



ZHEJIANG HAPPY PUMP INDUSTRY CO.,LTD.



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Water Unlimited

Professional manufacturer of
water pumps



HAPPY

2026

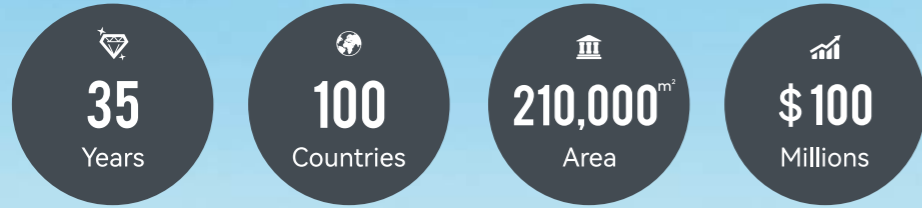
ZHEJIANG HAPPY PUMP
INDUSTRY CO.,LTD.



Products shall be subject to any changes
without additional notices.



Everybody is responsible for environmental protection,
sustainable development!



Company Profile

Zhejiang Happy Pump Industry Co., Ltd. (hereinafter referred to as the "Happy Pump" or "Company") was established in 1990 and is located in Daxi Town, Wenling City, Zhejiang Province, known as the "Hometown of Water Pumps" in China. The Company specializes in the production of medium-to high-end water pumps and motors, and, with its accumulated valuable experience and spirit of continuous innovation, has become a leader in the industry. **HAPPY**® pumps have gained wide recognition and praise from users in both domestic and international markets due to their excellent and reliable quality and innovative concepts.

The Company covers an area of 55,000 square meters, with a building area of 210,000 square meters, and employs over 800 people, including more than 200 personnel in new product research and development. The Company has formed a high-level talent team with a reasonable structure, strong innovation capabilities, and solid professional qualifications, providing strong human and intellectual support for the Company's sustainable development. The product range includes 11 major series, covering more than 500 specifications, such as vortex pumps, centrifugal pumps, jet pumps, garden pumps, submersible pumps, deep well pumps, swimming pool pumps, permanent magnet variable frequency constant-pressure pumps, standard pumps, intelligent pumps and more. Up to now, the Company's annual sales volume has reached 5 million water pumps, and the Company continues to grow at an annual rate exceeding 20%. Its products are exported to over 100 countries and regions.

Looking to the future, Happy Pump will continue to uphold the business philosophy of "high quality, high efficiency and high service", focus on survival through quality and development through diversity, and remain steadfast in following the path of innovation-driven, green & low-carbon and high-quality development. The Company aims to build an intelligent and green factory, deepen the collaborative innovation mechanism of industry, academia, research and application, expand applications in high-end markets, further strengthen investment in technological R&D, and enhance the level of industry chain coordination. Happy Pump is committed to becoming a world-class pump industry enterprise with global competitiveness.

Smart production

The company has introduced advanced production equipment, automatic assembly production lines and painting lines from Japan and Germany.

Creating the ultimate pump products is our pursuit and goal!

A balance is sought between performance and structure, with high-quality materials and exquisite craftsmanship.

Strive to bring high-quality and high-stability experience to every user.





Extreme & Classic

The Company has always regarded technological innovation as the core engine for its development. It has developed a digital factory management system and vigorously promoted the transformation and upgrading of intelligent manufacturing. The Company has introduced the automatic rotor processing production lines, automatic cleaning lines, automatic composite processing equipment, automatic motor production lines, coil vacuum impregnation equipment, automatic drying and assembly systems, and other internationally advanced production equipment. In addition, by integrating 3D design systems, CFD (Computational Fluid Dynamics), motor electromagnetic design, finite element analysis and auxiliary design software, the Company has significantly shortened the product development and production cycles. A modern comprehensive pump testing center has been established, covering an area of 2,000 square meters, with a total equipment value exceeding RMB 10 million. This center provides comprehensive technical support for over 20 testing items, including pump performance, component precision, materials, quality and safety regulations. The center is equipped with the large open-type water pump test bench, automatic closed-type water pump test bench (complying with the national Class II accuracy, capable of performance test, cavitation test and vibration measurements), motor performance test bench (testing the motor appearance, insulation performance, temperature rise, vibration, noise, etc.), fire resistance laboratory (equipped with leakage tracking, needle flame burning, horizontal and vertical burning, and glow wire burning testing machines), and IP waterproof testing laboratory, and other advanced equipment. In addition, the Company has introduced efficient ex-factory inspection and testing systems, including automatic water pump performance data collection system and the Japanese FUKEDA high-precision gas testing system. These systems provide strong assurance for the Company's commitment to "Happy products are guaranteed to be high-quality".



Water Unlimited



1990

The company was founded

In 1990, Wenling No. 3 Screw Pump Factory was established
In 1997, Taizhou Happy Pump Industry Co., Ltd. was established

2017

In 2017, it was changed to
Zhejiang Happy Pump Industry Co, Ltd.



Struggling with boats
and setting sail to create
bright future

Constantly pioneering and innovating
Become a leading enterprise in the field of civil
water pump segmentation



2004

In 2004, it participated in foreign exhibitions
for the first time
It marks the beginning of Happy pump
products to the world



2020

In 2020, we will begin to increase technological transformation,
purchase advanced automated production lines, and build digital workshops.



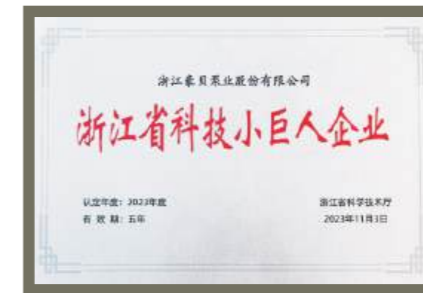
HONORARY QUALIFICATIONS



Advanced equipment, professional technology and strict management have created the high quality of "Happy" brand products.

It has successively won dozens of honors such as National High-tech Enterprise, National Specialized and New Little Giant Enterprise, Zhejiang Science and Technology Little Giant Enterprise, and Zhejiang Export Famous Brand.

"Happy" products are your reliable choice.





01 2SDM
03 2.5SDM
05 3SD
09 3.5SD



(220V/60Hz)

11 4SD



(220V/60Hz)

21 3SP



(220V/60Hz)

23 4SP



(220V/60Hz)

29 4SN2
31 4SN4
33 SCM



(220V/60Hz)

35 4QG SOLAR PUMP
37 3SP SOLAR PUMP
39 4SP SOLAR PUMP



SOLAR PUMP
DC24-72V

43 DSC SOLAR PUMP



Environmental Protection
And Energy Saving

45 DQB



AC Solar Peripheral Pump

47 DAC



Hybrid AC/DC
Solar Centrifugal Pump

49 DHFC



Hybrid AC/DC Solar
Swimming Pool Pump

51 DCPM



Voltage Brushless
Centrifugal Solar Pump

53 DJET



Brushless
Surface Solar Pump

55 6SR



(220V/60Hz)

57 6SP



(220V/60Hz)

61 3SD
62 4SD
64 5SR
65 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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz

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**

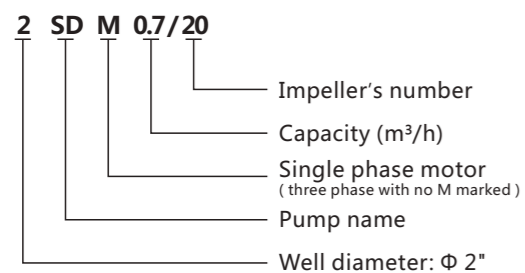
Options on request

- ※ 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"

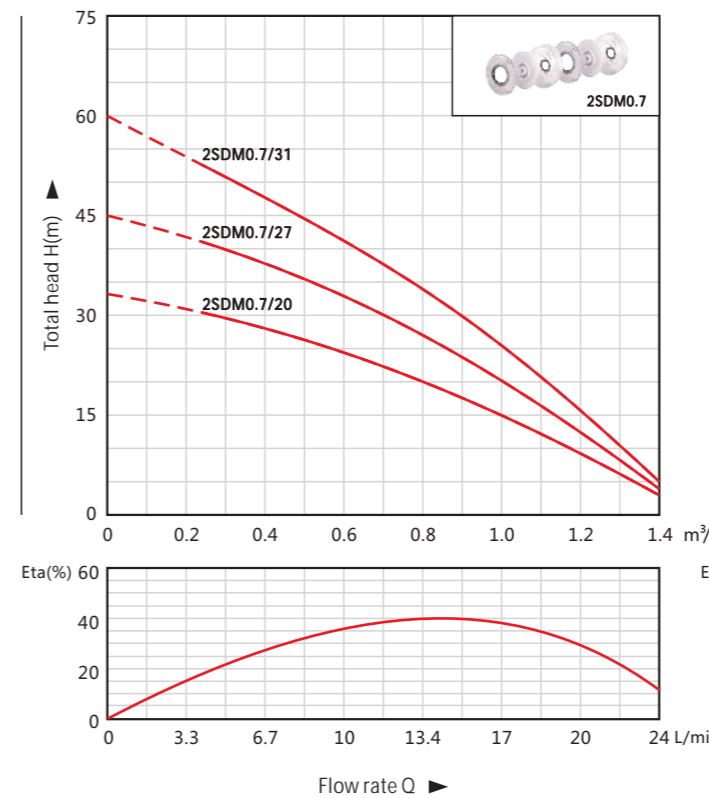
Components

- ※ **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 / 201 SS
- ※ **Bearing bush:** AISI304 SS / 201 SS
- ※ **Oil chamber:** Cast iron, Cast-Cu if request

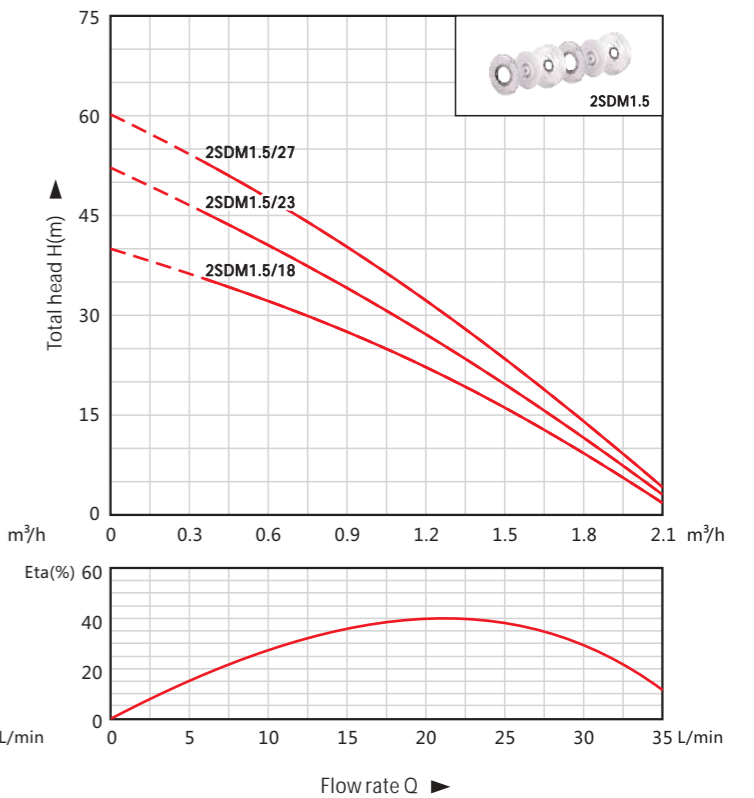
Material



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



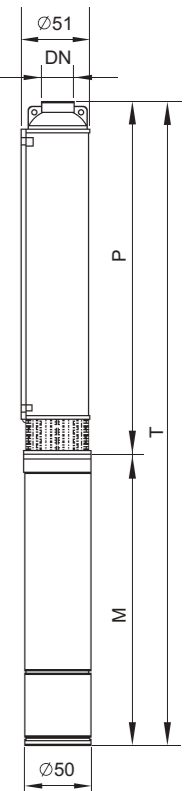
PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m ³ /h)	0	0.2	0.4	0.6	0.8	1.0	1.2	1.4
	kW	HP		Q(l/min)	0	3.3	6.7	10	13.4	17	20
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 (P ₂)		Q(m ³ /h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
	kW	HP		Q(l/min)	0	5	10	15	20	25	30
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 & WEIGHT

Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
2SDM0.7/20	1/2" 3/4"	650	530	1180	2.4	4.3	5.7
2SDM0.7/27	1/2" 3/4"	770	565	1335	3.2	4.7	6.5
2SDM0.7/31	1/2" 3/4"	850	615	1465	4.2	5.3	7
2SDM1.5/18	1/2" 3/4"	650	530	1180	2.4	4.3	6.3
2SDM1.5/23	1/2" 3/4"	770	565	1335	3.2	4.7	7.2
2SDM1.5/27	1/2" 3/4"	850	615	1465	4.2	5.3	8.5



2.5SDM

Application

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

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz

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**

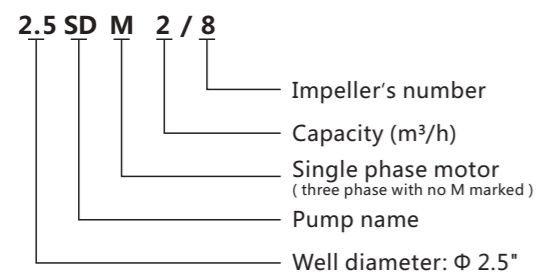
Options on request

- ※ 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"

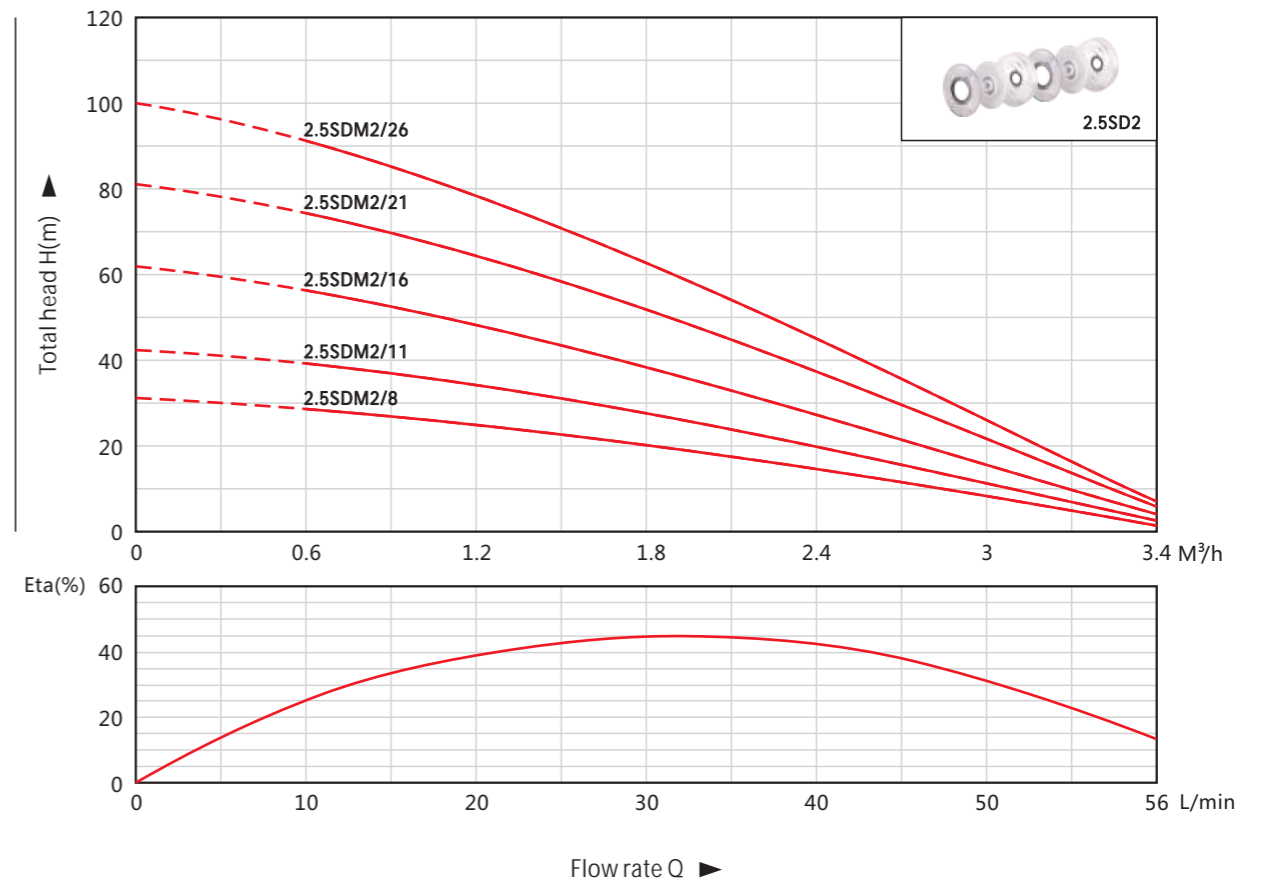
Components

- ※ **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 / 201 SS
- ※ **Bearing bush:** AISI304 SS / 201 SS
- ※ **Oil chamber:** Cast iron, Cast-Cu if request

Material



PERFORMANCE CHART AT N=3450RPM

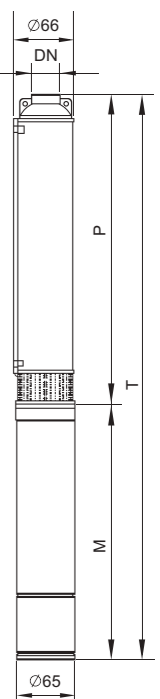


PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.4
	kW	HP		Q(l/min)	0	10	20	30	40	50
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 & WEIGHT

Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
2.5SDM2/8	1"	406	282	734	1.8	3.9	5.7
2.5SDM2/11	1"	486	412	846	2	4.2	6.2
2.5SDM2/16	1"	643	462	1045	2.6	4.8	7.4
2.5SDM2/21	1"	777	512	1219	3	5.7	8.7
2.5SDM2/26	1"	910	560	1420	3.5	6.6	10.1



3SD



Application

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

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz

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**

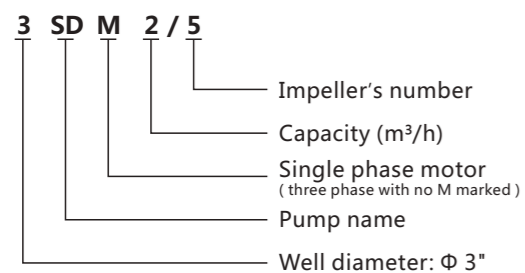
Options on request

- ※ 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

- ※ **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 / 201 SS
- ※ **Bearing bush:** AISI304 SS / 201 SS
- ※ **Oil chamber:** Cast iron, Cast-Cu if request

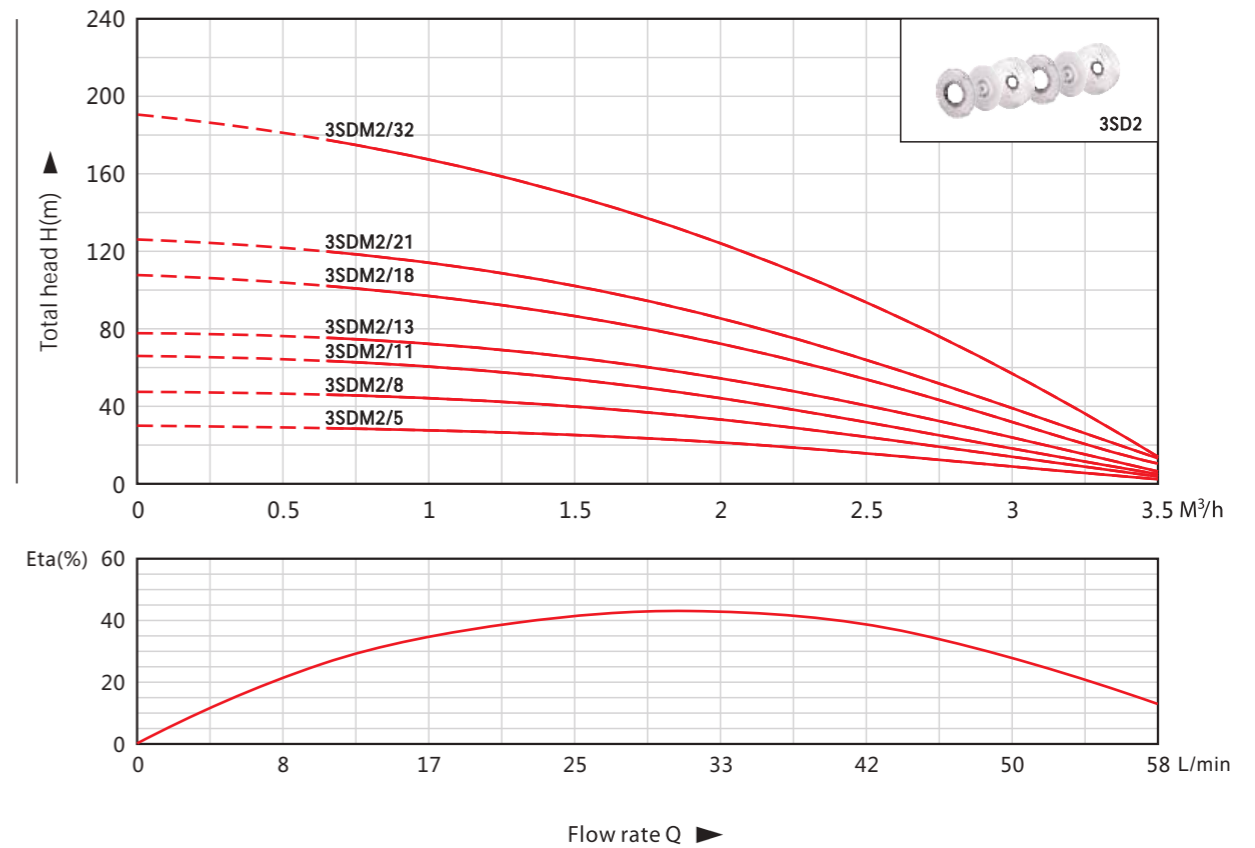
Material



3SDM2 3SDM3



PERFORMANCE CHART AT N=3450RPM

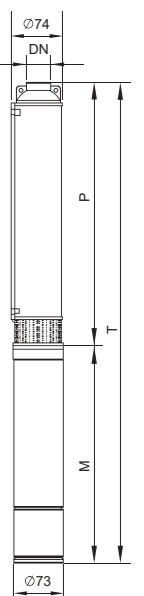


PERFORMANCE DATA 60Hz

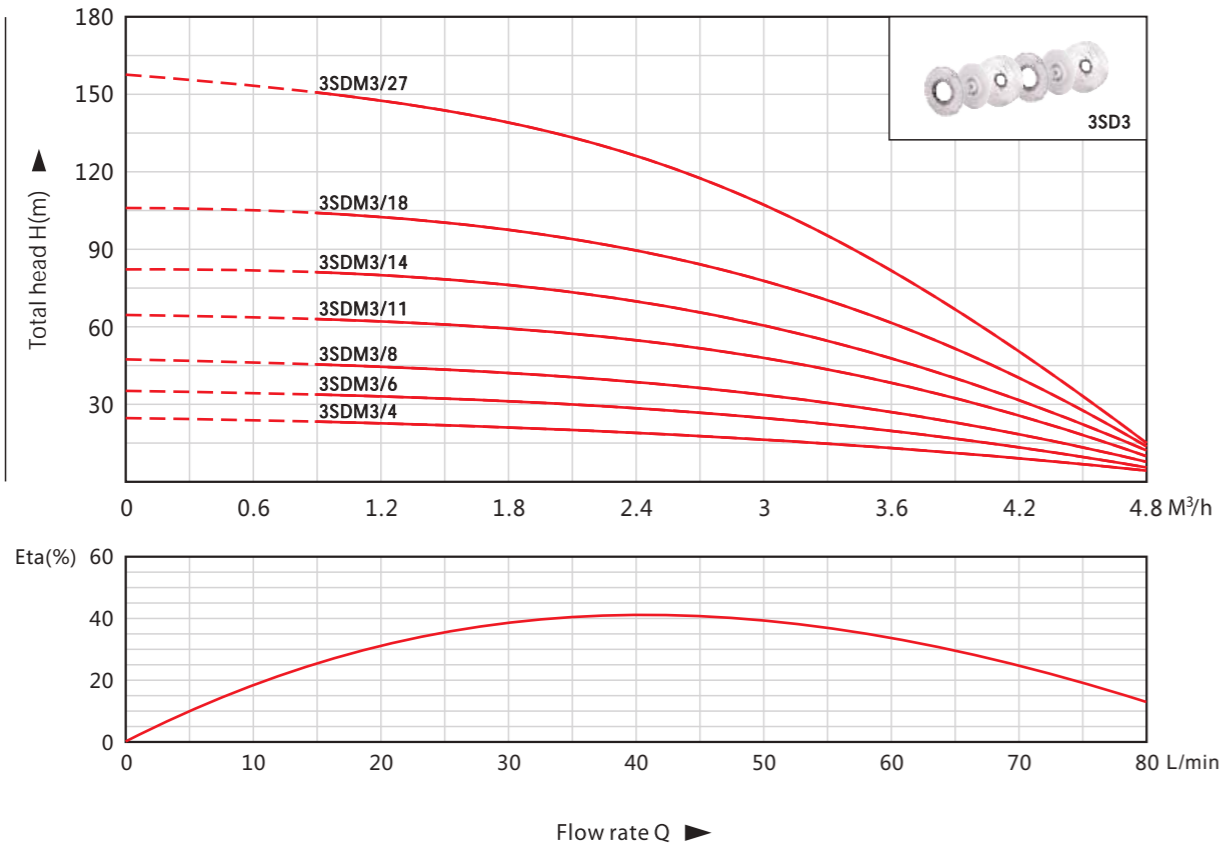
Model	Power (P ₂)		Q(m ³ /h)	0	0.5	1	1.5	2	2.5	3	3.5
	kW	HP		0	8	17	25	33	42	50	58
3SDM2/5	0.18	0.25	H(m)	30	29	28	25	22	15	8	2
3SDM2/8	0.25	0.33		48	47	45	41	35	24	13	3
3SDM2/11	0.37	0.5		66	64	61	56	46	33	17	4
3SDM2/13	0.55	0.75		78	75	72	66	54	39	20	6
3SDM2/18	0.75	1		108	104	99	91	74	54	27	12
3SDM2/21	1.1	1.5		126	121	115	106	86	63	31	14
3SDM2/32	1.5	2		190	182	173	160	130	95	46	16

DIMENSIONS & WEIGHT

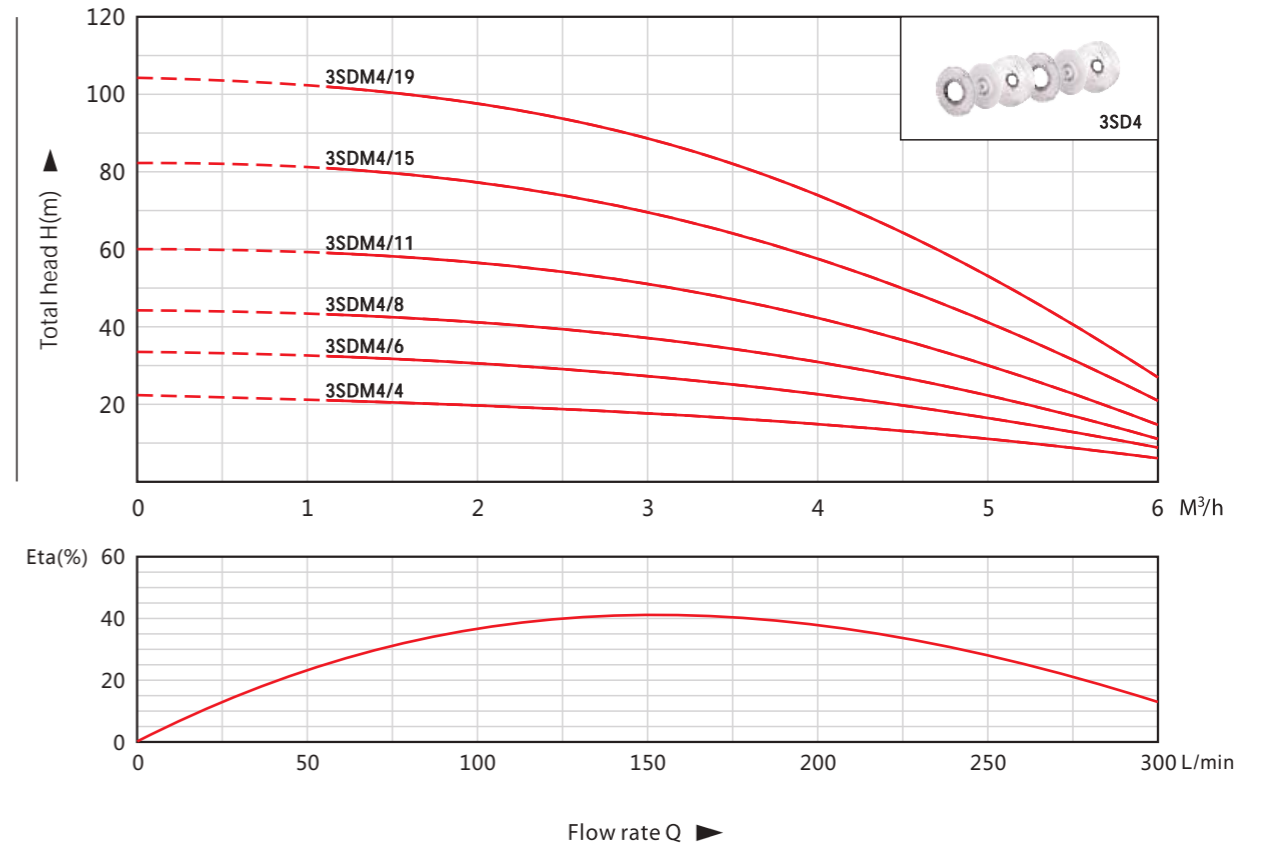
Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
3SDM2/5	1" 1/4"	319	377	646	1.8	4.3	6.1
3SDM2/8	1" 1/4"	386	392	728	2	4.9	6.9
3SDM2/11	1" 1/4"	454	432	836	2.4	5.4	7.8
3SDM2/13	1" 1/4"	480	432	862	2.6	5.9	8.5
3SDM2/18	1" 1/4"	646	452	1048	3.5	6.6	10.1
3SDM2/21	1" 1/4"	714	482	1146	4.1	7.1	11.2
3SDM2/32	1" 1/4"	963	607	1520	4.6	10.6	15.2



