SHIMGE®
for better life

General Catalogue

SHIMGE PUMP INDUSTRY (ZHEJIANG) CO., LTD.

60Hz

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CATALOG

Submersible Pump for Deep Well

Submersible Pump

Peripheral Pumps

Self-Priming Peripheral Pumps

Automatic Self-Priming Peripheral Pumps

Centrifugal Pumps

Self-Priming JET Pumps

Stainless Steel Multi-Stage Centrifugal Pump

Circulation Pump

About Shimge

Founded in 1984 and headquartered in Daxi Town, Wenling City, Zhejiang Province, Shimge Pump Industry (Zhejiang) Co., Ltd. is a limited liability company specialized in the technical research and manufacturing of various pumps, control equipment, and other pump-related products. Shimge currently owns 6 major brands, 14 product lines, over 2,000 product specifications, and 13 subsidiaries.

Shimge's production base in HangZhou, Zhejiang Province

Shimge's production base in SanChiku, Wenling, Zhejiang Province

Shimge's casting parts production base in JiangSu Province

Shimge's casting production base in JiangXi Province

Shimge's casting production base in JiangSu Province

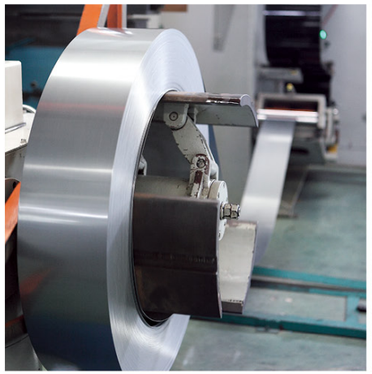
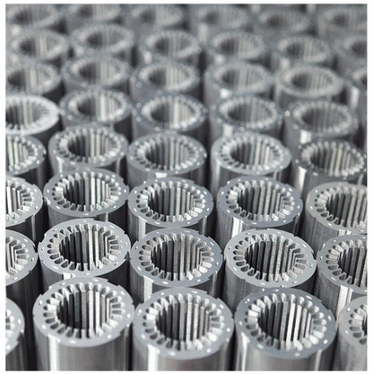
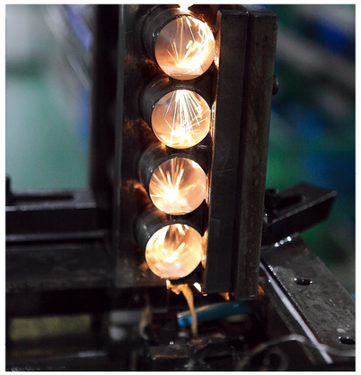
High Quality Production

FOR BETTER LIFE

Shimge sticks on the comprehensive innovation on R&D and production process which commits to improve the production process and efficiency.



On one hand, we strengthen the professional skill of workers by sustaining training, and on the other, we put into the robot automatic production machine instead of manual work. By those ways, we have not only reduced the manufacturing cost, but also improved the product quality and stability.

Strict Quality Control

FOR BETTER LIFE

Since its establishment, Shimge has always actively promoted comprehensive “lean” quality and environment management, and has currently passed ISO9001, ISO14001 and OHSAS18001 certification, introduced excellent performance management in line with GB/T 19580 and established a sound quality assurance system.

SHIMGE has equipped an industry-leading physicochemical testing center,
and its delivery performance inspection platform has reached a precision of grade B (grade 1) in the evaluation conducted by an authoritative agency.
In addition, its products have passed GS, CE and UL certification, and met the specifications of the RoHS Directive.

2.5"Deep Well Pumps

2.5SGm

Performance Range

Max. Flow: 3m³/h
Max. Head: 110m

Application Limits

◎ Max. ambient temperature 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

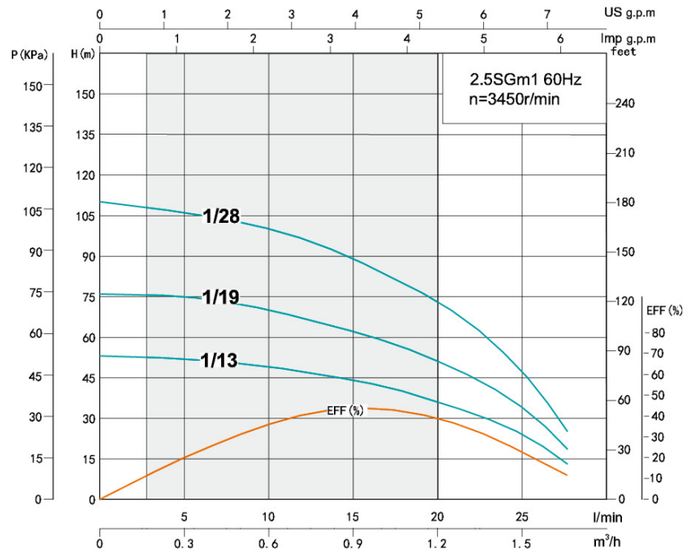
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with capacitor &current mode thermal protector, convenient for replacement;
◎ Installation in 2.5" or larger boreholes;
◎ Brass oil chamber.

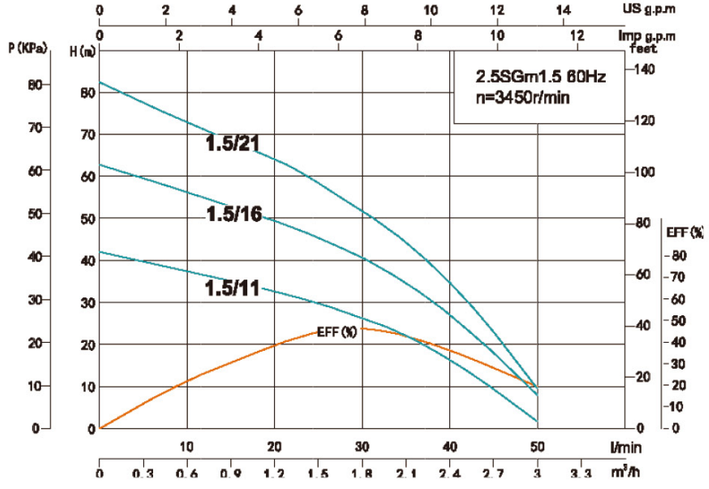
Model Instruction

2.5 SG m 1 / 13

- 13 — Number of Stages
- 1 — Rated Flow(m³/h)
- m — Single-phase
- SG — Type Range
- 2.5 — Minimum Suit Boreholes（Inch）

Performance Curve

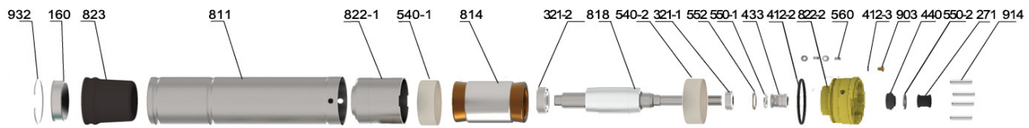


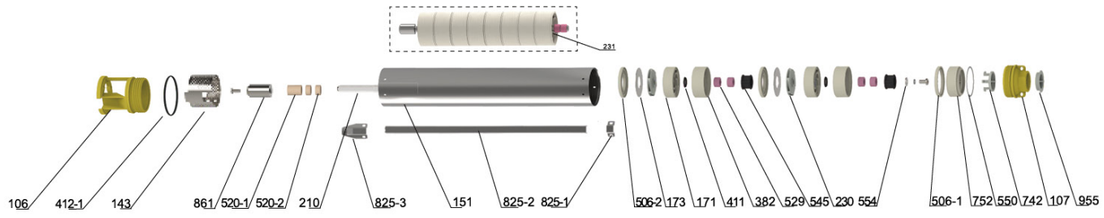


Model	Power		Rate Current (A)		Flow								Head Range (m)
Single-Phase	kW	HP			m^3/h	0	0.3	0.6	0.9	1.2	1.5	1.8	
127V/220V			127V	220V	l/min	0	5	10	15	20	25	30	
2.5SGm1/13	0.25	0.33	4.3	2.3		52	51	49	44	36	24	2	51~33
2.5SGm1/19	0.37	0.5	5.8	3	H(m)	75	74	69	62	51	34	2	74~44
2.5SGm1/28	0.55	0.75	7.9	3.8		110	106	98	88	82	45	3	106~68

