37	0.5	H(m)	40	38	37	35	30	24	17	8	
3.5SD3/7	0.55	0.75		56	54	52	49	42	34	25	12	
3.5SD3/10	0.75	1		80	77	75	70	61	48	36	17	
3.5SD3/12	0.92	1.25		96	93	90	84	73	58	44	21	
3.5SD3/15	1.1	1.5		120	116	112	105	91	73	56	26	

DIMENSIONS & WEIGHTS

Model	DN	DIMESION (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
1~ 110V-127V / 220V-240V							
3.5SD2/6	1¼" / 1½"	346	398	744	4.1	6.3	10.4
3.5SD2/8	1¼" / 1½"	398	423	821	4.4	6.9	11.3
3.5SD2/11	1¼" / 1½"	478	448	926	5	8.1	13.1
3.5SD2/13	1¼" / 1½"	531	468	999	5.3	9.1	14.4
3.5SD2/16	1¼" / 1½"	642	508	1150	5.7	9.9	15.6
3.5SD3/5	1¼" / 1½"	333	398	731	4.2	6.3	10.5
3.5SD3/7	1¼" / 1½"	391	423	814	4.6	6.9	11.5
3.5SD3/10	1¼" / 1½"	478	448	926	5.1	8.1	13.2
3.5SD3/12	1¼" / 1½"	537	468	1005	5.5	9.1	14.6
3.5SD3/15	1¼" / 1½"	656	508	1164	6.3	9.9	16.2



4SD

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply,
mining, draiaage in breeding industry.

Operating conditions

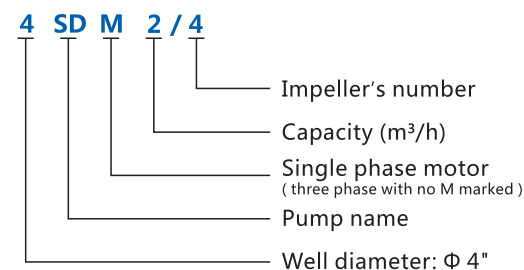
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
4SDM Minimum internal diameter of well: 4" (100mm)
Maximum sand content: 0.25%
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1½", 1¼", 2"



Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Brass, Stainless steel or Cast iron if request
Shaft coupling	AISI304 SS
Bearing bush	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request

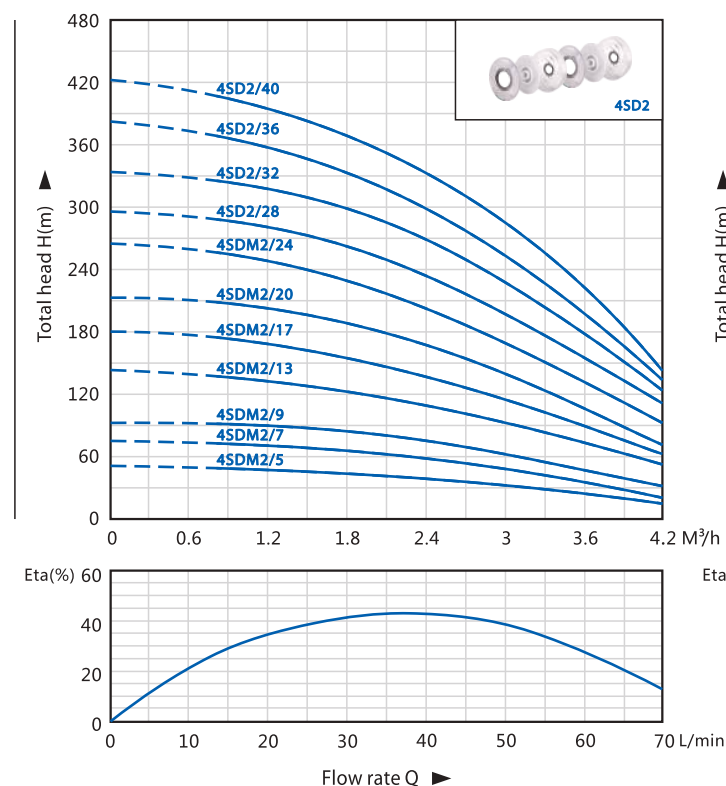


4SD

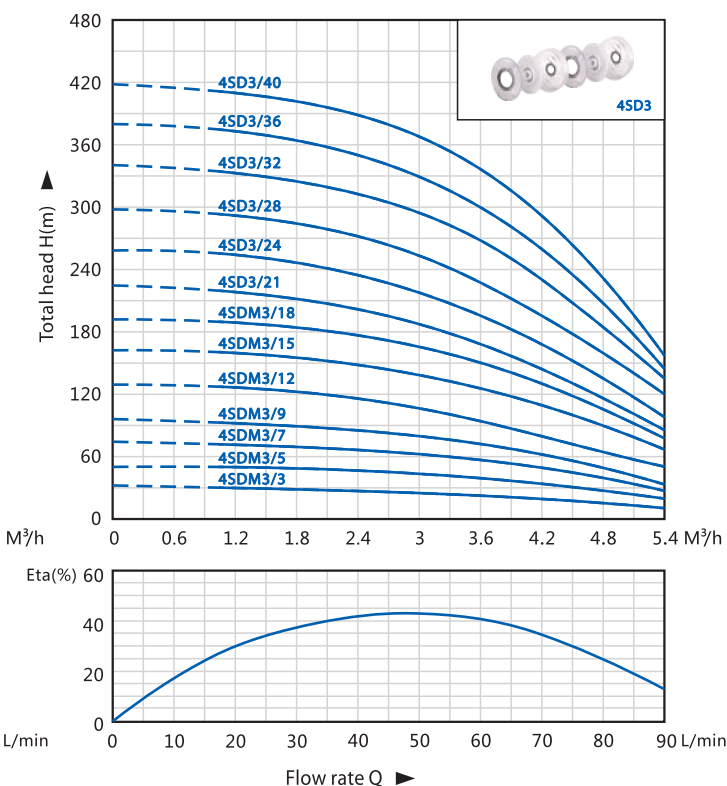
4SDM



PERFORMANCE CHART AT N=3450RPM



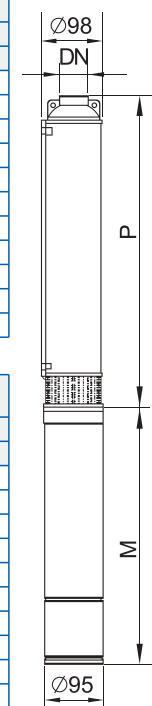
PERFORMANCE CHART AT N=3450RPM



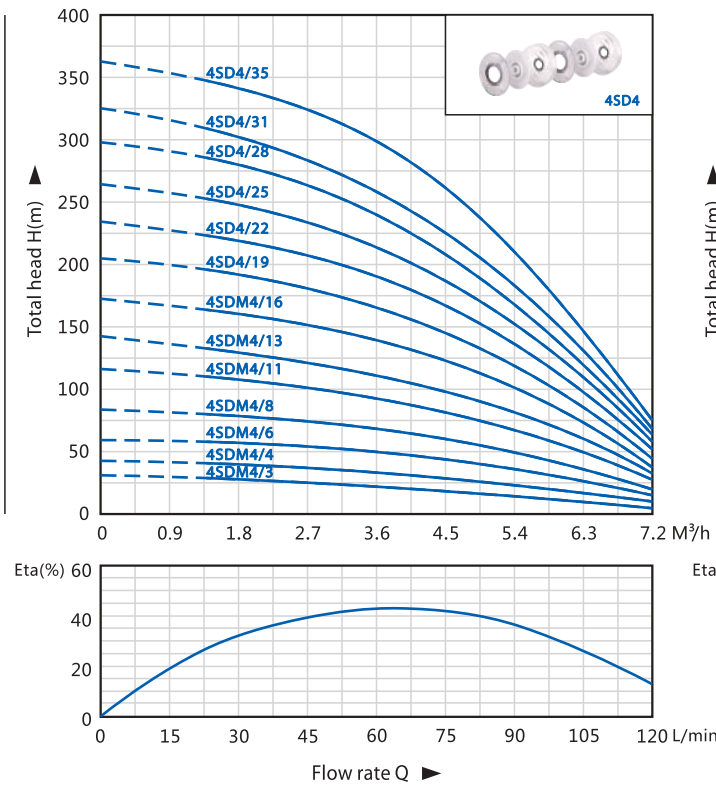
PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head								
1~ 110V-127V / 220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m								
				Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2
4SDM2/5		0.37	0.5	Q(L/min)	0	10	20	30	40	50	60	70
4SDM2/7		0.55	0.75		52	50	48	45	40	33	24	15
4SDM2/9	4SD2/9	0.75	1		75	73	70	65	58	50	39	23
4SDM2/13	4SD2/13	1.1	1.5		94	92	89	82	77	62	47	31
4SDM2/17	4SD2/17	1.5	2		138	134	129	120	108	93	70	47
4SDM2/20	4SD2/20	2.2	3		180	175	169	159	143	121	94	63
4SDM2/24	4SD2/24	2.2	3		215	209	202	189	171	146	113	78
	4SD2/28	3	4		258	250	242	226	205	175	136	93
	4SD2/32	3	4		293	287	276	260	236	198	150	99
	4SD2/36	4	5.5		335	328	316	297	269	225	173	114
	4SD2/40	4	5.5		380	369	354	334	300	257	191	127
					422	410	394	371	336	286	212	141

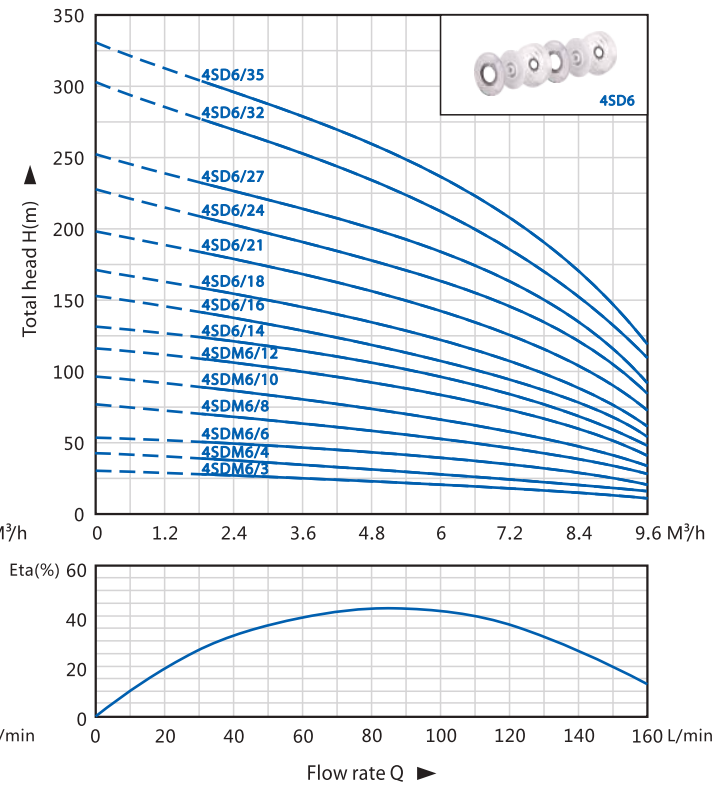
Model		Power		Capacity & Head									
1~ 110V-127V / 220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m									
				Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	5.4
4SDM3/3		0.37	0.5	Q(L/min)	0	10	20	30	40	50	60	70	90
4SDM3/5		0.55	0.75		31	30.1	30	28	27	24	22	18	15
4SDM3/7	4SD3/7	0.75	1		51.2	51	50	49	46	44	39	33	27
4SDM3/9	4SD3/9	1.1	1.5		75	72.2	72	70	67	62	55	46	37
4SDM3/12	4SD3/12	1.5	2		95	94	93	90	86	81	72	62	48
4SDM3/15	4SD3/15	2.2	3		127	126	125	121	116	107	96	82	67
4SDM3/18	4SD3/18	2.2	3		162	161	159	156	148	138	125	107	87
	4SD3/21	3	4		194	193	191	186	177	165	149	128	105
	4SD3/24	3	4		225	223	220	215	205	190	171	146	119
	4SD3/28	4	5.5		257	255	252	246	235	217	196	167	136
	4SD3/32	4	5.5		298	296	293	285	272	254	229	194	159
	4SD3/36	5.5	7.5		340	339	335	326	311	290	262	221	182
	4SD3/40	5.5	7.5		377	376	373	366	351	330	305	261	200
					419	417	414	406	390	367	338	289	222



PERFORMANCE CHART AT N=3450RPM



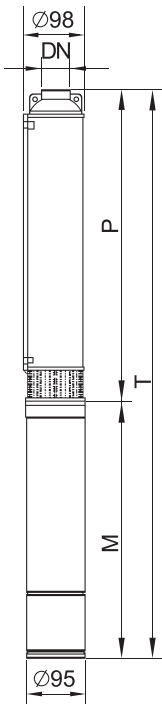
PERFORMANCE CHART AT N=3450RPM



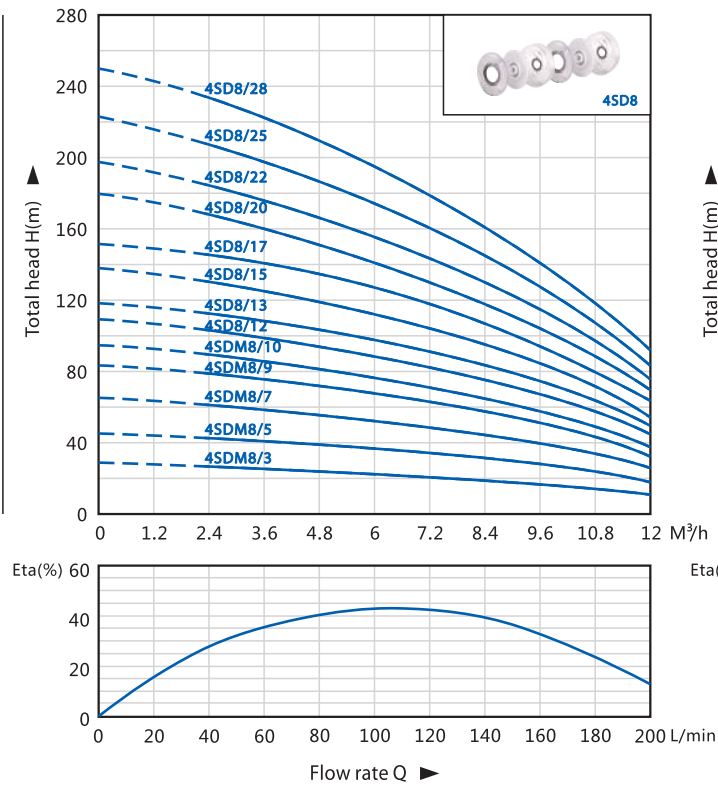
PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head									
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m									
				Q(M³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2
4SDM4/3		0.37	0.5	Q(L/min)	0	15	30	45	60	75	90	105	120
4SDM4/4		0.55	0.75		30	28	27	26	23	20	16	10	3
4SDM4/6	4SD4/6	0.75	1		41	39	38	37	33	29	23	16	7
4SDM4/8	4SD4/8	1.1	1.5		64	61	58	56	51	45	36	25	12
4SDM4/11	4SD4/11	1.5	2		85	81	79	75	69	60	49	35	17
4SDM4/13	4SD4/13	2.2	3		117	111	108	102	94	83	67	48	26
4SDM4/16	4SD4/16	2.2	3		139	133	125	123	113	100	82	60	31
	4SD4/19	3	4		171	163	158	151	139	124	101	74	38
	4SD4/22	3	4		204	197	189	180	166	143	116	83	44
	4SD4/25	4	5.5		236	228	218	209	192	166	134	96	51
	4SD4/28	4	5.5		267	255	247	235	216	188	152	108	57
	4SD4/31	5.5	7.5		299	286	276	263	242	210	170	121	64
	4SD4/35	5.5	7.5		325	312	300	287	267	232	185	129	66
					367	352	339	324	301	262	209	146	75