PERFORMANCE CHART AT N=3450RPM

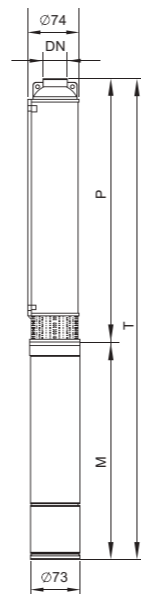


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m³/h)	Q(l/min)											
	kW	HP		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8			
Single-phase			H(m)	0	10	20	30	40	50	60	70	80			
3SDM3/4	0.18	0.25		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			
3SDM3/27	1.5	2		156	152	149	140	130	106	88	40	16			



DIMENSIONS & WEIGHT

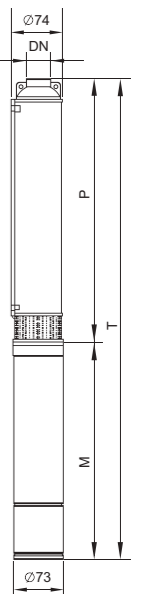
Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
Single-phase							
3SDM3/4	1" 1/4"	310	377	637	1.8	4.3	6.1
3SDM3/6	1" 1/4"	366	392	708	2.2	4.9	7.1
3SDM3/8	1" 1/4"	422	432	804	2.4	5.4	7.8
3SDM3/11	1" 1/4"	506	432	898	2.7	5.9	8.6
3SDM3/14	1" 1/4"	591	472	1013	3.1	6.6	9.7
3SDM3/18	1" 1/4"	704	557	1211	3.7	7.1	10.8
3SDM3/27	1" 1/4"	957	607	1514	4.5	10.6	15.1

PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m³/h)	Q(l/min)								
	kW	HP		0	1	2	3	4	5	6		
Single-phase			H(m)	0	50	100	150	200	250	300		
3SDM4/4	0.25	0.33		22	21	20	19	16	11	6		
3SDM4/6	0.37	0.5		33	32	31	28	23	17	9		
3SDM4/8	0.55	0.75		44	43	41	37	31	22	11		
3SDM4/11	0.75	1		60	59	57	51	43	30	15		
3SDM4/15	1.1	1.5		82	81	78	70	58	41	21		
3SDM4/19	1.5	2		104	102	98	89	74	52	27		

DIMENSIONS & WEIGHT

Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
Single-phase							
3SDM4/4	1" 1/4"	332	392	674	2.2	4.7	6.9
3SDM4/6	1" 1/4"	400	432	782	2.4	5.4	7.8
3SDM4/8	1" 1/4"	465	432	847	2.6	5.9	8.5
3SDM4/11	1" 1/4"	566	472	988	2.9	7.1	10
3SDM4/15	1" 1/4"	737	557	1244	3.3	9.7	13
3SDM4/19	1" 1/4"	871	607	1428	3.8	10.8	14.6



3.5SD

Application

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

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz

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**

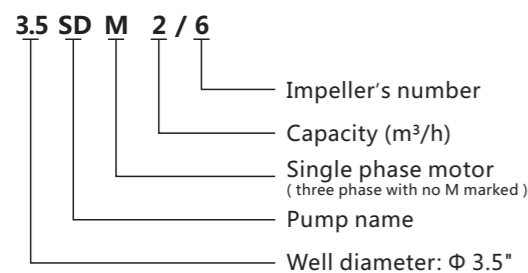
Options on request

- ※ 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

- ※ **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 / 201 SS
- ※ **Bearing bush:** AISI304 SS / 201 SS
- ※ **Oil chamber:** Cast iron, Cast-Cu if request

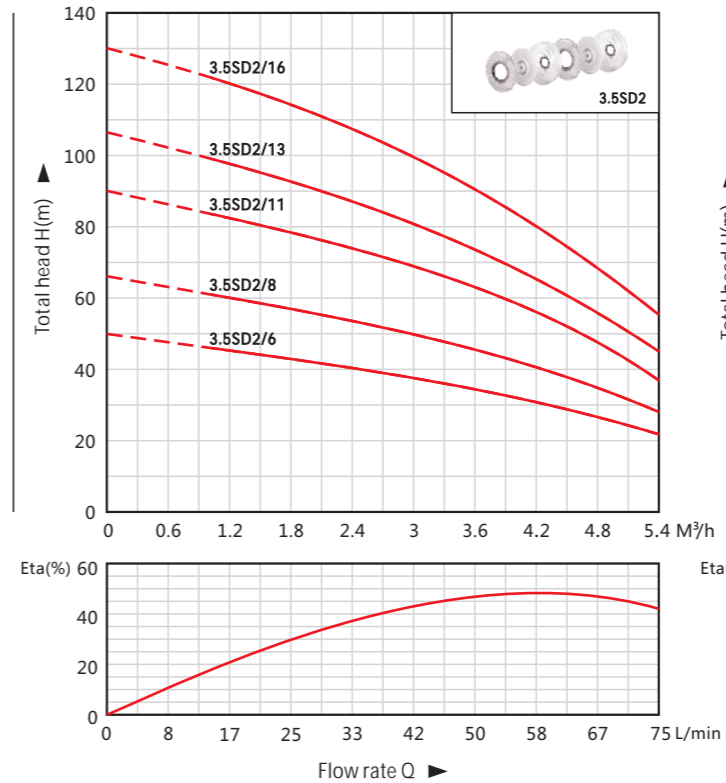
Material



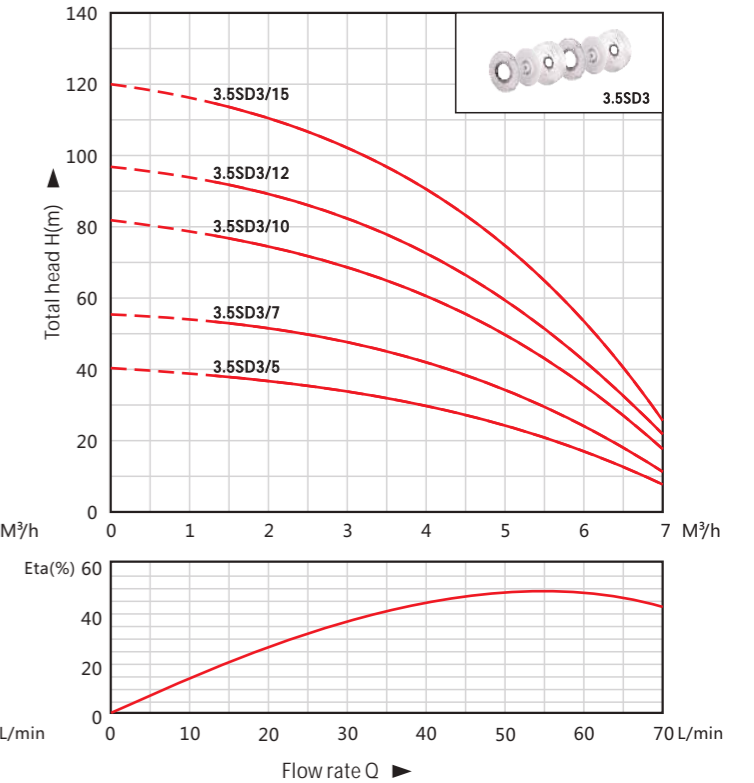
3.5SDM3



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



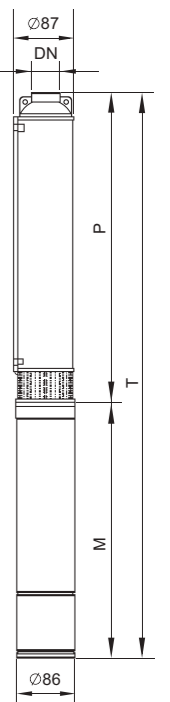
PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m ³ /h)											
	kW	HP	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4		
Single-phase			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 (P ₂)		Q(m ³ /h)								
	kW	HP	0	1	2	3	4	5	6	7	
Single-phase			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 & WEIGHT

Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz
- ※ Three-phase 220V-240V/60Hz , 380V-415V/60Hz

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**

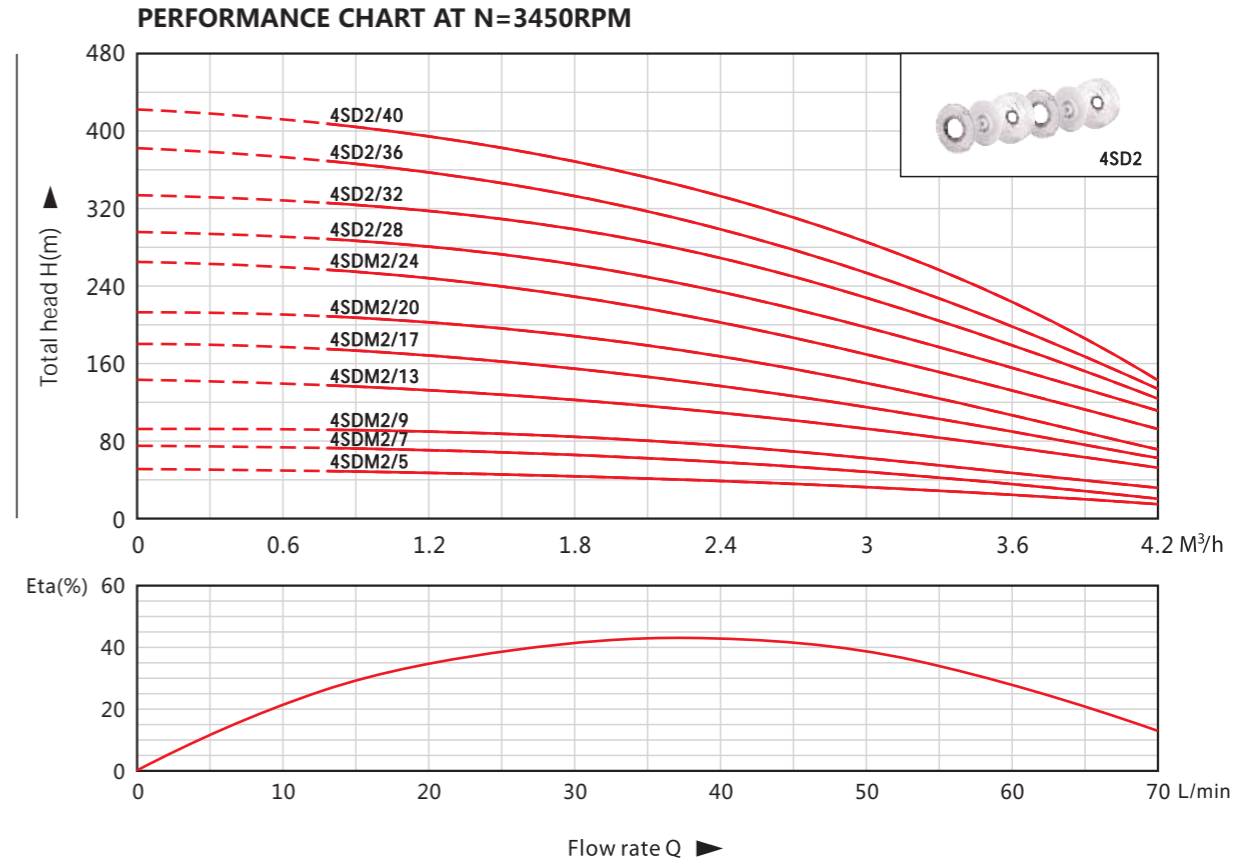
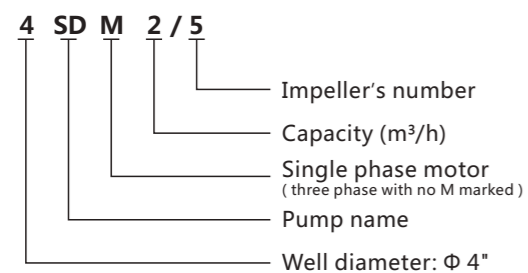
Options on request

- ※ 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

- ※ **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 / 201 SS
- ※ **Bearing bush:** AISI304 SS / 201 SS
- ※ **Oil chamber:** Cast iron, Cast-Cu if request

Material

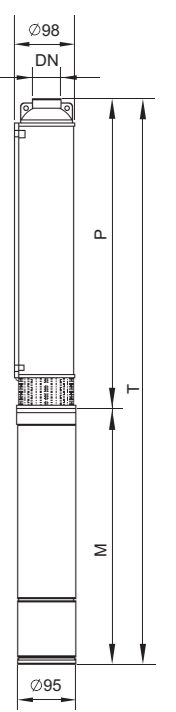


PERFORMANCE DATA 60Hz

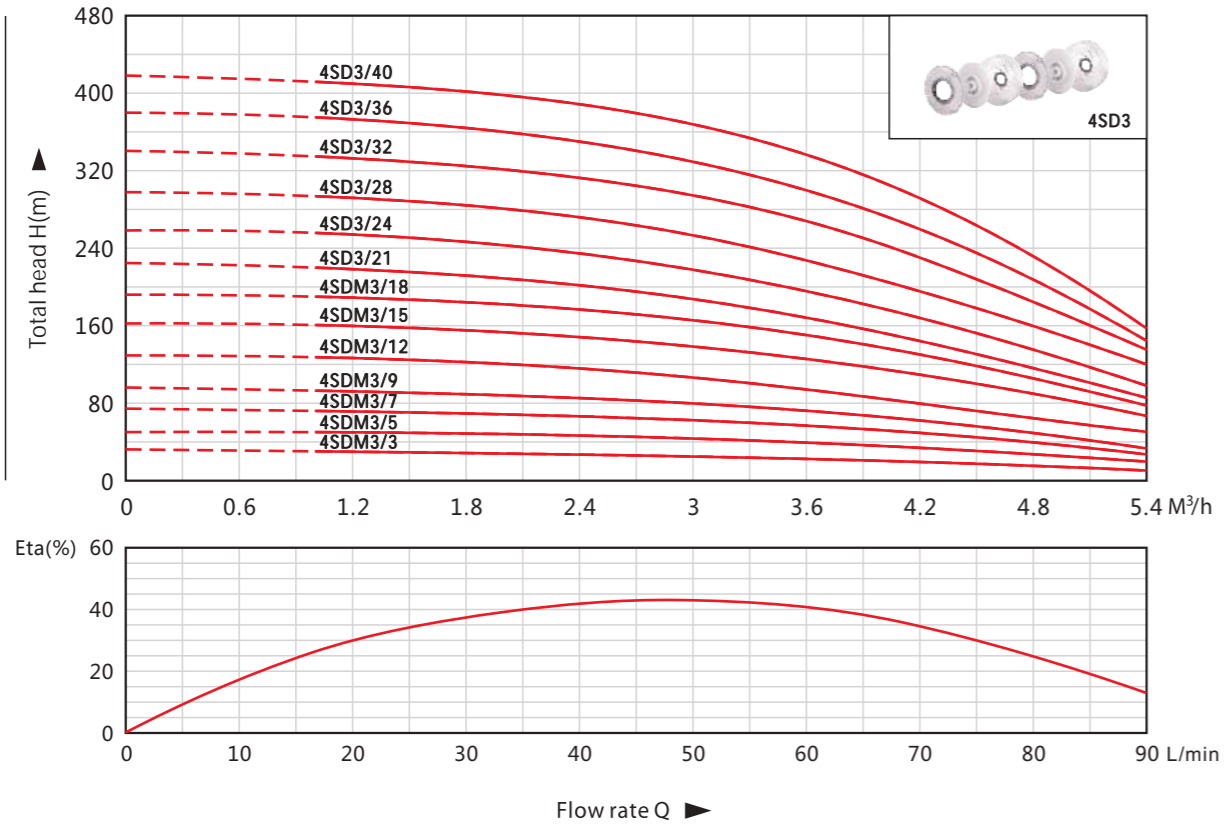
Model		Power (P ₂)		Q(m ³ /h)															
Single-phase	Three-phase	kW	HP	0	0.6	1.2	1.8	2.4	3	3.6	4.2	0	10	20	30	40	50	60	70
4SDM2/5		0.37	0.5									52	50	48	45	40	33	24	15
4SDM2/7		0.55	0.75									75	73	70	65	58	50	39	23
4SDM2/9	4SD2/9	0.75	1									94	92	89	82	77	62	47	31
4SDM2/13	4SD2/13	1.1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

DIMENSIONS & WEIGHT

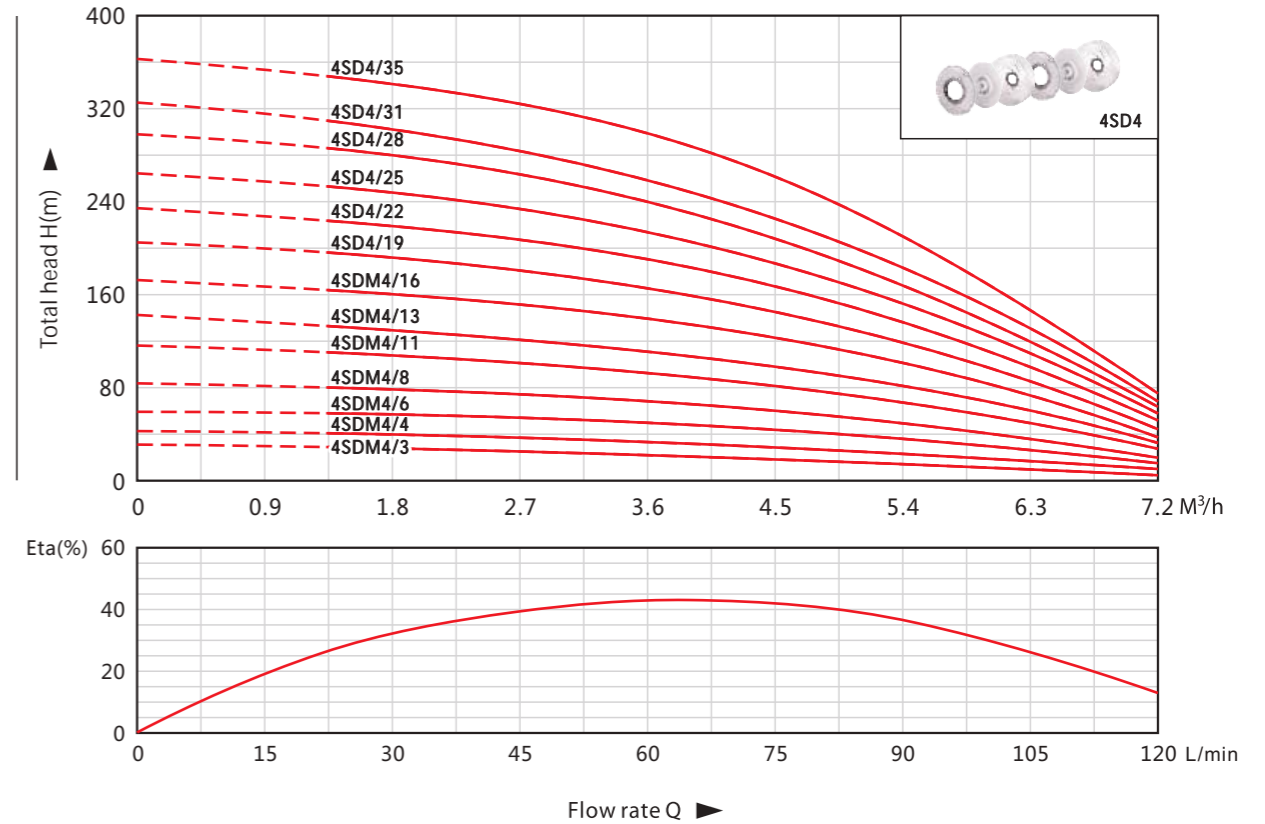
Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM2/5		1¼" ⅞"	339	363	652	2.6	7.2	9.8
4SDM2/7		1¼" ⅞"	392	378	720	3.0	8	11
4SDM2/9	4SD2/9	1¼" ⅞"	445	398	793	3.4	8.7	12.1
4SDM2/13	4SD2/13	1¼" ⅞"	550	438	938	4.3	10.8	15.1
4SDM2/17	4SD2/17	1¼" ⅞"	688	515	1153	5.0	13.8	18.8
4SDM2/20	4SD2/20	1¼" ⅞"	767	565	1282	5.7	16.6	22.3
4SDM2/24	4SD2/24	1¼" ⅞"	873	590	1413	6.4	17.4	23.8
	4SD2/28	1¼" ⅞"	979	605	1534	7.4	19.3	26.7
	4SD2/32	1¼" ⅞"	1117	605	1672	8.2	19.3	27.5
	4SD2/36	1¼" ⅞"	1223	723	1896	8.8	21.9	30.7
	4SD2/40	1¼" ⅞"	1360	723	2033	9.4	21.9	31.3



PERFORMANCE CHART AT N=3450RPM

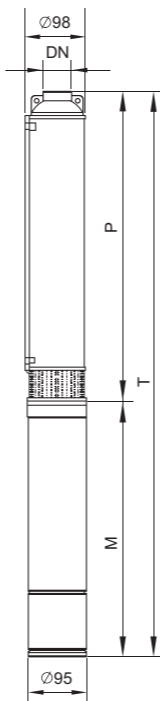


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																						
Single-phase	Three-phase	kW	HP	0	Q(l/min)	0	10	20	30	40	50	60	70	80	90	H(m)												
4SDM3/3		0.37	0.5			31	30	29	28	27	24	22	18	15	12													
4SDM3/5		0.55	0.75			52	51	50	49	46	44	39	33	27	19													
4SDM3/7	4SD3/7	0.75	1			75	73	72	70	67	62	55	46	37	28													
4SDM3/9	4SD3/9	1.1	1.5			95	94	93	90	86	81	72	62	48	33													
4SDM3/12	4SD3/12	1.5	2			127	126	125	121	116	107	96	82	67	50													
4SDM3/15	4SD3/15	2.2	3			162	161	159	156	148	138	125	107	87	67													
4SDM3/18	4SD3/18	2.2	3			194	193	191	186	177	165	149	128	105	81													
	4SD3/21	3	4			225	223	220	215	205	190	171	146	119	88													
	4SD3/24	3	4			257	255	252	246	235	217	196	167	136	101													
	4SD3/28	4	5.5			298	296	293	285	272	254	229	194	159	122													
	4SD3/32	4	5.5			340	339	335	326	311	290	262	221	182	140													
	4SD3/36	5.5	7.5			377	376	373	366	351	330	305	261	200	143													
	4SD3/40	5.5	7.5			419	417	414	406	390	367	338	289	222	159													

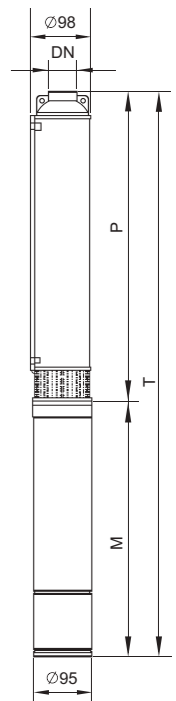


DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM3/3		1/4" N/2" /2"	285	363	598	2.2	7.2	9.4
4SDM3/5		1/4" N/2" /2"	338	378	666	2.7	8	10.7
4SDM3/7	4SD3/7	1/4" N/2" /2"	390	398	738	3.1	8.7	11.8
4SDM3/9	4SD3/9	1/4" N/2" /2"	442	438	830	3.5	10.8	14.3
4SDM3/12	4SD3/12	1/4" N/2" /2"	520	515	985	4.1	13.8	17.9
4SDM3/15	4SD3/15	1/4" N/2" /2"	630	565	1145	4.7	16.6	21.3
4SDM3/18	4SD3/18	1/4" N/2" /2"	709	590	1249	5.4	17.4	22.8
	4SD3/21	1/4" N/2" /2"	787	605	1342	6.2	19.3	25.5
	4SD3/24	1/4" N/2" /2"	866	605	1421	6.9	19.3	26.2
	4SD3/28	1/4" N/2" /2"	971	723	1644	7.7	21.9	29.6
	4SD3/32	1/4" N/2" /2"	1107	723	1780	8.7	21.9	30.6
	4SD3/36	1/4" N/2" /2"	1212	813	1975	9.7	25.6	35.3
	4SD3/40	1/4" N/2" /2"	1317	813	2080	10.7	25.6	36.3

PERFORMANCE DATA 60Hz

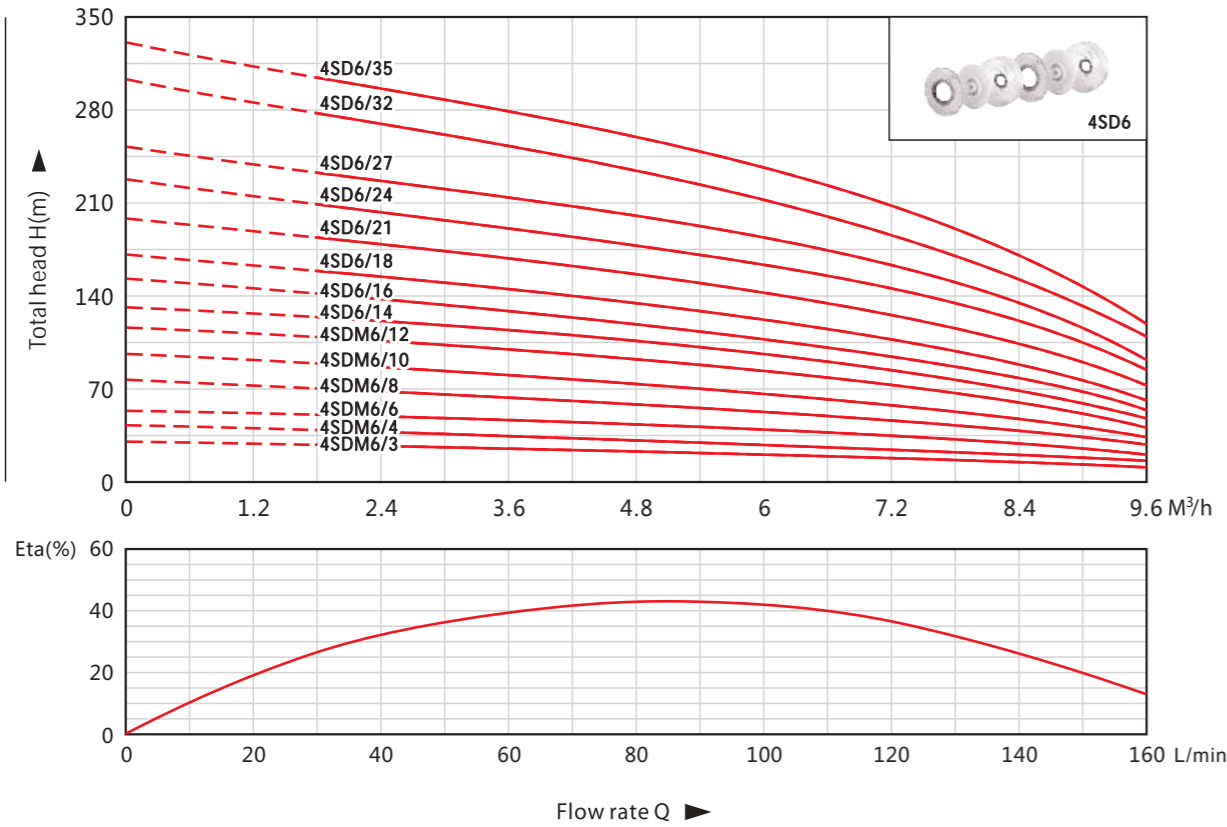
Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																				
Single-phase	Three-phase	kW	HP	0	Q(l/min)	0	15	30	45	60	75	90	105	120	H(m)											
4SDM4/3		0.37	0.5			30	28	27	26	23	20	16	10	3												
4SDM4/4		0.55	0.75			41	39	38	37	33	29	23	16	7												
4SDM4/6	4SD4/6	0.75	1			64	61	58	56	51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