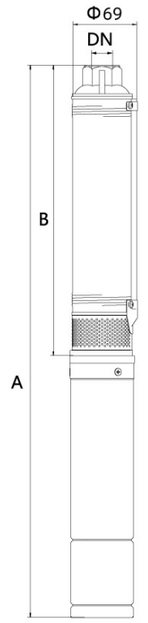
Model	Power		Rate Current (A)		Flow											Head Range (m)
Single-Phase	kW	HP			m^3/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	
127V/220V			127V	220V	l/min	0	5	10	15	20	25	30	35	40	45	50	
2.5SGm1.5/11	0.25	0.33	4.3	2.3		42	40	37	35	33	29	26	22	16	9	2	39~22
2.5SGm1.5/16	0.37	0.5	5.8	3	H(m)	62	60	56	53	49	44	41	35	27	18	8	59~36
2.5SGm1.5/21	0.55	0.75	7.9	3.8		81	77	73	68	64	57	52	44	35	23	10	76~45

Components & Materials





No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	433	Mechanical seal	811	Casing
107	Delivery chamber	440	Anti-sand seat	814	Stator core with winding
143	Net cover	506-1	Valve seat ring	818	Rotor
151	Sleeve	506-2	Inlet joint ring	822-1	Lower bearing block
160	Bottom cover	520	Spacer bush	822-2	Oil chamber
171	Guide vane	520	Spacer bush	823	Pressure regulating film
173	Stainless steel cover plate	529	Ceramic shaft sleeve	825-1	Small pressing plate
210	Pump shaft	540-1	Insulating paper	825-2	Cable pressing plate
230	Impeller	540-2	Insulating paper	825-3	Small pressing plate
231	Impeller string	545	Middle rubber bearing	861	Coupling
271	Anti-sand sleeve	550	Adjusting washer	903	Vent cock
321-1	Deep groove ball bearing	550-1	Flat washer	914	Hexagon socket set screw
321-2	Deep groove ball bearing	550-2	Anti-sand pad	932	Retaining ring
382	Middle bearing block	552	Wave spring	955	Dust cover
411	Wear washer	554	Flat washer		
412-1	O-ring	560	Locating sleeve		
412-2	O-ring	742	Bonnet		
412-3	O-ring	752	Valve seat		



Dimensions & Weight

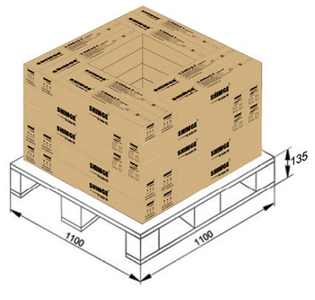
Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
2.5SGm1/13	G1/NPT1	429	770	1.8	4.3
2.5SGm1/19		571	952	2.4	5.2
2.5SGm1/28		746	1177	3.2	6.2

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
2.5SGm1.5/11	G1/NPT1	457	798	1.8	4.3
2.5SGm1.5/16		614	995	2.4	5.2
2.5SGm1.5/21		747	1178	2.8	6.2

Packing Size & Weight

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
2.5SGm1/13	1100*80*185	8.1	1595
2.5SGm1/19	1300*80*185	9.6	1351
2.5SGm1/28	1500*80*185	11.4	1171

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
2.5SGm1.5/11	1100*80*185	8.1	1595
2.5SGm1.5/16	1300*80*185	9.6	1351
2.5SGm1.5/21	1500*80*185	11.0	1171



3"Deep Well Pumps

3SGm

Performance Range

Max. Flow: 4.2m³/h
Max. Head: 131m

Application Limits

◎ Max. ambient temperature 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

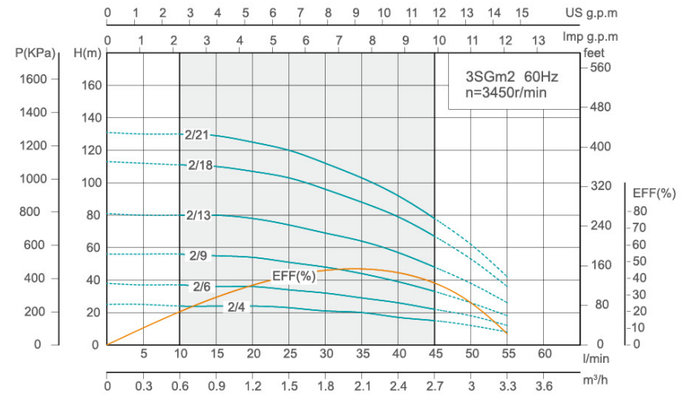
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with start box which built in capacitor &current mode thermal protector, convenient for replacement;
◎ Pump sleeve with screw thread, single stage floating impellers;
◎ Installation in 3" or larger boreholes.

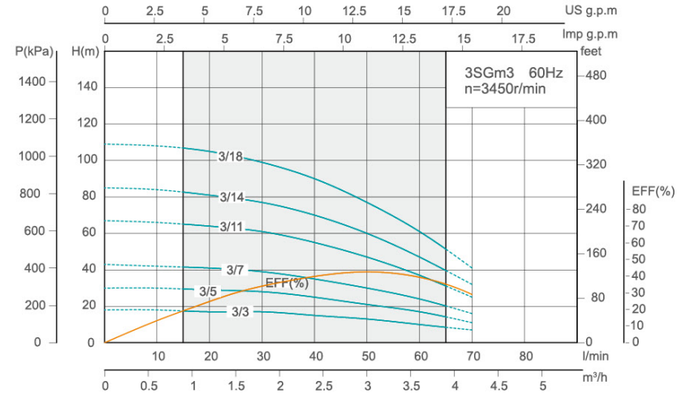
Model Instruction

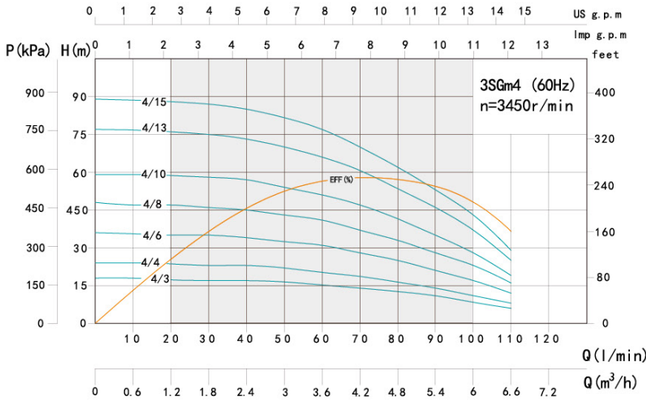
3 SG m 2 / 4

- 4 — Number of Stages
- 2 — Rated Flow(m³/h)
- m — Single-phase
- SG — Type Range
- 3 — Minimum Suit Boreholes（Inch）

Performance Curve





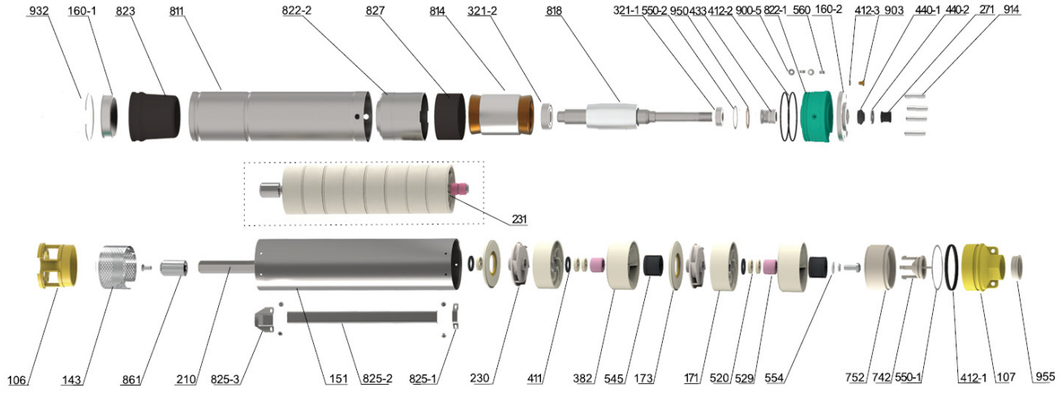


Model	Power		Rate Current (A)		Flow												Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	
127V/220V			127V	220V	l/min	0	5	10	15	20	25	30	35	40	45	50	55	
3SGm2/4	0.18	0.25	3.4	1.7	H(m)	25.1	25	24.3	24.1	24	23	21	19	17	15	12	8	24~15
3SGm2/6	0.25	0.33	4.6	2.3		38	37.4	37	36.2	36	34	32	29	26	22	18	12	37~22
3SGm2/9	0.37	0.5	6.6	3.3		56.2	56.1	56	55	54	51	48	44	39	33	26	18	56~33
3SGm2/13	0.55	0.75	9.2	4.6		81	80.2	80.1	80	78	74	69	64	57	48	38	26	80~48
3SGm2/18	0.75	1	12	6		113	112	111	110	107	103	96	88	79	67	53	36	111~67
3SGm2/21	1.1	1.5	16.8	8.4		131	130.1	130	129	125	120	112	103	92	78	62	42	130~78