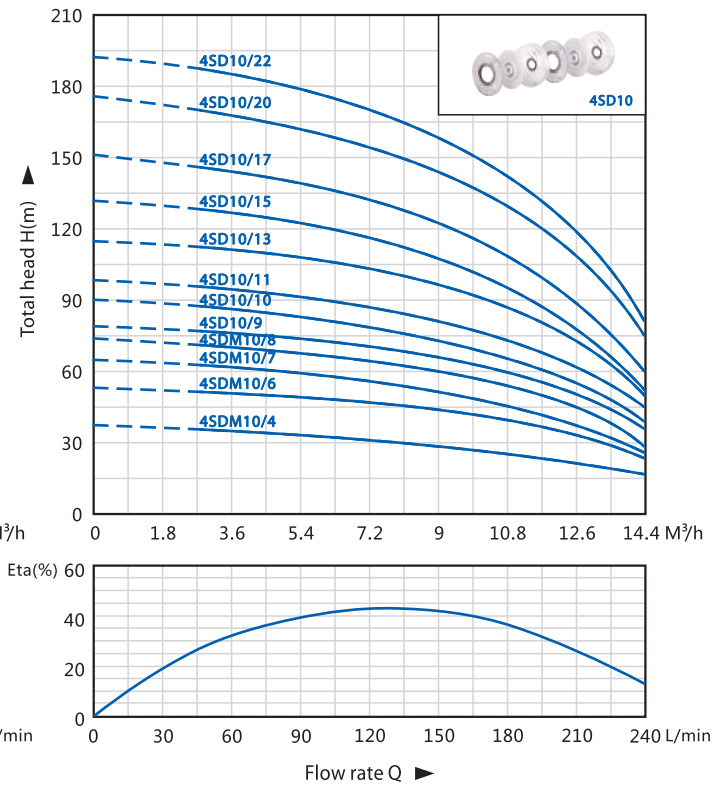
Model		Power		Capacity & Head									
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m									
				Q(M³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
4SDM6/3		0.55	0.75	Q(L/min)	0	20	40	60	80	100	120	140	160
4SDM6/4	4SD6/4	0.75	1		29	27	26	24	22	20	19	15	10
4SDM6/6	4SD6/6	1.1	1.5		38	35	33	31	30	27	24	20	14
4SDM6/8	4SD6/8	1.5	2		57	53	49	47	44	41	37	30	21
4SDM6/10	4SD6/10	2.2	3		76	70	66	63	59	55	49	40	28
4SDM6/12	4SD6/12	2.2	3		95	88	82	78	74	69	62	50	35
	4SD6/14	3	4		114	105	98	94	89	83	74	60	42
	4SD6/16	3	4		132	123	115	109	104	96	86	70	49
	4SD6/18	4	5.5		151	140	131	125	119	110	99	80	56
	4SD6/21	4	5.5		170	158	148	141	134	124	111	90	63
	4SD6/24	5.5	7.5		199	184	172	164	156	144	130	105	74
	4SD6/27	5.5	7.5		227	210	197	188	178	165	148	120	84
	4SD6/32	7.5	10		255	237	221	211	201	186	167	135	95
	4SD6/35	7.5	10		303	281	262	250	238	220	197	160	113
					331	307	287	274	260	241	216	175	123



PERFORMANCE CHART AT N=3450RPM



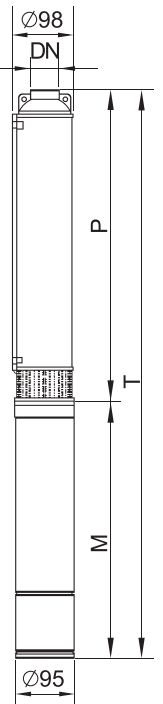
PERFORMANCE CHART AT N=3450RPM

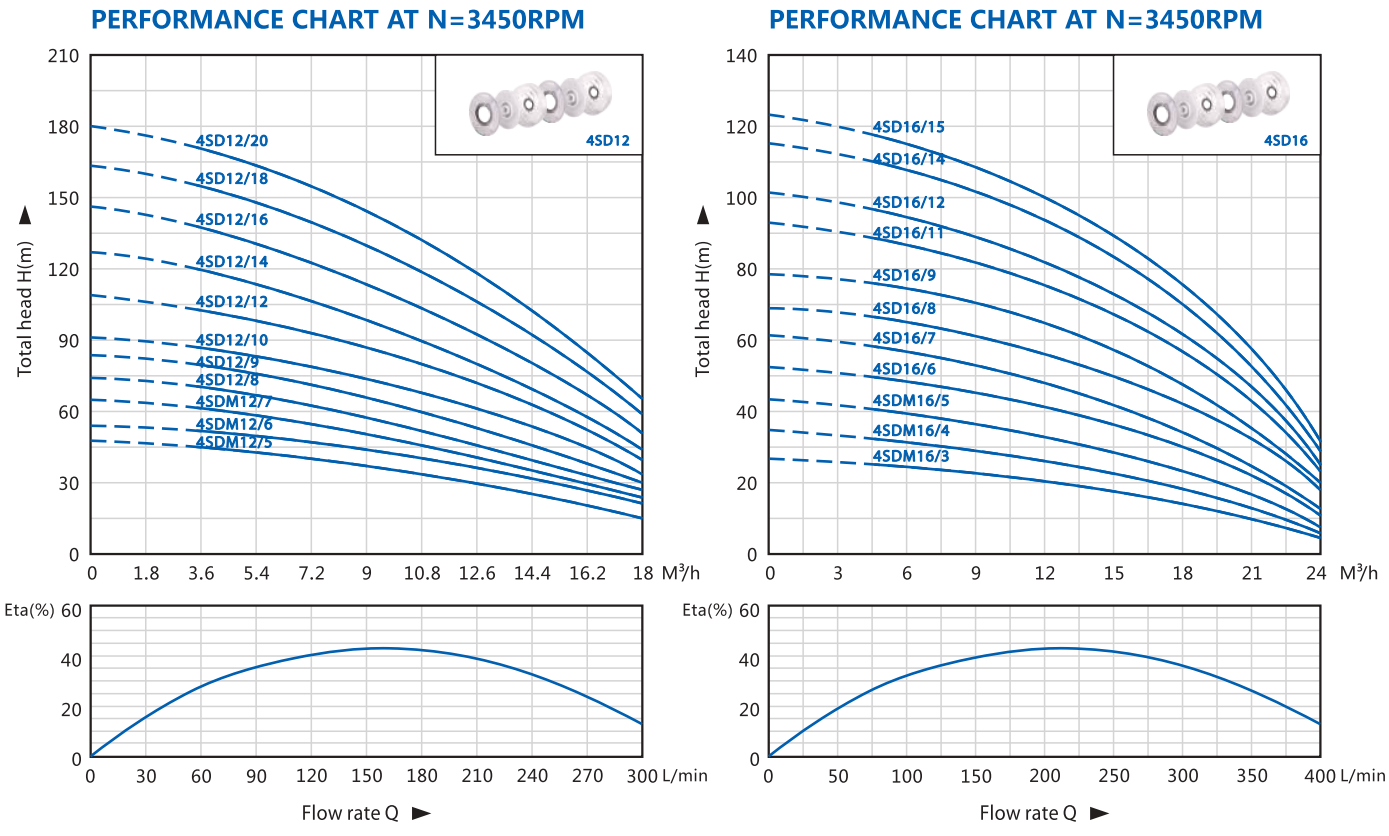


PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head											
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m											
				Q(M³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12
4SDM8/3	4SD8/3	0.75	1	Q(L/min)	0	20	40	60	80	100	120	140	160	180	200
4SDM8/5	4SD8/5	1.1	1.5		28	27	26	24	23	21	19	19	17	14	11
4SDM8/7	4SD8/7	1.5	2		46	45	43	40	38	36	32	32	29	24	18
4SDM8/9	4SD8/9	2.2	3		65	64	60	56	53	51	45	45	41	35	27
4SDM8/10	4SD8/10	2.2	3		85	83	78	73	70	67	59	59	53	45	34
	4SD8/12	3	4		94	92	87	81	77	74	65	65	59	50	38
	4SD8/13	3	4		110	108	104	98	91	87	78	78	70	59	46
	4SD8/15	4	5.5		119	117	113	106	99	95	85	85	76	64	50
	4SD8/17	4	5.5		138	135	131	123	115	110	98	98	87	74	56
	4SD8/20	5.5	7.5		156	153	148	140	130	124	113	113	99	84	64
	4SD8/22	5.5	7.5		180	177	171	161	150	144	127	127	113	94	70
	4SD8/25	7.5	10		198	195	188	177	166	158	140	140	124	104	77
	4SD8/28	7.5	10		223	218	211	199	187	178	156	156	137	113	83
					250	244	236	223	209	199	175	175	153	126	93

Model		Power		Capacity & Head									
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	n=3450 r.p.m									
				Q(M³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4
4SDM10/4	4SD10/4	1.1	1.5	Q(L/min)	0	30	60	90	120	150	180	210	240
4SDM10/6	4SD10/6	1.5	2		36	35	33	32	31	29	27	23	16
4SDM10/7	4SD10/7	2.2	3		54	53	51	48	47	45	40	34	24
4SDM10/8	4SD10/8	2.2	3		65	64	61	57	55	52	46	38	25
	4SD10/9	3	4		74	73	69	65	63	60	53	43	28
	4SD10/10	3	4		81	80	76	72	71	67	60	50	36
	4SD10/11	4	5.5		90	89	84	80	78	74	67	56	40
	4SD10/13	4	5.5		98	96	92	88	86	83	75	63	45
	4SD10/15	5.5	7.5		116	114	109	105	102	98	89	75	53
	4SD10/17	5.5	7.5		133	131	124	119	116	110	97	80	54
	4SD10/20	7.5	10		151	148	141	135	132	125	110	90	60
	4SD10/22	7.5	10		175	172	165	158	154	147	131	105	75
					192	189	181	174	170	161	144	119	82

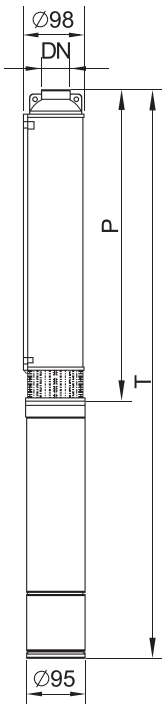




PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head n=3450 r.p.m												
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	
4SDM12/5	4SD12/5	1.5	2	Q(L/min)	47	46	44	42	39	36	33	30	25	21	15	
4SDM12/6	4SD12/6	2.2	3		56	55	53	50	47	44	41	36	32	27	21	
4SDM12/7	4SD12/7	2.2	3		66	64	62	59	55	52	47	42	37	32	24	
	4SD12/8	3	4		74	71	69	66	63	58	53	48	42	35	27	
	4SD12/9	3	4		83	80	77	74	71	66	60	54	47	40	30	
	4SD12/10	4	5.5		91	89	86	82	77	73	66	60	53	44	33	
	4SD12/12	4	5.5		109	107	104	98	93	87	80	72	63	53	39	
	4SD12/14	5.5	7.5		128	124	119	113	107	99	90	82	71	58	44	
	4SD12/16	5.5	7.5		146	141	136	129	122	113	103	93	81	67	50	
	4SD12/18	7.5	10		164	159	154	148	142	129	118	106	93	78	59	
	4SD12/20	7.5	10		180	177	171	164	155	144	131	118	104	87	65	

Model		Power		Capacity & Head n=3450 r.p.m												
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	3	6	9	12	15	18	21	24			
4SDM16/3	4SD16/3	1.5	2	Q(L/min)	0	50	100	150	200	250	300	350	400			
4SDM16/4	4SD16/4	2.2	3		27	25	24	22	20	18	15	11	5			
4SDM16/5	4SD16/5	2.2	3		34	33	31	29	25	22	19	14	6			
	4SD16/6	3	4		43	41	40	36	31	28	24	18	8			
	4SD16/6	3	4		52	51	49	46	41	36	31	23	11			
	4SD16/7	3	4		61	60	57	54	48	42	36	27	13			
	4SD16/8	4	5.5		69	68	66	62	56	49	43	33	18			
	4SD16/9	4	5.5		78	77	74	70	63	55	48	37	20			
	4SD16/11	5.5	7.5		93	92	88	82	74	66	57	44	24			
	4SD16/12	5.5	7.5		101	100	96	89	81	72	62	48	26			
	4SD16/14	7.5	10		115	113	108	101	91	81	70	54	29			
	4SD16/15	7.5	10		123	121	116	108	98	87	75	58	31			



DIMENSIONS & WEIGHTS

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	Single-Phase	Three-Phase	P	Single-Phase	Three-Phase
4SDM2/5		1¼"	324	648		2.6	7.7	
4SDM2/7		1¼"	374	718		3.0	8.7	
4SDM2/9	4SD2/9	1¼"	425	794	795	3.4	9.8	9.7
4SDM2/13	4SD2/13	1¼"	527	931	932	4.3	11.5	10.8
4SDM2/17	4SD2/17	1¼"	628	1077	1043	5.0	13.6	11.4
4SDM2/20	4SD2/20	1¼"	739	1248	1209	5.7	16.4	13.8
4SDM2/24	4SD2/24	1¼"	740	1349	1310	6.4	16.4	13.8
	4SD2/28	1¼"	977		1509	7.4		17.2
	4SD2/32	1¼"	1078		1610	8.2		17.2
	4SD2/36	1¼"	1215		1802	8.8		19.8
	4SD2/40	1¼"	1316		1903	9.4		19.8

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	Single-Phase	Three-Phase	P	Single-Phase	Three-Phase
4SDM3/3		1¼"	275	599		2.1	7.7	
4SDM3/5		1¼"	327	671		2.6	8.7	
4SDM3/7	4SD3/7	1¼"	379	748	738	3.0	9.8	9.7
4SDM3/9	4SD3/9	1¼"	431	835	825	3.4	11.5	10.8
4SDM3/12	4SD3/12	1¼"	510	959	925	4.0	13.6	11.4
4SDM3/15	4SD3/15	1¼"	588	1097	1058	4.6	16.4	13.8
4SDM3/18	4SD3/18	1¼"	666	1175	1136	5.3	16.4	13.8
	4SD3/21	1¼"	814		1346	6.0		17.2
	4SD3/24	1¼"	892		1424	6.7		17.2
	4SD3/28	1¼"	996		1583	7.5		19.8
	4SD3/32	1¼"	1101		1688	8.5		19.8
	4SD3/36	1¼"	1240		1902	9.5		23
	4SD3/40	1¼"	1344		2006	10.5		23

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	Single-Phase	Three-Phase	P	Single-Phase	Three-Phase
4SDM4/3		1¼"	284	608		2.2	7.7	
4SDM4/4		1¼"	313	657		2.5	8.7	
4SDM4/6	4SD4/6	1¼"	371	740	730	3.0	9.8	9.7
4SDM4/8	4SD4/8	1¼"	429	833	823	3.4	11.5	10.8
4SDM4/11	4SD4/11	1¼"	517	966	932	4.0	13.6	11.4
4SDM4/13	4SD4/13	1¼"	575	1084	1045	4.5	16.4	13.8
4SDM4/16	4SD4/16	1¼"	638	1241	1202	5.2	16.4	13.8
	4SD4/19	1¼"	819		1351	5.9		17.2
	4SD4/22	1¼"	906		1438	6.7		17.2
	4SD4/25	1¼"	993		1580	7.5		19.8
	4SD4/28	1¼"	1080		1667	8.3		19.8
	4SD4/31	1¼"	1203		1865	9.0		23
	4SD4/35	1¼"	1319		1981	9.9		23