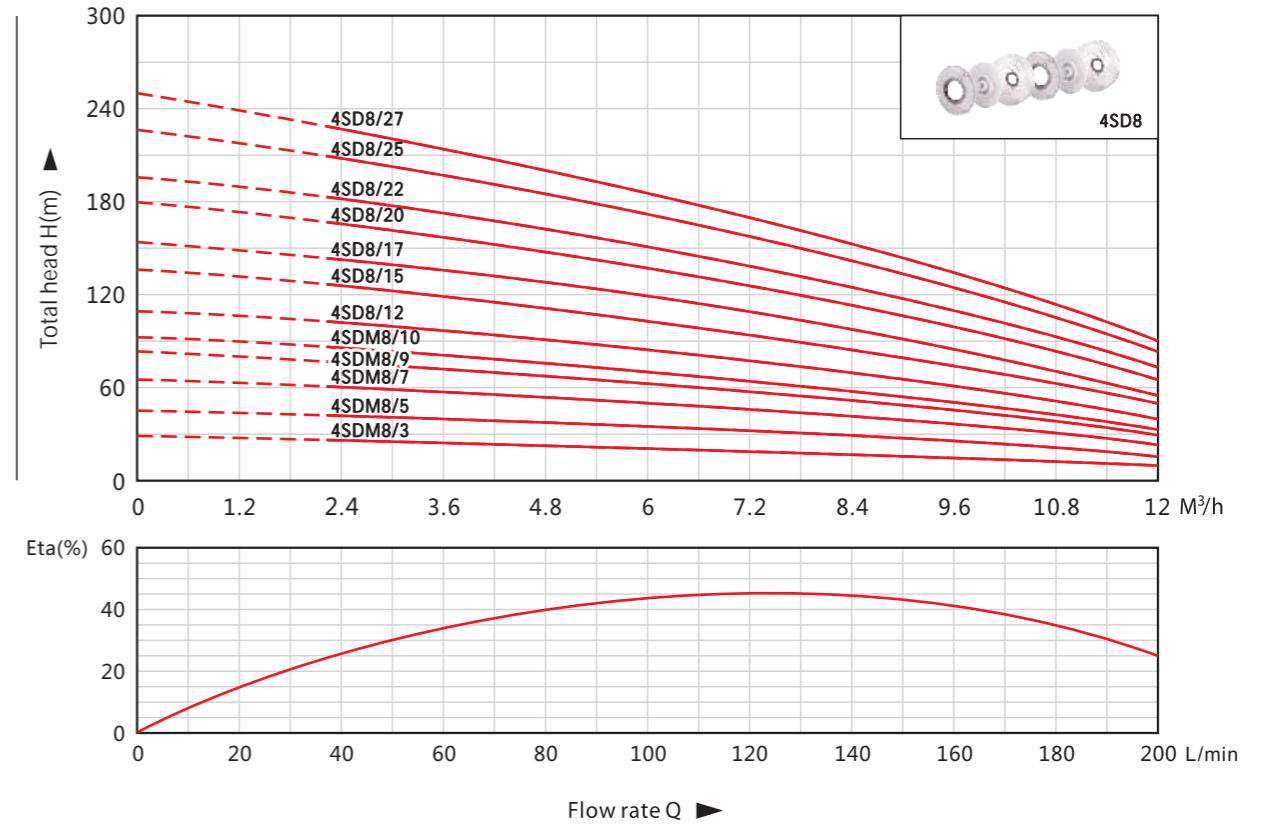
DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM4/3		1/4" N/2" /2"	295	363	608	2.4	7.2	9.6
4SDM4/4		1/4" N/2" /2"	324	378	652	2.7	8	10.7
4SDM4/6	4SD4/6	1/4" N/2" /2"	382	398	730	3.2	8.7	11.9
4SDM4/8	4SD4/8	1/4" N/2" /2"	440	438	828	3.6	10.8	14.4
4SDM4/11	4SD4/11	1/4" N/2" /2"	527	515	992	4.2	13.8	18
4SDM4/13	4SD4/13	1/4" N/2" /2"	585	565	1100	4.7	16.6	21.3
4SDM4/16	4SD4/16	1/4" N/2" /2"	704	590	1244	5.4	17.4	22.8
	4SD4/19	1/4" N/2" /2"	792	605	1347	6.1	19.3	25.4
	4SD4/22	1/4" N/2" /2"	880	605	1435	7.0	19.3	26.3
	4SD4/25	1/4" N/2" /2"	967	723	1640	7.8	21.9	29.7
	4SD4/28	1/4" N/2" /2"	1086	723	1759	8.6	21.9	30.5
	4SD4/31	1/4" N/2" /2"	1174	813	1937	9.3	25.6	34.9
	4SD4/35	1/4" N/2" /2"	1291	813	2054	10.2	25.6	35.8

PERFORMANCE CHART AT N=3450RPM

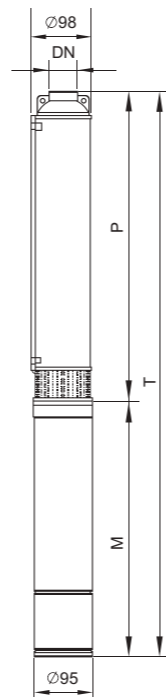


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

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

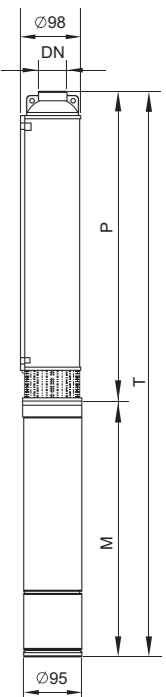


DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM6/3		1/4" / 1/2" / 1/2"	310	378	638	2.5	8	10.5
4SDM6/4	4SD6/4	1/4" / 1/2" / 1/2"	345	398	693	2.8	8.7	11.5
4SDM6/6	4SD6/6	1/4" / 1/2" / 1/2"	414	438	802	3.3	10.8	14.1
4SDM6/8	4SD6/8	1/4" / 1/2" / 1/2"	482	515	947	3.8	13.8	17.6
4SDM6/10	4SD6/10	1/4" / 1/2" / 1/2"	551	565	1066	4.3	16.6	20.9
4SDM6/12	4SD6/12	1/4" / 1/2" / 1/2"	652	590	1192	4.8	17.4	22.2
	4SD6/14	1/4" / 1/2" / 1/2"	720	605	1275	5.3	19.3	24.6
	4SD6/16	1/4" / 1/2" / 1/2"	789	605	1344	5.8	19.3	25.1
	4SD6/18	1/4" / 1/2" / 1/2"	858	723	1531	6.3	21.9	28.2
	4SD6/21	1/4" / 1/2" / 1/2"	962	723	1635	7.0	21.9	28.9
	4SD6/24	1/4" / 1/2" / 1/2"	1097	813	1860	7.7	25.6	33.3
	4SD6/27	1/4" / 1/2" / 1/2"	1200	813	1963	8.4	25.6	34
	4SD6/32	1/4" / 1/2" / 1/2"	1373	903	2226	9.8	28.3	38.1
	4SD6/35	1/4" / 1/2" / 1/2"	1476	903	2329	10.6	28.3	38.9

PERFORMANCE DATA 60Hz

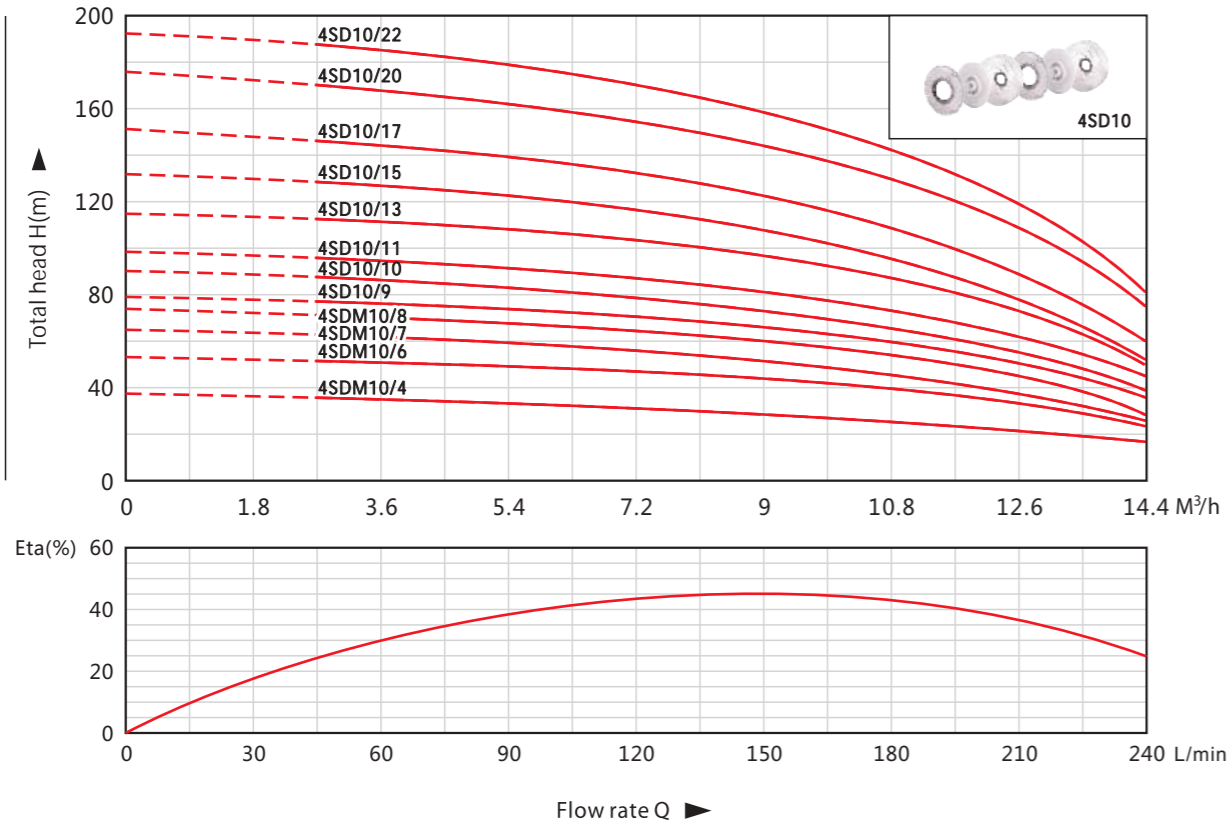
Model		Power (P ₂)		Q(m ³ /h)																						
Single-phase	Three-phase	kW	HP	Q(l/min)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	0	20	40	60	80	100	120	140	160	180	200
4SDM8/3	4SD8/3	0.75	1		28	26	25	24	23	21	20	18	15	13	10											
4SDM8/5	4SD8/5	1.1	1.5		46	44	42	40	38	35	33	30	25	21	16											
4SDM8/7	4SD8/7	1.5	2		64	61	58	56	53	49	46	42	35	30	23											
4SDM8/9	4SD8/9	2.2	3		83	78	75	72	69	63	60	54	45	39	30											
4SDM8/10	4SD8/10	2.2	3		93	87	83	80	77	70	66	60	50	43	33											
	4SD8/12	3	4		110	104	100	96	92	84	80	72	60	52	40											
	4SD8/15	4	5.5		137	130	125	120	115	105	100	90	75	65	50											
	4SD8/17	4	5.5		155	148	142	136	130	119	113	102	85	73	56											
	4SD8/20	5.5	7.5		180	174	167	160	153	140	133	120	100	87	66											
	4SD8/22	5.5	7.5		198	191	183	176	169	154	146	132	110	95	73											
	4SD8/25	7.5	10		225	217	209	200	192	175	166	150	125	108	83											
	4SD8/27	7.5	10		250	234	225	216	207	189	179	162	135	117	90											



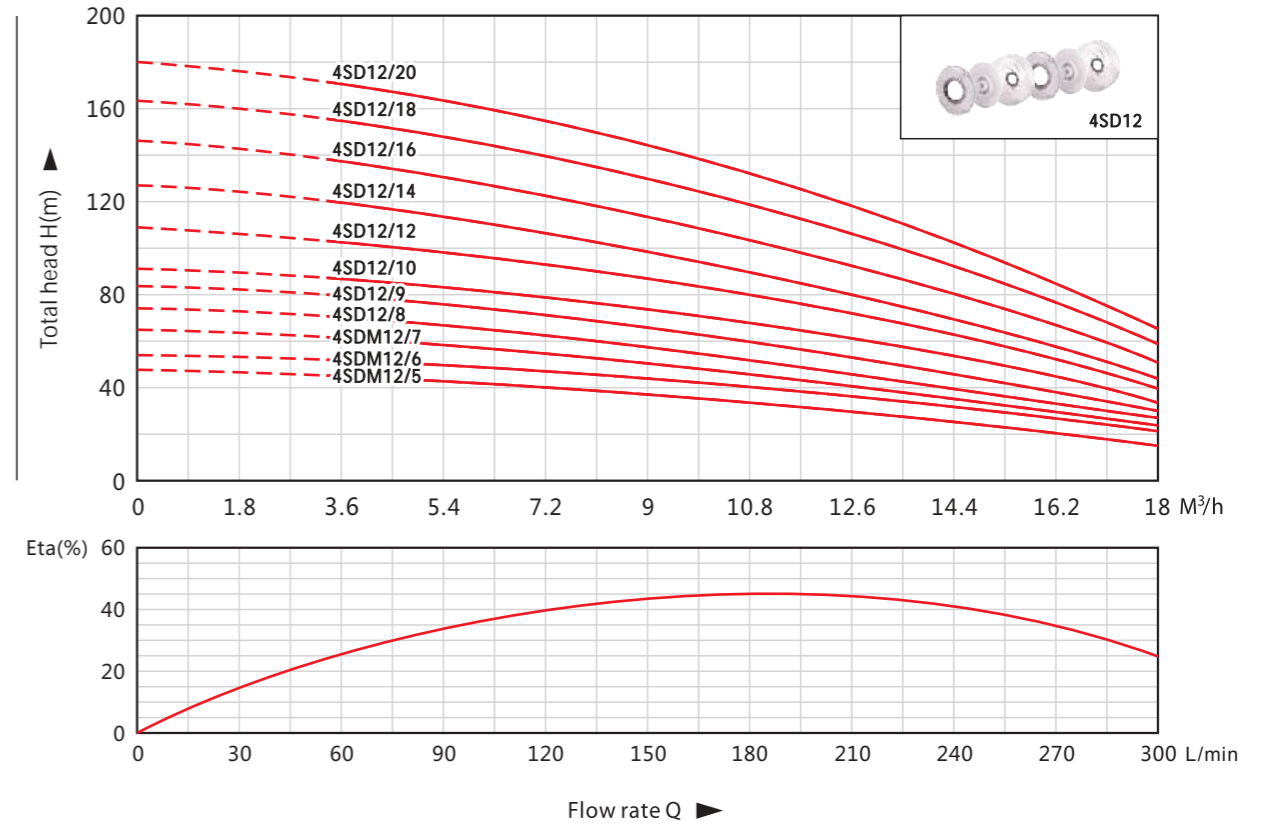
DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM8/3	4SD8/3	1/2" / 1/2"	323	398	671	3	8.7	11.7
4SDM8/5	4SD8/5	1/2" / 1/2"	400	438	788	3.3	10.8	14.1
4SDM8/7	4SD8/7	1/2" / 1/2"	476	515	941	3.8	13.8	17.6
4SDM8/9	4SD8/9	1/2" / 1/2"	552	590	1092	4.3	16.6	20.9
4SDM8/10	4SD8/10	1/2" / 1/2"	592	590	1132	4.5	17.4	21.9
	4SD8/12	1/2" / 1/2"	700	605	1255	5.2	19.3	24.5
	4SD8/15	1/2" / 1/2"	815	723	1488	6.1	21.9	28
	4SD8/17	1/2" / 1/2"	892	723	1565	6.7	21.9	28.6
	4SD8/20	1/2" / 1/2"	1007	813	1770	7.6	25.6	33.2
	4SD8/22	1/2" / 1/2"	1116	813	1879	8.1	25.6	33.7
	4SD8/25	1/2" / 1/2"	1231	903	2084	9.1	28.3	37.4
	4SD8/27	1/2" / 1/2"	1308	903	2161	9.7	28.3	38

PERFORMANCE CHART AT N=3450RPM

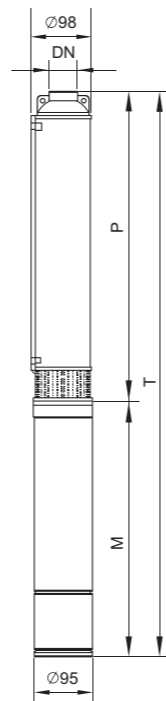


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

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

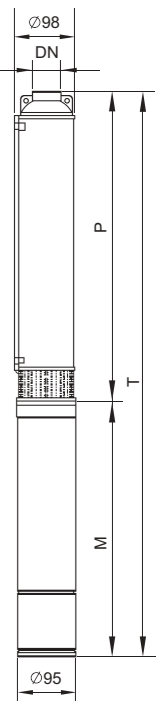


DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM10/4	4SD10/4	1¼" N½" /2"	361	438	749	3	10.8	13.8
4SDM10/6	4SD10/6	1¼" N½" /2"	438	515	903	3.5	13.8	17.3
4SDM10/7	4SD10/7	1¼" N½" /2"	476	565	991	3.8	16.6	20.4
4SDM10/8	4SD10/8	1¼" N½" /2"	514	590	1054	4.0	17.4	21.4
	4SD10/9	1¼" N½" /2"	553	605	1108	4.3	19.3	23.6
	4SD10/10	1¼" N½" /2"	591	605	1146	4.6	19.3	23.9
	4SD10/11	1¼" N½" /2"	661	723	1334	5.1	21.9	27
	4SD10/13	1¼" N½" /2"	738	723	1411	5.6	21.9	27.5
	4SD10/15	1¼" N½" /2"	815	813	1578	6.2	25.6	31.8
	4SD10/17	1¼" N½" /2"	892	813	1655	6.8	25.6	32.4
	4SD10/20	1¼" N½" /2"	1007	903	1860	7.6	28.3	35.9
	4SD10/22	1¼" N½" /2"	1116	903	1969	8.4	28.3	36.7

PERFORMANCE DATA 60Hz

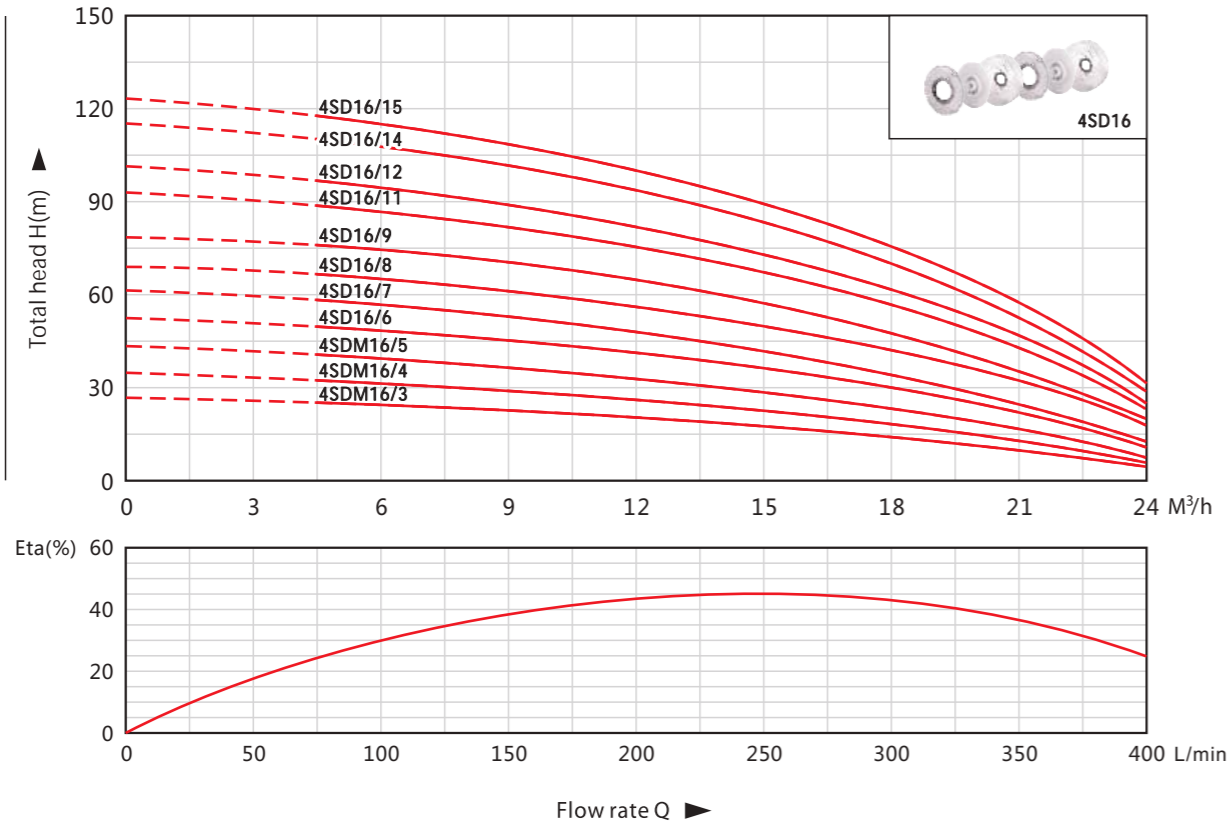
Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																			
Single-phase	Three-phase	kW	HP	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	0	30	60	90	120	150	180	210	240	270	300
4SDM12/5	4SD12/5	1.5	2	H(m)	47	46	44	42	39	36	33	30	25	21	15										
4SDM12/6	4SD12/6	2.2	3		56	55	53	50	47	44	41	36	32	27	21										
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										



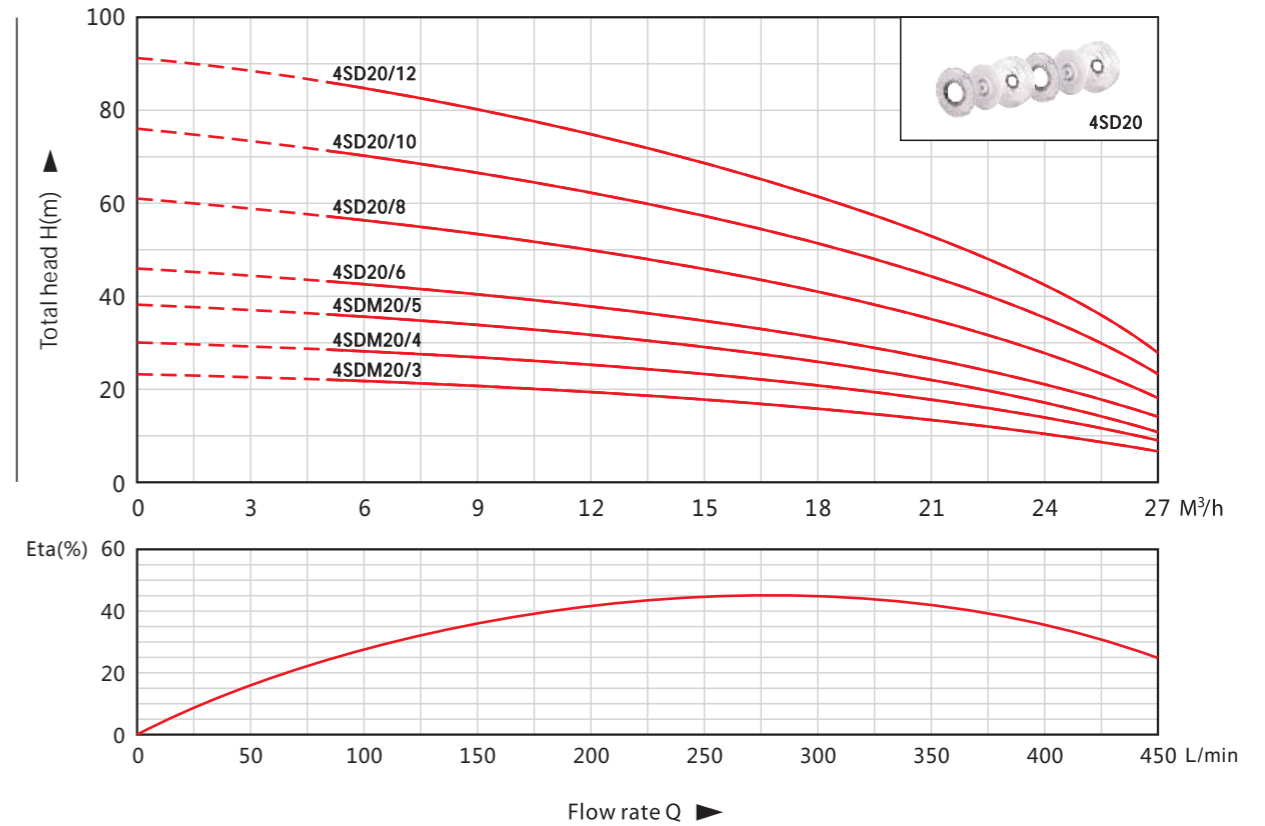
DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM12/5	4SD12/5	1¼" N½" /2"	614	565	1129	3.7	16.6	20.3
4SDM12/6	4SD12/6	1¼" N½" /2"	682	590	1222	4.1	17.4	21.5
4SDM12/7	4SD12/7	1¼" N½" /2"	750	590	1290	4.4	17.4	21.8
	4SD12/8	1¼" N½" /2"	818	605	1373	4.8	19.3	24.1
	4SD12/9	1¼" N½" /2"	887	605	1442	5.2	19.3	24.5
	4SD12/10	1¼" N½" /2"	955	723	1628	5.6	21.9	27.5
	4SD12/12	1¼" N½" /2"	1092	723	1765	6.4	21.9	28.3
	4SD12/14	1¼" N½" /2"	1228	813	1991	7.2	25.6	32.8
	4SD12/16	1¼" N½" /2"	1365	813	2128	8	25.6	33.6
	4SD12/18	1¼" N½" /2"	1570	903	2423	8.8	28.3	37.1
	4SD12/20	1¼" N½" /2"	1706	903	2559	9.6	28.3	37.9

PERFORMANCE CHART AT N=3450RPM

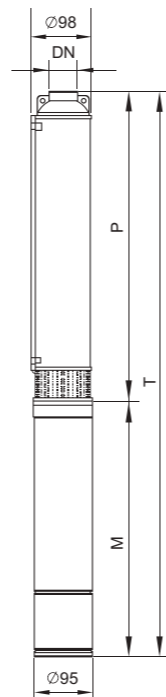


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)															
Single-phase	Three-phase	kW	HP	0	3	6	9	12	15	18	21	24	0	50	100	150	200	250	300	350	400
4SDM16/3	4SD16/3	1.5	2										27	25	24	22	20	18	15	11	5
4SDM16/4	4SD16/4	2.2	3										34	33	31	29	25	22	19	14	6
4SDM16/5	4SD16/5	2.2	3										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

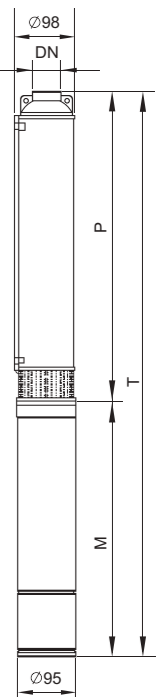


DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM16/3	4SD16/3	1¼" / 1½" / 1½"	441	565	956	3.3	16.6	19.9
4SDM16/4	4SD16/4	1¼" / 1½" / 1½"	509	590	1049	3.8	17.4	21.2
4SDM16/5	4SD16/5	1¼" / 1½" / 1½"	578	590	1118	4.3	17.4	21.7
	4SD16/6	1¼" / 1½" / 1½"	646	605	1201	4.8	19.3	24.1
	4SD16/7	1¼" / 1½" / 1½"	714	605	1269	5.3	19.3	24.6
	4SD16/8	1¼" / 1½" / 1½"	782	723	1455	5.8	21.9	27.7
	4SD16/9	1¼" / 1½" / 1½"	850	723	1523	6.3	21.9	28.2
	4SD16/11	1¼" / 1½" / 1½"	987	813	1750	6.8	25.6	32.4
	4SD16/12	1¼" / 1½" / 1½"	1055	813	1818	8.3	25.6	33.9
	4SD16/14	1¼" / 1½" / 1½"	1192	903	2045	8.8	28.3	37.1
	4SD16/15	1¼" / 1½" / 1½"	1260	903	2113	9.3	28.3	37.6

PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																	
Single-phase	Three-phase	kW	HP	0	3	6	9	12	15	18	21	24	27	0	50	100	150	200	250	300	350	400	450
4SDM20/3	4SD20/3	1.5	2											23	22	21	20	19	17	15	13	11	7
4SDM20/4	4SD20/4	2.2	3											30	29	28	27	25	23	20	17	14	9
4SDM20/5	4SD20/5	2.2	3											38	37	35	33	31	28	25	21	18	11
	4SD20/6	3	4											46	44	42	40	38	34	30	26	22	14
	4SD20/8	4	5.5											61	58	56	53	50	45	40	34	29	18
	4SD20/10	5.5	7.5											76	73	70	66	63	56	50	43	36	23
	4SD20/12	7.5	10											91	88	84	80	76	68	60	52	44	28



DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SDM20/3	4SD20/3	1½" / 1½"	363	565	878	3.5	16.6	20.1
4SDM20/4	4SD20/4	1½" / 1½"	438	590	978	4.1	17.4	21.5
4SDM20/5	4SD20/5	1½" / 1½"	512	590	1052	4.7	17.4	22.1
	4SD20/6	1½" / 1½"	587	605	1142	5.3	19.3	24.6
	4SD20/8	1½" / 1½"	737	723	1410	6.5	21.9	28.4
	4SD20/10	1½" / 1½"	998	813	1761	7.7	25.6	33.3
	4SD20/12	1½" / 1½"	1223	903	2076	8.9	28.3	37.2

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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz

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**

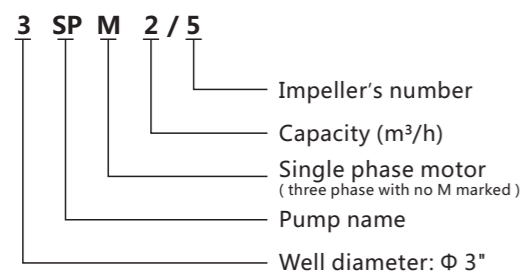
Options on request

- ※ 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 1/4"