Model	Power		Rate Current (A)		Flow									Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
127V/220V			127V	220V	l/min	0	10	20	30	40	50	60	70	
3SGm3/3	0.18	0.25	3.4	1.7	H(m)	18.1	18	17.2	17	15	13	10	7	17.5~8.5
3SGm3/5	0.25	0.33	4.6	2.3		30.1	30	29	28	25	21	17	11	29.5~14
3SGm3/7	0.37	0.5	6.6	3.3		43	42	41	39	35	30	24	16	41.5~20
3SGm3/11	0.55	0.75	9.2	4.6		67	66	64	61	55	47	37	25	65~31
3SGm3/14	0.75	1	12	6		85	84	81	77	70	60	47	32	82.5~40
3SGm3/18	1.1	1.5	16.8	8.4		109	108	105	99	90	77	61	41	107~51

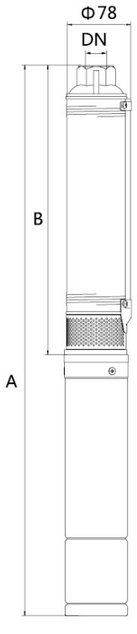
Model	Power		Rate Current (A)		Flow													Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	
127V/220V			127V	220V	l/min	0	10	20	30	40	50	60	70	70	80	90	100	
3SGm4/3	0.18	0.25	3.7	2.2	H(m)	18	18	17	17	17	17	15	14	12	11	8	6	17~11
3SGm4/4	0.25	0.33	5.0	3.1		24	24	23	23	23	22	20	19	16	14	11	8	23~14
3SGm4/6	0.37	0.5	7.1	4.11		36	35	35	35	34	32	31	28	25	21	17	12	35~21
3SGm4/8	0.55	0.75	9.4	5.4		48	47	47	46	45	43	41	97	33	28	23	16	47~28
3SGm4/10	0.75	1	11.4	6.6		59	59	58	58	57	54	51	47	41	35	28	19	58~35
3SGm4/13	0.92	1.25	14.4	7.9		77	77	76	75	74	70	66	61	53	46	97	25	76~46
3SGm4/15	1.1	1.5	16.9	9.2		89	88	88	87	85	81	77	70	62	53	43	29	88~53

Components & Materials



No.	Part name	No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	321-1	Deep groove ball bearing 6202	545	Rubber bearing	825-1	Small pressing plate
107	Delivery chamber	321-2	Deep groove ball bearing 6003	550-1	Adjusting washer	825-2	Cable pressing plate
143	Net cover	382	Bearing block	550-2	Flat washer	825-3	Small pressing plate
151	Sleeve	411	Wear washer	554	Flat washer	827	Lower spacer sleeve
160-1	Bottom cover	412-1	O-ring	560	Locating sleeve	904	Vent cock
160-2	Cover plate	412-2	O-ring	742	Bonnet	904	Vent cock
171	Guide vane	412-3	O-ring	752	Valve seat	914	Hexagon socket flat point set screw
173	Guide vane cover plate	433	Mechanical seal	814	Stator core with winding	932	Retaining ring
210	Pump shaft	440-1	Anti-sand seat	818	Rotor	950	Wave spring
230	Impeller	440-2	Anti-sand pad	822-1	Oil chamber	955	Dust cover
231	Impeller string	520	Spacer bush	822-2	Lower bearing block		
271	Anti-sand sleeve	529	Shaft sleeve	823	Pressure regulating film		

Dimensions & Weight



Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SGm2/4	G1/NPT1	261	558	1.6	3.9
3SGm2/6		306	627	1.9	4.6
3SGm2/9		373	724	2.2	5.4
3SGm2/13		486	878	2.9	6.3
3SGm2/18		598	1020	3.4	7.1
3SGm2/21		665	1172	3.8	9.3

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SGm3/3	G1/NPT1	245	542	0.9	3.9
3SGm3/5		294	616	1.2	4.6
3SGm3/7		343	694	1.5	5.4
3SGm3/11		465	856	1.9	6.3
3SGm3/14		538	960	2.3	7.1
3SGm3/18		636	1150	2.7	9.3

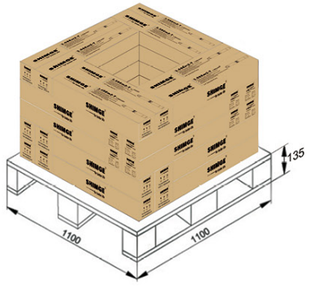
Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SGm4/3	G1¼ /NPT1¼	242	297	1.4	3.9
3SGm4/4		273	322	1.5	4.6
3SGm4/6		336	352	1.6	5.4
3SGm4/8		398	392	1.9	6.3
3SGm4/10		461	422	2.0	7.1
3SGm4/13		555	462	2.2	8.5
3SGm4/15		642	507	2.9	9.3

Packing Size & Weight

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SGm2/4	850×90×185	6.5	1780
3SGm2/6	920×90×185	7.5	1610
3SGm2/9	1010×90×185	8	1590
3SGm2/13	1180×90×185	10	1380
3SGm2/18	1325×90×185	11.5	1230
3SGm2/21	1465×90×185	14	905

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SGm3/3	850×90×185	6	1920
3SGm3/5	920×90×185	7.5	1770
3SGm3/7	995×90×185	8	1630
3SGm3/11	1180×90×185	10	1400
3SGm3/14	1265×90×185	11.5	1270
3SGm3/18	1435×90×185	14	1120

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SGm4/3	850×90×185	5.5	1840
3SGm4/4	920×90×185	6.5	1700
3SGm4/6	1010×90×185	7.5	1550
3SGm4/8	1100×90×185	9.0	1420
3SGm4/10	1180×90×185	10.0	1320
3SGm4/13	1325×90×185	11.5	1180
3SGm4/15	1470×90×185	13.0	1060



3"Deep Well Pumps

3SPm

Performance Range

Max. Flow: 6.9m³/h
Max. Head: 131m

Application Limits

◎ Max. ambient temperature 40℃ ;
◎ Sand content (in mass fraction)up to 0.01%;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

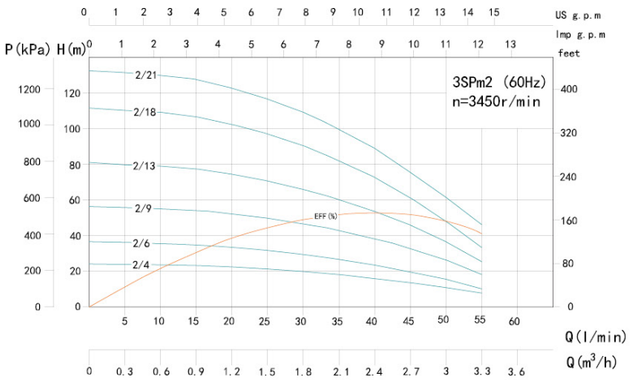
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with start box which built in capacitor &current mode thermal protector, convenient for replacement;
◎ Pump sleeve with screw thread, single stage floating impellers;
◎ Installation in 3" or larger boreholes.