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	Single-Phase	Three-Phase	P	Single-Phase	Three-Phase
4SDM6/3		1½"	289	633		2.2	8.7	
4SDM6/4	4SD6/4	1½"	320	689	679	2.5	9.8	9.7
4SDM6/6	4SD6/6	1½"	382	786	776	3.0	11.5	10.8
4SDM6/8	4SD6/8	1½"	443	892	858	3.5	13.6	11.4
4SDM6/10	4SD6/10	1½"	505	1014	975	4.0	16.4	13.8
4SDM6/12	4SD6/12	1½"	601	1110	1071	4.5	16.4	13.8
	4SD6/14	1½"	663		1195	5.0		17.2
	4SD6/16	1½"	724		1256	5.5		17.2
	4SD6/18	1½"	821		1408	6.0		19.8
	4SD6/21	1½"	913		1500	6.7		19.8
	4SD6/24	1½"	1005		1667	7.4		23
	4SD6/27	1½"	1097		1759	8.1		23
	4SD6/32	1½"	1286		1286	9.5		29.3
	4SD6/35	1½"	1378		1378	10.3		29.3

DIMENSIONS & WEIGHTS

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	T (1~)	T (3~)	P	T (1~)	T (3~)
4SDM8/3	4SD8/3	2"	311	680	670	2.4	9.8	9.7
4SDM8/5	4SD8/5	2"	387	791	781	3.1	11.5	10.8
4SDM8/7	4SD8/7	2"	463	912	867	3.7	13.6	11.4
4SDM8/9	4SD8/9	2"	539	1048	1009	4.2	16.4	13.8
4SDM8/10	4SD8/10	2"	613	1122	1083	4.5	16.4	13.8
	4SD8/12	2"	689		1221	5.0		17.2
	4SD8/13	2"	727		1259	5.3		17.2
	4SD8/15	2"	838		1425	6.0		19.8
	4SD8/17	2"	914		1501	6.6		19.8
	4SD8/20	2"	1028		1596	7.4		23
	4SD8/22	2"	1104		1672	7.9		23
	4SD8/25	2"	1253		1921	9.0		29.3
	4SD8/28	2"	1367		2035	10.1		29.3

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	T (1~)	T (3~)	P	T (1~)	T (3~)
4SDM10/4	4SD10/4	2"	349	753	742	2.8	11.5	10.8
4SDM10/6	4SD10/6	2"	425	874	840	3.3	13.6	11.4
4SDM10/7	4SD10/7	2"	463	972	933	3.5	16.4	13.8
4SDM10/8	4SD10/8	2"	536	1045	1006	3.8	16.4	13.8
	4SD10/9	2"	574		1106	4.1		17.2
	4SD10/10	2"	613		1141	4.4		17.2
	4SD10/11	2"	651		1238	4.7		19.8
	4SD10/13	2"	727		1314	5.3		19.8
	4SD10/15	2"	838		1500	5.9		23
	4SD10/17	2"	914		1576	6.5		23
	4SD10/20	2"	1028		1790	7.4		29.3
	4SD10/22	2"	1104		1866	8.0		29.3

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	T (1~)	T (3~)	P	T (1~)	T (3~)
4SDM12/5	4SD12/5	2"	497	946	912	4.0	13.6	11.4
4SDM12/6	4SD12/6	2"	546	1055	1016	4.4	16.4	13.8
4SDM12/7	4SD12/7	2"	594	1103	1064	4.9	16.4	13.8
	4SD12/8	2"	643		1175	5.4		17.2
	4SD12/9	2"	691		1223	5.8		17.2
	4SD12/10	2"	796		1383	6.3		19.8
	4SD12/12	2"	893		1480	7.1		19.8
	4SD12/14	2"	991		1653	7.9		23
	4SD12/16	2"	1088		1750	8.8		23
	4SD12/18	2"	1242		2004	9.8		29.3
	4SD12/20	2"	1339		2101	10.9		29.3

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	T (1~)	T (3~)	P	T (1~)	T (3~)
4SDM16/3	4SD16/3	2"	475	924	890	3.5	13.6	11.4
4SDM16/4	4SD16/4	2"	551	1060	1021	4.1	16.4	13.8
4SDM16/5	4SD16/5	2"	626	1135	1096	4.7	16.4	13.8
	4SD16/6	2"	702		1234	5.4		17.2
	4SD16/7	2"	778		1310	5.8		17.2
	4SD16/8	2"	854		1441	6.2		19.8
	4SD16/9	2"	930		1517	6.7		19.8
	4SD16/11	2"	1091		1743	7.7		23
	4SD16/12	2"	1157		1819	8.2		23
	4SD16/14	2"	1308		2070	9.2		29.3
	4SD16/15	2"	1384		2146	9.7		29.3



**THE FOUNDATION
OF LIFE**

3SP

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply,
mining, draiaage in breeding industry.

Operating conditions

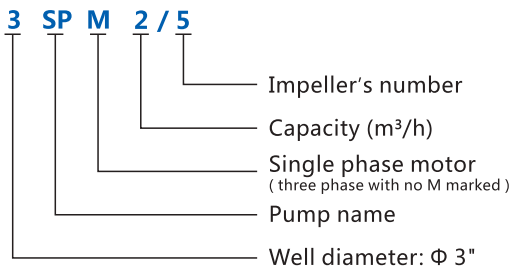
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
3SPM Minimum internal diameter of well: 3"(75mm)
Maximum sand content: 0.25%
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

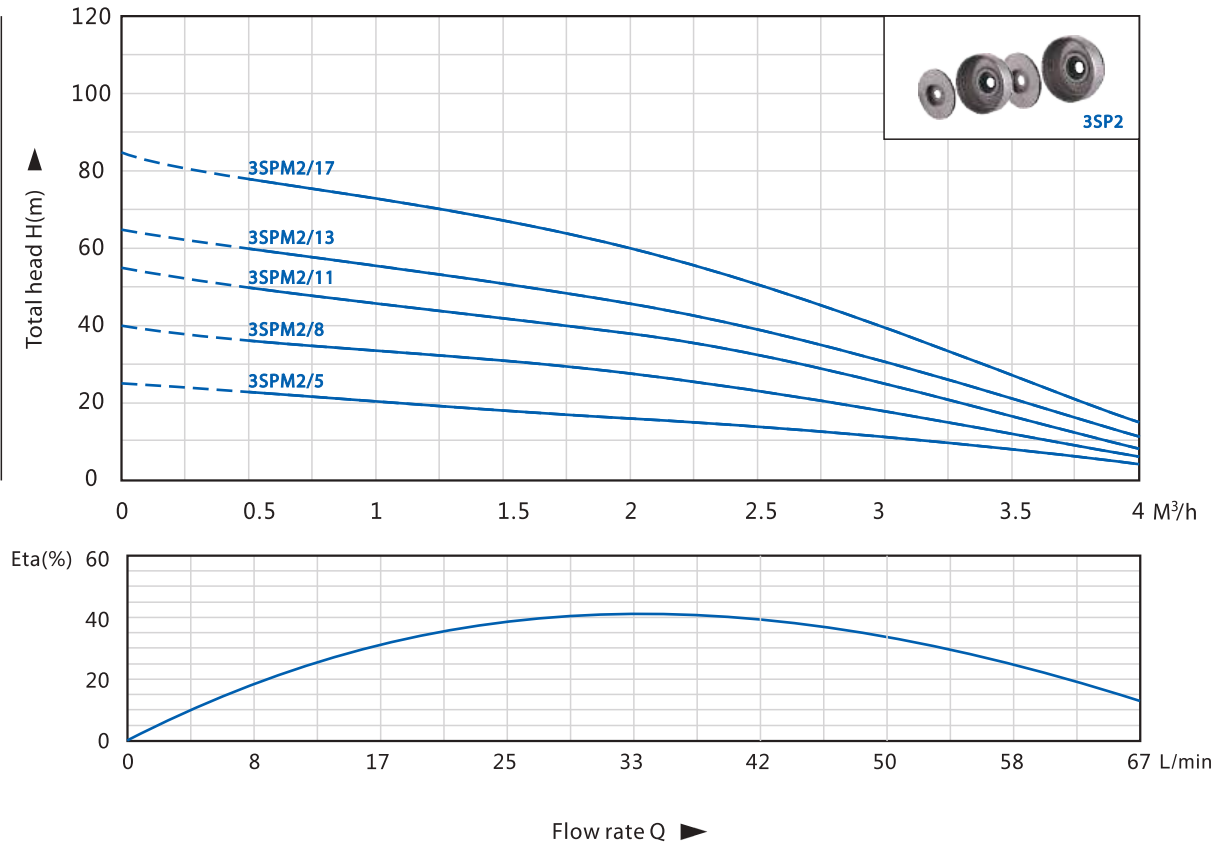
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1¼"



Components	Material
Pump body	AISI304 SS
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	AISI304 SS
Impeller	AISI304 SS
Diffuser	AISI304 SS
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	AISI304 SS
Shaft coupling	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request



PERFORMANCE CHART AT N=3450RPM

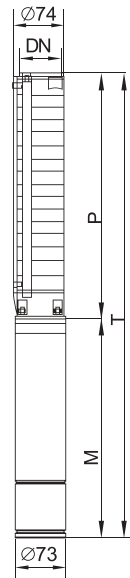


PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m									
			Q(M³/h)	0	0.5	1	1.5	2	2.5	3	3.5	4
1~ 110V-127V / 220V-240V	kW	HP	Q(L/min)	0	8	17	25	33	42	50	58	67
3SPM2/5	0.25	0.33	H(m)	25	23	21	19	17	15	12	8	4
3SPM2/8	0.37	0.5		40	37	34	31	28	24	20	13	6
3SPM2/11	0.55	0.75		55	51	47	42	39	33	27	18	9
3SPM2/13	0.75	1		65	60	55	50	46	39	32	21	12
3SPM2/17	1.1	1.5		85	79	73	66	60	51	41	28	16

DIMENSIONS & WEIGHTS

Model	DN	DIMESION (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
1~ 110V-127V / 220V-240V							
3SPM2/5	1¼"	290	390	630	1.2	4.7	5.9
3SPM2/8	1¼"	390	430	770	1.6	5.5	7.1
3SPM2/11	1¼"	350	430	730	2	6.5	8.5
3SPM2/13	1¼"	390	470	810	2.4	7.5	9.9
3SPM2/17	1¼"	470	555	975	2.8	9.7	12.5



4SP

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply,
mining, draiaage in breeding industry.

Operating conditions

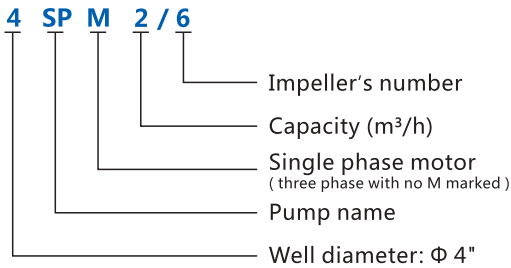
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
4SPM Minimum internal diameter of well: 4"(100mm)
Maximum sand content: 0.25%
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

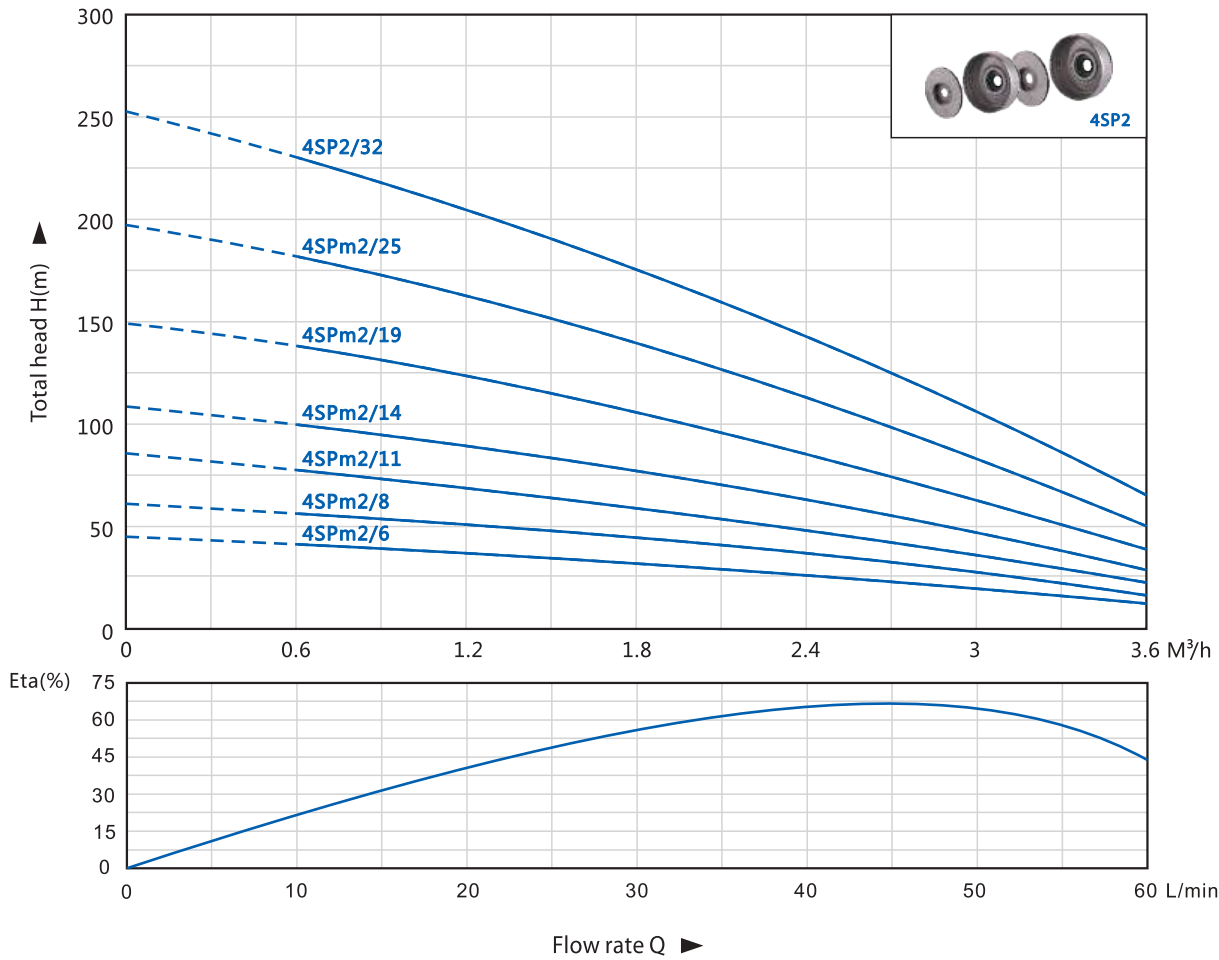
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2 Meter
Outlet dimension : 1¼", 1½", 2"



Components	Material
Pump body	AISI304 SS
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	AISI304 SS
Impeller	AISI304 SS
Diffuser	AISI304 SS
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	AISI304 SS
Shaft coupling	AISI304 SS
Oil chamber	Cast iron, Cast-Cu if request