Components

- ※ **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

Material

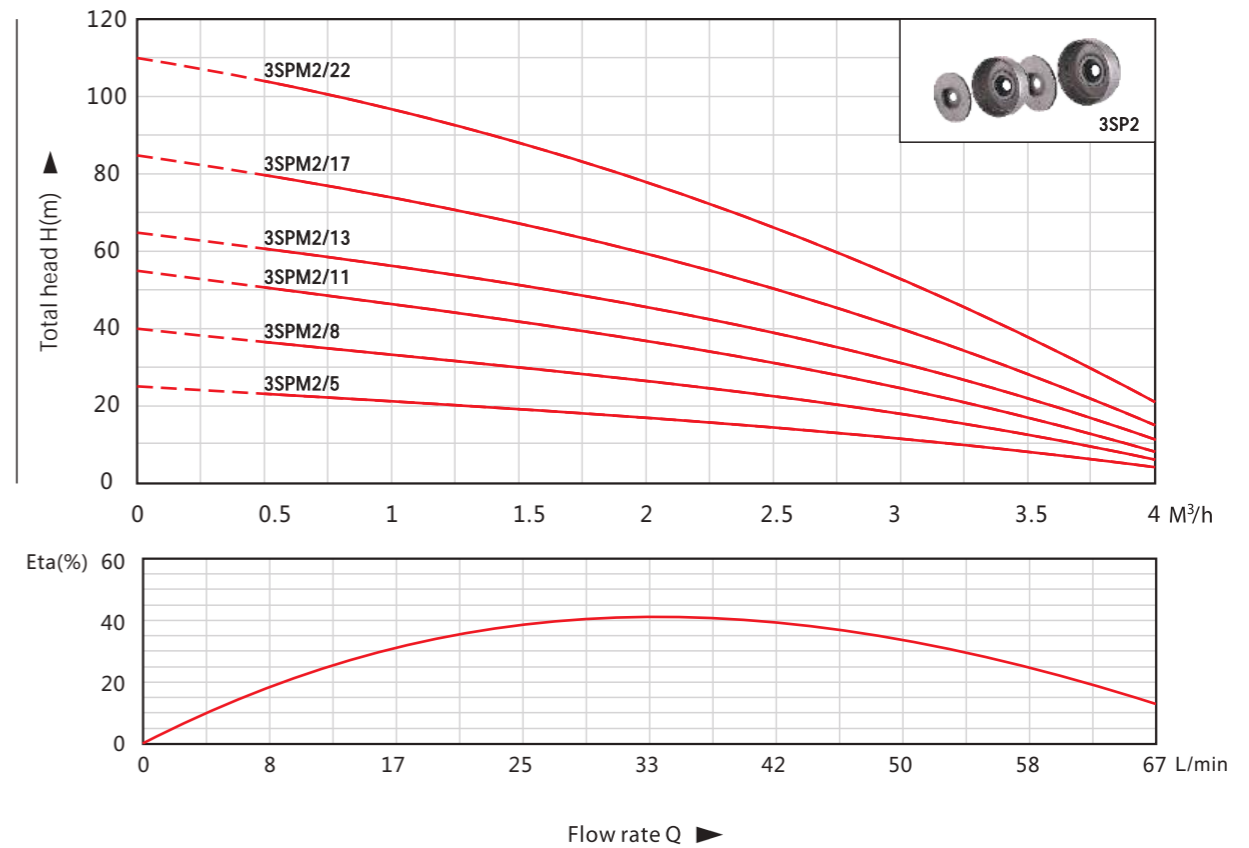


3SP

3SP



PERFORMANCE CHART AT N=3450RPM

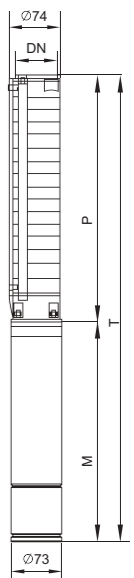


PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q (m ³ /h)											
	kw	HP	0	0.5	1	1.5	2	2.5	3	3.5	4			
Single-phase			0	8	17	25	33	42	50	58	67			
3SPM2/5	0.25	0.33	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			
3SPM2/22	1.5	2	110	102	95	86	78	66	53	36	21			

DIMENSIONS & WEIGHT

Model	DN	DIMENSIONS (mm)			WEIGHT (kg)		
		P	M	T	P	M	T
3SPM2/5	1 1/4"	290	390	630	1.2	4.7	5.9
3SPM2/8	1 1/4"	390	430	770	1.6	5.5	7.1
3SPM2/11	1 1/4"	350	430	730	2	6.5	8.5
3SPM2/13	1 1/4"	390	470	810	2.4	7.5	9.9
3SPM2/17	1 1/4"	470	555	975	2.8	9.7	12.5
3SPM2/22	1 1/4"	570	605	1125	3.5	10.8	14.3



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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Single-phase 110V-127V/60Hz , 220V-240V/60Hz
- ※ Three-phase 220V-240V/60Hz , 380V-415V/60Hz

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**

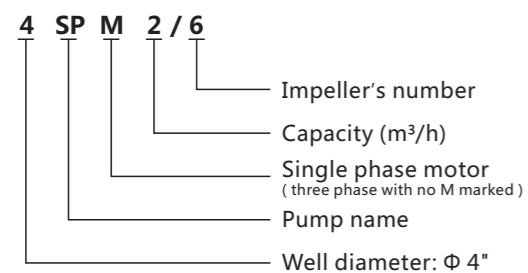
Options on request

- ※ 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

- ※ **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

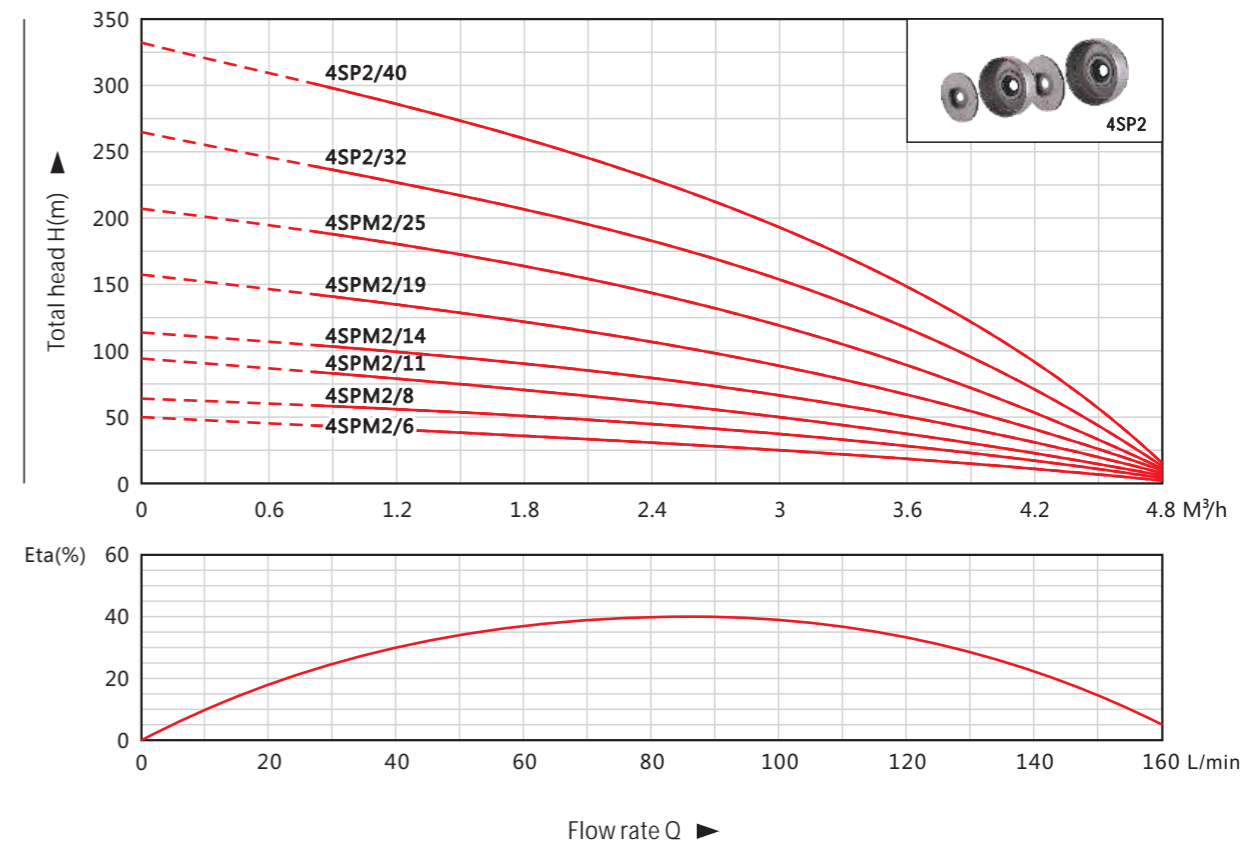
Material



4SP 4SP



PERFORMANCE CHART AT N=3450RPM

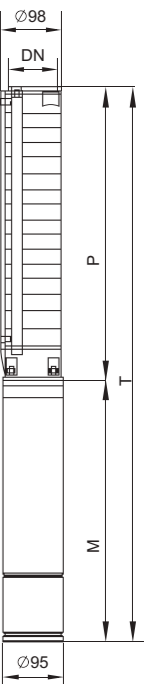


PERFORMANCE DATA 60Hz

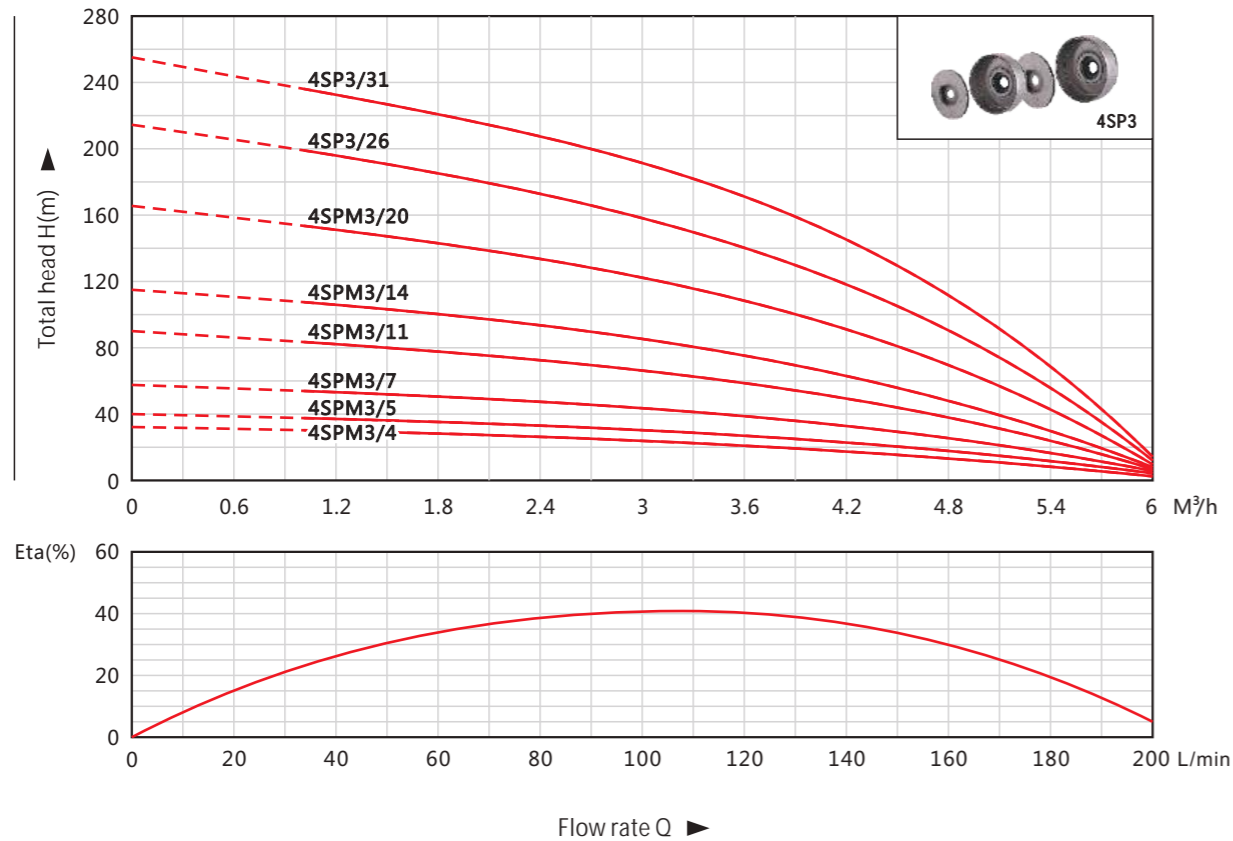
Model		Power (P ₂)		Q(m ³ /h)																	
Single-phase	Three-phase	kW	HP	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	H(m)								
				0	20	40	60	80	100	120	140	160									
4SPM2/6		0.37	0.5	50	47	41	37	33	29	23	16	2									
4SPM2/8		0.55	0.75	66	63	55	50	45	39	30	21	3									
4SPM2/11	4SP2/11	0.75	1	91	86	76	69	62	53	42	29	4									
4SPM2/14	4SP2/14	1.1	1.5	116	110	96	87	78	68	53	37	6									
4SPM2/19	4SP2/19	1.5	2	157	149	131	119	107	93	73	51	8									
4SPM2/25	4SP2/25	2.2	3	206	197	173	157	141	122	96	67	10									
	4SP2/32	3	4	265	252	221	200	180	156	123	86	12									
	4SP2/40	4	5.5	332	315	276	251	225	196	154	108	14									

DIMENSIONS & WEIGHT

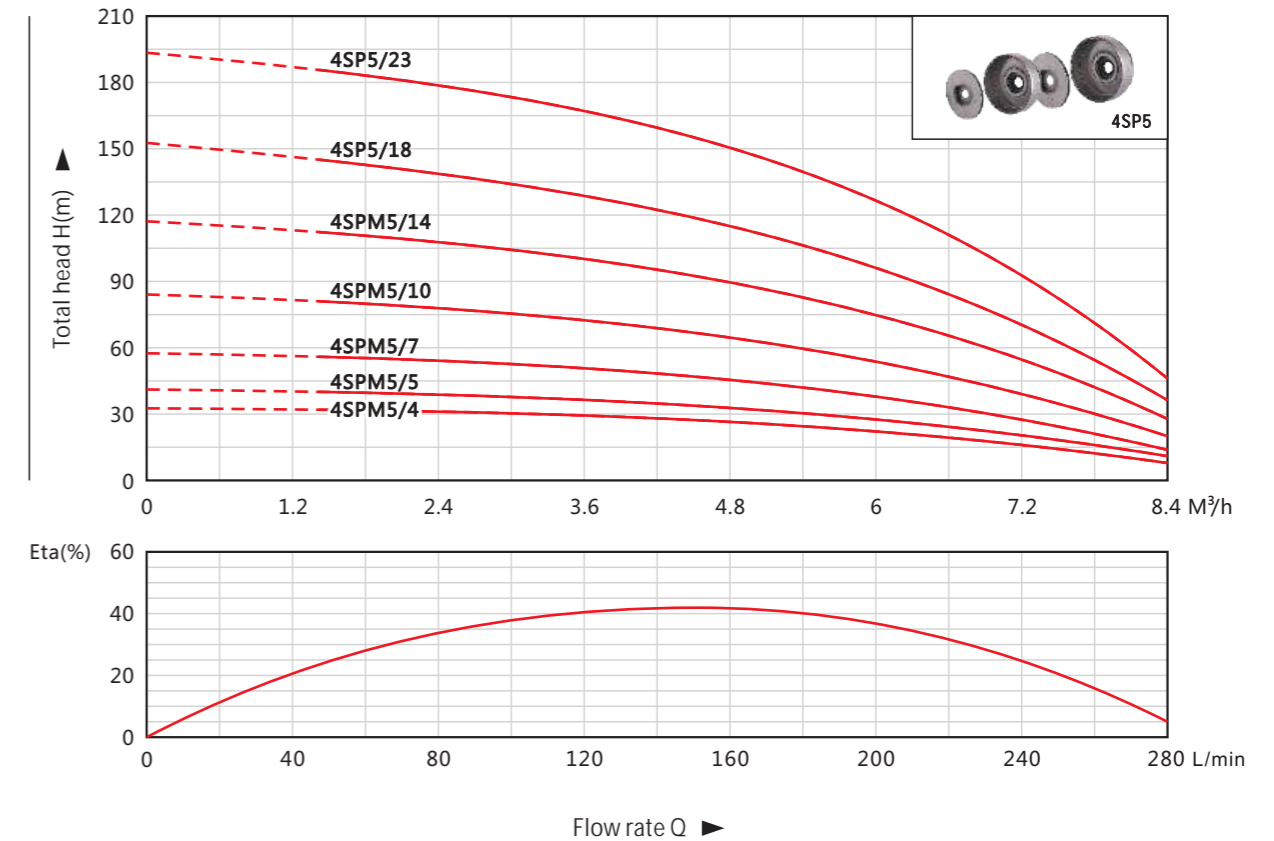
Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SPM2/6		1¼"	286	363	599	2.5	7.2	9.7
4SPM2/8		1¼"	328	378	656	2.9	8	10.9
4SPM2/11	4SP2/11	1¼"	391	398	739	3.6	8.7	12.3
4SPM2/14	4SP2/14	1¼"	454	438	842	4.2	10.8	15
4SPM2/19	4SP2/19	1¼"	559	515	1024	5.3	13.8	19.1
4SPM2/25	4SP2/25	1¼"	685	590	1225	6.6	17.4	24
	4SP2/32	1¼"	832	605	1387	8.1	19.3	27.4
	4SP2/40	1¼"	1000	723	1673	9.9	21.9	31.8



PERFORMANCE CHART AT N=3450RPM

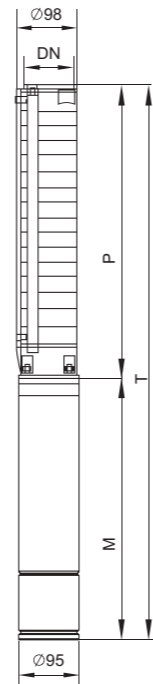


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)													
Single-phase	Three-phase	kW	HP	0	40	60	80	100	120	140	160	180	200	240	280	320	360	400	
4SPM3/4		0.37	0.5	H(m)	32	28	27	25	23	21	17	14	7	2					
4SPM3/5		0.55	0.75		40	35	34	31	29	26	22	18	9	3					
4SPM3/7	4SP3/7	0.75	1		57	50	48	44	41	37	30	26	12	4					
4SPM3/11	4SP3/11	1.1	1.5		90	79	78	70	66	59	49	41	19	5					
4SPM3/14	4SP3/14	1.5	2		115	101	100	90	84	76	62	51	25	7					
4SPM3/20	4SP3/20	2.2	3		165	145	141	129	121	109	91	74	36	9					
	4SP3/26	3	4		214	188	183	168	157	142	118	96	46	12					
	4SP3/31	4	5.5		255	225	219	200	188	169	141	115	55	14					

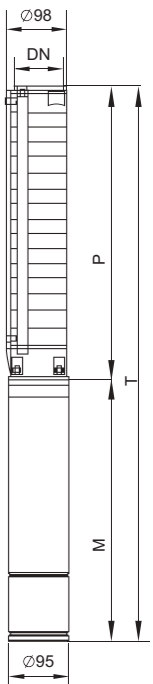


DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SPM3/4		1¼" N½"	244	363	557	2	7.2	9.2
4SPM3/5		1¼" N½"	265	378	593	2.3	8	10.3
4SPM3/7	4SP3/7	1¼" N½"	307	398	655	2.7	8.7	11.4
4SPM3/11	4SP3/11	1¼" N½"	391	438	779	3.6	10.8	14.4
4SPM3/14	4SP3/14	1¼" N½"	454	515	919	4.2	13.8	18
4SPM3/20	4SP3/20	1¼" N½"	580	590	1120	5.6	17.4	23
	4SP3/26	1¼" N½"	706	605	1261	6.9	19.3	26.2
	4SP3/31	1¼" N½"	811	723	1484	8	21.9	29.9

PERFORMANCE DATA 60Hz

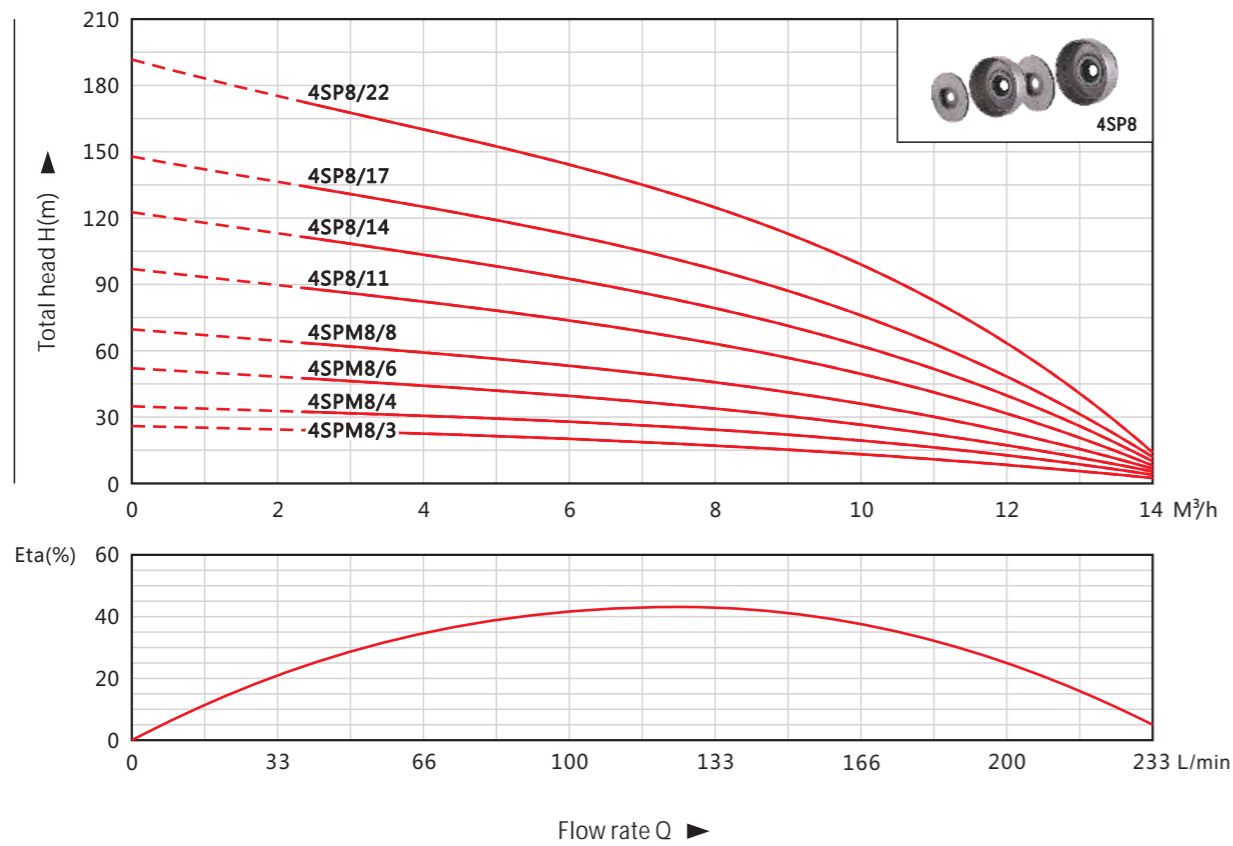
Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)												
Single-phase	Three-phase	kW	HP	0	40	60	80	100	120	140	160	180	200	240	280	320	360	400
4SPM5/4		0.55	0.75	H(m)	32	31	30	28	25	22	15	8						
4SPM5/5	4SP5/5	0.75	1		41	39	38	36	33	28	19	10						
4SPM5/7	4SP5/7	1.1	1.5		58	55	53	50	46	39	27	14						
4SPM5/10	4SP5/10	1.5	2		84	80	76	72	66	55	39	20						
4SPM5/14	4SP5/14	2.2	3		118	111	106	101	92	77	54	28						
	4SP5/18	3	4		152	143	137	130	119	100	70	36						
	4SP5/23	4	5.5		194	184	176	166	152	128	89	46						



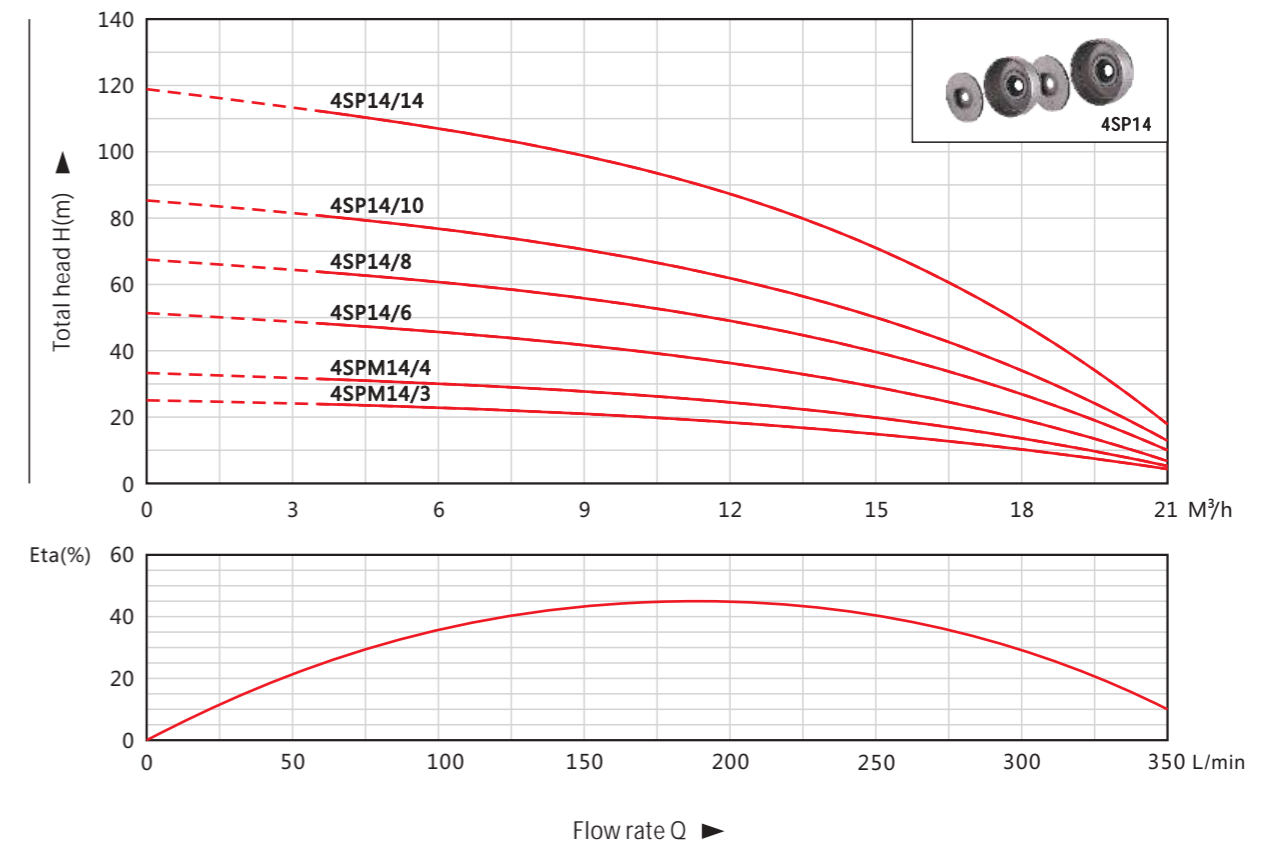
DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SPM5/4		1¼" N½"	256	378	584	2.2	8	10.2
4SPM5/5	4SP5/5	1¼" N½"	280	398	628	2.4	8.7	11.1
4SPM5/7	4SP5/7	1¼" N½"	328	438	716	2.9	10.8	13.7
4SPM5/10	4SP5/10	1¼" N½"	400	515	865	3.6	13.8	17.4
4SPM5/14	4SP5/14	1¼" N½"	496	590	1036	4.6	17.4	22
	4SP5/18	1¼" N½"	592	605	1147	5.6	19.3	24.9
	4SP5/23	1¼" N½"	712	723	1385	6.8	21.9	28.7

PERFORMANCE CHART AT N=3450RPM

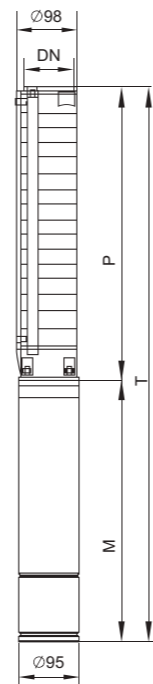


PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																	
Single-phase	Three-phase	kW	HP	0	Q(l/min)	0	2	4	6	8	10	12	14	0	33	66	100	133	166	200	233		
4SPM8/3	4SP8/3	0.75	1	H(m)		26	24	21	19	18	14	9	2										
4SPM8/4	4SP8/4	1.1	1.5		34	32	28	26	24	19	12	3											
4SPM8/6	4SP8/6	1.5	2		52	49	42	39	36	28	18	4											
4SPM8/8	4SP8/8	2.2	3		69	66	56	53	48	38	24	6											
	4SP8/11	3	4		96	91	77	73	66	52	34	8											
	4SP8/14	4	5.5		122	114	98	93	84	67	43	10											
	4SP8/17	5.5	7.5		148	140	119	112	102	81	52	12											
	4SP8/22	7.5	10		192	182	154	145	132	105	68	14											