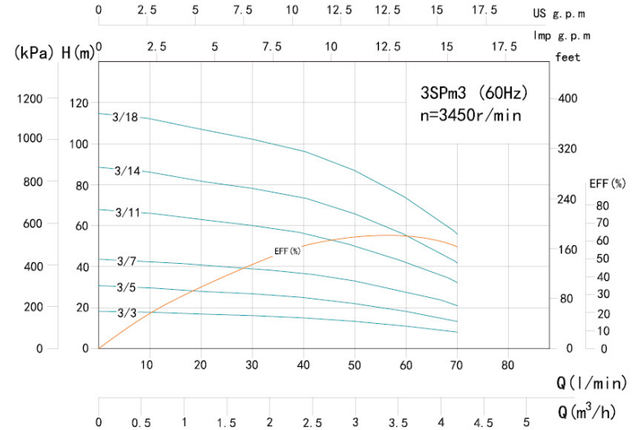
Model Instruction

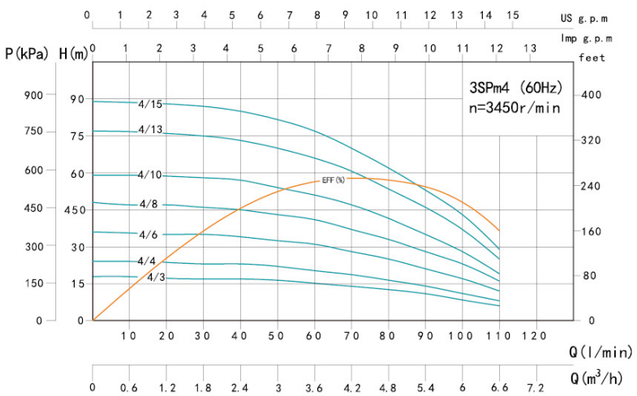
3 SPm 2 / 4

- 4 — Number of Stages
- 2 — Rated Flow(m³/h)
- SPm — Type Range
- 3 — Minimum Suit Boreholes（Inch）

Performance Curve





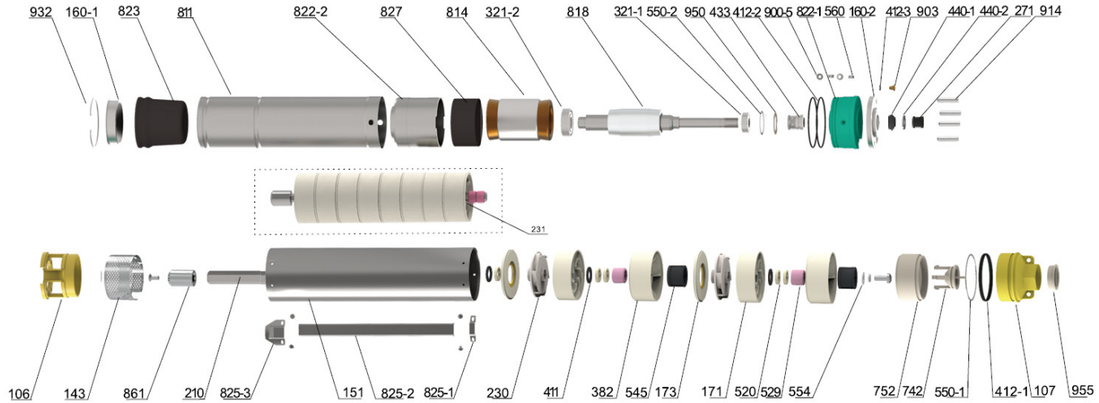


Model	Power		Rate Current (A)		Flow												Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	
127V/220V			127V	220V	l/min	0	5	10	15	20	25	30	35	40	45	50	55	
3SPm2/4	0.18	0.25	2.0	3.6	H(m)	24	23	23	23	22	21	19	18	15	13	10	7	23~13
3SPm2/6	0.25	0.33	2.8	4.8		36	36	35	34	33	31	29	26	23	19	15	10	35~19
3SPm2/9	0.37	0.5	4.1	6.7		56	55	55	54	52	49	46	42	38	32	26	18	54~23
3SPm2/13	0.55	0.75	5.6	9.5		81	79	78	77	74	70	66	59	53	46	36	25	78~32
3SPm2/18	0.75	1	7.1	13.4		111	110	109	106	101	97	90	81	73	59	46	33	101~43
3SPm2/21	1.1	1.5	7.9	16.0		132	130	129	127	122	116	109	100	88	75	61	46	129~56

Model	Power		Rate Current (A)		Flow									Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
127V/220V			127V	220V	l/min	0	10	20	30	40	50	60	70	
3SPm3/3	0.18	0.25	2.0	3.6	H(m)	18	17	16	16	15	13	10	8	17~9
3SPm3/5	0.25	0.33	2.9	5.1		30	29	27	26	25	21	18	13	28~15
3SPm3/7	0.37	0.5	4.2	7.1		43	42	40	37	36	31	27	19	41~24
3SPm3/11	0.55	0.75	6.1	10.2		68	66	62	60	56	50	43	33	63~33
3SPm3/14	0.75	1	7.4	13.6		88	86	81	78	73	65	55	41	82~42
3SPm3/18	1.1	1.5	8.7	17.1		114	112	106	102	96	86	74	56	108~57

Model	Power		Rate Current (A)		Flow													Head Range (m)
Single-Phase	kW	HP			m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	
127V/220V			127V	220V	l/min	0	10	20	30	40	50	60	70	70	80	90	100	
3SPm4/3	0.18	0.25	3.7	2.2	H(m)	18	18	17	17	17	17	15	14	12	11	8	6	17~11
3SPm4/4	0.25	0.33	5.0	3.1		24	24	23	23	23	22	20	19	16	14	11	8	23~14
3SPm4/6	0.37	0.5	7.1	4.11		36	35	35	35	34	32	31	28	25	21	17	12	35~21
3SPm4/8	0.55	0.75	9.4	5.4		48	47	47	46	45	43	41	97	33	28	23	16	47~28
3SPm4/10	0.75	1	11.4	6.6		59	59	58	58	57	54	51	47	41	35	28	19	58~35
3SPm4/13	0.92	1.25	14.4	7.9		77	77	76	75	74	70	66	61	53	46	97	25	76~46
3SPm4/15	1.1	1.5	16.9	9.2		89	88	88	87	85	81	77	70	62	53	43	29	88~53

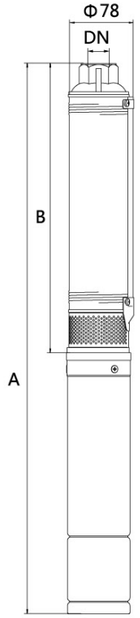
Components & Materials



No.	Part name	No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	321-1	Deep groove ball bearing 6202	545	Rubber bearing	825-1	Small pressing plate
107	Delivery chamber	321-2	Deep groove ball bearing 6003	550-1	Adjusting washer	825-2	Cable pressing plate
143	Net cover	382	Bearing block	550-2	Flat washer	825-3	Small pressing plate
151	Sleeve	411	Wear washer	554	Flat washer	827	Lower spacer sleeve
160-1	Bottom cover	412-1	O-ring	560	Locating sleeve	904	Vent cock
160-2	Cover plate	412-2	O-ring	742	Bonnet	904	Vent cock
171	Guide vane	412-3	O-ring	752	Valve seat	914	Hexagon socket flat point set screw
173	Guide vane cover plate	433	Mechanical seal	814	Stator core with winding	932	Retaining ring
210	Pump shaft	440-1	Anti-sand seat	818	Rotor	950	Wave spring
230	Impeller	440-2	Anti-sand pad	822-1	Oil chamber	955	Dust cover
231	Impeller string	520	Spacer bush	822-2	Lower bearing block		
271	Anti-sand sleeve	529	Shaft sleeve	823	Pressure regulating film		

Dimensions & Weight

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SPm2/4	G1/NPT1	261	558	1.6	3.9
3SPm2/6		306	627	1.9	4.6
3SPm2/9		373	724	2.2	5.4
3SPm2/13		486	878	2.9	6.3
3SPm2/18		598	1020	3.4	7.1
3SPm2/21		665	1172	3.8	9.3



Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SPm3/3	G1/NPT1	245	542	0.9	3.9
3SPm3/5		294	616	1.2	4.6
3SPm3/7		343	694	1.5	5.4
3SPm3/11		465	856	1.9	6.3
3SPm3/14		538	960	2.3	7.1
3SPm3/18		636	1150	2.7	9.3

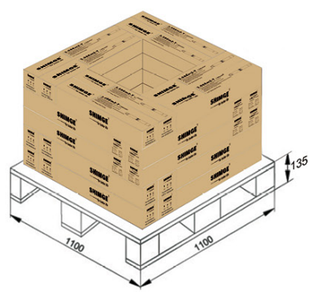
Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SPm4/3	G1¼ /NPT1¼	242	297	1.4	3.9
3SPm4/4		273	322	1.5	4.6
3SPm4/6		336	352	1.6	5.4
3SPm4/8		398	392	1.9	6.3
3SPm4/10		461	422	2.0	7.1
3SPm4/13		555	462	2.2	8.5
3SPm4/15		642	507	2.9	9.3