PERFORMANCE CHART AT N=3450RPM

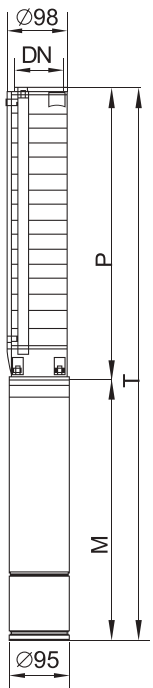


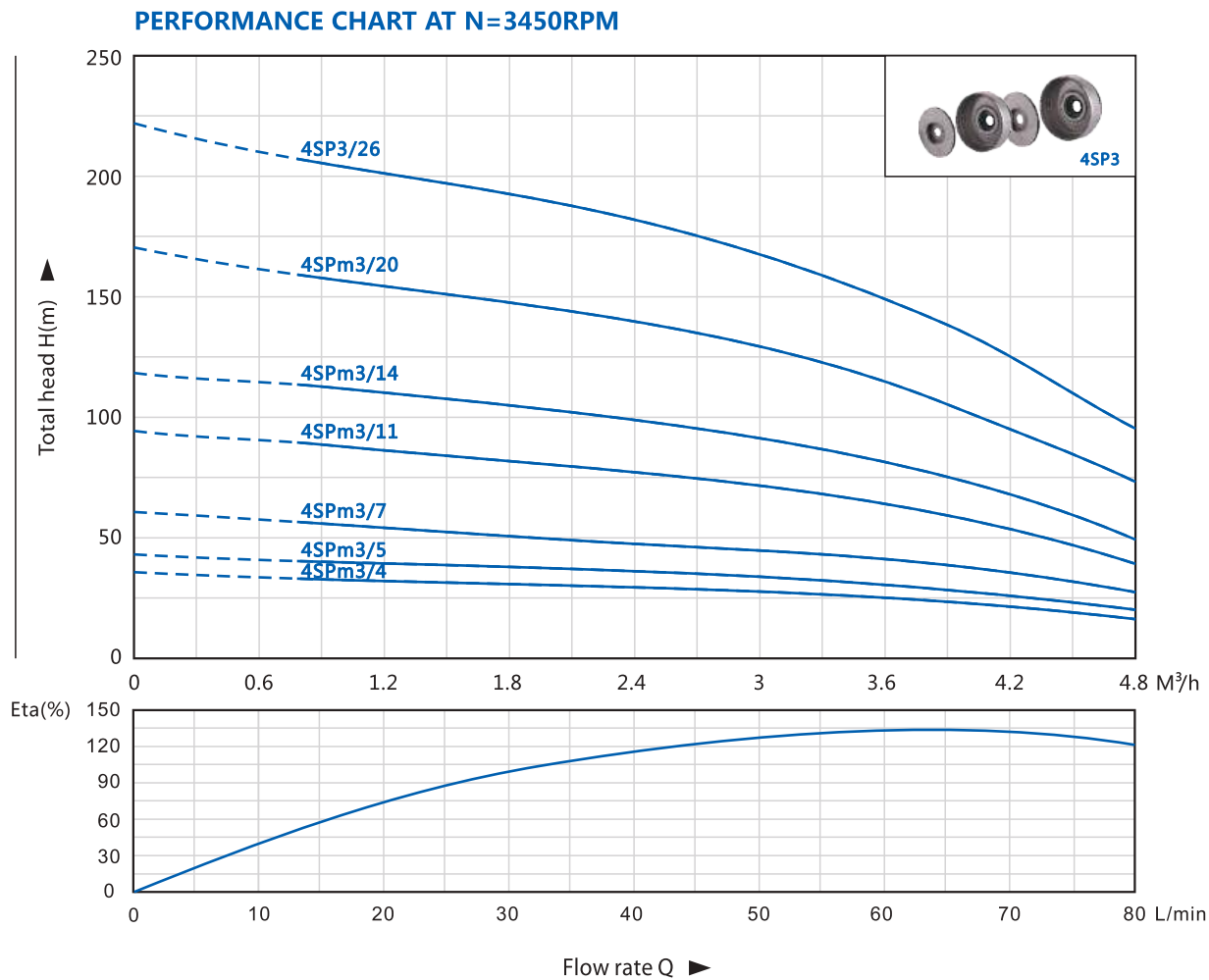
PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head n=3450 r.p.m							
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6
				Q(L/min)	0	10	20	30	40	50	60
4SPm2/6		0.37	0.5	H(m)	47	43	37	33	27	20	12
4SPm2/8		0.55	0.75		63	58	50	44	36	27	16
4SPm2/11	4SP2/11	0.75	1		87	79	68	61	50	37	22
4SPm2/14	4SP2/14	1.1	1.5		110	101	87	78	64	47	28
4SPm2/19	4SP2/19	1.5	2		150	137	118	106	87	63	38
4SPm2/25	4SP2/25	2.2	3		197	181	156	139	114	83	50
	4SP2/32	3	4		252	230	198	177	145	107	64

DIMENSIONS & WEIGHTS

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	M	T	P	M	T
4SPm2/6		1¼" / 1½"	281	363	594	2.8	7.2	10
4SPm2/8		1¼" / 1½"	333	378	661	3.2	8	11.2
4SPm2/11	4SP2/11	1¼" / 1½"	369	398	717	3.8	8.7	12.5
4SPm2/14	4SP2/14	1¼" / 1½"	459	438	847	4.4	10.8	15.2
4SPm2/19	4SP2/19	1¼" / 1½"	564	515	1029	5.5	13.8	19.3
4SPm2/25	4SP2/25	1¼" / 1½"	690	590	1230	6.8	17.4	24.2
	4SP2/32	1¼" / 1½"	837	605	1392	8.2	19.3	27.5



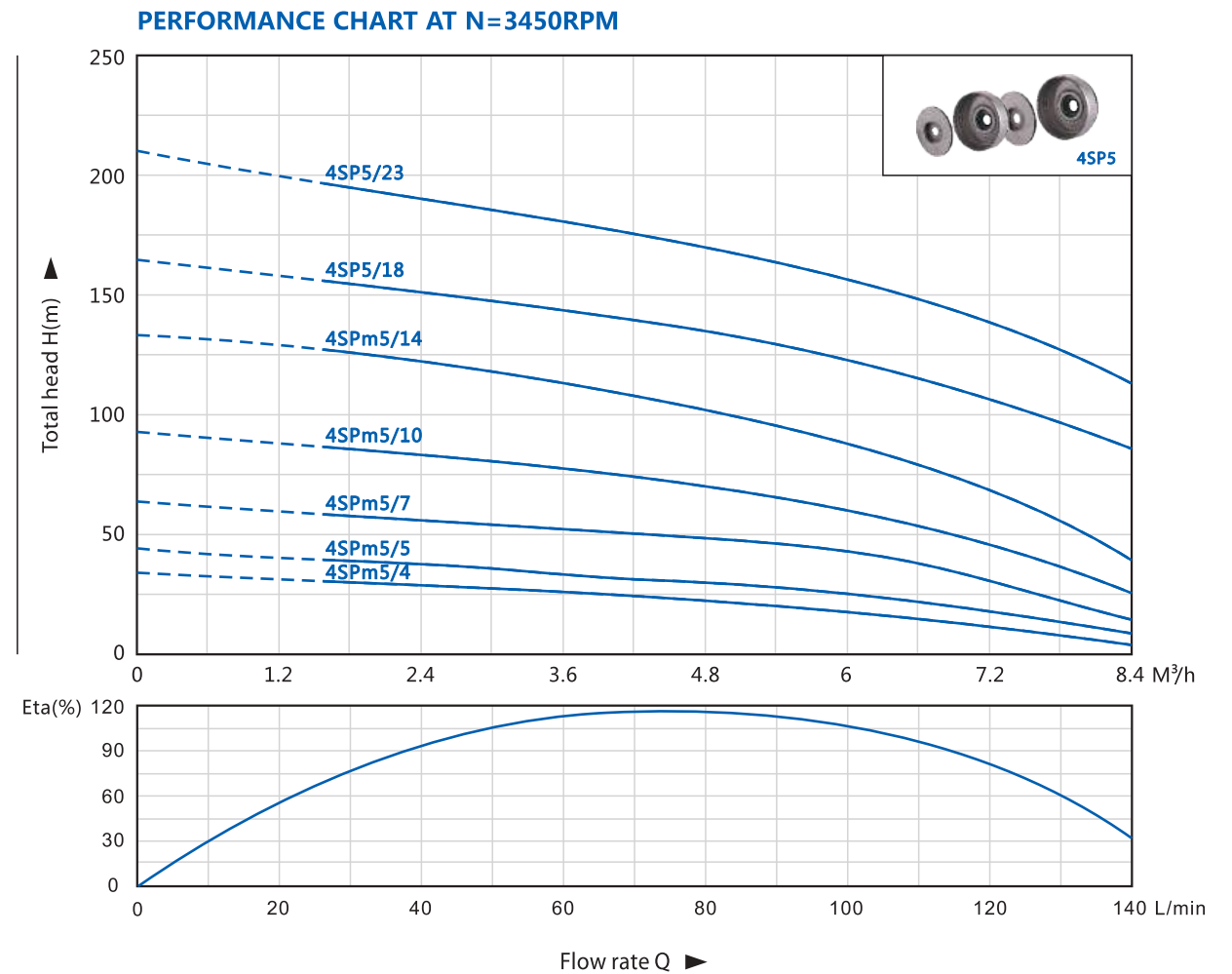
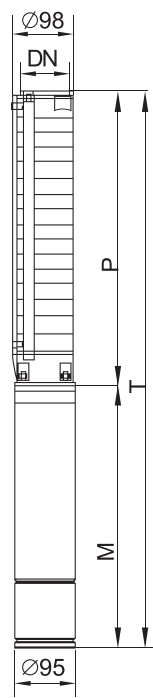


PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head n=3450 r.p.m									
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
4SPm3/4		0.37	0.5	Q(L/min)	0	10	20	30	40	50	60	70	80
4SPm3/5		0.55	0.75	H(m)	35	33	31	30	28	26	23	19	14
4SPm3/7	4SP3/7	0.75	1		43	41	39	37	35	32	29	23	18
4SPm3/11	4SP3/11	1.1	1.5		61	57	54	52	49	45	40	33	25
4SPm3/14	4SP3/14	1.5	2		95	90	85	82	77	71	63	51	39
4SPm3/20	4SP3/20	2.2	3		121	115	109	104	98	90	81	65	50
	4SP3/26	3	4		171	164	155	149	140	129	115	94	71
					226	213	202	193	182	167	150	122	93

DIMENSIONS & WEIGHTS

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	M	T	P	M	T
4SPm3/4		1¼" / 1½"	249	363	562	2.3	7.2	9.5
4SPm3/5		1¼" / 1½"	270	378	598	2.6	8	10.6
4SPm3/7	4SP3/7	1¼" / 1½"	312	398	660	3	8.7	11.7
4SPm3/11	4SP3/11	1¼" / 1½"	396	438	784	3.8	10.8	14.6
4SPm3/14	4SP3/14	1¼" / 1½"	459	515	924	4.4	13.8	18.2
4SPm3/20	4SP3/20	1¼" / 1½"	585	590	1125	5.7	17.4	23.1
	4SP3/26	1¼" / 1½"	711	605	1266	7	19.3	26.3

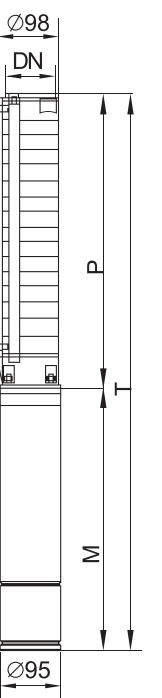


PERFORMANCE DATA 60Hz

Model		Power		Capacity & Head n=3450 r.p.m									
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	
4SPm5/4		0.55	0.75	Q(L/min)	0	20	40	60	80	100	120	140	
4SPm5/5	4SP5/5	0.75	1	H(m)	37	35	33	31	28	26	20	12	
4SPm5/7	4SP5/7	1.1	1.5		46	44	42	39	35	33	25	15	
4SPm5/10	4SP5/10	1.5	2		64	61	58	55	49	46	35	21	
4SPm5/14	4SP5/14	2.2	3		91	88	83	79	70	65	50	30	
	4SP5/18	3	4		128	123	117	110	99	91	70	42	
	4SP5/23	4	5.5		156	147	140	134	126	116	104	84	
					200	188	179	171	161	148	133	108	

DIMENSIONS & WEIGHTS

Model		DN	DIMESION (mm)			WEIGHT (kg)		
1~ 110V-127V/220V-240V	3~ 220V-240V/380V-415V		P	M	T	P	M	T
4SPm5/4		1¼" / 1½"	261	378	589	2.2	8	10.2
4SPm5/5	4SP5/5	1¼" / 1½"	285	398	633	2.5	8.7	11.2
4SPm5/7	4SP5/7	1¼" / 1½"	333	438	721	3	10.8	13.8
4SPm5/10	4SP5/10	1¼" / 1½"	405	515	870	3.7	13.8	17.5
4SPm5/14	4SP5/14	1¼" / 1½"	501	590	1041	4.6	17.4	22
	4SP5/18	1¼" / 1½"	597	605	1152	5.6	19.3	24.9
	4SP5/23	1¼" / 1½"	717	723	1390	6.8	21.9	28.7



4SN2

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.15%
Minimum well diameter: 4"

Motor and pump

Rewindable motor
Single-phase: 110V-127V/220-240V/60Hz
Three-phase: 220V-240V/380-415V/60Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

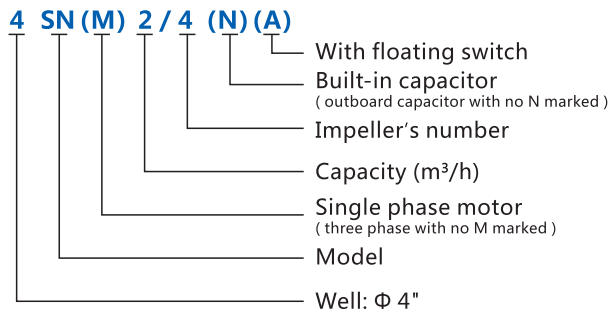
Special mechanical seal

Warranty: 2 years

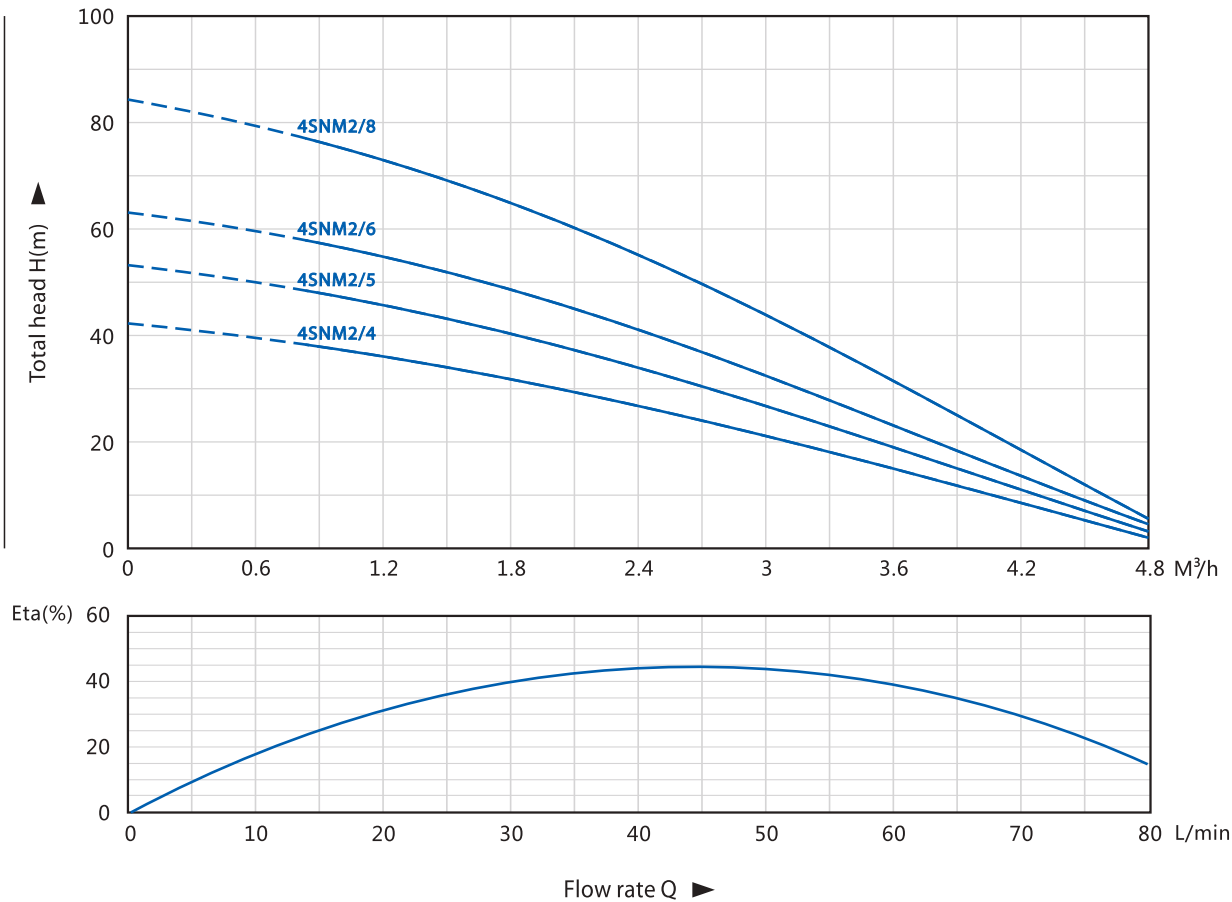
(according to our general sales conditions)