DIMENSIONS & WEIGHT

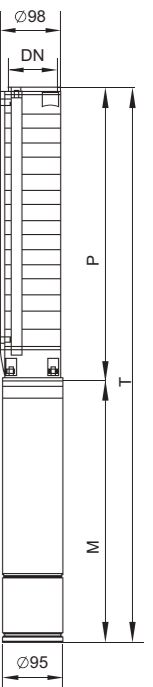
Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SPM8/3	4SP8/3	1½" / 2"	337	398	685	3.2	8.7	11.9
4SPM8/4	4SP8/4	1½" / 2"	379	438	767	3.7	10.8	14.5
4SPM8/6	4SP8/6	1½" / 2"	463	515	928	4.6	13.8	18.4
4SPM8/8	4SP8/8	1½" / 2"	547	590	1087	5.5	17.4	22.9
	4SP8/11	1½" / 2"	673	605	1228	6.9	19.3	26.2
	4SP8/14	1½" / 2"	799	723	1472	8.3	21.9	30.2
	4SP8/17	1½" / 2"	925	813	1688	9.7	25.6	35.3
	4SP8/22	1½" / 2"	1135	903	1988	12	28.3	40.3

PERFORMANCE DATA 60Hz

Model		Power (P ₂)		Q(m ³ /h)		Q(l/min)																	
Single-phase	Three-phase	kW	HP	0	Q(l/min)	0	3	6	9	12	15	18	21	0	50	100	150	200	250	300	350		
4SPM14/3	4SP14/3	1.5	2	H(m)		25	24	22	21	18	15	10	4										
4SPM14/4	4SP14/4	2.2	3		33	32	29	28	24	20	14	5											
	4SP14/6	3	4		51	48	44	42	36	31	21	7											
	4SP14/8	4	5.5		68	64	59	56	49	42	29	10											
	4SP14/10	5.5	7.5		85	80	76	70	62	52	36	13											
	4SP14/14	7.5	10		119	112	105	98	87	74	51	18											

DIMENSIONS & WEIGHT

Model		DN	DIMENSIONS (mm)			WEIGHT (kg)		
Single-phase	Three-phase		P	M	T	P	M	T
4SPM14/3	4SP14/3	2"	337	515	802	3.2	13.8	17
4SPM14/4	4SP14/4	2"	379	590	919	3.7	17.4	21.1
	4SP14/6	2"	463	605	1018	4.6	19.3	23.9
	4SP14/8	2"	547	723	1220	5.5	21.9	27.4
	4SP14/10	2"	631	813	1394	6.5	25.6	32.1
	4SP14/14	2"	799	903	1652	8.3	28.3	36.6



4SN2

Applications

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

Motor and pump

- Two-pole induction motor (n=3450 r.p.m)
- Rewindable motor
- Single-phase 110V-127V/60Hz , 220V-240V/60Hz
- Three-phase 220V-240V/60Hz , 380V-415V/60Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9906

Operating conditions

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

Options on request

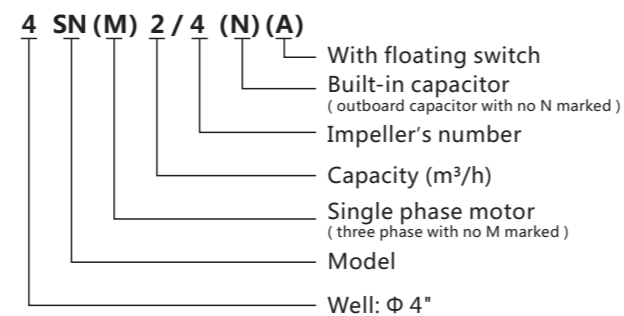
- Special mechanical seal



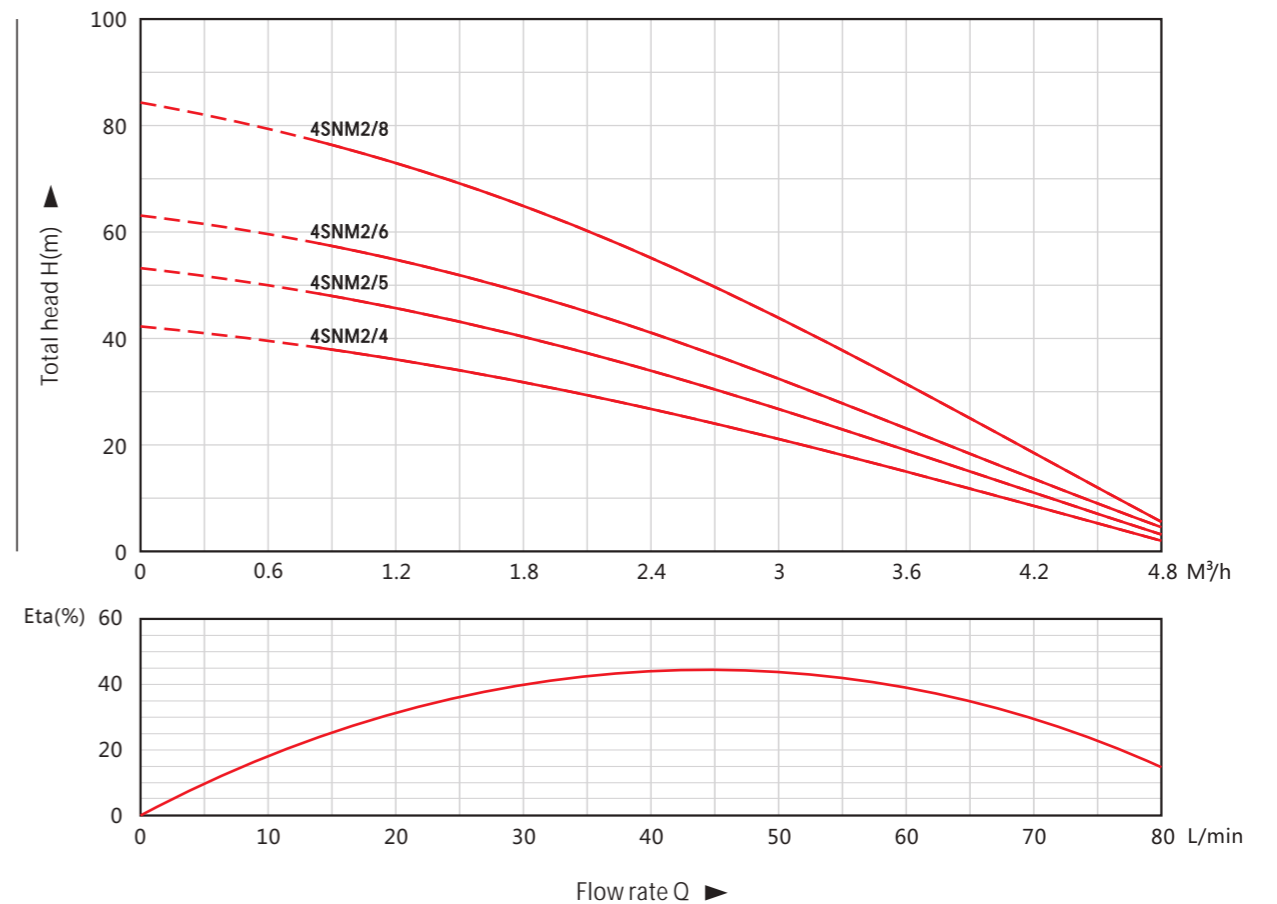
Components

- Delivery casing:** AISI304 SS / 201 SS
- Suction lantern:** AISI304 SS / 201 SS
- Pump external casing:** AISI304 SS / 201 SS
- Diffuser:** Plastic.PC
- Impeller:** Plastic.POM
- Motor external casing:** AISI304 SS
- Top chock:** Cast-iron ASTM NO.30
- Bottom support:** AISI304 SS / 201 SS
- Mechanical seal:** Graphite-Ceramic
- Shaft:** AISI304 SS-ASTM 5140
- Seal lubricant oil:** Oil for food machinery and pharmaceutical use

Material



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q (m ³ /h)											
	kW	HP	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	H(m)		
Single-phase			0	10	20	30	40	50	60	70	80			
4SNM2/4	0.37	0.5	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

Motor and pump

- Two-pole induction motor (n=3450 r.p.m)
- Rewindable motor
- Single-phase 110V-127V/60Hz , 220V-240V/60Hz
- Three-phase 220V-240V/60Hz , 380V-415V/60Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9906

Operating conditions

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

Options on request

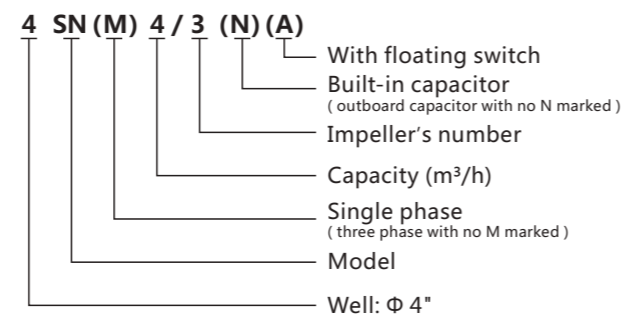
- Special mechanical seal



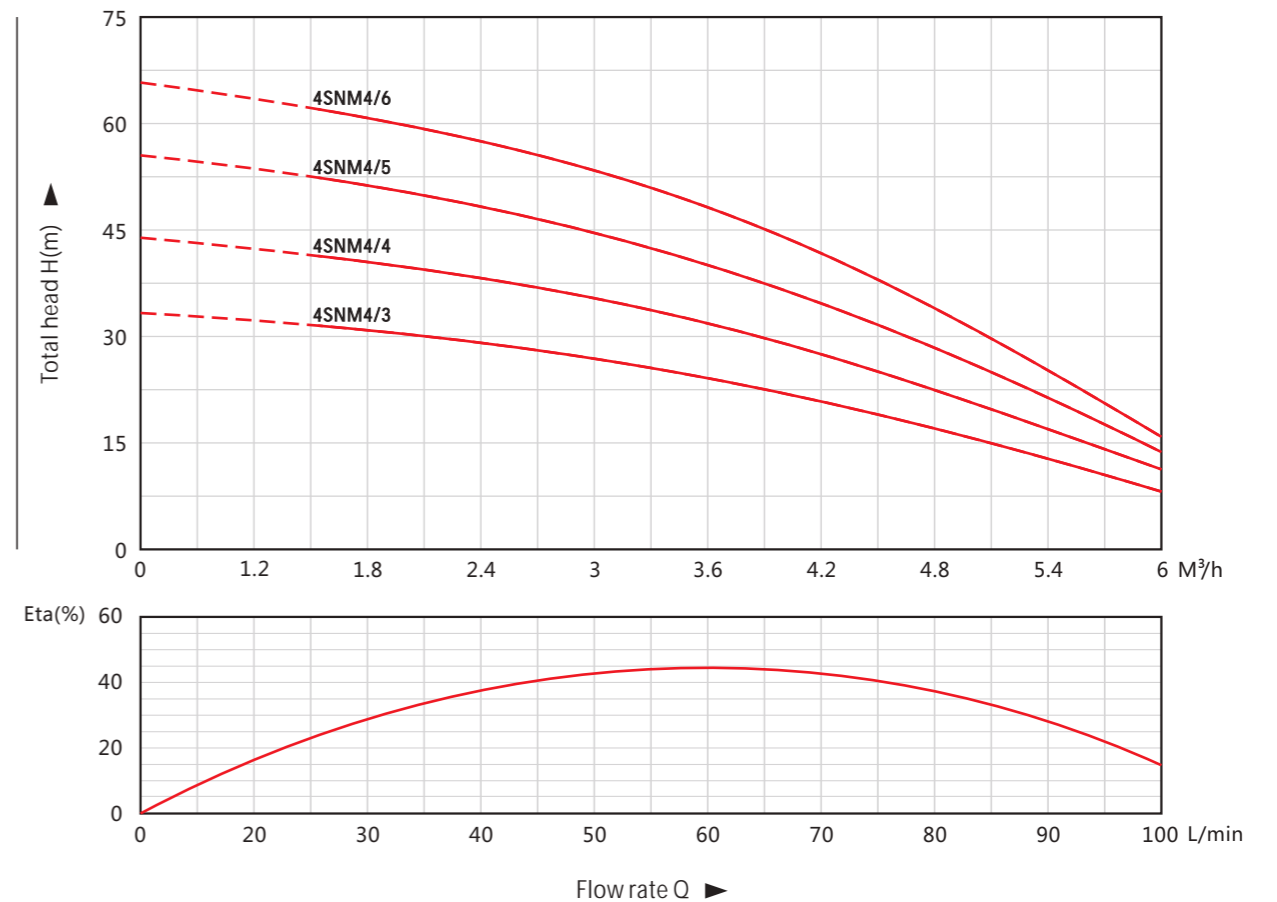
Components

- Delivery casing:** AISI304 SS / 201 SS
- Suction lantern:** AISI304 SS / 201 SS
- Pump external casing:** AISI304 SS / 201 SS
- Diffuser:** Plastic.PC
- Impeller:** Plastic.POM
- Motor external casing:** AISI304 SS
- Top chock:** Cast-iron ASTM NO.30
- Bottom support:** AISI304 SS / 201 SS
- Mechanical seal:** Graphite-Ceramic
- Shaft:** AISI304 SS-ASTM 5140
- Seal lubricant oil:** Oil for food machinery and pharmaceutical use

Material



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q (m ³ /h)												
	kW	HP	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6			
Single-phase			0	20	30	40	50	60	70	80	90	100			
4SNM4/3	0.37	0.5	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			

SCM

Applications

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

Motor and pump

- Two-pole induction motor (n=3450 r.p.m)
- Rewindable motor
- Single-phase 110V-127V/60Hz , 220V-240V/60Hz
- Three-phase 220V-240V/60Hz , 380V-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

Operating conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.15%
- Minimum well diameter: \varnothing 130mm

Options on request

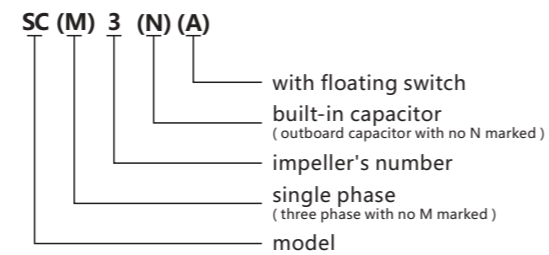
- Special mechanical seal



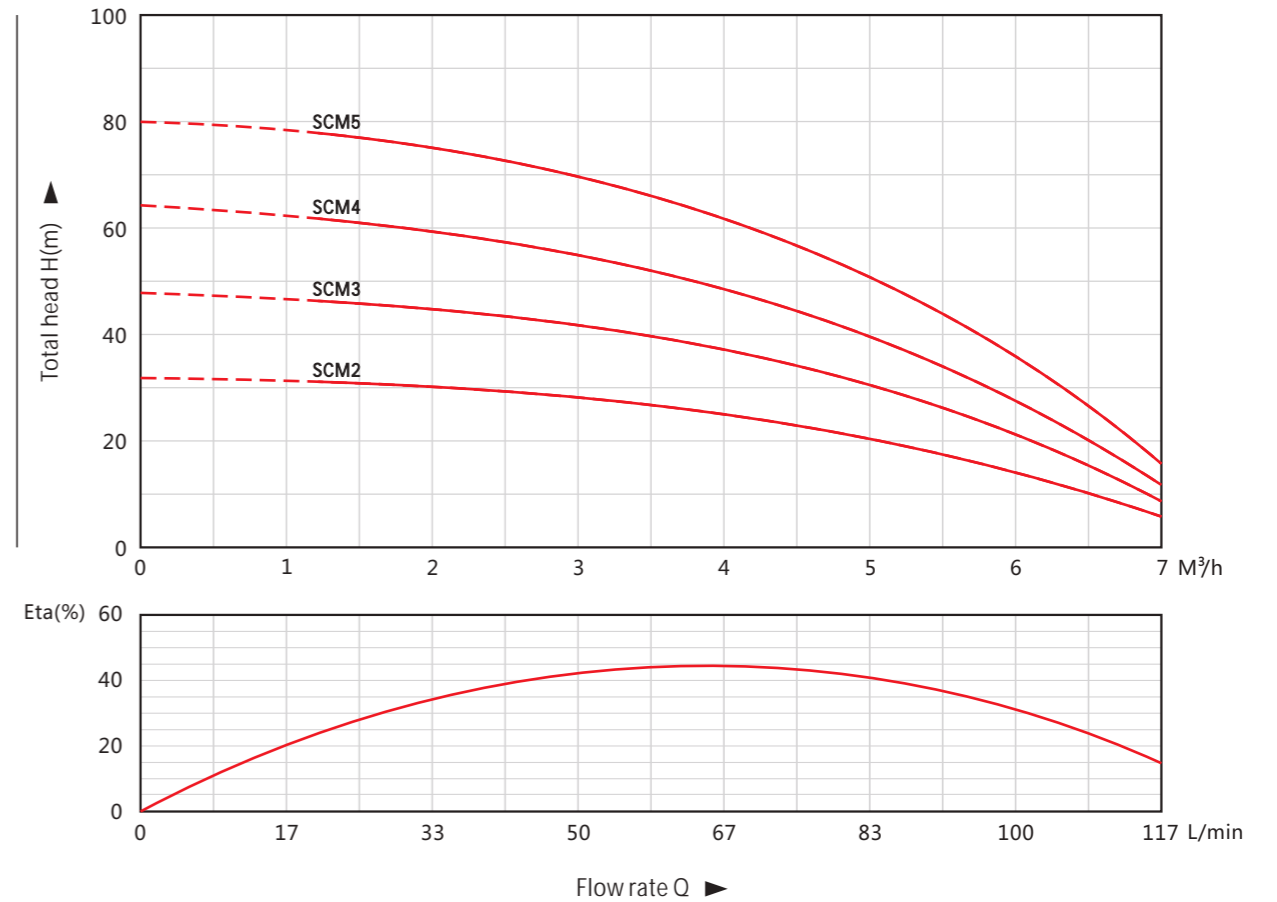
Components

- Pump external casing:** AISI304 SS / 201 SS
- Delivery casing:** AISI304 SS / 201 SS
- Suction lantern:** AISI304 SS / 201 SS
- Diffuser:** ①Plastic.PPO ②AISI304 SS
- Impeller:** ①Plastic.PPO ②AISI304 SS
- Motor external casing:** AISI304 SS
- Top chock:** ①Cast-iron ASTM NO.30 ②AISI420 SS
- Bottom support:** AISI304 SS / 201 SS
- Mechanical seal:** Graphite-Ceramic
- Shaft:** AISI304 SS-ASTM 5140
- Seal lubricant oil:** Oil for food machinery and pharmaceutical use

Material



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m ³ /h)								
	kW	HP	0	1	2	3	4	5	6	7	
Single-phase			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

QG SOLAR PUMP

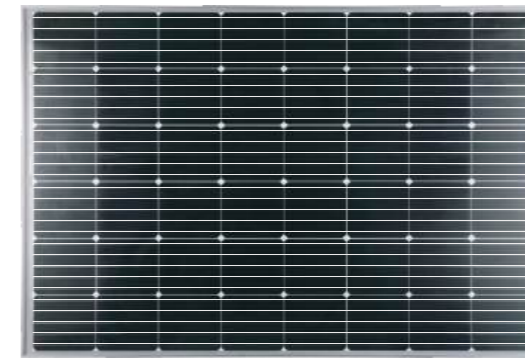
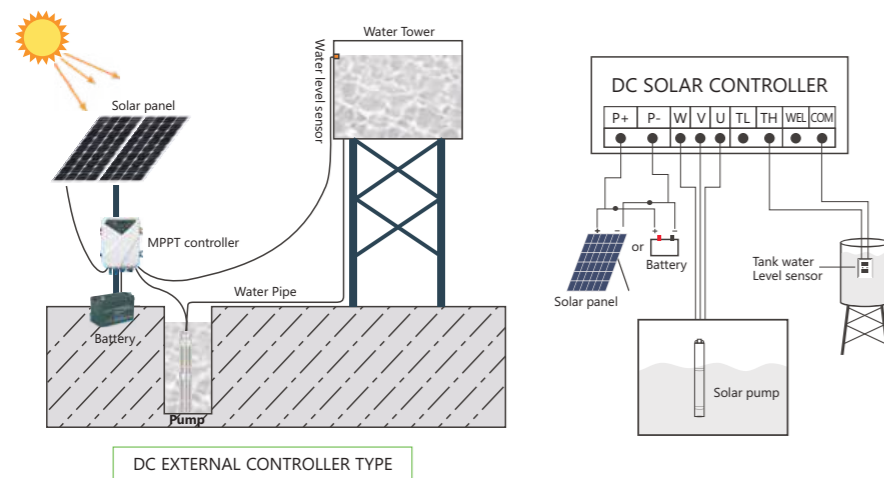
ENVIRONMENTAL PROTECTION AND ENERGY SAVING

DC Solar Pump Features

1. Permanent Magnet Brushless DC Synchronous Motor: Energy-saving design improves efficiency by 15-20%.
2. Brass or Stainless Steel Outlet and Coupling: Enhanced corrosion resistance.
3. Angular Contact Bearings: Withstands high axial loads.
4. Silicon Carbide (SiC) - Impregnated Graphite Mechanical Seal: Long service life and reliable operation.
5. High-Temperature Resistant Copper Wire (180°C): Insulation Class H.
6. Stator and Rotor Made of Cold-rolled 600 Silicon Steel Sheets: Optimized magnetic performance.
7. The magnet is made of 40SH NdFeB (neodymium iron boron) material: Capable of withstanding temperatures up to 150°C.
8. AISI304 pump shaft: Durable life.
9. Controller Features
 - (1) Waterproof Rating: IP65.
 - (2) Wide Open-Circuit Voltage Range: Adapts to varying solar input.
 - (3) Operating Temperature Range: -15°C to 60°C.
 - (4) MPPT (Maximum Power Point Tracking) Functionality: Maximizes solar energy utilization.
 - (5) LED Display: Shows real-time parameters (power, voltage, current, speed).
 - (6) Auto/Manual Speed Adjustment: Automatically adjusts speed based on solar power input, or manually via user settings.
 - (7) Automatic Start/Stop: No manual monitoring required.
 - (8) Soft Start Technology: Eliminates inrush current to protect the pump motor.
 - (9) Comprehensive Protection: Over-voltage, under-voltage, over-current, phase loss, short-circuit, water shortage, and high-temperature protection.



4QG

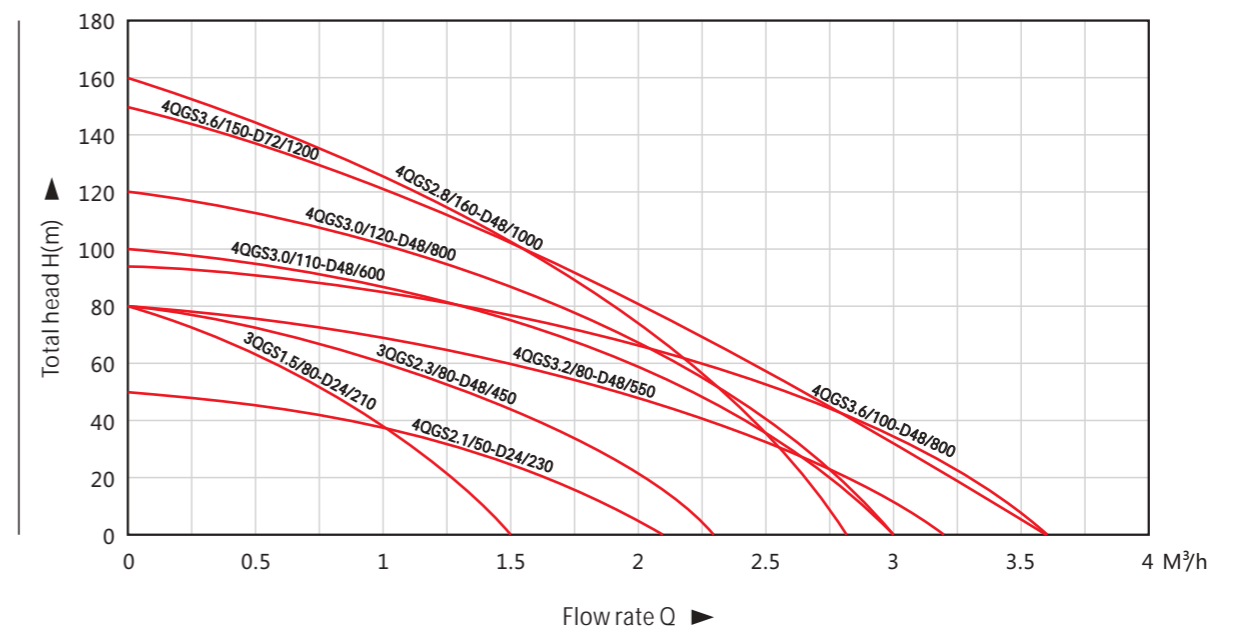


Solar panel



DC 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
4QGS3.6/150-D72/1200		110	1600	3.6	150	1"	14.2	100×550

3" SOLAR PUMP

ENVIRONMENTAL PROTECTION AND ENERGY SAVING

DC Solar Pump Features

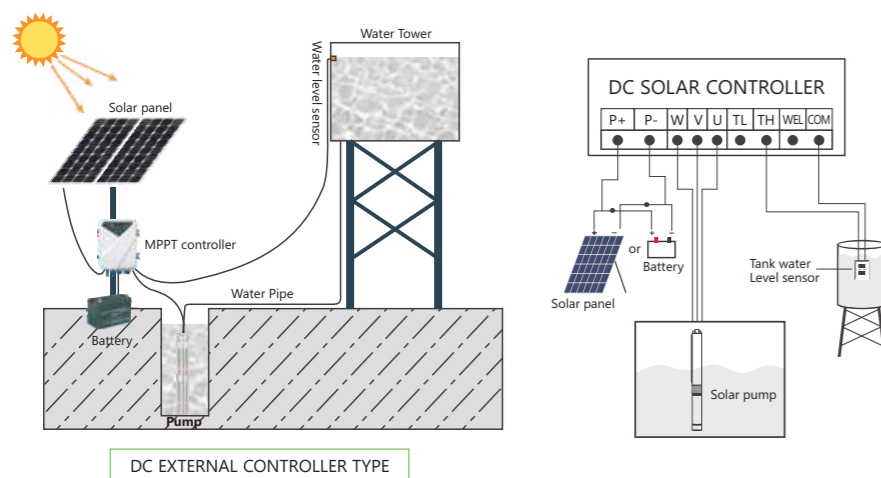
1. Permanent Magnet Brushless DC Synchronous Motor: Energy-saving design improves efficiency by 15-20%.
2. Brass or Stainless Steel Outlet and Coupling: Enhanced corrosion resistance.
3. Angular Contact Bearings: Withstands high axial loads.
4. Silicon Carbide (SiC) - Impregnated Graphite Mechanical Seal: Long service life and reliable operation.
5. High-Temperature Resistant Copper Wire (180°C): Insulation Class H.
6. Stator and Rotor Made of Cold-rolled 600 Silicon Steel Sheets: Optimized magnetic performance.
7. The magnet is made of 40SH NdFeB (neodymium iron boron) material: Capable of withstanding temperatures up to 150°C.
8. AISI304 pump shaft: Durable life.
9. Controller Features
 - (1) Waterproof Rating: IP65.
 - (2) Wide Open-Circuit Voltage Range: Adapts to varying solar input.
 - (3) Operating Temperature Range: -15°C to 60°C.
 - (4) MPPT (Maximum Power Point Tracking) Functionality: Maximizes solar energy utilization.
 - (5) LED Display: Shows real-time parameters (power, voltage, current, speed).
 - (6) Auto/Manual Speed Adjustment: Automatically adjusts speed based on solar power input, or manually via user settings.
 - (7) Automatic Start/Stop: No manual monitoring required.
 - (8) Soft Start Technology: Eliminates inrush current to protect the pump motor.
 - (9) Comprehensive Protection: Over-voltage, under-voltage, over-current, phase loss, short-circuit, water shortage, and high-temperature protection.