Packing Size & Weight

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SPm2/4	850×90×185	6.5	1780
3SPm2/6	920×90×185	7.5	1610
3SPm2/9	1010×90×185	8	1590
3SPm2/13	1180×90×185	10	1380
3SPm2/18	1325×90×185	11.5	1230
3SPm2/21	1465×90×185	14	905

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SPm3/3	850×90×185	6	1920
3SPm3/5	920×90×185	7.5	1770
3SPm3/7	995×90×185	8	1630
3SPm3/11	1180×90×185	10	1400
3SPm3/14	1265×90×185	11.5	1270
3SPm3/18	1435×90×185	14	1120

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SPm4/3	850×90×185	5.5	1840
3SPm4/4	920×90×185	6.5	1700
3SPm4/6	1010×90×185	7.5	1550
3SPm4/8	1100×90×185	9.0	1420
3SPm4/10	1180×90×185	10.0	1320
3SPm4/13	1325×90×185	11.5	1180
3SPm4/15	1470×90×185	13.0	1060



3"Deep Well Pumps

3SEm-T

Performance Range

Max. Flow: 4.2m³/h
Max. Head: 131m

Application Limits

◎ Max. ambient temperature 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

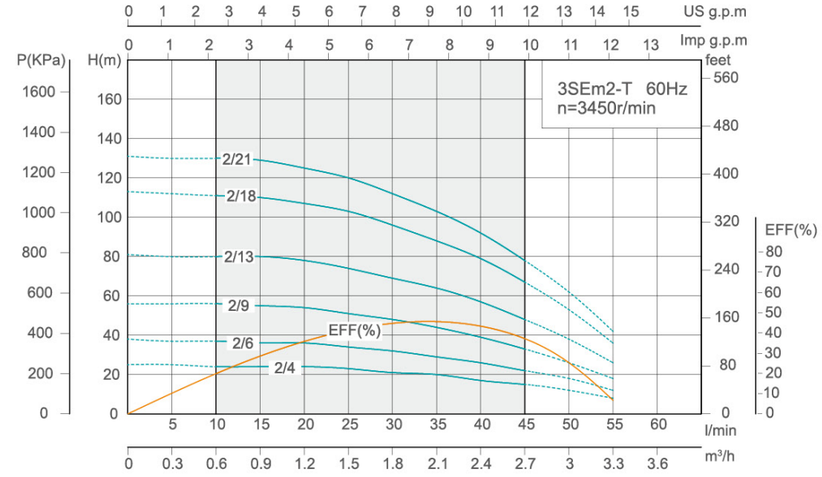
◎ Edible oil filled motor, stable & reliable running with pressure regulating membrane;
◎ Single phase motor with built in B Grade oil proofed capacitor &thermal mode protector;
◎ Available with pump casling with plug, single stage floating impellers;
◎ Installation in 3" or larger boreholes.

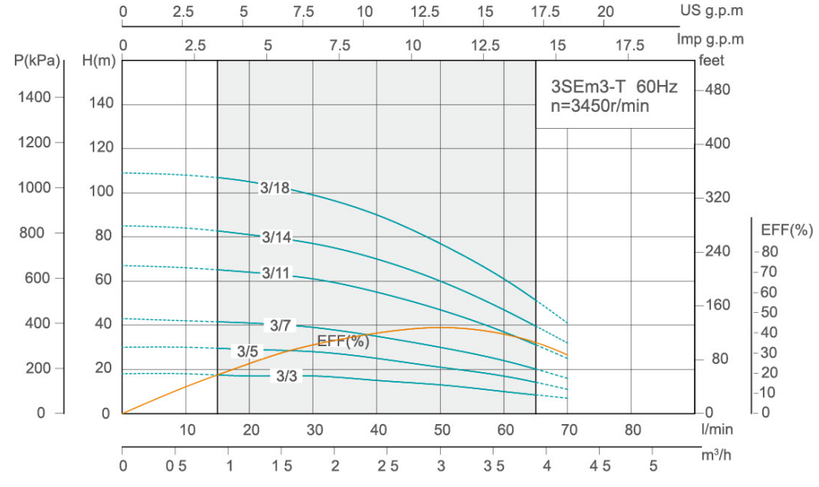
Model Instruction

3 SE m 2 / 4 T

- T: Cast Iron
- 4: Number of Stages
- 2: Rated Flow(m³/h)
- m: Single-phase
- SE: Type Range
- 3: Minimum Suit Boreholes（Inch）

Performance Curve

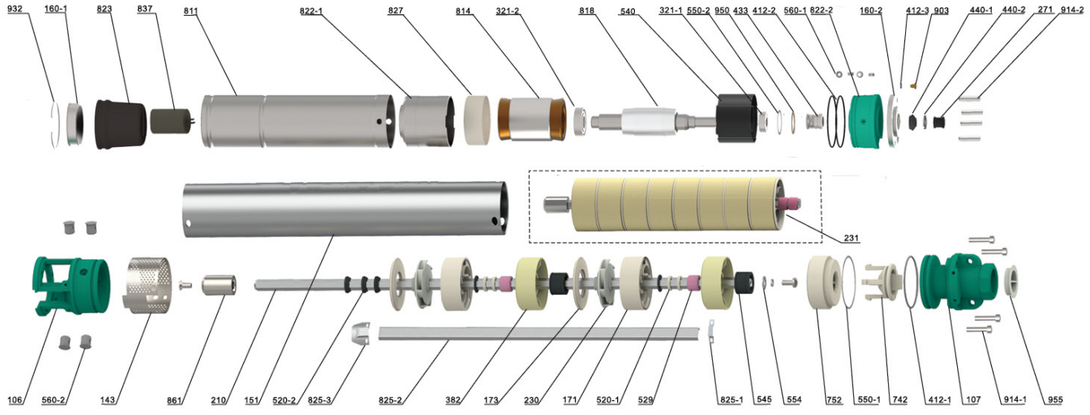




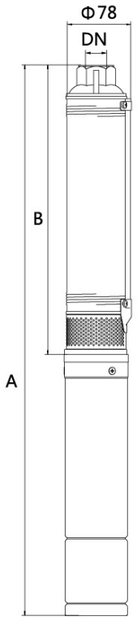
Model	Power		Rate Current (A)		Flow												Head Range (m)
Single-Phase	kW	HP			m^3/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	
127V/220V			127V	220V	l/min	0	5	10	15	20	25	30	35	40	45	50	55	
3SEm2/4T	0.18	0.25	3.4	1.7	H(m)	25.1	25	24.3	24.1	24	23	21	19	17	15	12	8	24~15
3SEm2/6T	0.25	0.33	4.6	2.3		38	37.4	37	36.2	36	34	32	29	26	22	18	12	37~22
3SEm2/9T	0.37	0.5	6.6	3.3		56.2	56.1	56	55	54	51	48	44	39	33	26	18	56~33
3SEm2/13T	0.55	0.75	9.2	4.6		81	80.2	80.1	80	78	74	69	64	57	48	38	26	80~48
3SEm2/18T	0.75	1	12	6		113	112	111	110	107	103	96	88	79	67	53	36	111~67
3SEm2/21T	1.1	1.5	16.8	8.4		131	130.1	130	129	125	120	112	103	92	78	62	42	130~78

Model	Power		Rate Current (A)		Flow								Head Range (m)
Single-Phase	kW	HP			m^3/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
127V/220V			127V	220V	l/min	0	10	20	30	40	50	60	70	
3SEm3/3T	0.18	0.25	3.4	1.7	H(m)	18.1	18	17.2	17	15	13	10	7	17.5~8.5
3SEm3/5T	0.25	0.33	4.6	2.3		30.1	30	29	28	25	21	17	11	29.5~14
3SEm3/7T	0.37	0.5	6.6	3.3		43	42	41	39	35	30	24	16	41.5~20
3SEm3/11T	0.55	0.75	9.2	4.6		67	66	64	61	55	47	37	25	65~31
3SEm3/14T	0.75	1	12	6		85	84	81	77	70	60	47	32	82.5~40
3SEm3/18T	1.1	1.5	16.8	8.4		109	108	105	99	90	77	61	41	107~51