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Pump external casing	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head									
	kW	HP	n=3450r.p.m									
			Q(M³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
1~ 110V-127V / 220V-240V			Q(L/min)	0	10	20	30	40	50	60	70	80
4SNM2/4	0.37	0.5	H(m)	42	40	37	32	27	21	14	6	2
4SNM2/5	0.55	0.75		53	50	46	40	34	27	18	8	3
4SNM2/6	0.75	1		63	60	55	48	41	32	21	10	4
4SNM2/8	1.1	1.5		84	80	73	64	54	43	29	13	5

4SN4

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.15%
Minimum well diameter: 4"

Motor and pump

Rewindable motor
Single-phase: 110V-127V/220-240V/60Hz
Three-phase: 220V-240V/380-415V/60Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

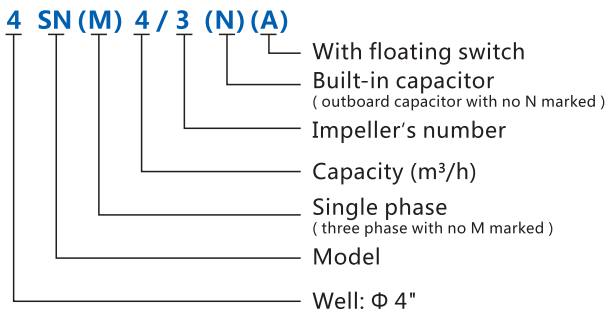
Special mechanical seal

Warranty: 2 years

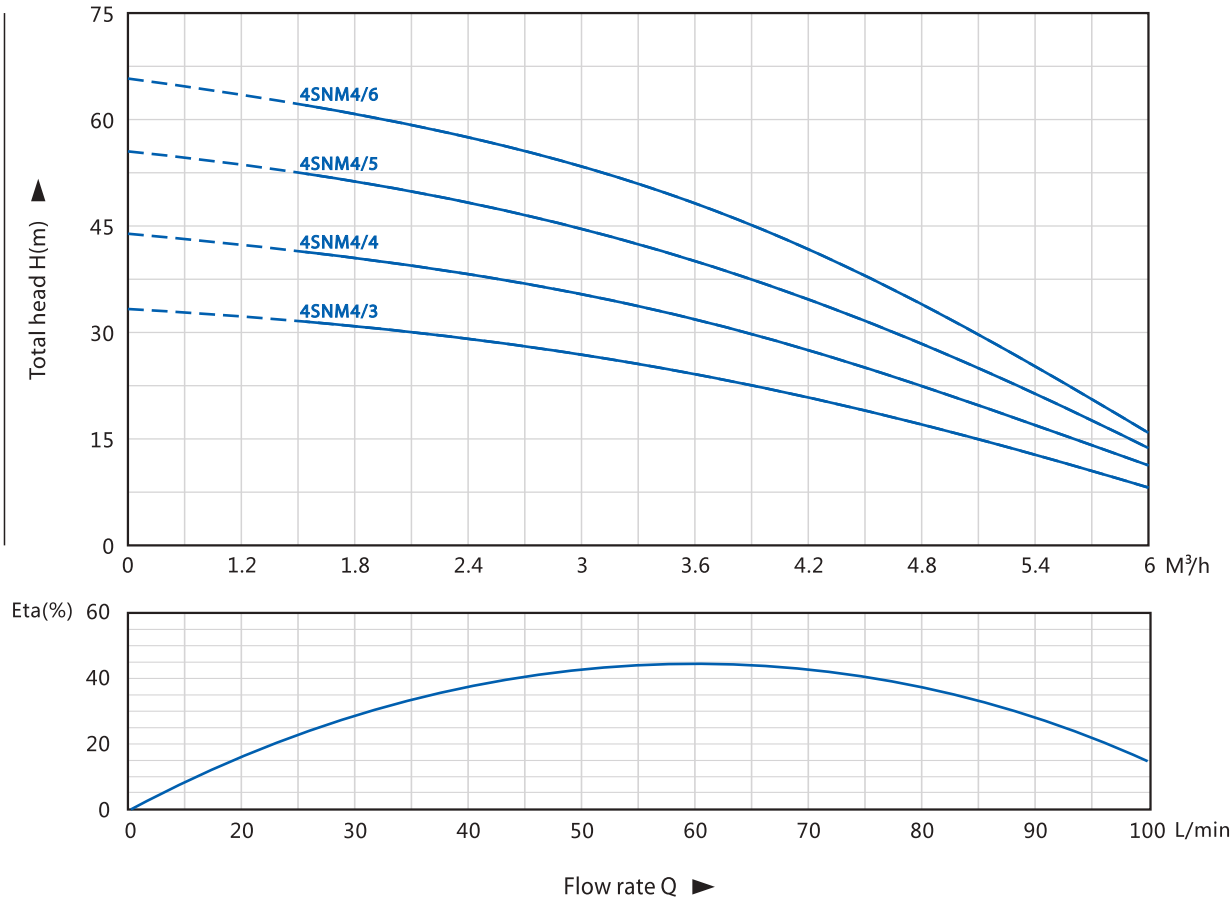
(according to our general sales conditions)



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Pump external casing	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head											
	kW	HP	n=3450r.p.m											
			Q(M³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	
1~ 110V-127V / 220V-240V			Q(L/min)	0	20	30	40	50	60	70	80	90	100	
4SNM4/3	0.37	0.5	H(m)	33	32	30	28	27	24	20	16	12	8	
4SNM4/4	0.55	0.75		44	42	40	38	36	32	27	22	16	11	
4SNM4/5	0.75	1		55	53	51	48	45	40	34	28	21	14	
4SNM4/6	1.1	1.5		65	63	60	58	54	48	40	33	25	16	

Applications

For water supply from wells or reservoirs
 For domestic use, for civil and industrial applications
 For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
 Maximum sand content:0.15%
 Minimum well diameter:Ø130mm

Motor and pump

Rewindable motor
 Single-phase: 110V-127V/220-240V/60Hz
 Three-phase: 220V-240V/380-415V/60Hz
 Equip with start control box or digital auto-control box
 It's available to equip with floating switch
 Curve tolerance according to ISO 9906

Options on request

Special mechanical seal

Warranty: 2 years

(according to our general sales conditions)



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	①Plastic. PPO ②AISI 304 SS
Impeller	①Plastic. PPO ②AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM NO. 30 ②AISI 420 SS
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use

SC (M) 3 (N) (A)

with floating switch

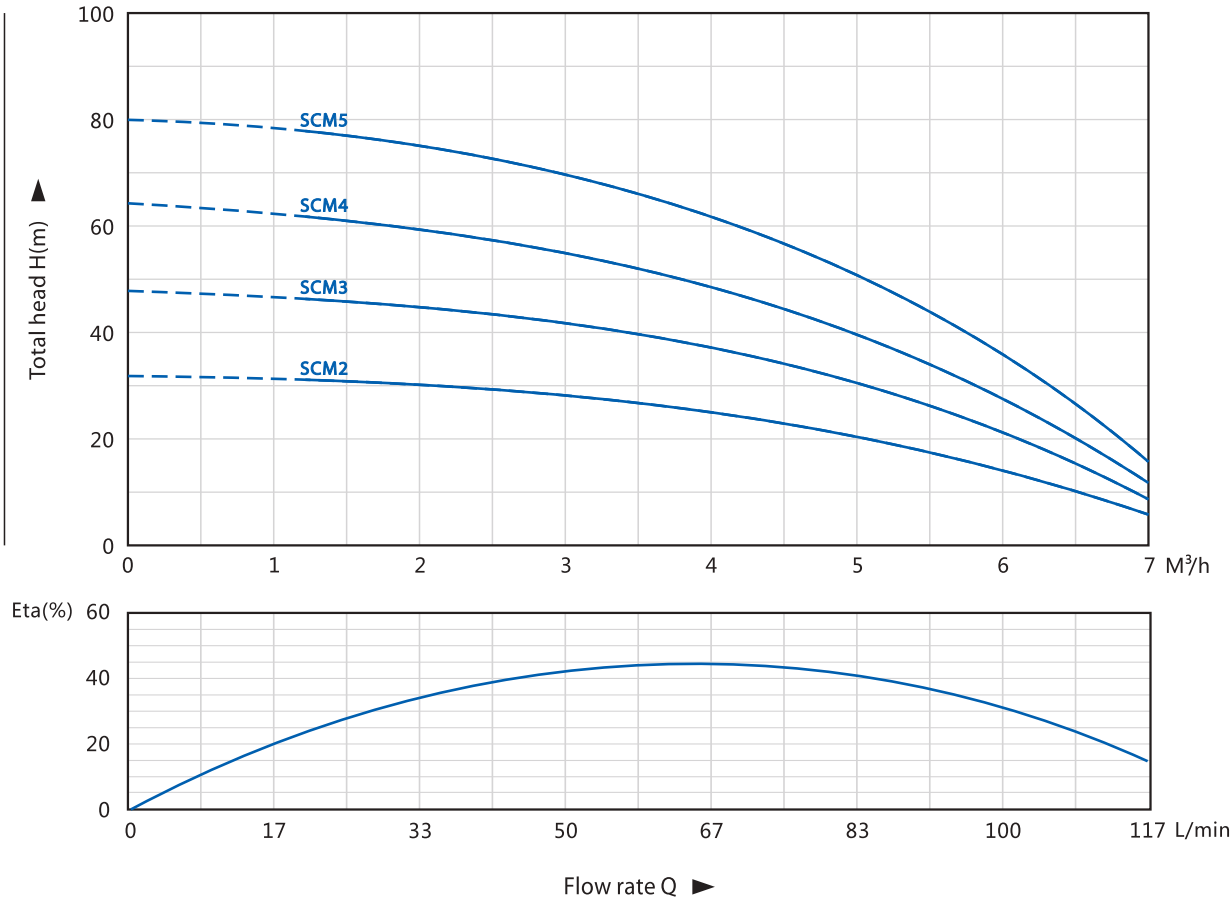
built-in capacitor
(outboard capacitor with no N marked)

impeller's number

single phase
(three phase with no M marked)

model

PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m								
1~ 110V-127V / 220V-240V	kW	HP	Q(M³/h)	0	1	2	3	4	5	6	7
			Q(L/min)	0	17	33	50	67	83	100	117
SCM2	0.55	0.75	H(m)	32	31	30	28	25	20	15	6
SCM3	0.75	1		48	46	45	42	37	31	22	9
SCM4	1.1	1.5		64	62	60	56	49	41	29	12
SCM5	1.5	2		80	78	76	71	62	52	37	16

4QG SOLAR PUMP

Profile

Adopt stainless steel screw and rubber, permanent Magnet Brushless motor. With combination of motor and controller, the max efficiency is over 85%, raises 25% than the traditional AC one.

Material

- ① Stainless steel casing, shaft core, coupling and pump body; copper alloy connecting, base; rubber stator of high-strength and wear-resistant.
- ② Oil filled style stainless steel submersible motor.

Product Feature

- ① Compact structure, high-lift, noiseless, pollution-free; complete electrical protecting controller device, against under-voltage, over-voltage, over-flow, overload, waterless etc; automatic recovery; controlling water height as demand.
- ② Easy installation, maintenance-free, safe and reliable.
Max Head: 95m Max flow: 3.6m³/h

Application

- ① These electric pumps series are workable with in maximum head, as there are no restrictions of BDC. With the addition of high head, high efficiency and wide high efficiency zone, they are suitable for distance water irrigation, high efficiency of increasing oxygen on aquaculture, pumping water from deep well, gardening, fountain and etc.

Working condition

- ① Non-corrosive water; the volume ratio of sand content no more than 1‰; particle size less than 0.2mm.
- ② Max medium temperature up to +40°C; PH value remains 6.5-8.5.
- ③ Work close to the rated head and must be immersed in water.



4QG

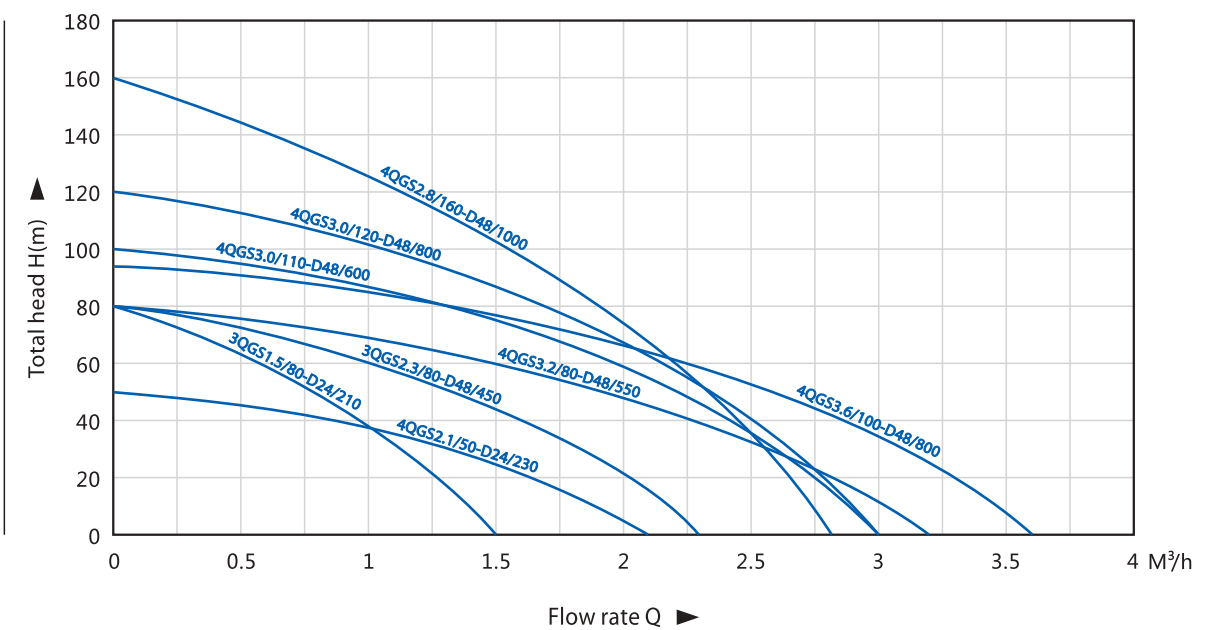


Solar panel



Motor controller

PERFORMANCE CHART AT N=4500RPM



Model	Impeller	Solar array Voltage (v)	Solar array Power (w)	Max.flow (m³/h)	Max.head (m)	Outlet (inch)	GW (kg)	Dimension (mm)
3QGS1.5/80-D24/210	Screw	36	280	1.5	80	0.75"	7.5	76×460
3QGS2.3/80-D48/450		70	570	2.3	80	0.75"	9	76×460
4QGS2.1/50-D24/230		36	280	2.1	50	1"	9.5	100×480
4QGS3.2/80-D48/550		70	570	3.2	80	1"	10.5	100×480
4QGS3.6/100-D48/800		70	1140	3.6	95	1"	13.5	100×550
4QGS3.0/110-D48/600		70	820	3.0	100	1"	10.5	100×490
4QGS3.0/120-D48/800		70	1140	3.0	120	1"	10.8	100×510
4QGS2.8/160-D48/1000		70	1430	2.8	160	1"	13.5	100×540

3 SOLAR PUMP

Profile

Adopt stainless steel casing, shaft core, coupling, water entry base and pump body (or copper alloy water entry base, pump body) to avoid rust or corrosion, stainless steel impeller and stainless steel blower inlet casing. New "floating style" structure of impeller avoids axial pressure to motor. With combination of motor and controller, the max efficiency is over 85%, raises 20% than the traditional AC one.