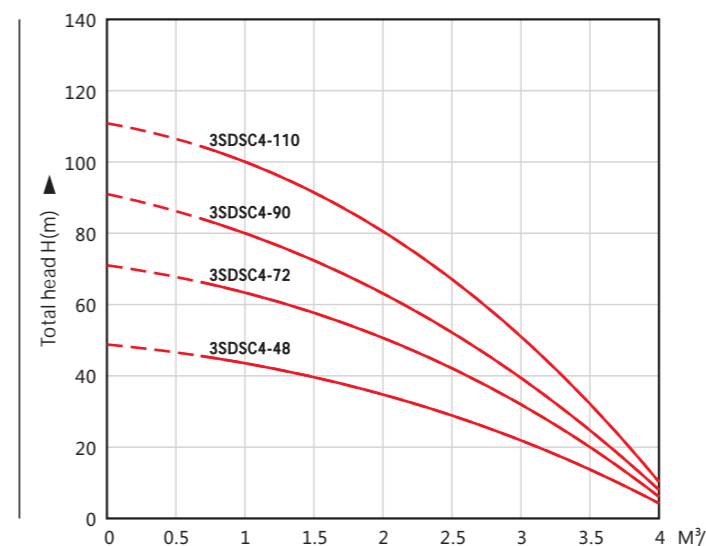
Solar panel



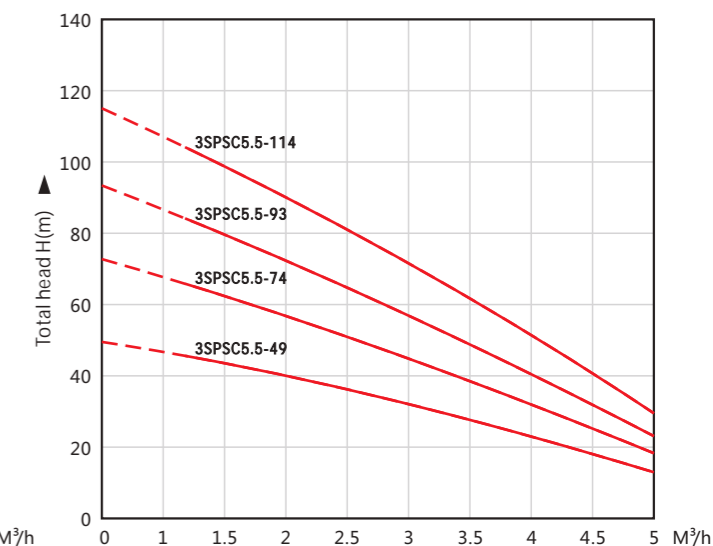
DC Motor controller



PERFORMANCE CHART AT N=4500RPM



PERFORMANCE CHART AT N=4500RPM



Flow rate Q ▶

Model	Kw	Current (A)	Solar array Voltage (v)	Q (m³/h)									
				0	0.5	1	1.5	2	2.5	3	3.5	4	
3SDSC4-48-D48/600	0.6	10.5	48-70	48	47	44	41	36	30	23	14	4	
3SDSC4-72-D72/800	0.8	9.6	72-110	72	70	66	62	54	45	35	21	6	
3SDSC4-90-D72/1000	1.0	11.8	72-110	90	86	81	76	66	56	43	26	8	
3SDSC4-110-D110/1300	1.3	11.2	110-140	112	108	103	96	84	71	54	33	10	

Model	Kw	Current (A)	Solar array Voltage (v)	Q (m³/h)									
				0	1	1.5	2	2.5	3	3.5	4	4.5	5
3SPSC5.5-49-D48/600	0.6	10.5	48-70	49	40	38	36	34	31	28	25	19	13
3SPSC5.5-74-D72/800	0.8	9.6	72-110	74	60	57	54	51	46	42	37	28	19
3SPSC5.5-93-D72/1000	1.0	11.8	72-110	93	73	69	66	62	56	51	45	34	23
3SPSC5.5-114-D110/1300	1.3	11.2	110-140	114	93	88	84	79	72	65	58	44	30

4" SOLAR PUMP

ENVIRONMENTAL PROTECTION AND ENERGY SAVING

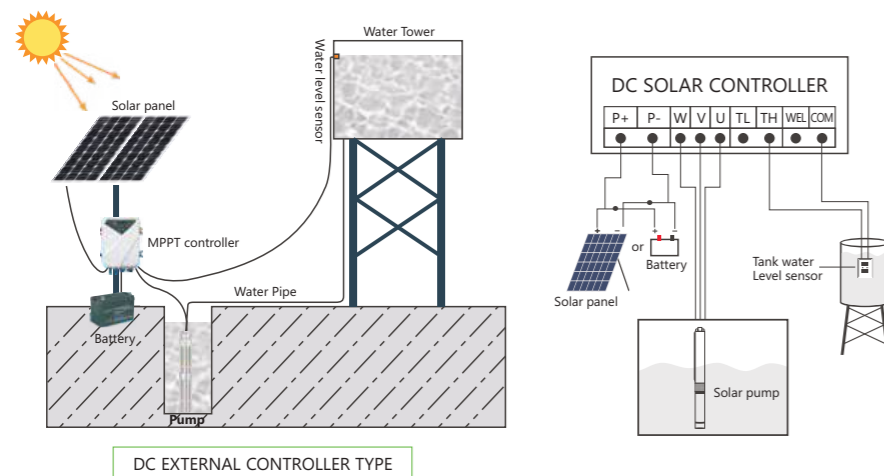
DC Solar Pump Features

1. Permanent Magnet Brushless DC Synchronous Motor: Energy-saving design improves efficiency by 15-20%.
2. Brass or Stainless Steel Outlet and Coupling: Enhanced corrosion resistance.
3. Angular Contact Bearings: Withstands high axial loads.
4. Silicon Carbide (SiC) - Impregnated Graphite Mechanical Seal: Long service life and reliable operation.
5. High-Temperature Resistant Copper Wire (180°C): Insulation Class H.
6. Stator and Rotor Made of Cold-rolled 600 Silicon Steel Sheets: Optimized magnetic performance.
7. The magnet is made of 40SH NdFeB (neodymium iron boron) material: Capable of withstanding temperatures up to 150°C.
8. AISI304 pump shaft: Durable life.
9. Controller Features
 - (1) Waterproof Rating: IP65.
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 - (7) Automatic Start/Stop: No manual monitoring required.
 - (8) Soft Start Technology: Eliminates inrush current to protect the pump motor.
 - (9) Comprehensive Protection: Over-voltage, under-voltage, over-current, phase loss, short-circuit, water shortage, and high-temperature protection.



4SPSC

4SDSC

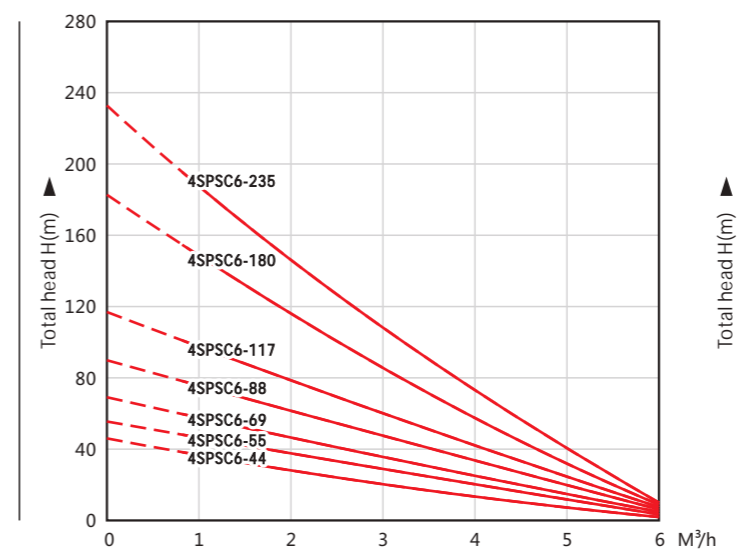


Solar panel

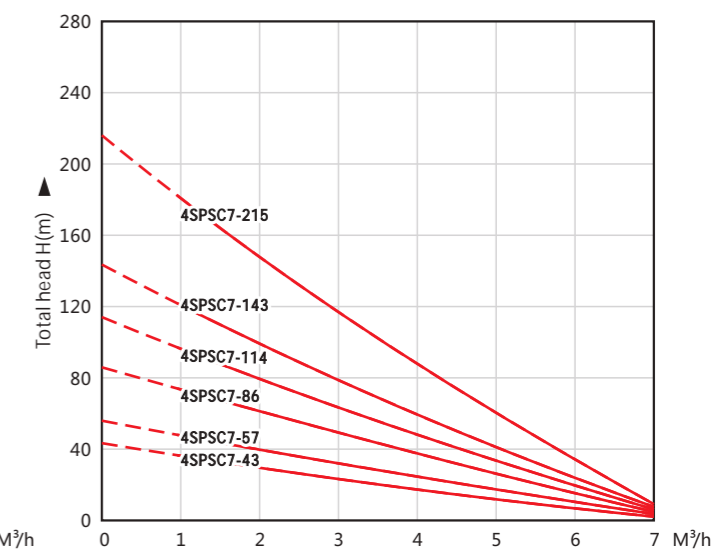


AC/DC Motor controller

PERFORMANCE CHART AT N=4500RPM



PERFORMANCE CHART AT N=4500RPM



Flow rate Q

Model	Kw	Current (A)	(AC) Voltage (v)	Solar array Voltage (v)	H(m)						
					Q(m³/h)	Q(l/min)	0	1	2	3	4
4SPSC6-44-D48/400	0.4	8.3	/	48-70	44	33	25	17	13	8	2
4SPSC6-55-D48/600	0.6	10.5	/	48-70	55	44	33	23	17	10	3
4SPSC6-69-D72/800	0.8	9.6	/	72-110	69	55	44	34	26	15	4
4SPSC6-88-D72/1000	1.0	11.8	/	72-110	88	68	54	46	34	20	5
4SPSC6-117-D110/1300	1.3	11.2	/	110-140	117	91	72	58	43	25	6
4SPSC6-180-150/1500-AD	1.5	12.5	110-240	150-200	180	141	104	75	56	33	7
4SPSC6-235-200/2200-AD	2.2	14.6	110-240	200-330	235	185	137	99	74	44	8

Model	Kw	Current (A)	(AC) Voltage (v)	Solar array Voltage (v)	H(m)							
					Q(m³/h)	Q(l/min)	0	1	2	3	4	5
4SPSC7-43-D48/600	0.6	10.5	/	48-70	43	35	28	22	17	11	7	3
4SPSC7-57-D72/800	0.8	9.6	/	72-110	57	46	37	30	22	15	9	4
4SPSC7-86-D72/1000	1.0	11.8	/	72-110	86	69	55	44	34	22	14	5
4SPSC7-114-D110/1300	1.3	11.2	/	110-140	114	92	74	59	45	30	18	6
4SPSC7-143-150/1500-AD	1.5	12.5	110-240	150-200	143	116	92	74	56	38	23	7
4SPSC7-215-200/2200-AD	2.2	14.6	110-240	200-300	215	174	139	111	85	57	35	8

4" SOLAR PUMP

ENVIRONMENTAL PROTECTION AND ENERGY SAVING

DC Solar Pump Features

1. Permanent Magnet Brushless DC Synchronous Motor: Energy-saving design improves efficiency by 15-20%.
2. Brass or Stainless Steel Outlet and Coupling: Enhanced corrosion resistance.
3. Angular Contact Bearings: Withstands high axial loads.
4. Silicon Carbide (SiC) - Impregnated Graphite Mechanical Seal: Long service life and reliable operation.
5. High-Temperature Resistant Copper Wire (180°C): Insulation Class H.
6. Stator and Rotor Made of Cold-rolled 600 Silicon Steel Sheets: Optimized magnetic performance.
7. The magnet is made of 40SH NdFeB (neodymium iron boron) material: Capable of withstanding temperatures up to 150°C.
8. AISI304 pump shaft: Durable life.
9. Controller Features
 - (1) Waterproof Rating: IP65.
 - (2) Wide Open-Circuit Voltage Range: Adapts to varying solar input.
 - (3) Operating Temperature Range: -15°C to 60°C.
 - (4) MPPT (Maximum Power Point Tracking) Functionality: Maximizes solar energy utilization.
 - (5) LED Display: Shows real-time parameters (power, voltage, current, speed).
 - (6) Auto/Manual Speed Adjustment: Automatically adjusts speed based on solar power input, or manually via user settings.
 - (7) Automatic Start/Stop: No manual monitoring required.
 - (8) Soft Start Technology: Eliminates inrush current to protect the pump motor.
 - (9) Comprehensive Protection: Over-voltage, under-voltage, over-current, phase loss, short-circuit, water shortage, and high-temperature protection.



4SPSC

4SDSC

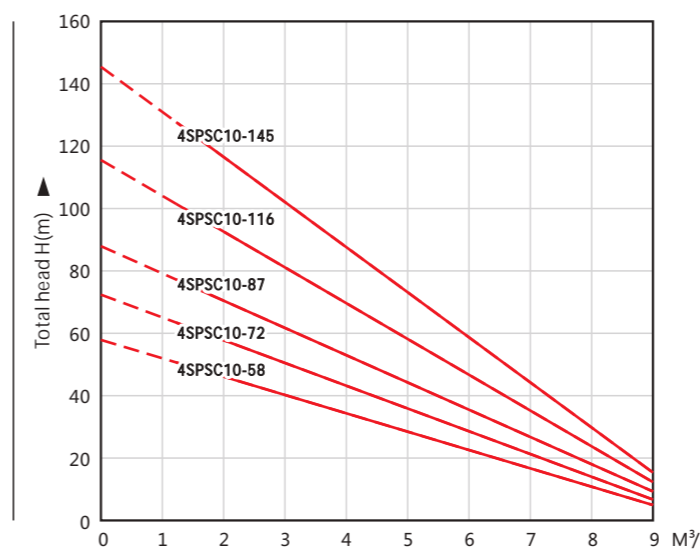


Solar panel

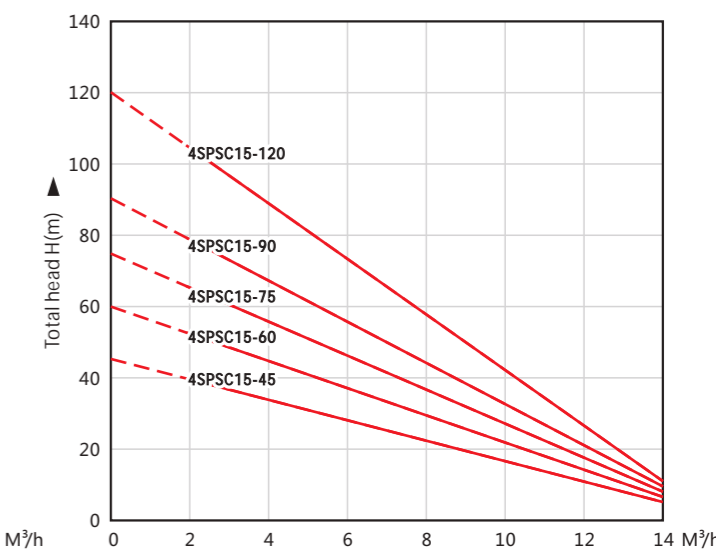


AC/DC Motor controller

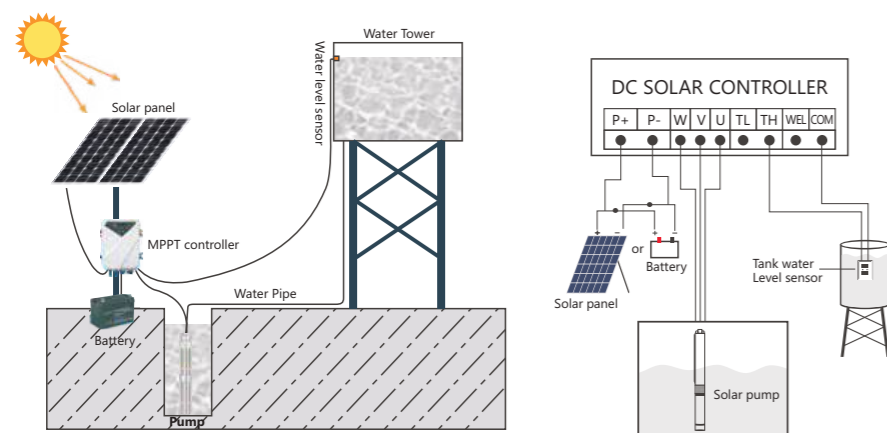
PERFORMANCE CHART AT N=4500RPM



PERFORMANCE CHART AT N=4500RPM



Flow rate Q



DC EXTERNAL CONTROLLER TYPE

Model	Kw	Current (A)	(AC) Voltage (v)	Solar array Voltage (v)	Q(m³/h)									
					0	1	2	3	4	5	6	7	8	9
4SPSC10-58-D72/800	0.8	9.6	/	72-110	58	54	48	42	36	31	26	20	14	6
4SPSC10-72-D72/1000	1.0	11.8	/	72-110	72	68	60	53	45	39	33	25	17	7
4SPSC10-87-D110/1300	1.3	11.2	/	110-140	87	81	72	63	54	46	39	30	21	9
4SPSC10-116-150/1500-AD	1.5	12.5	110-240	150-200	116	108	96	84	72	62	52	40	28	12
4SPSC10-145-200/2200-AD	2.2	14.6	110-240	200-300	145	136	121	106	90	78	66	51	35	15

Model	Kw	Current (A)	(AC) Voltage (v)	Solar array Voltage (v)	Q(m³/h)													
					0	2	4	6	8	10	12	14						
4SPSC15-45-D72/800	0.8	9.6	/	72-110	45	37	30	22	18	15	9	4						
4SPSC15-60-D72/1000	1.0	11.8	/	72-110	60	50	40	30	25	20	12	5						
4SPSC15-75-D150/1300	1.3	11.2	/	150-200	75	62	50	37	31	25	15	6						
4SPSC15-90-150/1500-AD	1.5	12.5	110-240	150-200	90	75	60	45	37	30	18	7						
4SPSC15-120-200/2200-AD	2.2	14.6	110-240	200-300	120	100	80	60	50	40	24	9						

DSC SOLAR PUMP

Environmental Protection And Energy Saving

DC Solar Pump Features

1. Permanent Magnet Brushless DC Synchronous Motor: Energy-saving design improves efficiency by 15-20%.
2. Brass or Stainless Steel Outlet and Coupling: Enhanced corrosion resistance.
3. Angular Contact Bearings: Withstands high axial loads.
4. Silicon Carbide (SiC) - Impregnated Graphite Mechanical Seal: Long service life and reliable operation.
5. High-Temperature Resistant Copper Wire (180°C): Insulation Class H.
6. Stator and Rotor Made of Cold-rolled 600 Silicon Steel Sheets: Optimized magnetic performance.
7. The magnet is made of 40SH NdFeB (neodymium iron boron) material: Capable of withstanding temperatures up to 150°C.
8. AISI304 pump shaft: Durable life.
9. Controller Features
 - (1) Waterproof Rating: IP65.
 - (2) Wide Open-Circuit Voltage Range: Adapts to varying solar input.
 - (3) Operating Temperature Range: -15°C to 60°C.
 - (4) MPPT (Maximum Power Point Tracking) Functionality: Maximizes solar energy utilization.
 - (5) LED Display: Shows real-time parameters (power, voltage, current, speed).
 - (6) Auto/Manual Speed Adjustment: Automatically adjusts speed based on solar power input, or manually via user settings.
 - (7) Automatic Start/Stop: No manual monitoring required.
 - (8) Soft Start Technology: Eliminates inrush current to protect the pump motor.
 - (9) Comprehensive Protection: Over-voltage, under-voltage, over-current, phase loss, short-circuit, water shortage, and high-temperature protection.

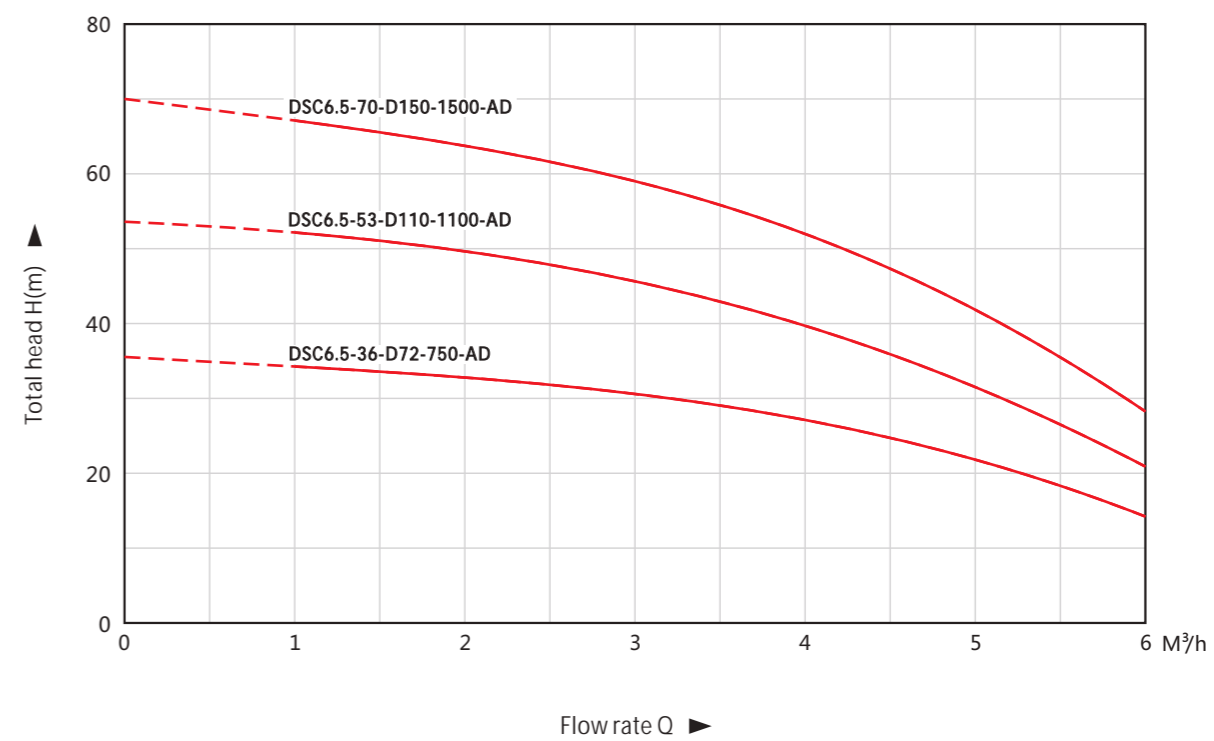


Solar panel

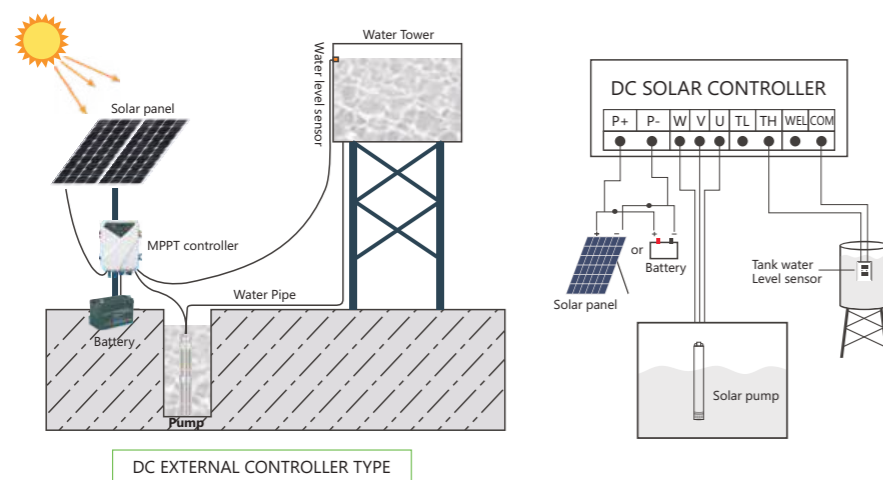


AC/DC Motor controller

PERFORMANCE CHART AT N=4500RPM



Model	Kw	Current (A)	(AC) Voltage (v)	Solar array Voltage (v)	Q (l/min)						
					0	17	33	50	67	83	100
DSC6.5-36-D72-750-AD	0.75	9.6	110-240	72-110	36	35	34	31	27	22	14
DSC6.5-53-D110-1100-AD	1.1	10.2	110-240	110-150	53	52	50	46	40	33	21
DSC6.5-70-D150-1500-AD	1.5	13.6	110-240	150-200	70	68	65	60	53	43	28



DQB

AC Solar Peripheral Pump

Applications

- ※ Deliver clean water or other liquids similar to water in physical and chemical properties
- ※ Farm irrigation & Domestic water lifting in no electricity area
- ※ Off grid solar irrigation system

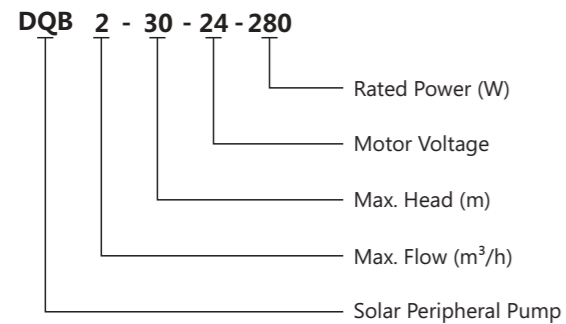
Pump Features

- ※ 100% Copper winding
- ※ High efficiency PMSM brushless motor (PMSM: Permanent-Magnet Synchronous Motor)
- ※ Cast iron pump body with e-coating treatment
- ※ Brass impeller
- ※ Movable bracket(optional)

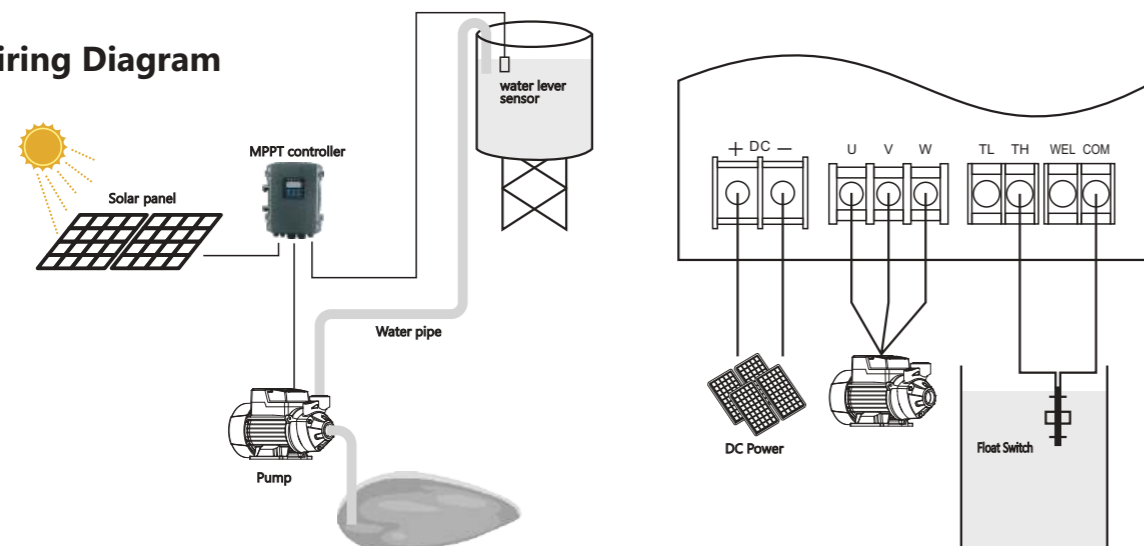
MPPT DC Controller

- ※ Protection IP55
- ※ Ambient temperature:-15~+60°C
- ※ LED Displays working parameter & Fault code
- ※ Auto Start & Stop (with float switch)
- ※ Soft start & Auto frequency conversion function

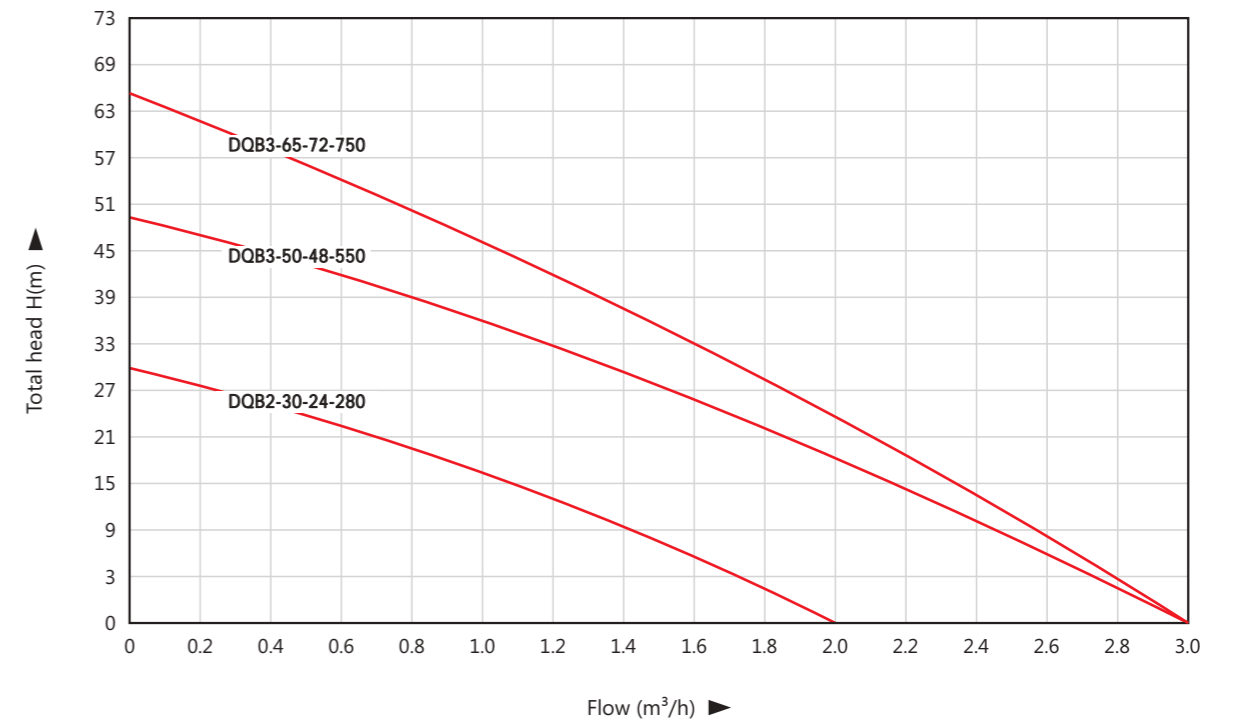
Identification Codes



Wiring Diagram



HYDRAULIC PERFORMANCE CURVES



TECHNICAL DATA

Model	Power (W)	Voltage (v)	Optimum Input Voltage (v)	Max. Flow (m ³ /h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DQB2-30-24-280	280	24	30-48	2	30	1"×1"	0.3	<50	≥1.3*Pump power
DQB3-50-48-550	550	48	50-70	3	50	1"×1"	0.3	<90	≥1.3*Pump power
DQB3-65-72-750	750	72	80-110	3	65	1"×1"	0.3	<140	≥1.3*Pump power