Components & Materials



No.	Part name	No.	Part name	No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	231	Impeller string	440-2	Anti-sand pad	560-2	Locating pin	825-3	Small pressing plate
107	Delivery chamber	271	Anti-sand sleeve	520-1	Spacer bush	742	Bonnet	827	Insulating paper
143	Net cover	321-1	Deep groove ball bearing	520-2	Spacer bush	752	Valve seat	837	Capacitor
151	Sleeve	321-2	Deep groove ball bearing	529	Shaft sleeve	811	Casing	903	Vent cock
160-1	Bottom cover	382	Bearing block	540	Upper spacer sleeve	814	Stator core with winding	914-1	Hexagon socket head cap screw
160-2	Cover plate	412-1	O-ring	545	Rubber bearing	818	Rotor	914-2	Hexagon socket flat point set screw
171	Guide vane	412-2	O-ring	550-1	Adjusting washer	822-1	Lower bearing block	932	Retaining ring
173	Guide vane cover plate	412-3	O-ring	550-2	Flat washer	823	Pressure regulating film	950	Wave spring
210	Pump shaft	433	Mechanical seal	554	Flat washer	825-1	Small pressing plate	955	Dust cover
230	Impeller	440-1	Anti-sand seat	560-1	Locating sleeve	825-2	Cable pressing plate		



Dimensions & Weight

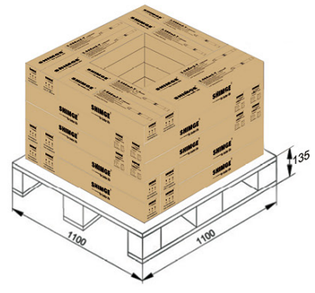
Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SEm2/4T	G1/NPT1	328	743	2	5.5
3SEm2/6T		373	812	2.3	6.2
3SEm2/9T		440	909	2.7	7
3SEm2/13T		553	1063	3.3	7.9
3SEm2/18T		665	1205	4	8.7
3SEm2/21T		732	1401	4.5	10.9

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Single-phase		B	A Single-Phase	Body(kg)	Motor(kg) M(Single-phase)
3SEm3/3T	G1/NPT1	322	737	1.8	5.5
3SEm3/5T		378	818	2.2	6.2
3SEm3/7T		434	903	2.6	7
3SEm3/11T		569	1079	3.5	7.9
3SEm3/14T		653	1192	4.1	8.7
3SEm3/18T		764	1433	4.9	10.9

Packing Size & Weight

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SEm2/4T	750×90×185	6.4	2040
3SEm2/6T	830×90×185	7.4	1870
3SEm2/9T	930×90×185	8.5	1670
3SEm2/13T	1080×90×185	10.2	1430
3SEm2/18T	1230×90×185	11.6	1260
3SEm2/21T	1370×90×185	14.3	1090

Model	Dim. (mm)	G.W.(kg)	20"LoadinE Qty.(pcs)
Single-phase	Pump(L×W×H)		
3SEm3/3T	750×90×185	6.3	2040
3SEm3/5T	830×90×185	7.3	1850
3SEm3/7T	910×90×185	8.2	1680
3SEm3/11T	1080×90×185	10	1410
3SEm3/14T	1180×90×185	11.1	1270
3SEm3/18T	1370×90×185	13.9	1060



4"Deep Well Pumps

4SG(m)

Performance Range

Max. Flow:24m³/h
Max. Head:422m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

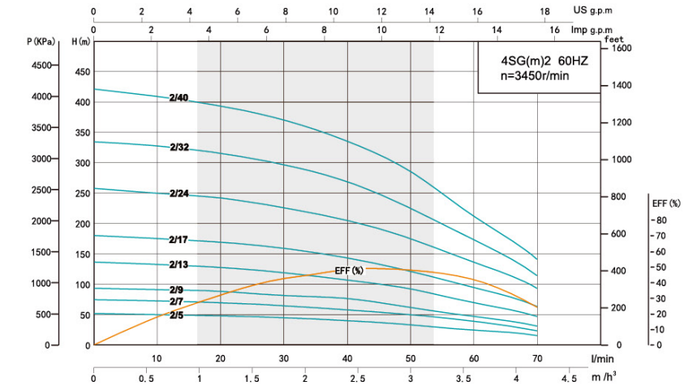
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with start box which built in capacitor &current mode thermal protector, convenient for replacement;
◎ Available with cable with a motor plug, disassemble conveniently;
◎ Pump sleeve with screw thread, single stage floating impellers, except 16 m³/hrs series which with integrated stage floating impellers;
◎ Installation in 4" or larger boreholes;

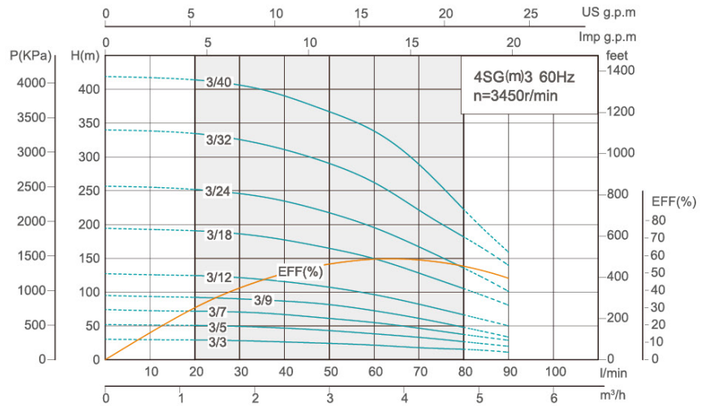
Model Instruction

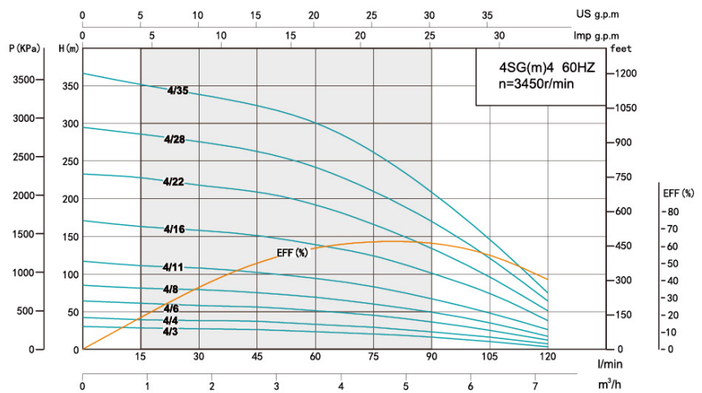
4 SG (m) 2 / 5

- 5 — Number of Stages
- 2 — Rated Flow(m³/h)
- (m) — Phase Code: m=Single-Phase, Blank = Three-Phase
- SG — Type Range
- 4 — Minimum Suit Boreholes（Inch）