Material

- ① Stainless steel casing, shaft core, coupling and pump body; copper alloy connecting, base; stainless steel impeller and stainless steel inlet blower inlet casing.
- ② Oil filled style stainless steel submersible motor.

Product Feature

- ① Compact structure, high-lift, noiseless, pollution-free; complete electrical protecting controller device, against under-voltage, over-voltage, over-flow, overload, waterless etc; automatic recovery; controlling water height as demand.
- ② Easy installation, maintenance-free, safe and reliable.
Max Head: 95m Max flow: 5m³/h

Application

- ① These electric pumps series are workable within maximum head, as there are no restrictions of BDC. With the addition of high head, high efficiency and wide high efficiency zone, they are suitable for distance water irrigation, high efficiency of increasing oxygen on aquaculture, pumping water from deep well, gardening, fountain and etc.

Working condition

- ① Non-corrosive water; the volume ratio of sand content no more than 3‰; particle size less than 1mm.
- ② Max medium temperature up to +40°C; PH value remains 5-10.
- ③ Work close to the rated head and must be immersed in water.



3SPSC

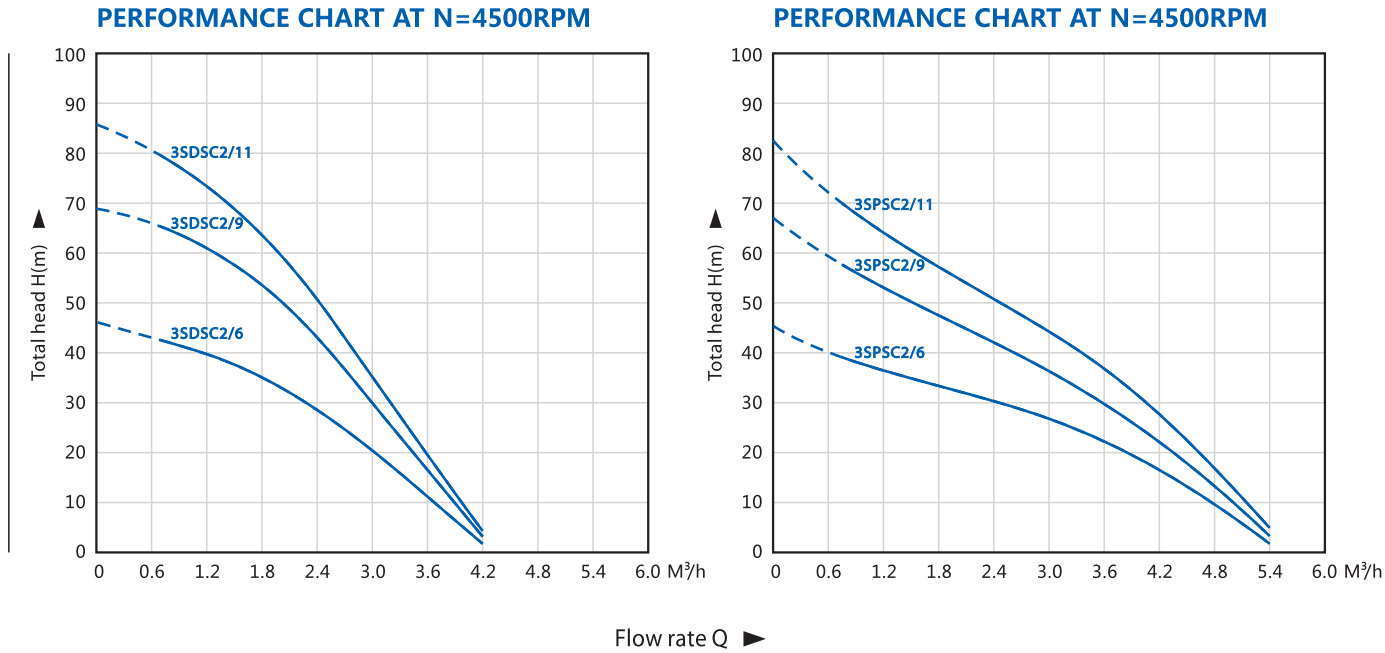
3SDSC



Solar panel



Motor controller



Model	Kw	Current	Solar array Voltage (v)	Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
				Q(l/min)	0	10	20	30	40	50	60	70	80	90
3SDSC2/6-D48/600	0.6W	12.5A	50V-70V	H(m)	46	43	41	35	29	20	8	2		
3SDSC2/9-D72/800	0.8W	11.2A	80V-110V		69	67	61	53	44	30	11	3		
3SDSC2/11-D72/1000	1.0W	13.8A			85	82	75	65	53	36	14	4		
3SPSC2/6-D48/600	0.6W	12.5A	50V-70V		45	37	35	32	30	26	23	20	8	2
3SPSC2/9-D72/800	0.8W	11.2A	80V-110V		67	56	52	48	44	39	34	26	11	3
3SPSC2/11-D72/1000	1.0W	13.8A			82	68	63	58	53	48	41	31	14	4

4 SOLAR PUMP

Profile

Adopt stainless steel casing, shaft core, coupling, water entry base and pump body (or copper alloy water entry base, pump body) to avoid rust or corrosion, stainless steel impeller and stainless steel blower inlet casing. New "floating style" structure of impeller avoids axial pressure to motor. With combination of motor and controller, the max efficiency is over 85%, raises 20% than the traditional AC one.

Material

- ① Stainless steel casing, shaft core, coupling and pump body; copper alloy connecting, base; stainless steel impeller and stainless steel inlet blower inlet casing.
- ② Oil filled style stainless steel submersible motor.

Product Feature

- ① Compact structure, high-lift, noiseless, pollution-free; complete electrical protecting controller device, against under-voltage, over-voltage, over-flow, overload, waterless etc; automatic recovery; controlling water height as demand.
- ② Easy installation, maintenance-free, safe and reliable.
Max Head: 130m Max flow: 15m³/h

Application

- ① These electric pumps series are workable within maximum head, as there are no restrictions of BDC. With the addition of high head, high efficiency and wide high efficiency zone, they are suitable for distance water irrigation, high efficiency of increasing oxygen on aquaculture, pumping water from deep well, gardening, fountain and etc.

Working condition

- ① Non-corrosive water; the volume ratio of sand content no more than 3‰; particle size less than 1mm.
- ② Max medium temperature up to +40°C; PH value remains 5-10.
- ③ Work close to the rated head and must be immersed in water.



4SPSC

4SDSC

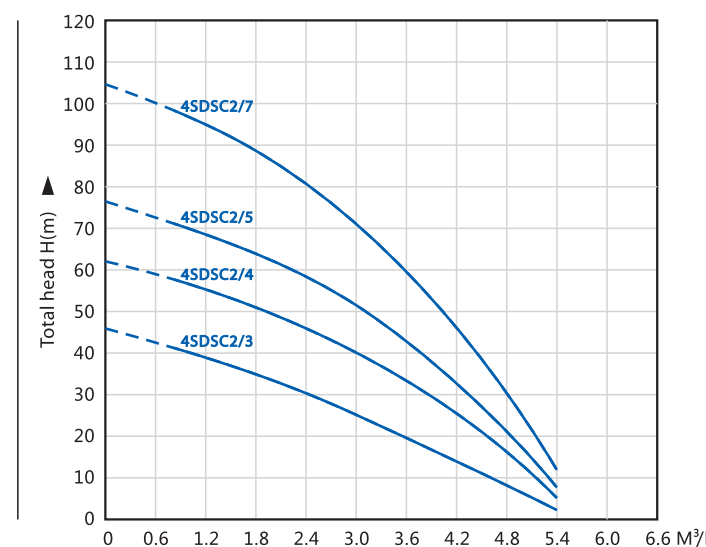


Solar panel

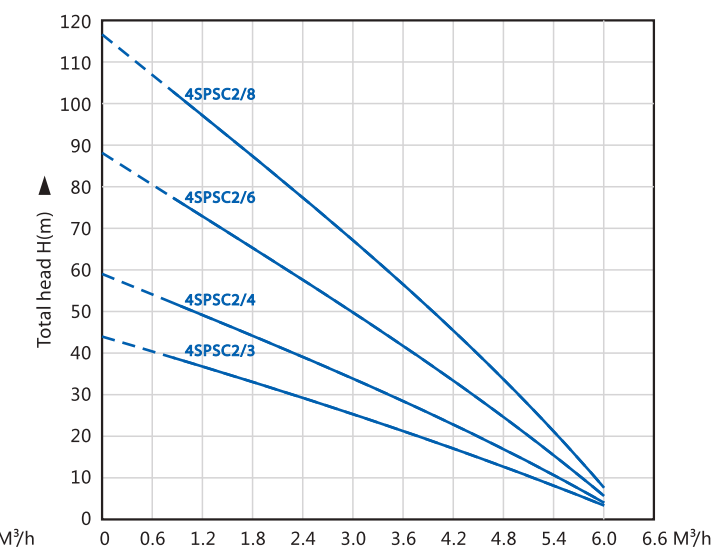


Motor controller

PERFORMANCE CHART AT N=4500RPM



PERFORMANCE CHART AT N=4500RPM



Flow rate Q ►

Model	Kw	Current	Solar array Voltage (v)	Q(m³/h)																
				Q(l/min)	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0					
4SDSC2/3-D48/400	400W	8.3A	50V-70V	H(m)	46	42	39	36	31	25	22	15	8	3						
4SDSC2/4-D48/600	600W	12.5A	50V-70V		62	58	55	51	46	41	33	24	19	6						
4SDSC2/5-D48/800	800W	16.5A	50V-70V		77	72	68	64	57	51	41	30	23	8						
4SDSC2/7-D72/1000	1000W	13.8A	80V-110V		105	100	95	89	80	71	57	42	32	12						
4SPSC2/3-D24/400	400W	16.5A	30V-36V		44	39	35	32	29	26	22	19	14	9	3					
4SPSC2/3-D48/400	400W	8.3A	50V-70V		44	39	35	32	29	26	22	19	14	9	3					
4SPSC2/4-D48/600	600W	12.5A	50V-70V		59	52	46	42	38	34	29	25	18	10	4					
4SPSC2/6-D48/800	800W	16.5A	50V-70V		88	79	69	63	57	51	43	37	27	15	6					
4SPSC2/8-D72/1000	1000W	13.8A	80V-110V		117	105	92	84	76	68	57	49	36	18	8					

6SR

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply, mining, drainage in breeding industry.

Operating conditions

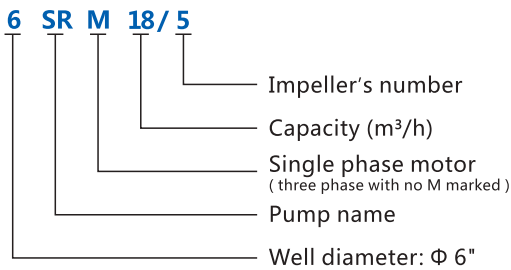
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
6SR Minimum internal diameter of well: 6"(150mm)
Maximum sand content: 0.25%
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2m
Outlet dimension : 3"

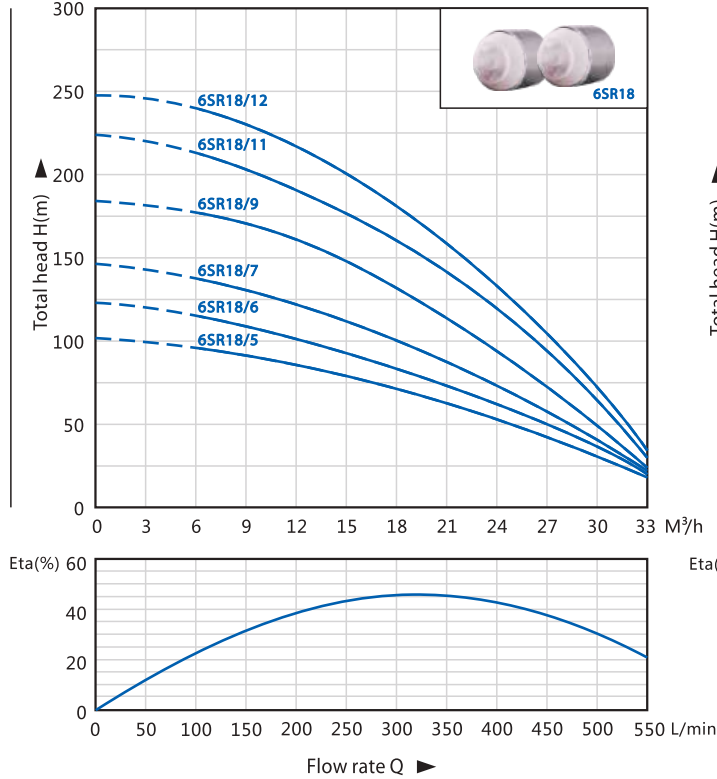


Components	Material
Pump body	Stainless steel
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	Stainless steel
Impeller	POM
Diffuser	Stainless steel+PC
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	Cast iron, Stainless steel if request
Shaft coupling	AISI304 SS
Oil chamber	Cast iron, Stainless steel if request

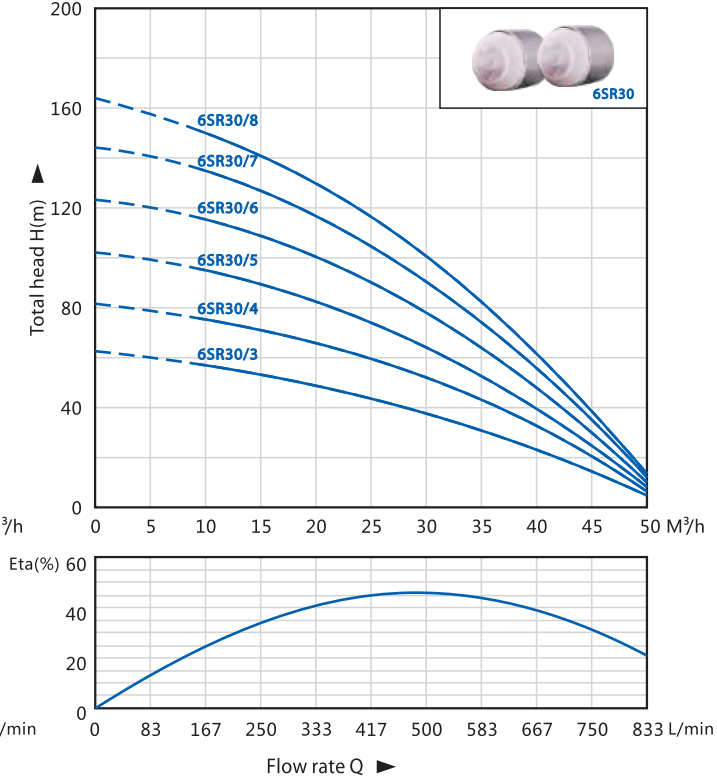


6SR

PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head n=3450r.p.m													
3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	3	6	9	12	15	18	21	24	27	30	33	
			Q(L/min)	0	50	100	150	200	250	300	350	400	450	500	550	
6SR18/5	5.5	7.5	H(m)	102	99	96	93	88	80	72	63	53	42	30	17	
6SR18/6	7.5	10		123	120	116	111	105	96	86	76	65	51	35	20	
6SR18/7	9.2	12.5		143	139	135	130	122	112	101	89	76	59	42	22	
6SR18/9	11	15		185	180	174	170	161	149	137	119	98	79	55	24	
6SR18/11	13	17.5		224	218	211	204	193	176	158	139	130	93	65	30	
6SR18/12	15	20		247	239	232	226	215	198	183	158	130	105	74	36	

Model	Power		Capacity & Head n=3450r.p.m											
3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	5	10	15	20	25	30	35	40	45	50
			Q(L/min)	0	83	167	250	333	417	500	583	667	750	833
6SR30/3	5.5	7.5	H(m)	62	58	55	53	49	44	39	31	23	14	4
6SR30/4	7.5	10		82	78	74	70	66	59	51	42	31	21	6
6SR30/5	9.2	12.5		103	98	93	88	82	74	65	52	39	24	9
6SR30/6	11	15		124	117	111	105	98	89	77	63	47	29	11
6SR30/7	13	17.5		144	137	130	123	114	104	90	73	55	34	13
6SR30/8	15	20		165	156	148	140	131	118	103	84	62	39	14

6SP

Application

For pumping clean water with sand content less than 150g/m³
For well pumping, river pumping, farm irrigation, water supply,
mining, drainage in breeding industry.