DAC

Hybrid AC/DC Solar Centrifugal Pump

Applications

- ※ Deliver clean water or other liquids similar to water in physical and chemical properties
- ※ Farm irrigation & Domestic water lifting in no electricity area
- ※ Off grid solar irrigation system

Pump Features

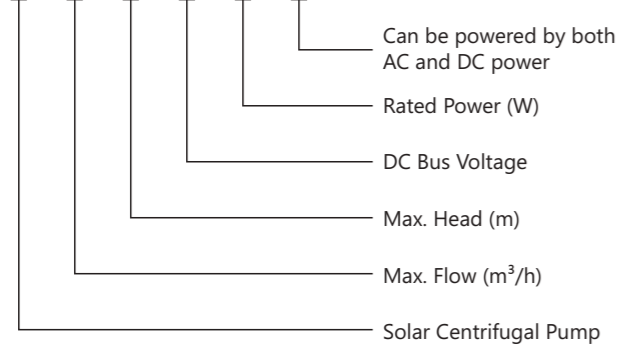
- ※ 100% Copper winding
- ※ High efficiency PMSM brushless motor (PMSM: Permanent-Magnet Synchronous Motor)
- ※ Cast iron pump body with e-coating treatment
- ※ Brass impeller
- ※ Movable bracket(standard)

MPPT AC/DC Controller

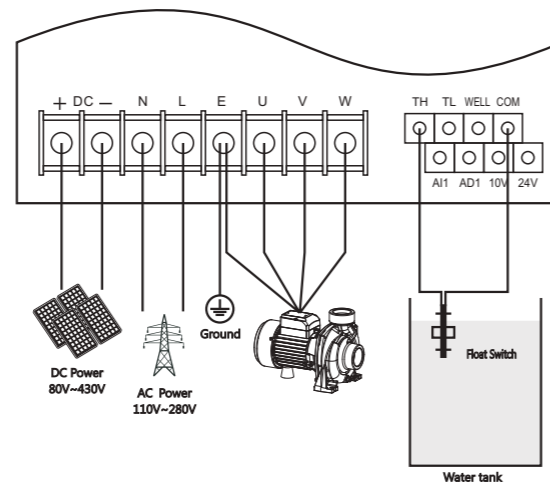
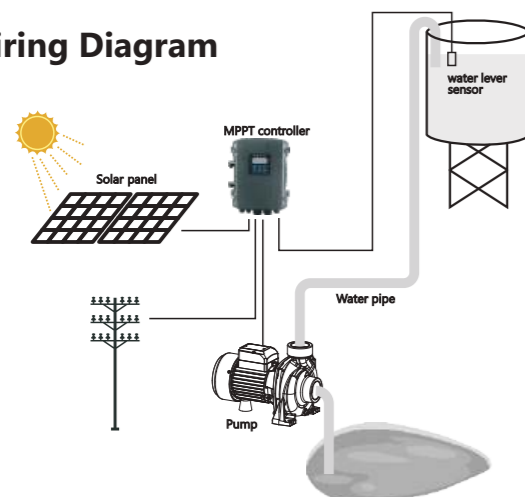
- ※ Can be used for both AC and DC power supply
- ※ Protection IP55
- ※ Ambient temperature:-15~+60°C
- ※ LED Displays working parameter & Fault code
- ※ Soft start & Auto frequency conversion function

Identification Codes

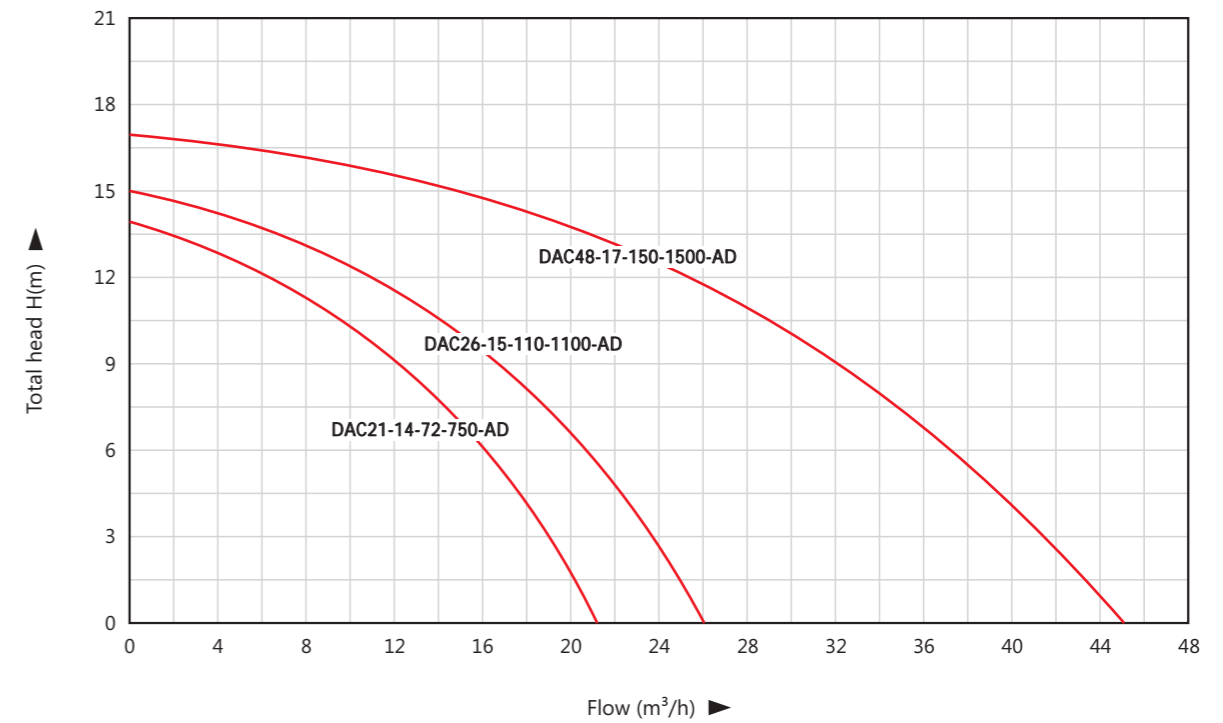
DAC 21 - 14 - 72 - 750 - AD



Wiring Diagram



HYDRAULIC PERFORMANCE CURVES



TECHNICAL DATA

Model	Power (W)	(AC) Voltage (v)	(DC) Voltage (v)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DAC21-14-72-750-AD	750	110-240	80-200	21	14	2"×2"	0.3	<300	≥1.3*Pump power
DAC26-15-110-1100-AD	1100	110-240	110-200	26	15	2"×2"	0.3	<300	≥1.3*Pump power
DAC-48-17-150-1500-AD	1500	110-240	150-200	45	17	3"×3"	0.3	<300	≥1.3*Pump power

DHFC

Hybrid AC/DC Solar Swimming Pool Pump

Applications

- ※ Designed for use in residential and commercial swimming pools and spas.
- ※ In most pool applications, all the power of filtration needs can be acquired directly from solar panels.

Pump Features

- ※ 100% Copper winding
- ※ High efficiency PMSM brushless motor (PMSM: Permanent-Magnet Synchronous Motor)

MPPT AC/DC Controller

- ※ Can be used for both AC and DC power supply
- ※ Protection IP55
- ※ Ambient temperature: -15~+60°C
- ※ LED Displays working parameter & Fault code
- ※ Soft start & Auto frequency conversion function

Identification Codes

DHFC 20 - 19 - 72 - 750 - AD

Can be powered by both AC and DC power

Rated Power (W)

DC Bus Voltage

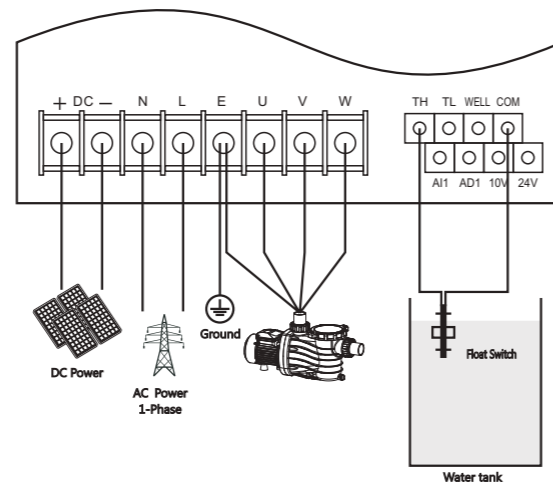
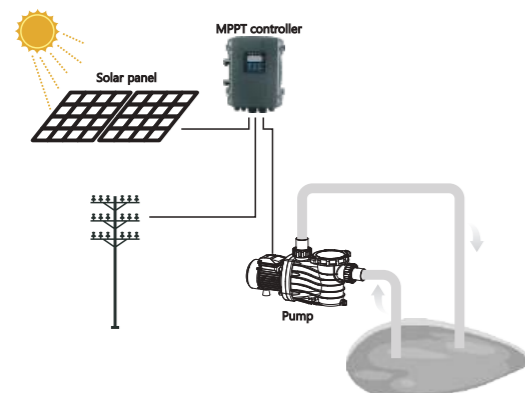
Max. Head (m)

Max. Flow (m³/h)

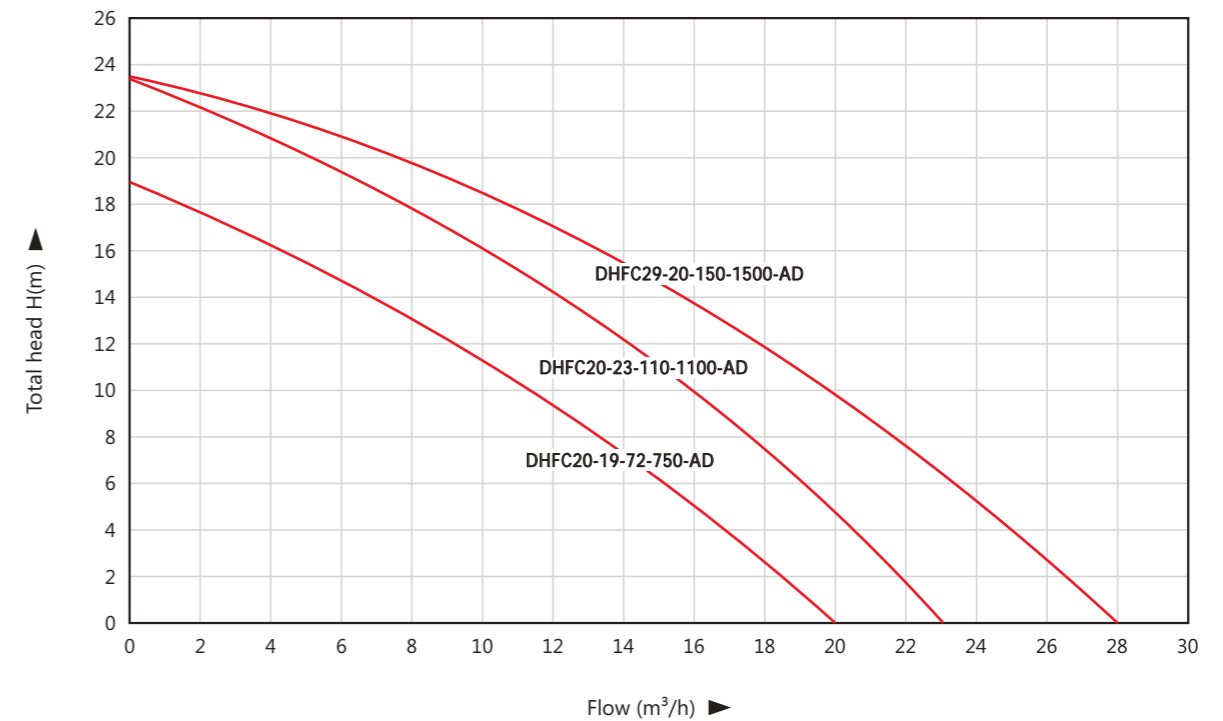
Solar Swimming Pool Pump



Wiring Diagram



HYDRAULIC PERFORMANCE CURVES



TECHNICAL DATA

Model	Power (W)	(AC) Voltage (V)	(DC) Voltage (V)	Max. Flow (m ³ /h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage (Voc)	Power
DHFC20-19-72-750-AD	750	110-240	80-200	20	19	2"×2"	0.3	<300	≥1.3*Pump power
DHFC20-23-110-1100-AD	1100	110-240	110-200	20	23	2"×2"	0.3	<300	≥1.3*Pump power
DHFC29-20-150-1500-AD	1500	150-240	150-200	29	20	2"×2"	0.3	<300	≥1.3*Pump power

DCPM

Voltage Brushless Centrifugal Solar Pump

Applications

- ※ Deliver clean water or other liquids similar to water in physical and chemical properties
- ※ Farm irrigation & Domestic water lifting in no electricity area
- ※ Off grid solar irrigation system

Pump Features

- ※ 100% Copper winding
- ※ High efficiency PMSM brushless motor (PMSM: Permanent-Magnet Synchronous Motor)
- ※ Cast iron pump body with e-coating treatment
- ※ Brass impeller
- ※ Movable bracket(standard)

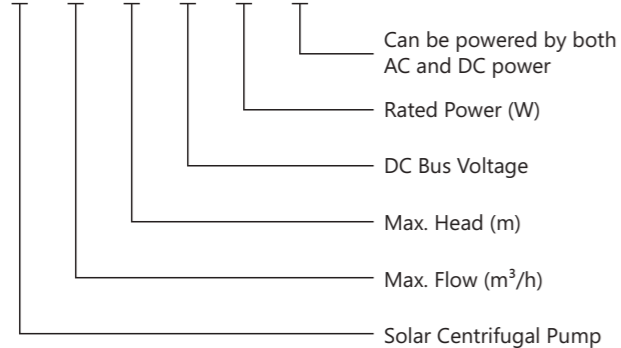
MPPT AC/DC Controller

- ※ Can be used for both AC and DC power supply
- ※ Protection IP55
- ※ Ambient temperature:-15~+60°C
- ※ LED Displays working parameter & Fault code
- ※ Soft start & Auto frequency conversion function

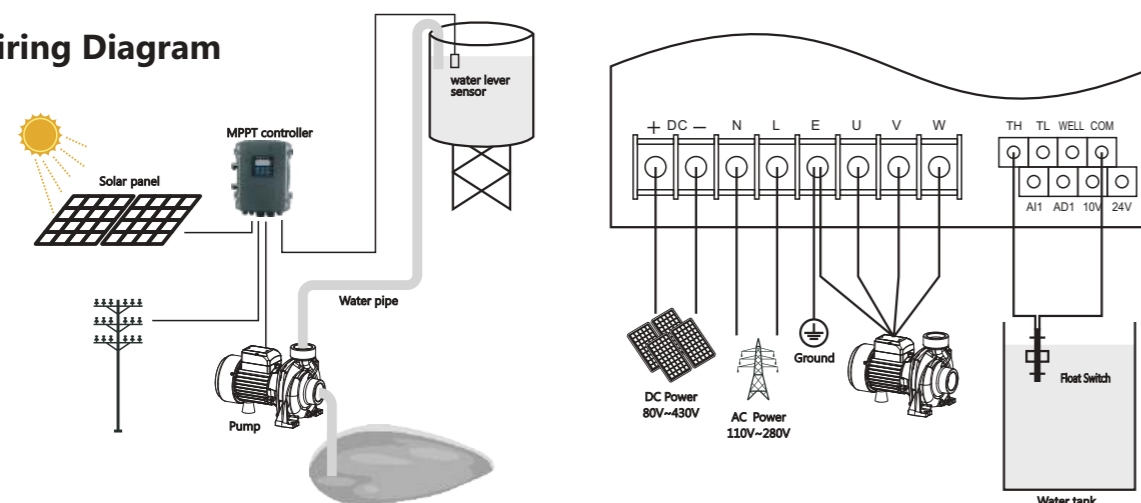


Identification Codes

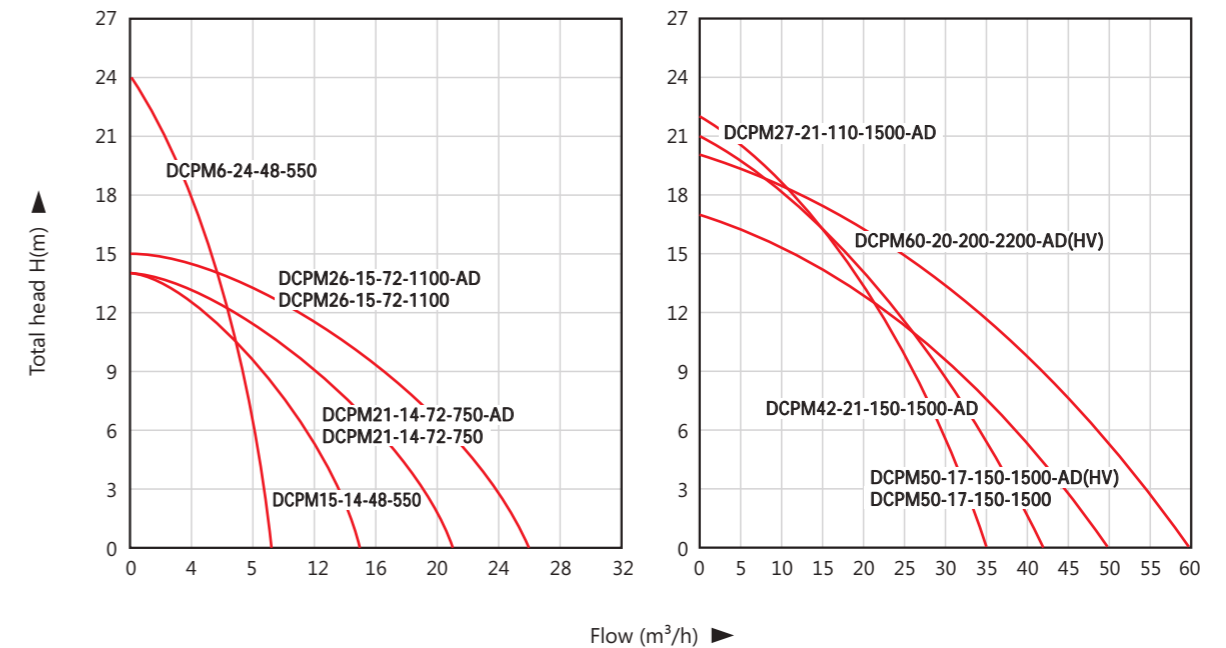
DCPM 21 - 14 - 72 - 750 - AD



Wiring Diagram



HYDRAULIC PERFORMANCE CURVES



TECHNICAL DATA

Model	Power (W)	Voltage (v)	(VOC) Voltage (v)	Max. Flow (m³/h)	Max. Head (m)	Outlet (Inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DCPM6-24-48-550	550	48	50-80	6	24	1"	0.3	<90	≥1.3*Pump power
DCPM15-14-48-550	550	48	50-80	15	14	1.5"	0.3	<90	≥1.3*Pump power
DCPM21-14-72-750	750	72	70-110	21	14	2"	0.3	<140	≥1.3*Pump power
DCPM26-15-72-1100	1100	72	70-110	26	15	2"	0.3	<140	≥1.3*Pump power
DCPM50-17-150-1500	1500	110	150-200	50	17	3"	0.3	<200	≥1.3*Pump power

Model	Power (W)	(AC) Voltage (v)	(DC) Voltage (v)	Max. Flow (m³/h)	Max. Head (m)	Outlet (Inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DCPM21-14-72-750-AD	750	110-240	80-200	21	14	2"	0.3	<300	≥1.3*Pump power
DCPM26-15-72-1100-AD	1100	110-240	80-200	26	15	2"	0.3	<300	≥1.3*Pump power
DCPM50-17-150-1500-AD	1500	110-240	150-200	50	17	3"	0.3	<300	≥1.3*Pump power
DCPM27-21-110-1500-AD	1500	110-240	110-200	35	22	3"	0.3	<300	≥1.3*Pump power
DCPM27-21-110-1500-AD	1500	110-240	110-200	35	22	4"	0.3	<300	≥1.3*Pump power
DCPM42-21-150-1500-AD	1500	110-240	150-240	42	21	3"	0.3	<300	≥1.3*Pump power
DCPM42-21-150-1500-AD	1500	110-240	150-240	42	21	4"	0.3	<300	≥1.3*Pump power
DCPM50-17-150-1500-HV	1500	/	150-200	50	17	3"	0.3	<400	≥1.3*Pump power
DCPM60-20-200-2200-AD	2200	110-240	200-300	60	20	4"	0.3	<300	≥1.3*Pump power
DCPM60-20-200-2200-HV	2200	/	200-400	60	20	4"	0.3	<400	≥1.3*Pump power

DJET

Brushless Surface Solar Pump

Applications

- ※ Deliver clean water or other liquids similar to water in physical and chemical properties
- ※ Farm irrigation & Domestic water lifting in no electricity area
- ※ Off grid solar irrigation system

Pump Features

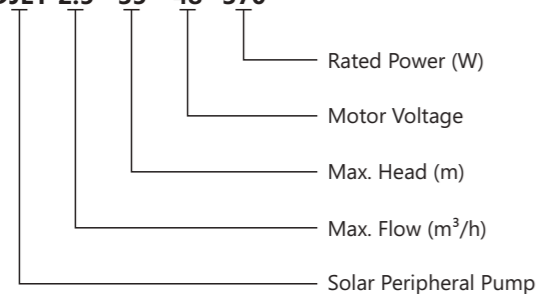
- ※ 100% Copper winding
- ※ High efficiency PMSM brushless motor (PMSM: Permanent-Magnet Synchronous Motor)
- ※ Cast iron pump body with e-coating treatment
- ※ Brass impeller
- ※ Movable bracket(optional)

MPPT DC Controller

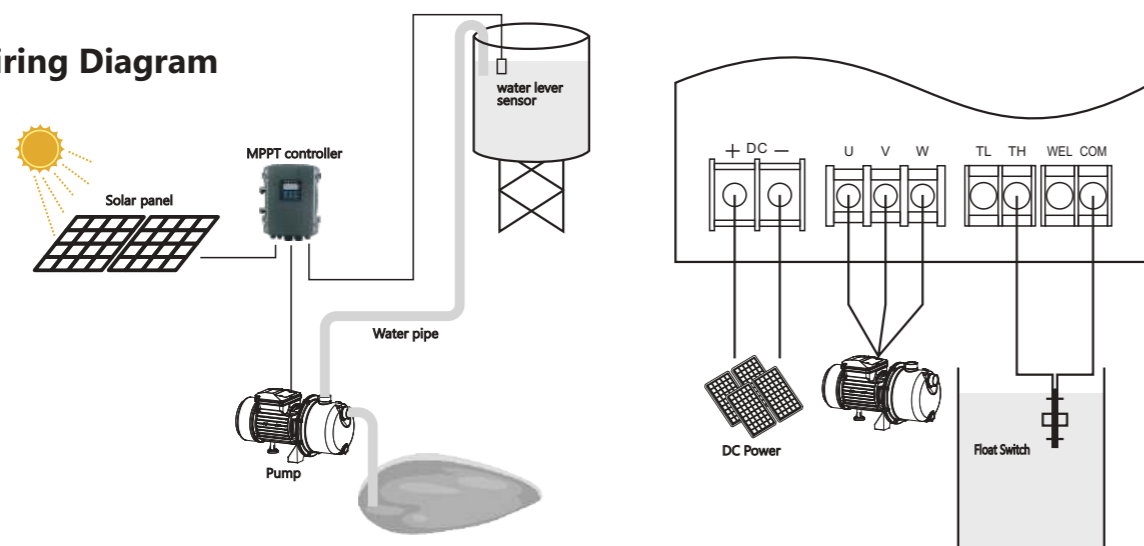
- ※ Protection IP55
- ※ Ambient temperature:-15~+60°C
- ※ LED Displays working parameter & Fault code
- ※ Auto Start & Stop (with float switch)
- ※ Soft start & Auto frequency conversion function

Identification Codes

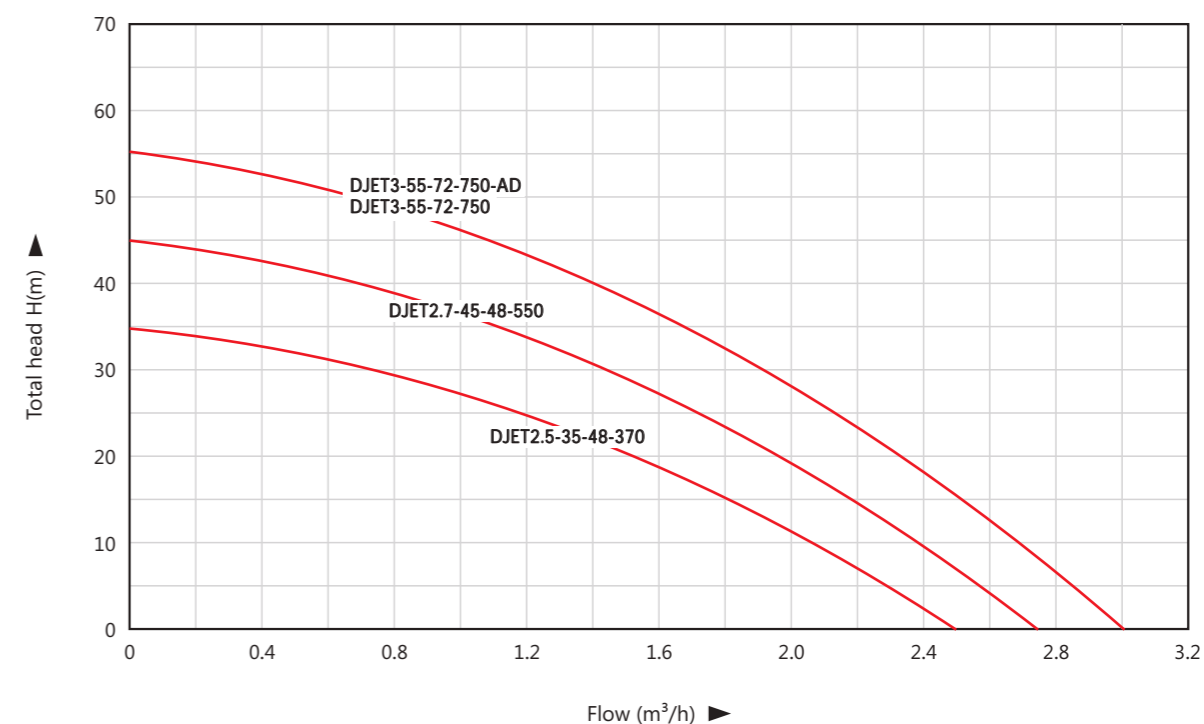
DJET 2.5 - 35 - 48 - 370



Wiring Diagram



HYDRAULIC PERFORMANCE CURVES



TECHNICAL DATA

Model	Power (W)	Voltage (V)	(DC) Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DJET2.5-35-48-370	370	48	50-70	2.5	35	1"×1"	0.3	<90	≥1.3*Pump power
DJET2.7-45-48-550	550	48	50-70	2.7	45	1"×1"	0.3	<90	≥1.3*Pump power
DJET3-55-72-750	750	72	80-110	3	55	1"×1"	0.3	<140	≥1.3*Pump power

Model	Power (W)	(AC) Voltage (V)	(DC) Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(voc)	Power
DJET3-55-72-750-AD	750	110-240	80-200	3	55	1"×1"	0.3	<300	≥1.3*Pump power

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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Three-phase 220V-240V/60Hz , 380V-415V/60Hz

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**

Options on request

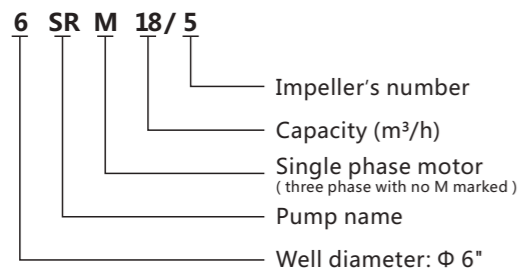
- ※ Special mechanical seal
- ※ Single phase motor with built-in capacitor
- ※ Single phase motor with control box
- ※ The length of cable: 2m
- ※ Outlet dimension : 3"

Components

- ※ **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 / 201 SS
- ※ **Oil chamber:** Cast iron, Stainless steel if request

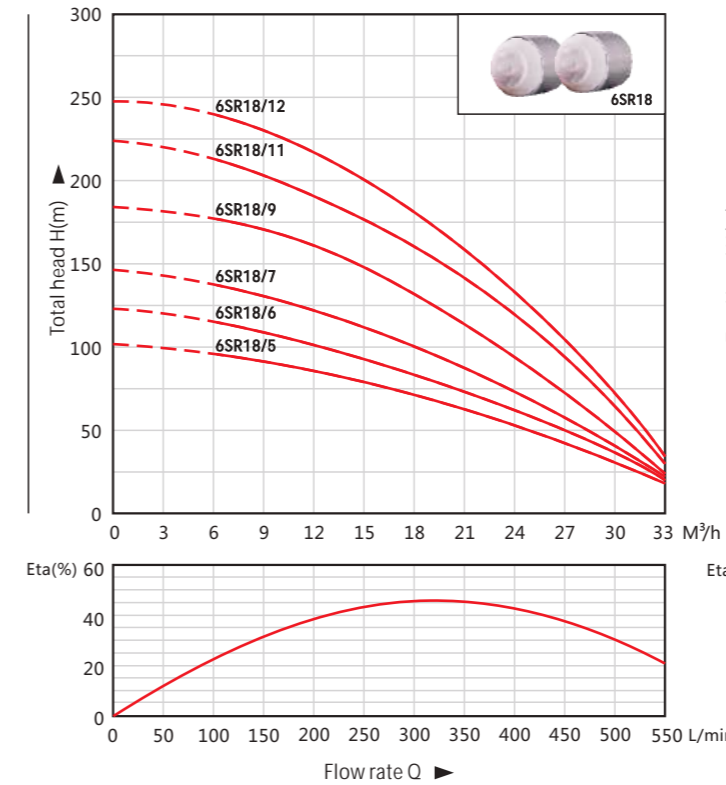
Material

- Stainless steel
- Stainless steel
- AISI304 SS
- Stainless steel
- POM
- Stainless steel+PC
- C&U, NSK if request
- Ceramic /Graphite, SIC/Graphite or Alloy Graphite if request
- Cast iron, Stainless steel if request
- AISI304 SS / 201 SS
- Cast iron, Stainless steel if request