Performance Curve







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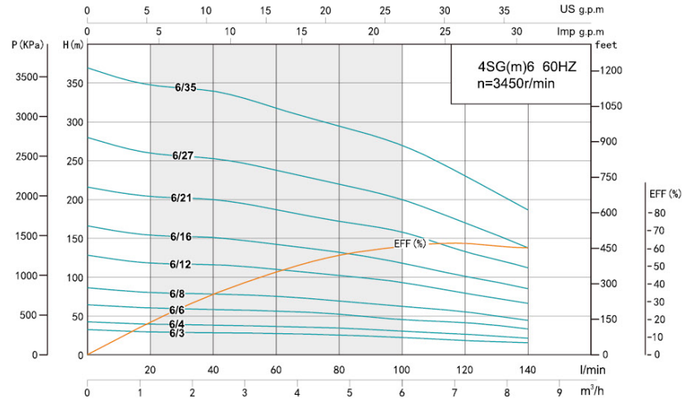
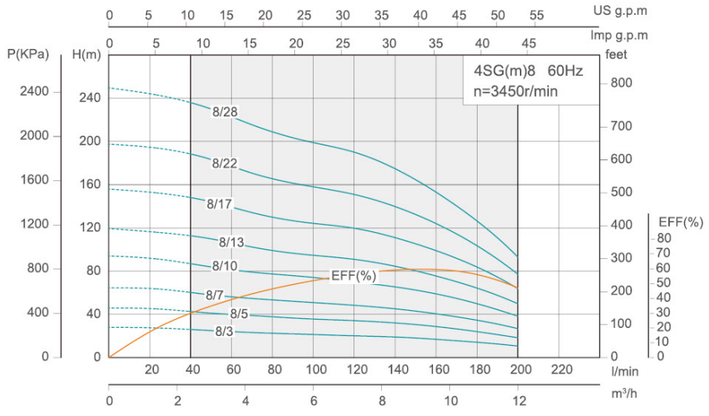
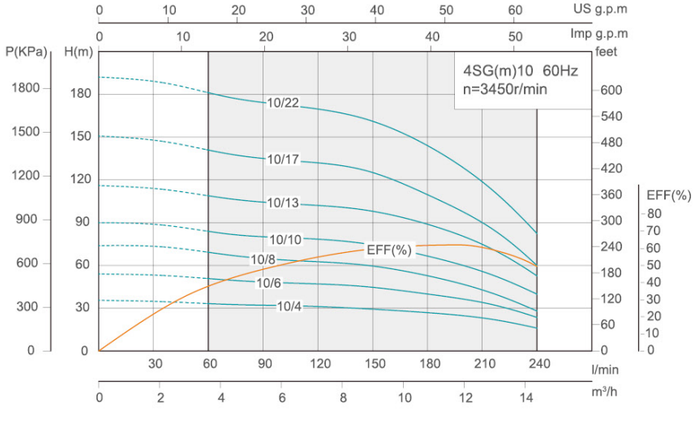
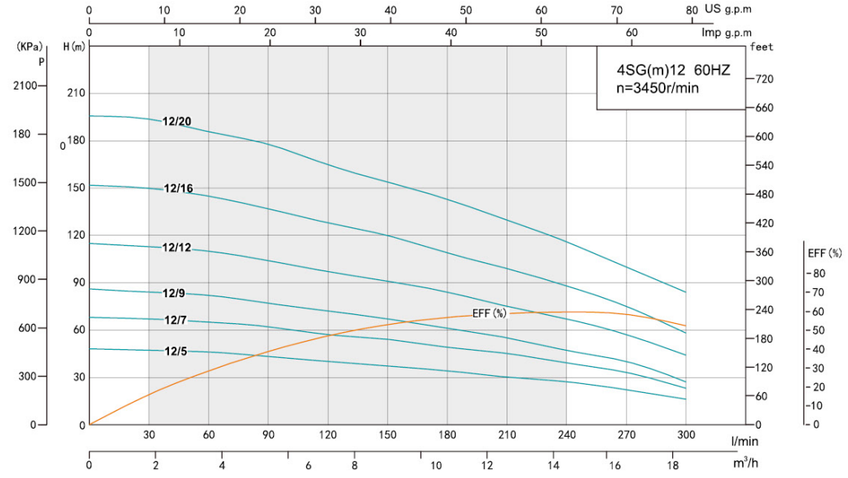
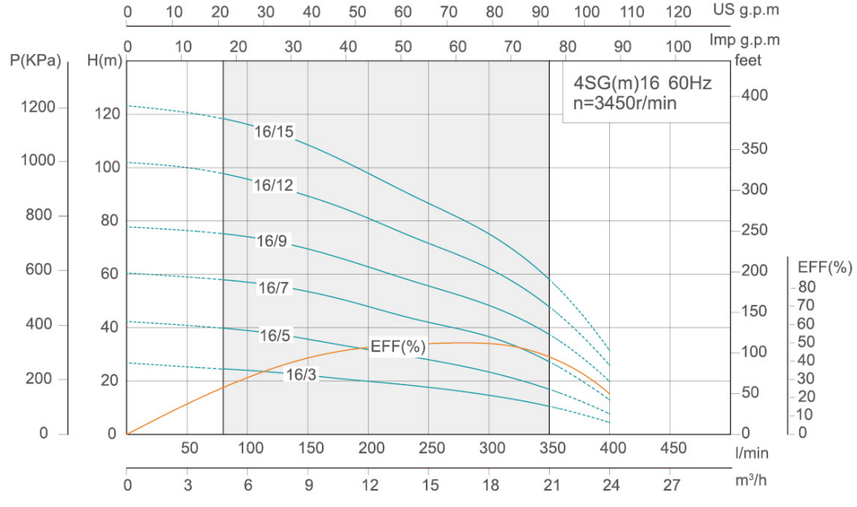






Performance Curve





Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	
4SGm2/5	-	0.37	0.5	7.2	3.5	-	-		52	50	48	45	40	33	24	15	49~29
4SGm2/7	-	0.55	0.75	10.0	4.8	-	-		75	73	70	65	58	50	39	23	70~46
4SGm2/9	4SG2/9	0.75	1	12.4	6.3	4.5	2.6		94	92	89	82	77	62	47	31	90~60
4SGm2/13	4SG2/13	1.1	1.5	18.0	8.3	6.1	3.5	H(m)	138	134	129	120	108	93	70	47	130~89
4SGm2/17	4SG2/17	1.5	2	-	11.3	7.6	4.4		180	175	169	159	143	121	94	63	170~110
4SGm2/24	4SG2/24	2.2	3	-	15.2	10.4	6.0		258	250	242	226	205	175	136	93	240~160
4SGm2/32	4SG2/32	3	4	-	21.0	14.1	8.1		335	328	316	297	269	225	173	114	310~188
4SGm2/40	4SG2/40	4	5.5	-	27.0	17.0	9.8		422	410	394	371	336	286	212	141	385~228

Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	80	90	
4SGm3/3	-	0.37	0.5	7.2	3.5	-	-		31	30.1	30	28	27	24	18	18	15	12	30~15
4SGm3/5	-	0.55	0.75	10.0	4.8	-	-		51	51	50	49	46	44	33	33	27	19	50~27
4SGm3/7	4SG3/7	0.75	1	12.4	6.3	4.5	2.6		75	72.2	72	70	67	62	46	46	37	28	72~37
4SGm3/9	4SG3/9	1.1	1.5	18.0	8.3	6.1	3.5		95	94	93	90	86	81	62	62	48	33	93~48
4SGm3/12	4SG3/12	1.5	2	-	11.3	7.6	4.4	H(m)	127	126	125	121	116	107	82	82	67	50	125~67
4SGm3/18	4SG3/18	2.2	3	-	15.2	10.4	6.0		194	193	191	186	177	165	128	128	105	81	191~105
4SGm3/24	4SG3/24	3	4	-	21.0	14.1	8.1		257	255	252	246	235	217	167	167	136	101	252~136
4SGm3/32	4SG3/32	4	5.5	-	27.0	17.0	9.8		340	339	335	326	311	290	221	221	182	140	335~182
-	4SG3/40	5.5	7.5	-	-	21.8	12.8		419	417	414	406	390	367	289	289	222	159	414~222

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	15	30	45	60	75	90	105	120	
4SGm4/3	-	0.37	0.5	7.2	3.5	-	-		30	28	27	26	23	20	16	10	3	27~16
4SGm4/4	-	0.55	0.75	10.0	4.8	-	-		42	39	38	37	33	29	23	16	7	29~24
4SGm4/6	4SG4/6	0.75	1	12.4	6.3	4.5	2.6		64	61	58	56	51	45	36	25	12	58~36
4SGm4/8	4SG4/8	1.1	1.5	18.0	8.3	6.1	3.5		85	81	79	75	69	60	49	35	17	80~49
4SGm4/11	4SG4/11	1.5	2	-	11.3	7.6	4.4	H(m)	117	111	108	102	94	83	67	48	26	109~69
4SGm4/16	4SG4/16	2.2	3	-	15.2	10.4	6.0		171	163	158	151	139	124	101	74	38	157~96
4SGm4/22	4SG4/22	3	4	-	21.0	14.1	8.1		233	228	218	209	192	166	134	96	51	207~122
4SGm4/28	4SG4/28	4	5.5	-	27.0	17.0	9.8		295	286	276	263	242	210	170	121	64	264~156
-	4SG4/35	5.5	7.5	-	-	21.8	12.8		367	352	339	324	301	262	209	146	75	335~198

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	
4SGm6/3	-	0.55	0.75	10.0	4.8	-	-		32	29	28	27	25	22	20	15	10	29~16
4SGm6/4	4SG6/4	0.75	1	12.4	6.3	4.5	2.6		42	39	38	36	34	30	26	21	15	38~21
4SGm6/6	4SG6/6	1.1	1.5	18.0	8.3	6.1	3.5		64	60	58	56	52	45	41	33	23	58~32
4SGm6/8	4SG6/8	1.5	2	-	11.3	7.6	4.4		86	80	78	75	69	62	55	44	33	79~44
4SGm6/12	4SG6/12	2.2	3	-	15.2	10.4	6.0	H(m)	128	118	116	110	102	93	79	66	49	116~66
4SGm6/16	4SG6/16	3	4	-	21.0	14.1	8.1		166	154	151	142	132	118	101	85	61	152~85
4SGm6/21	4SG6/21	4	5.5	-	27.0	17.0	9.8		216	204	200	187	172	158	133	112	82	200~110
-	4SG6/27	5.5	7.5	-	-	21.8	12.8		280	260	253	238	220	200	170	138	100	253~138
-	4SG6/35	7.5	10	-	-	34.3	20.4		370	348	340	318	295	270	231	187	141	338~188