Operating conditions

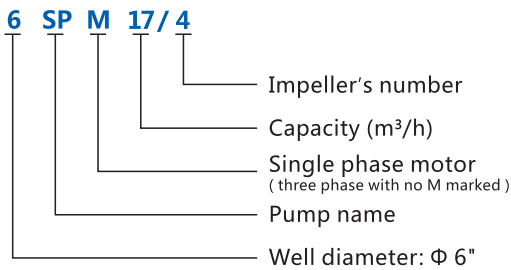
Water temperature up to 35°C
Ambient temperature permissible up to 40°C
6SP Minimum internal diameter of well: 6"(150mm)
Maximum sand content: 0.25%
Maximum immersion depth: 80m

Motor

Rewindable motor
Insulation **Class B**
Protection **IP68**
NEMA dimension standards

Options on request

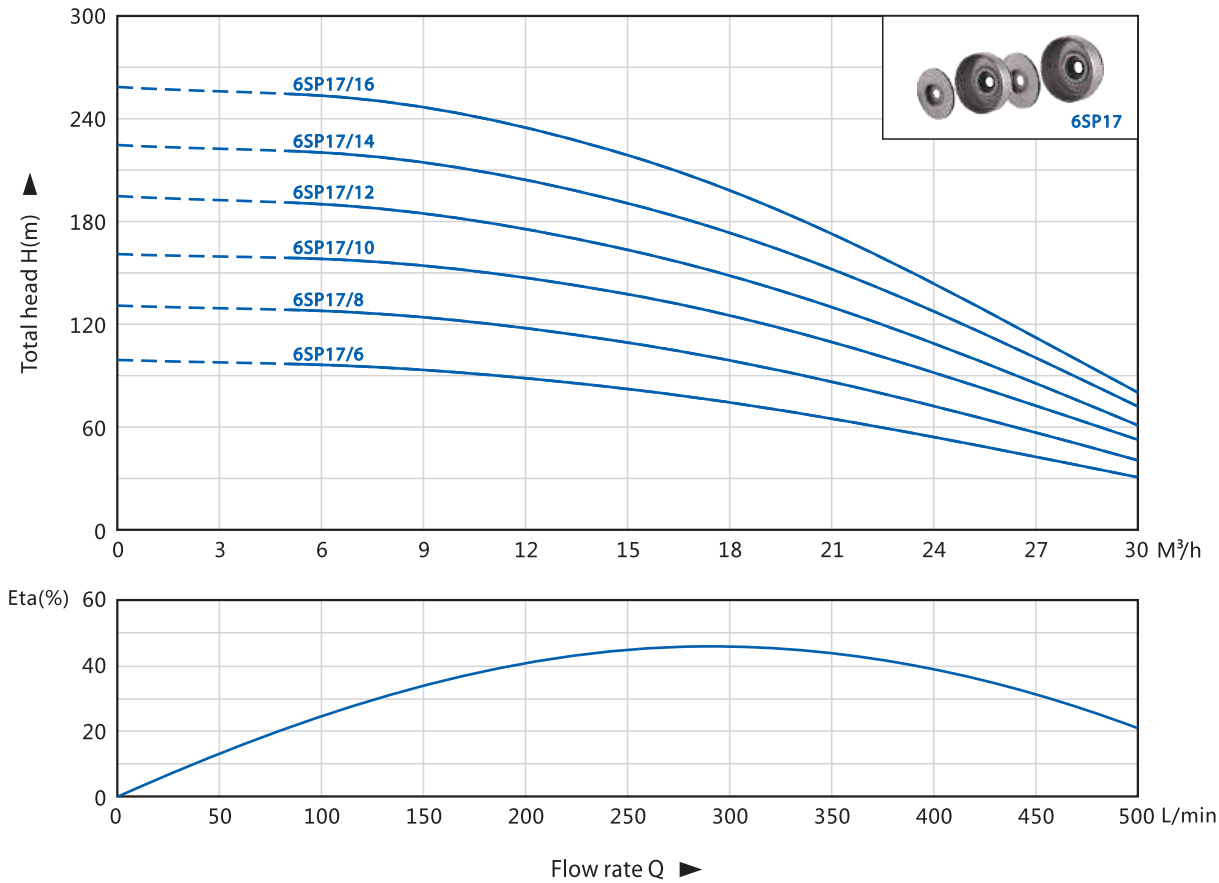
Special mechanical seal
Single phase motor with built-in capacitor
Single phase motor with control box
The length of cable: 2m
Outlet dimension : 2½", 3"



Components	Material
Pump body	AISI304 SS
Motor bracket	Stainless steel
Motor shaft	AISI304 SS
Pump shaft	AISI304 SS
Impeller	AISI304 SS
Diffuser	AISI304 SS
Bearing	C&U, NSK if request
Mechanical seal	Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
Coupling and outlet	AISI304 SS
Shaft coupling	AISI304 SS
Oil chamber	Cast iron, AISI304 SS if request



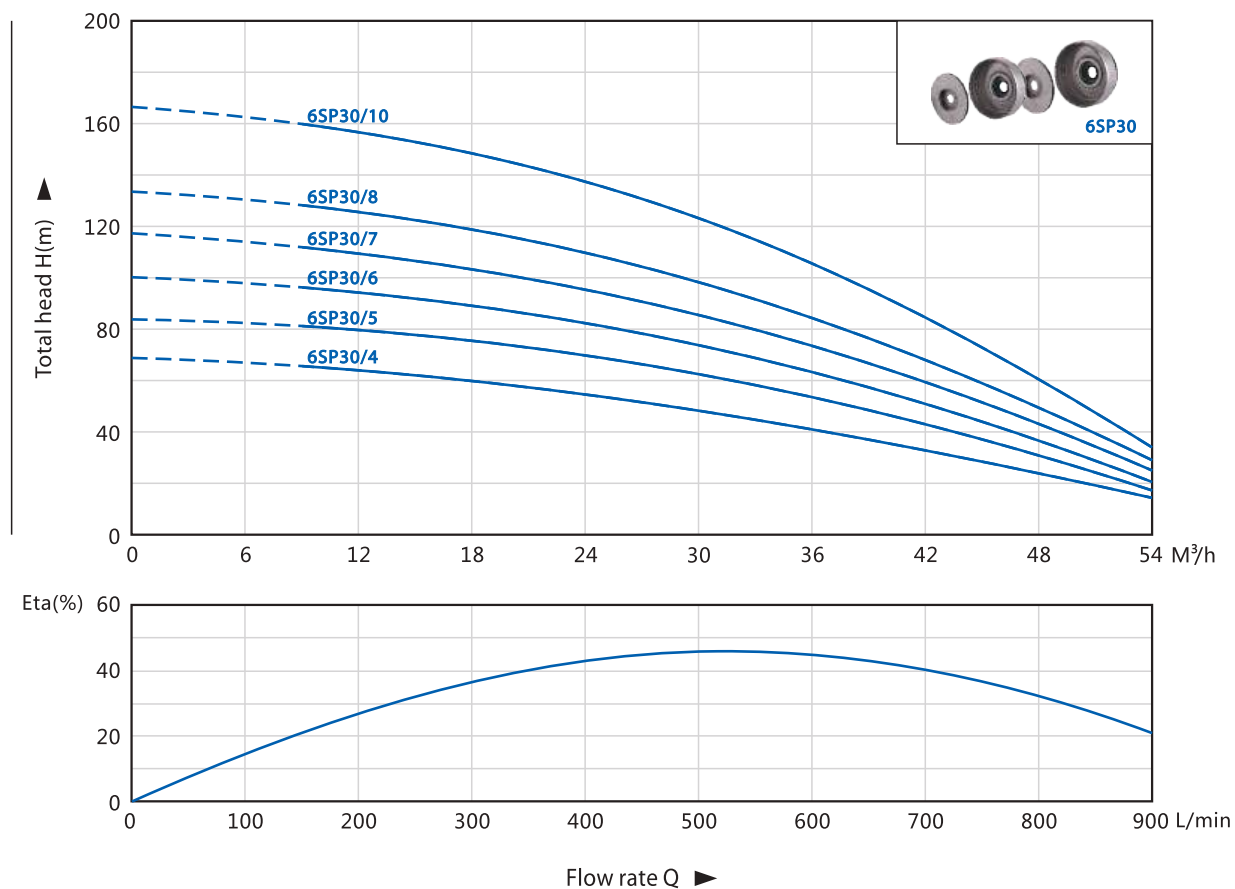
PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head													
	kW	HP	n=3450r.p.m													
			Q(M³/h)	0	3	6	9	12	15	18	21	24	27	30		
3~ 220V-240V/380V-415V			Q(L/min)	0	50	100	150	200	250	300	350	400	450	500		
6SP17/6	5.5	7.5	H(m)	97	96	95	93	87	81	75	65	55	43	31		
6SP17/8	7.5	10		129	128	127	123	117	109	99	87	73	57	41		
6SP17/10	9.2	12.5		161	160	159	154	146	136	124	109	91	71	51		
6SP17/12	11	15		194	192	190	185	175	163	149	130	110	86	62		
6SP17/14	13	17.5		226	224	222	216	204	190	174	152	128	100	72		
6SP17/16	15	20		258	257	254	247	233	217	199	174	146	114	82		

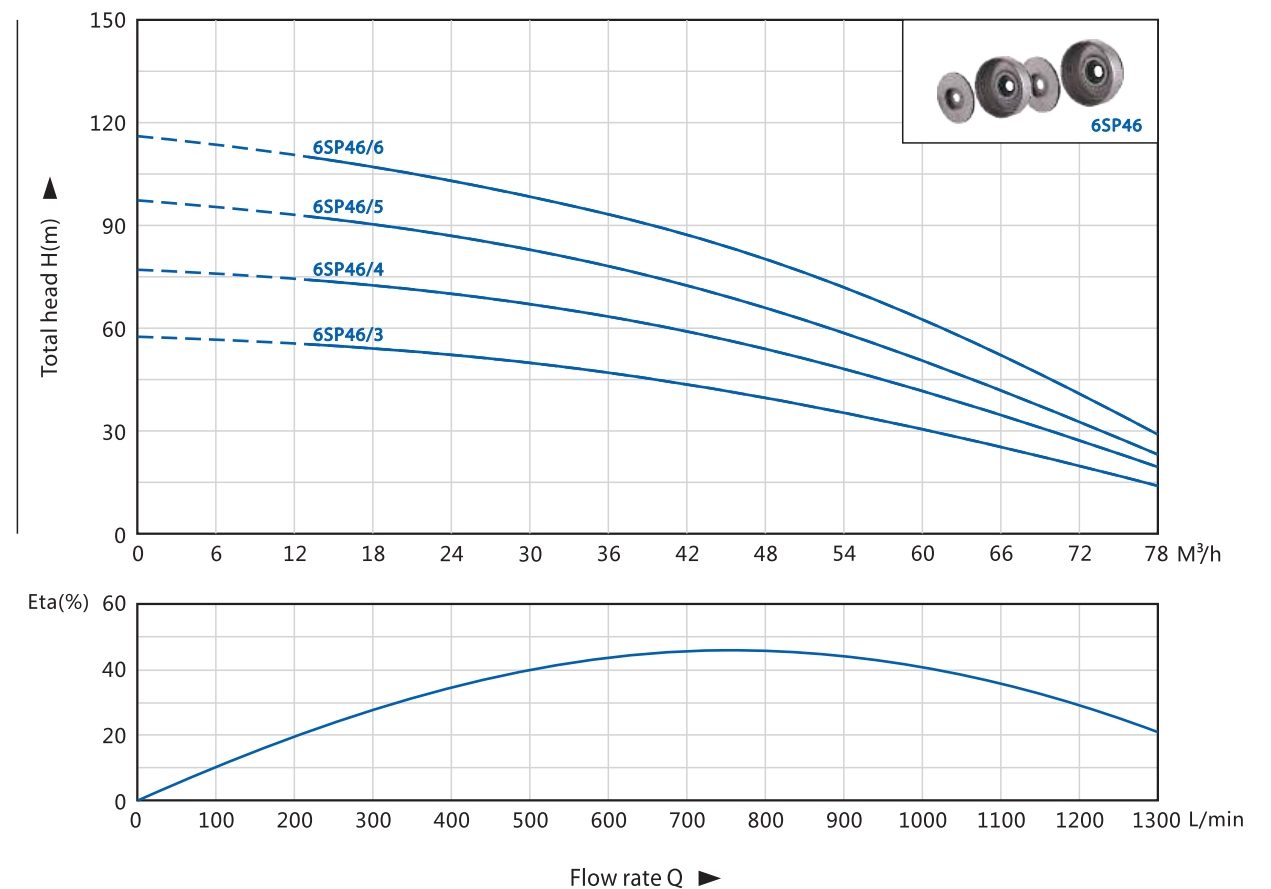
PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head										
			n=3450r.p.m										
3~ 220V-240V/380V-415V	kW	HP	Q(M³/h)	0	6	12	18	24	30	36	42	48	54
			Q(L/min)	0	100	200	300	400	500	600	700	800	900
6SP30/4	5.5	7.5	H(m)	67	65	62	59	55	51	45	35	25	14
6SP30/5	7.5	10		83	81	77	74	69	64	56	44	31	17
6SP30/6	9.2	12.5		100	97	92	88	83	76	67	53	37	20
6SP30/7	11	15		117	113	108	103	96	89	78	62	43	24
6SP30/8	13	17.5		133	129	123	118	110	102	89	71	49	27
6SP30/10	15	20		166	162	154	147	138	127	112	88	62	34

PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power		Capacity & Head														
3~ 220V-240V/380V-415V	kW	HP	n=3450r.p.m														
			Q(M³/h)	0	6	12	18	24	30	36	42	48	54	60	66	72	78
			Q(L/min)	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
6SP46/3	7.5	10	H(m)	58	56	55	54	52	49	47	44	40	37	32	27	21	14
6SP46/4	11	15		77	75	74	72	69	66	62	59	54	49	43	36	28	19
6SP46/5	13	18		96	94	92	90	87	82	78	73	67	62	54	45	35	24
6SP46/6	15	20		116	113	111	108	104	99	93	88	81	74	65	54	42	29

3SD

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed: **2850rpm**
Insulation class: **F**
Protection grade: **IP68**
Maximum fluid temperature up to **+35°C**
Minimum well diameter: **3"**

Motor and Pump

Rewindable motor
Single-phase: 110V-127V/220-240V/60Hz
Equip with start control box or digital auto-control box

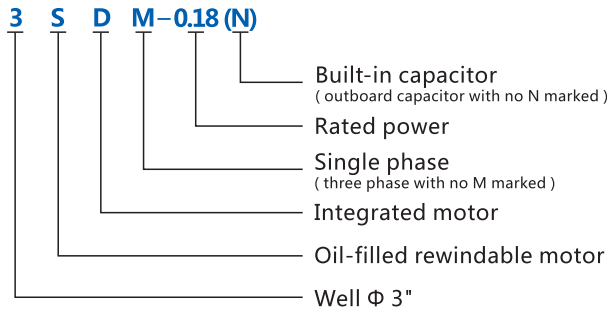
Options on request

Special mechanical seal
Single phase motor with built in capacitor

Warranty: 1 years

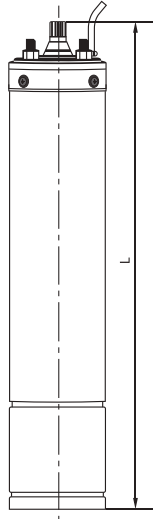
(according to our general sales conditions)

Components	Material
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500 ②Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 60Hz