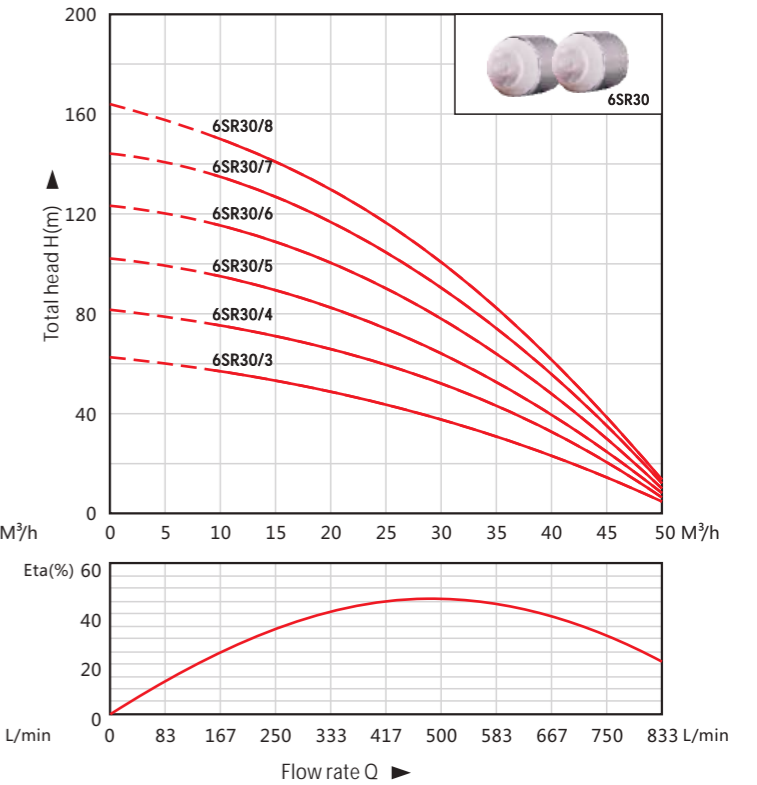


6SR

PERFORMANCE CHART AT N=3450RPM



PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m ³ /h)	Q(l/min)											
	kW	HP		0	3	6	9	12	15	18	21	24	27	30	33
Three-phase			H(m)	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 (P ₂)		Q(m ³ /h)	Q(l/min)											
	kW	HP		0	5	10	15	20	25	30	35	40	45	50	
Three-phase			H(m)	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.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Rewindable motor
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ NEMA dimension standards
- ※ Three-phase 220V-240V/60Hz , 380V-415V/60Hz

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**

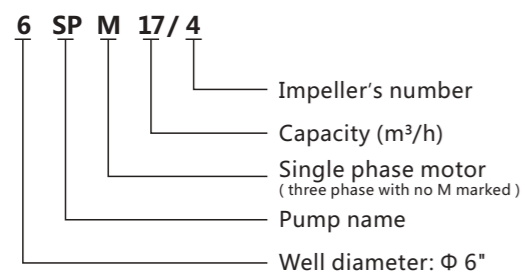
Options on request

- ※ 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"

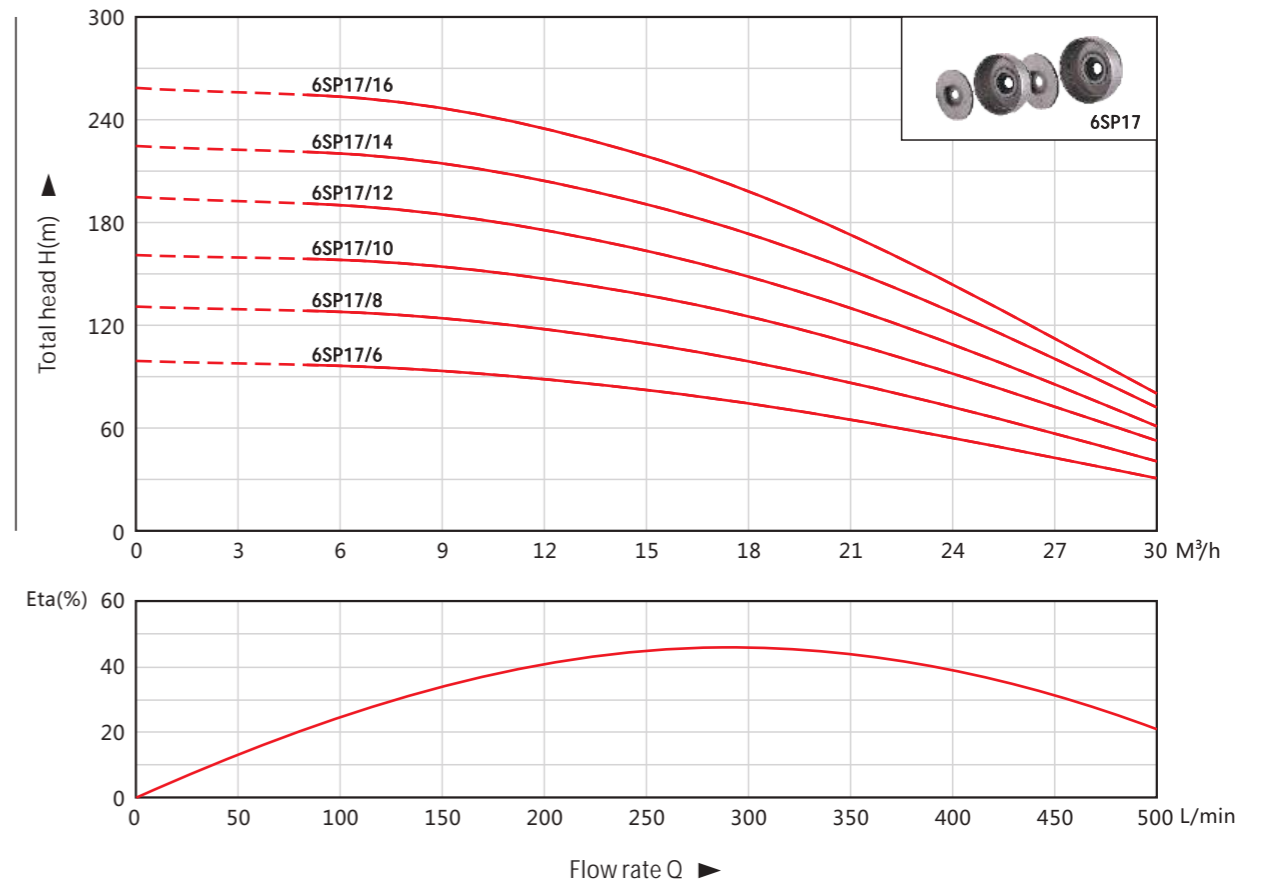
Components

- ※ **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

Material



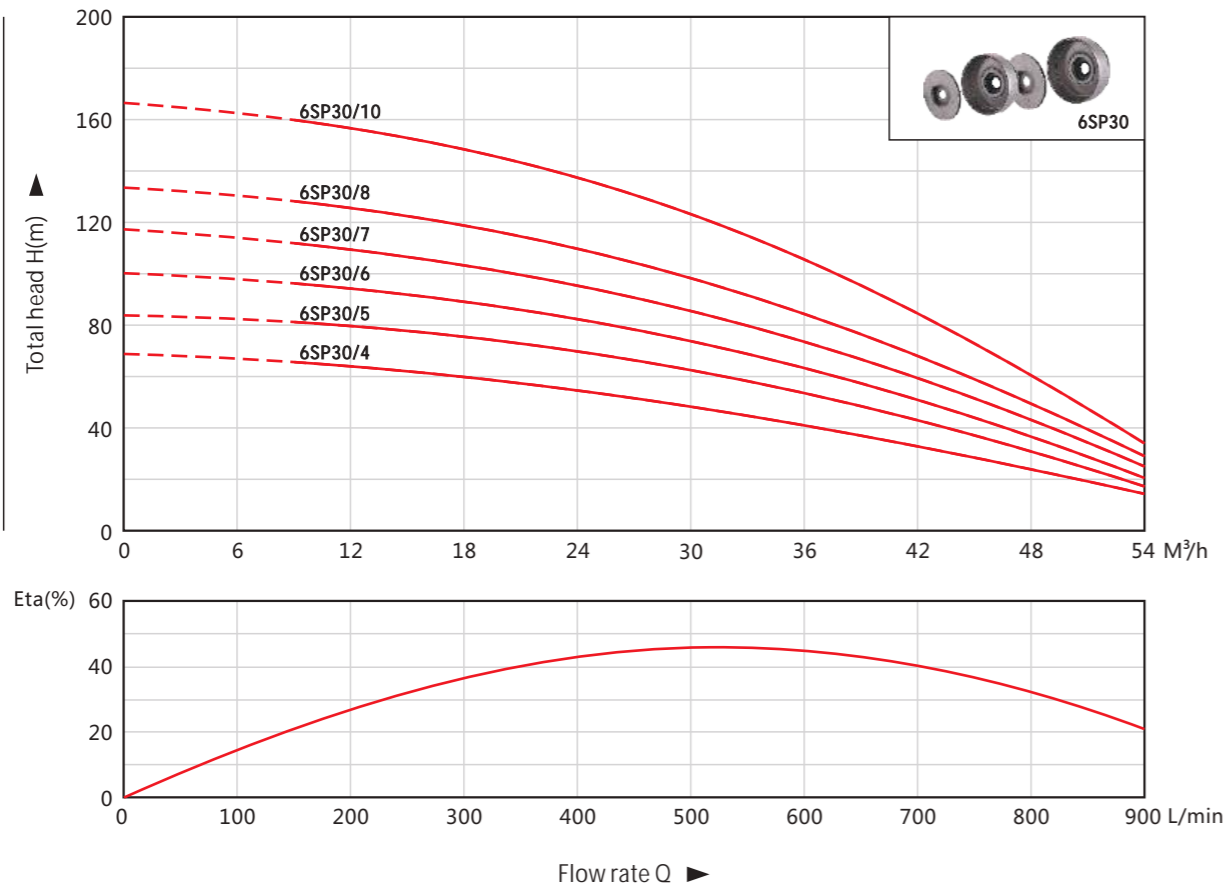
PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m ³ /h)												
	kW	HP	0	3	6	9	12	15	18	21	24	27	30		
6SP17/6	5.5	7.5	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		

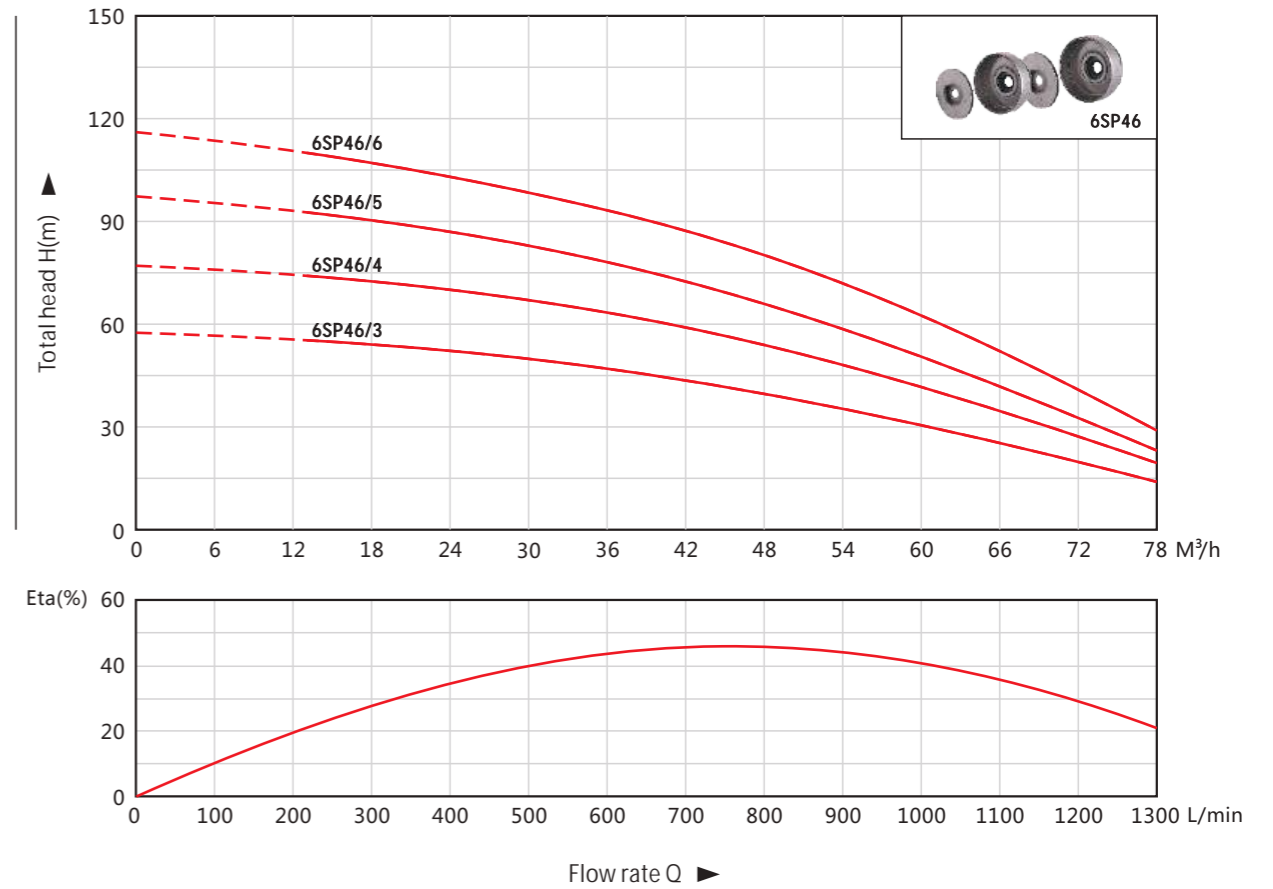
PERFORMANCE CHART AT N=3450RPM



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		Q(m³/h)	Q(l/min)											
	kW	HP		0	6	12	18	24	30	36	42	48	54		
Three-phase			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 (P ₂)		Q(m³/h)	Q(l/min)															
	kW	HP		0	6	12	18	24	30	36	42	48	54	60	66	72	78		
Three-phase			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

Motor and Pump

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

Operating conditions

- ※ Speed: **3450rpm**
- ※ Insulation class: **F**
- ※ Protection grade: **IP68**
- ※ Maximum fluid temperature up to **+35°C**
- ※ Minimum well diameter: **3"**

Options on request

- ※ Special mechanical seal
- ※ Single phase motor with built in capacitor

Warranty: 2 years

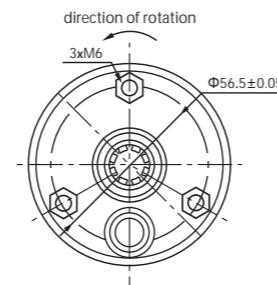
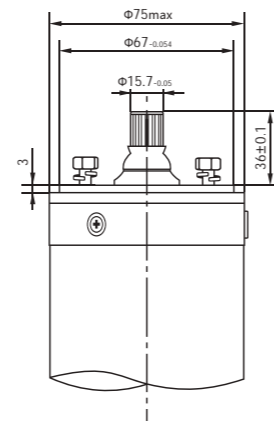
- ※ (according to our general sales conditions)

Components

- ※ **Motor external casing:**
- ※ **Top chock:**
- ※ **Bottom support:**
- ※ **Mechanical seal:**
- ※ **Shaft:**
- ※ **Seal lubricant oil:**

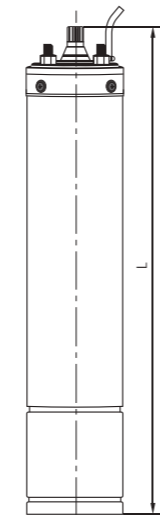
Material

AISI304 SS / 201 SS
①Cast-Cu ASTM C85500
②Cast-iron ASTM NO.30
AISI304 SS / 201 SS
Special seal for deep well
(Graphite-Ceramic)
AISI304 SS-ASTM 5140
Oil for food machinery and
pharmaceutic use.



3 S D M-0.18(N)

- Built-in capacitor (outboard capacitor with no N marked)
- Rated power
- Single phase (three phase with no M marked)
- Integrated motor
- Oil-filled rewindable motor
- Well Φ 3"



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
3SDM-0.18	0.18	0.25	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

Motor and Pump

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

Operating conditions

- ※ Speed: **3450rpm**
- ※ Insulation class: **F**
- ※ Protection grade: **IP68**
- ※ Maximum fluid temperature up to **+35°C**
- ※ Minimum well diameter: **4"**

Options on request

- ※ Special mechanical seal
- ※ Single phase motor with built-in capacitor

Warranty: 2 years

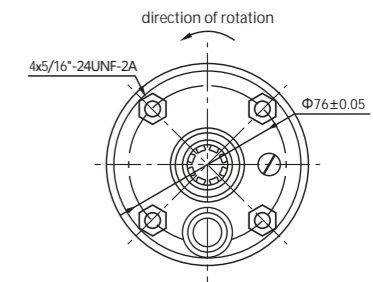
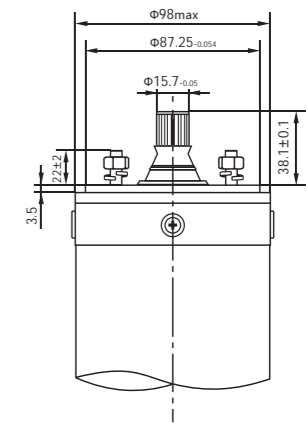
- ※ (according to our general sales conditions)

Components

- ※ **Motor external casing:**
- ※ **Top chock:**
- ※ **Bottom support:**
- ※ **Mechanical seal:**
- ※ **Shaft:**
- ※ **Seal lubricant oil:**

Material

AISI304 SS / 201 SS
①Cast-Cu ASTM C85500
②Cast-iron ASTM NO.30
③AISI304 SS / 201 SS
AISI304 SS / 201 SS
Special seal for deep well
(Graphite-Ceramic)
AISI304 SS-ASTM 5140
Oil for food machinery and
pharmaceutic use.



4 S D M-0.25(N)

- Built-in capacitor (outboard capacitor with no N marked)
- Rated power
- Single phase (three phase with no M marked)
- Integrated motor
- Oil-filled rewindable motor
- Well Φ 4"

5SR

Applications

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

Motor and Pump

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

Operating conditions

- ※ Speed: **3450rpm**
- ※ Insulation class: **F**
- ※ Protection grade: **IP68**
- ※ Maximum fluid temperature up to **+35°C**
- ※ Minimum well diameter: **5"**

Options on request

- ※ Special mechanical seal

Warranty: 2 years

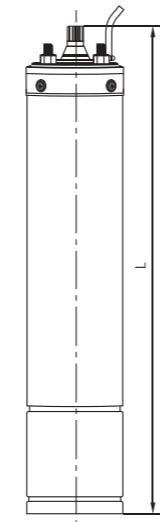
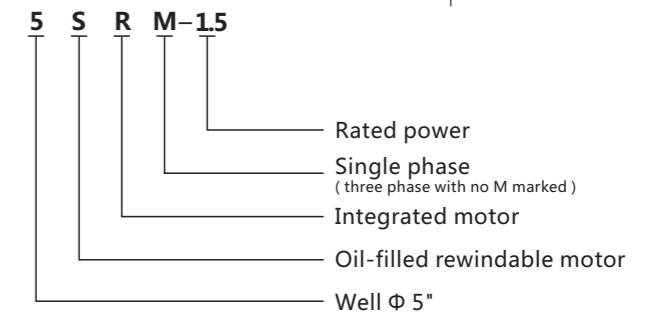
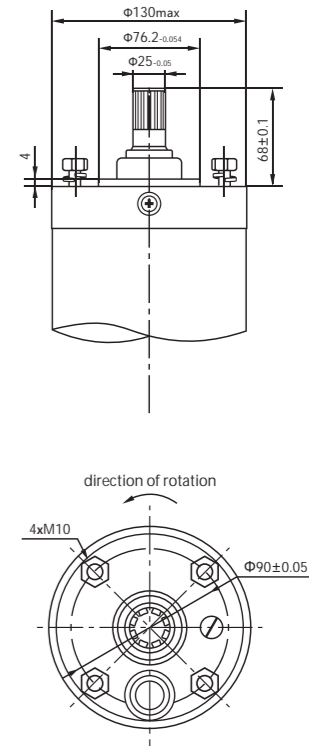
- ※ (according to our general sales conditions)

Components

- ※ **Motor external casing:**
- ※ **Top chock:**
- ※ **Bottom support:**
- ※ **Mechanical seal:**
- ※ **Shaft:**
- ※ **Seal lubricant oil:**

Material

- AISI304 SS / 201 SS
- ① Cast-Cu ASTM C85500
- ② Cast-iron ASTM NO.30
- AISI304 SS / 201 SS
- Special seal for deep well (Graphite-Ceramic)
- AISI304 SS-ASTM 5140
- Oil for food machinery and pharmaceutical use.



PERFORMANCE DATA 60Hz

Model	Power (P ₂)		I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
4SDM-0.25	0.25	0.33	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

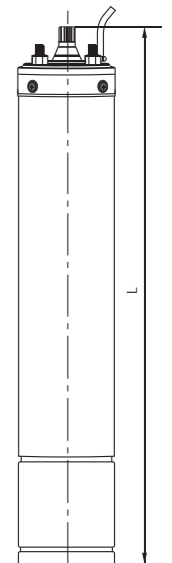
PERFORMANCE DATA 60Hz

Model	Power (P ₂)		I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
4SD-0.25	0.25	0.33	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

PERFORMANCE DATA 60Hz

Model	Power (P ₂)		I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
5SRM-1.5	1.5	2	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

Model	Power (P ₂)		I _n (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
5SR-1.5	1.5	2	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

Motor and Pump

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

Operating conditions

- ※ Speed: **3450rpm**
- ※ Insulation class: **F**
- ※ Protection grade: **IP68**
- ※ Maximum fluid temperature up to **+35°C**
- ※ Minimum well diameter: **6"**

Options on request

- ※ Special mechanical seal

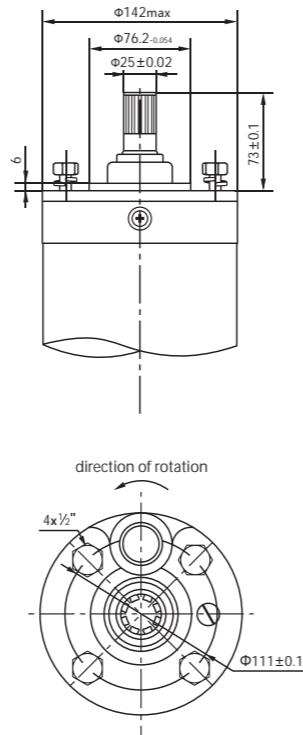
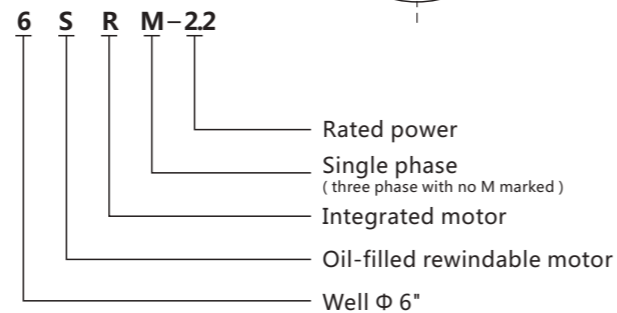
Warranty: 2 years

- ※ (according to our general sales conditions)

Components

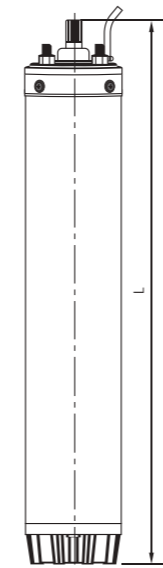
- ※ **MMotor external casing:** AISI304 SS / 201 SS
- ※ **Top chock:** Cast-iron ASTM NO.30
- ※ **Bottom support:** Cast-iron ASTM NO.30
- ※ **Seal:** NBR Carbon-SIC/TO
- ※ **Shaft:** AISI304 SS-ASTM 5140

Material

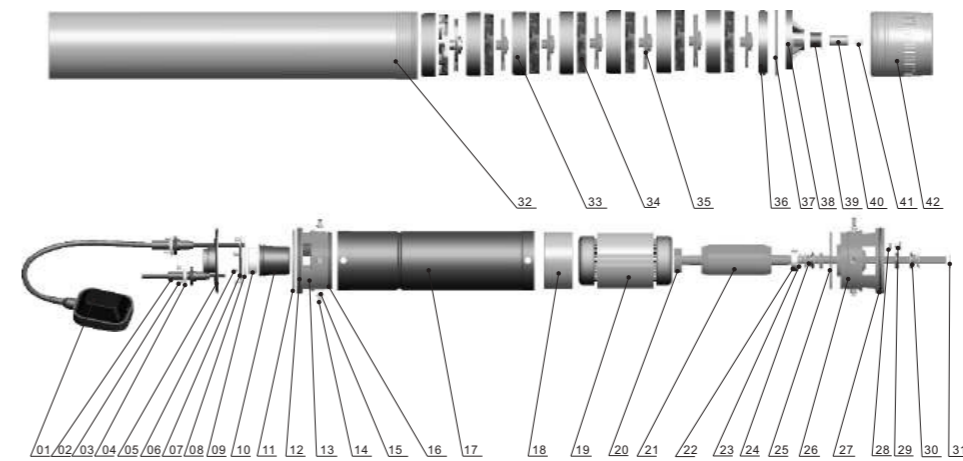


PERFORMANCE DATA 60Hz

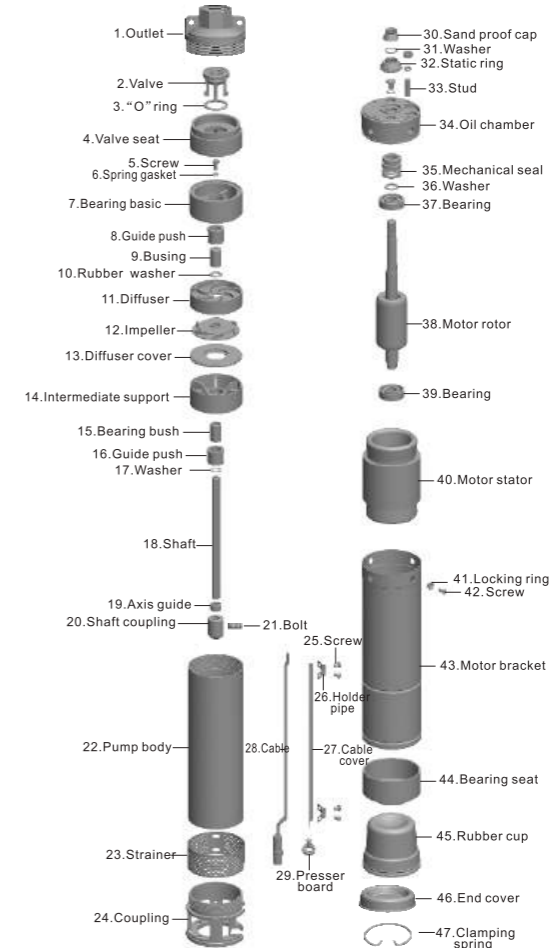
Model	Power (P ₂)		In (A)	cos ψ	η (%)	L (mm)	Weight (kg)
	kW	HP					
6SR-2.2	2.2	3	5.0	0.80	74	524	34.1
6SR-3.0	3	4	6.0	0.80	75	554	36.6
6SR-4.0	4	5.5	8.0	0.80	75	584	39.2
6SR-5.5	5.5	7.5	11.0	0.80	76	614	42.6
6SR-7.5	7.5	10	15.0	0.81	76.5	654	47.0
6SR-9.2	9.2	12.5	18.5	0.81	77	704	52.7
6SR-11	11	15	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



EXPLODE DRAWING



01. Float switch
02. Intrepolati
03. Platen screws
04. Cable line platen
05. Water
06. Cover screws
07. Sand-proof cover
08. Retaining ring
09. End cover
10. Rubber cup
11. O-ring
12. O-ring
13. Base
14. Screw
15. Locking ring
16. O-ring
17. Motor bracket
18. Bearing seat
19. Motor stator
20. Bearing
21. Motor rotor
22. Bearing
23. Washer
24. Mechanical seal
25. O-ring
26. Oil chamber
27. O-ring
28. O-ring
29. Vent cock
30. Mechanical seal
31. Circlips
32. Casing
33. Guide vane
34. Guide blade core
35. Impeller
36. Guide vane cover plate
37. O-ring
38. On the stand
39. Rubber bearing
40. Shaft sleeve
41. Screw
42. Inlet base



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



4SP2 Diffuser



4SP2 Impeller



Control box (Single phase)



Control box (Single phase)



Control box (Single phase)



AC/DC Motor controller



DC Motor controller



AC/DC Motor controller



DC Motor controller