Model	P ₂		n≈3450 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cos ψ	η (%)	L (mm)	Weight (kg)
3SDM-0.18	0.18	0.25	220-240V	1	2.1	0.93	51	380	4.0
3SDM-0.25	0.25	0.33			2.5	0.93	53	390	4.8
3SDM-0.37	0.37	0.5			3.3	0.93	56	430	5.6
3SDM-0.55	0.55	0.75			4.5	0.93	58	430	6.4
3SDM-0.75	0.75	1			6.0	0.93	62	440	7.5
3SDM-1.1	1.1	1.5			7.8	0.93	64	555	10.0
3SDM-1.5	1.5	2			10.0	0.93	65	605	11.3



4SD

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed: **2850rpm**
Insulation class: **F**
Protection grade: **IP68**
Maximum fluid temperature up to **+35°C**
Minimum well diameter: **4"**

Motor and Pump

Rewindable motor
Single-phase: 110V-127V/220-240V/60Hz
Three-phase: 220V-240V/380-415V/60Hz
Equip with start control box or digital auto-control box
NEMA dimension standards

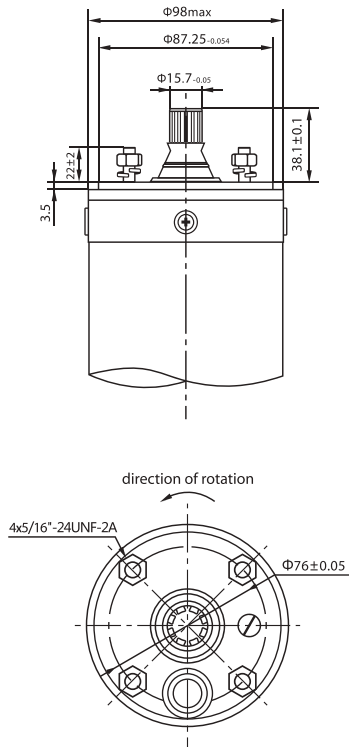
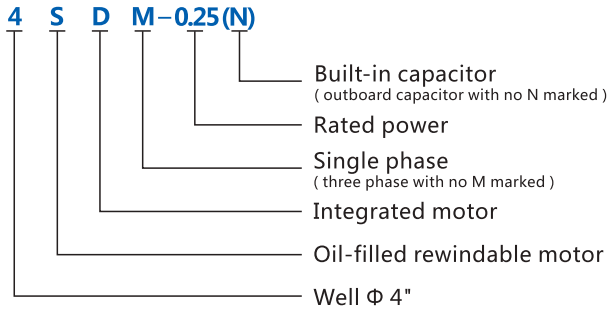
Options on request

Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 1 years

(according to our general sales conditions)

Components	Material
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500 ②Cast-iron ASTM NO.30 ③AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

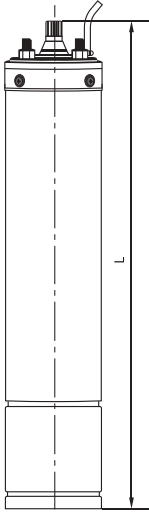


PERFORMANCE DATA 60Hz

Model	P ₂		n≈3450 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cos ψ	η (%)	L (mm)	Weight (kg)
4SDM-0.25	0.25	0.33	220-240V	1	2.5	0.93	52	348	6.3
4SDM-0.37	0.37	0.5			3.7	0.93	54	363	7.2
4SDM-0.55	0.55	0.75			4.7	0.93	57	378	8
4SDM-0.75	0.75	1			6.2	0.93	60	398	8.7
4SDM-1.1	1.1	1.5			8.0	0.93	63	438	10.8
4SDM-1.5	1.5	2			10.5	0.93	65	515	13.8
4SDM-2.2	2.2	3			15.0	0.93	66	605	17.4

PERFORMANCE DATA 60Hz

Model	P ₂		n≈3450 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cos ψ	η (%)	L (mm)	Weight (kg)
4SD-0.25	0.25	0.33	380-415V	3	1.0	0.75	55	348	6.3
4SD-0.37	0.37	0.5			1.4	0.75	58	363	7.2
4SD-0.55	0.55	0.75			1.8	0.76	61	378	8
4SD-0.75	0.75	1			2.5	0.77	64	398	8.7
4SD-1.1	1.1	1.5			3.2	0.78	67	438	10.8
4SD-1.5	1.5	2			4.0	0.79	69	505	13.8
4SD-2.2	2.2	3			6.0	0.80	71	555	17.4
4SD-3.0	3	4			8.0	0.81	72	620	19.3
4SD-4.0	4	5.5			10.0	0.82	74	723	21.9
4SD-5.5	5.5	7.5			12.0	0.83	75	812	25.6
4SD-7.5	7.5	10			15.0	0.84	76	903	28.3



5SR

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed: **2850rpm**
Insulation class: **F**
Protection grade: **IP68**
Maximum fluid temperature up to **+35°C**
Minimum well diameter: **5"**

Motor and Pump

Rewindable motor
Single-phase: 110V-127V/220-240V/60Hz
Three-phase: 220V-240V/380-415V/60Hz
Equip with start control box or digital auto-control box

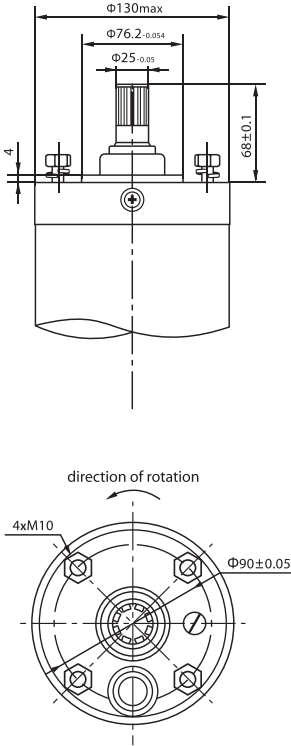
Options on request

Special mechanical seal

Warranty: 1 years

(according to our general sales conditions)

Components	Material
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500
Bottom support	②Cast-iron ASTM NO.30
Mechanical seal	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

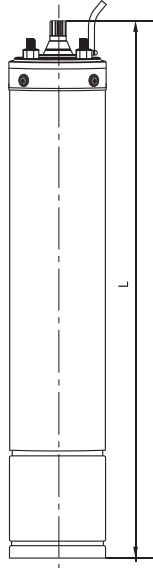


5 S R M-15

- Rated power
- Single phase (three phase with no M marked)
- Integrated motor
- Oil-filled rewindable motor
- Well Φ 5"

PERFORMANCE DATA 60Hz

Model	P ₂		n≈3450 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cos ψ	η (%)	L (mm)	Weight (kg)
5SRM-1.5	1.5	2	220-240V	1	11.5	0.93	65	465	16.4
5SRM-2.2	2.2	3			16.4	0.93	66	500	19.6
5SRM-3.0	3	4			21.9	0.93	67	540	22.3
5SR-1.5	1.5	2	380-415V	3	4.7	0.77	70	465	16.4
5SR-2.2	2.2	3			6.1	0.78	72	500	19.6
5SR-3.0	3	4			8.3	0.79	73	540	22.3
5SR-4.0	4	5.5			10.5	0.79	74	600	27.1
5SR-5.5	5.5	7.5			13.2	0.80	75	670	32.5
5SR-7.5	7.5	10			17.7	0.80	76	770	38.5
5SR-9.2	9.2	12.5			21.7	0.82	77	830	42.1
5SR-11	11	15			24.9	0.82	78	880	45.6
5SR-13	13	17.5			29.4	0.83	80	930	49.2
5SR-15	15	20			33.9	0.83	80	980	52.5



6SR

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

Operating conditions

Speed: **2850rpm**
Insulation class: **F**
Protection grade: **IP68**
Maximum fluid temperature up to **+35°C**
Minimum well diameter: **6"**

Motor and Pump

Rewindable motor
Three-phase: 220V-240V/380-415V/60Hz
①Direct start(1 cables)
②Star-delta start(2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards

Options on request

Special mechanical seal

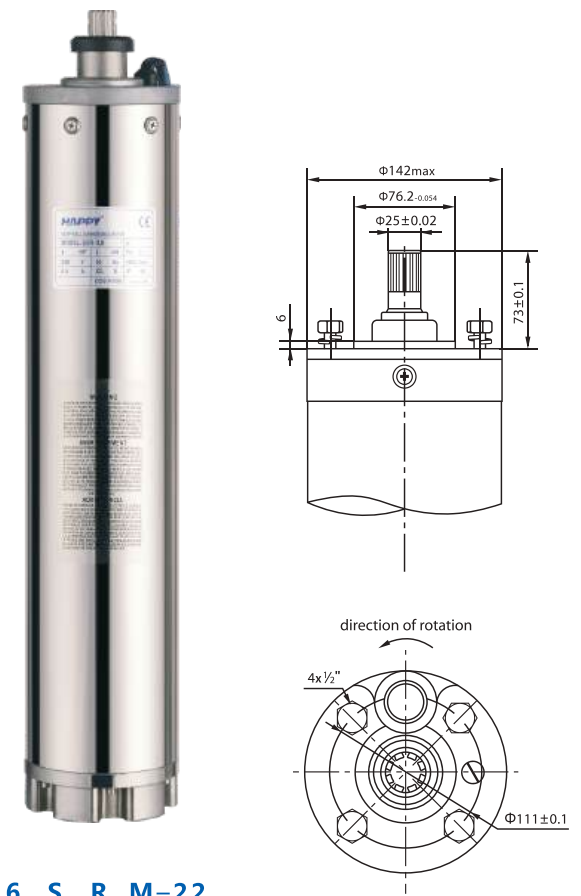
Warranty: 1 years

(according to our general sales conditions)

Components	Material
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	Cast-iron ASTM NO.30
Seal	NBR Carbon-SIC/TO
Shaft	AISI 304 SS-ASTM 5140

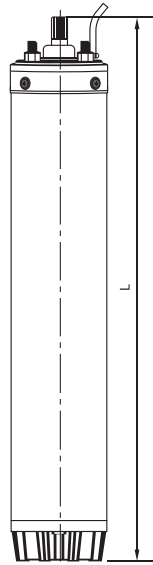
PERFORMANCE DATA 60Hz

Model	P ₂		Voltage (V)	Ph	n≈3450 1/min				
	kW	HP			I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
6SR-2.2	2.2	3	380-415V	3	5.0	0.80	74	524	34.1
6SR-3.0	3	4			6.0	0.80	75	554	36.6
6SR-4.0	4	5.5			8.0	0.80	75	584	39.2
6SR-5.5	5.5	7.5			11.0	0.80	76	614	42.6
6SR-7.5	7.5	10			15.0	0.81	76.5	654	47.0
6SR-9.2	9.2	12.5			18.5	0.81	77	704	52.7
6SR-11	11	15			21.5	0.82	78	754	58.3
6SR-13	13	17.5			25.5	0.82	78	804	63.9
6SR-15	15	20			29.0	0.83	79	854	69.5
6SR-18.5	18.5	25			35.5	0.83	79	934	80.9
6SR-22	22	30			42.0	0.83	80	1014	91.6
6SR-26	26	35			49.0	0.84	80	1094	102.3
6SR-30	30	40			57.0	0.84	81	1174	113.0

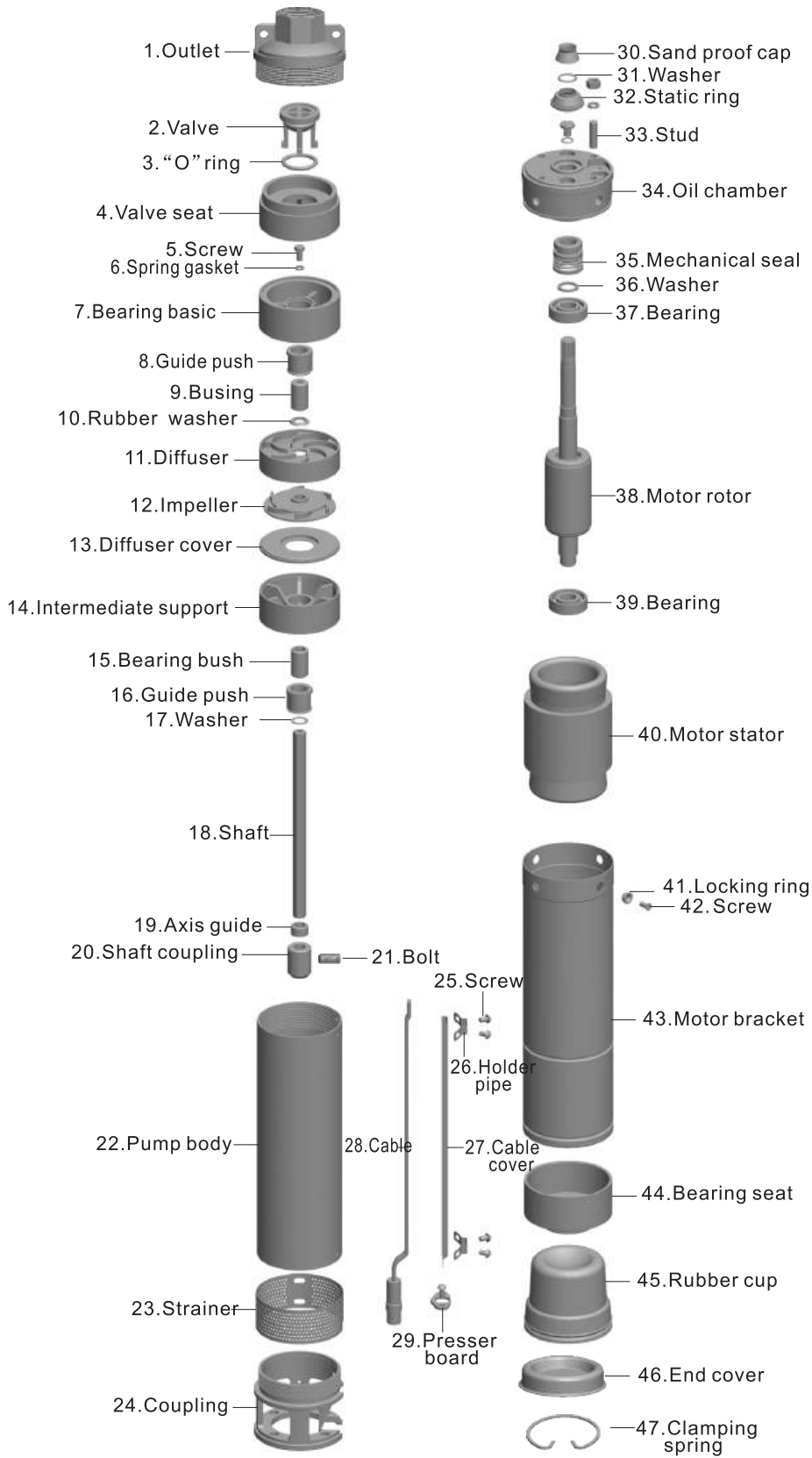


6 S R M-2.2

Rated power
Single phase
(three phase with no M marked)
Integrated motor
Oil-filled rewindable motor
Well Φ 6"



EXPLODE DRAWING



ACCESSORIES



3SD Outlet



3SD Coupling



3SD Oil chamber



4SD Outlet G1.25



4SD Outlet G1.5



4SD Outlet G2



4SD Coupling



4SD Oil chamber



4SD Outlet G1.5



4SKM Outlet G1



4SKM Coupling



4SKM Impeller



3SS Outlet G 1"



3SS Outlet G 1.25"



4SS Stainless Steel Outlet G 1.5"



4SD Cast iron 1.25"



3SS Stainless Suction support



4SS Stainless Steel Outlet G 2"



2QGS Outlet G 0.5"



3SD Cast iron 1"

ACCESSORIES



4SS Outlet G 1.5"



4SP Outlet



4QGS Outlet G 1"



3SD Oil chamber



4SS Stainless Suction support



4SP Stainless Suction Support



4SS Stainless Suction support



4SS Outlet G 1.5"



4SP2 Diffuser



4SP2 Impeller



Control box
(Single phase)



Control box
(Single phase)