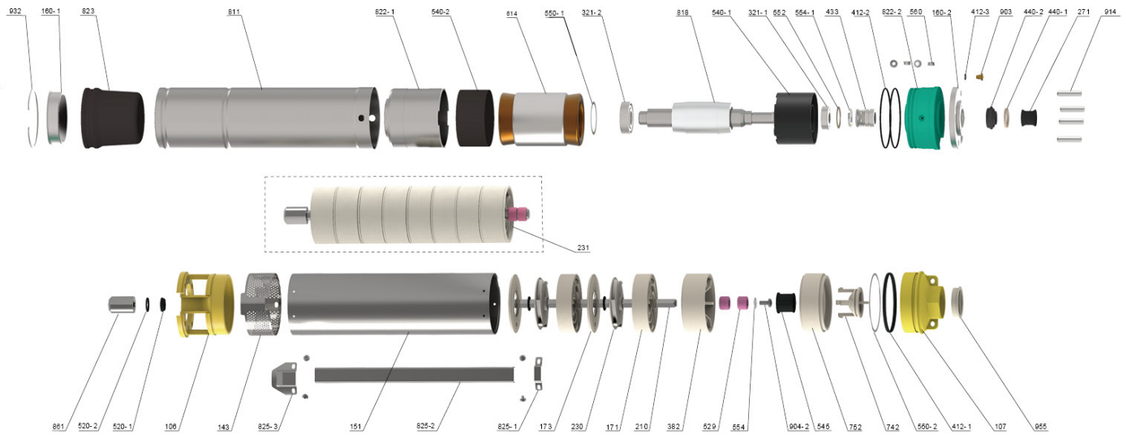
Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	180	200	
4SGm8/3	4SG8/3	0.75	1	12.4	6.3	4.5	2.6		28	27	26	24	23	21	20	19	17	14	11	26~11
4SGm8/5	4SG8/5	1.1	1.5	18.0	8.3	6.1	3.5		46	45	43	40	38	36	34	32	29	24	18	43~18
4SGm8/7	4SG8/7	1.5	2	-	11.3	7.6	4.4		65	64	60	56	53	51	48	45	41	35	27	60~27
4SGm8/10	4SG8/10	2.2	3	-	15.2	10.4	6.0		94	92	87	81	77	74	70	65	59	50	38	87~38
4SGm8/13	4SG8/13	3	4	-	21.0	14.1	8.1	H(m)	119	117	113	106	99	95	91	85	76	64	50	113~50
4SGm8/17	4SG8/17	4	5.5	-	27.0	17.0	9.8		156	153	148	140	130	124	120	113	99	84	64	148~64
-	4SG8/22	5.5	7.5	-	-	21.8	12.8		198	195	188	177	166	158	151	140	124	104	77	188~77
-	4SG8/28	7.5	10	-	-	34.3	20.4		250	244	236	223	209	199	190	175	153	126	93	236~93

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240	
4SGm10/4	4SG10/4	1.1	1.5	18.0	8.3	6.1	3.5		36	35	33	32	31	29	27	23	16	33~16
4SGm10/6	4SG10/6	1.5	2	-	11.3	7.6	4.4		54	53	51	48	47	45	40	34	24	51~24
4SGm10/8	4SG10/8	2.2	3	-	15.2	10.4	6.0		74	73	69	65	63	60	53	43	28	69~28
4SGm10/10	4SG10/10	3	4	-	21.0	14.1	8.1	H(m)	90	89	84	80	78	74	67	56	40	84~40
4SGm10/13	4SG10/13	4	5.5	-	27.0	17.0	9.8		116	114	109	105	102	98	89	75	53	109~53
-	4SG10/17	5.5	7.5	-	-	21.8	12.8		151	148	141	135	132	125	110	90	60	141~60
-	4SG10/22	7.5	10	-		34.3	20.4		192	189	181	174	170	161	144	119	82	181~82

Model		Power		Rate Current (A)				Flow												Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240	270	300	
4SGm12/5	4SG12/5	1.5	2	-	11.3	7.6	4.4		48	47	46	43	40	37	34	30	27	22	16	38~24
4SGm12/7	4SG12/7	2.2	3	-	15.2	10.4	6.0		68	67	65	62	57	54	49	45	39	33	23	55~35
4SGm12/9	4SG12/9	3	4	-	21.0	14.1	8.1		86	84	82	77	72	67	61	55	47	40	27	69~43
4SGm12/12	4SG12/12	4	5.5	-	27.0	17.0	9.8	H(m)	115	113	110	104	97	91	84	75	67	57	44	93~61
-	4SG12/16	5.5	7.5	-	-	21.8	12.8		152	150	145	137	128	120	109	99	88	75	58	123~80
-	4SG12/20	7.5	10	-	-	30.6	18.0		196	194	186	178	165	154	143	130	116	100	84	157~105

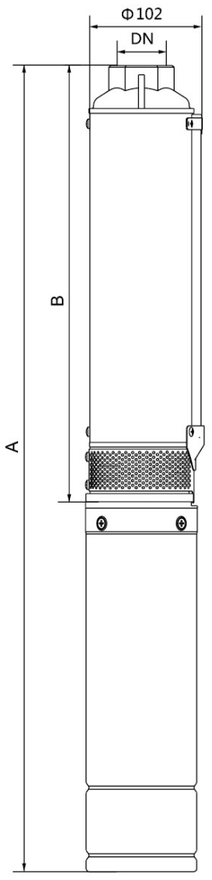
Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	3	6	9	12	15	18	21	24	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	50	100	150	200	250	300	350	400	
4SGm16/3	4SG16/3	1.5	2	-	11.3	7.6	4.4		27	25	24	22	20	18	15	11	5	25~11
4SGm16/5	4SG16/5	2.2	3	-	15.2	10.4	6.0		43	41	40	36	31	28	24	18	8	40~18
4SGm16/7	4SG16/7	3	4	-	21.0	14.1	8.1		61	60	57	54	48	42	36	27	13	58~27
4SGm16/9	4SG16/9	4	5.5	-	27.0	17.0	9.8	H(m)	78	77	74	70	63	55	48	37	20	75~37
-	4SG16/12	5.5	7.5	-	-	21.8	12.8		101	100	96	89	81	72	62	48	26	98~48
-	4SG16/15	7.5	10	-	-	34.3	20.4		123	121	116	108	98	87	75	58	31	118~58

Components & Materials



No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	412-2	O-ring	742	Bonnet
107	Delivery chamber	412-3	O-ring	811	Casing
143	Net cover	433	Mechanical seal	814	Stator core with winding
151	Sleeve	440-1	Anti-sand pad	818	Rotor
160-1	Bottom cover	440-2	Anti-sand seat	822-1	Lower bearing block
160-2	Cover plate	520-1	Spacer bush	822-2	Oil chamber
171	Guide vane	520-2	Spacer bush	823	Pressure regulating film
173	Guide vane cover plate	529	Shaft sleeve	825-1	Small pressing plate
210	Pump shaft	540-1	Upper spacer sleeve	825-2	Cable pressing plate
230	Impeller	540-2	Lower spacer sleeve	861	Coupling
231	Impeller string	545	Middle rubber bearing	903	Vent cock
271	Sand shaking sleeve	550-1	Adjusting washer	914	Hexagon socket set screw
321-1	Deep groove ball bearing	550-2	Adjusting washer	932	Retaining ring
321-2	Angular contact bearing	552	Wave spring	955	Dust cover
382	Middle bearing block	554	Flat washer		
412-1	O-ring	560	Locating pin		

Dimensions & Weight



Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm2/5	-	G1¼ NPT1¼	317	641	-	2.6	7.7	-
4SGm2/7	-		367	711	-	3.0	8.7	-
4SGm2/9	4SG2/9		417	786	834	3.4	9.8	9.7
4SGm2/13	4SG2/13		515	919	919	4.3	11.5	10.8
4SGm2/17	4SG2/17		615	1064	1077	5.0	13.6	11.4
4SGm2/24	4SG2/24		824	1333	1341	6.4	16.4	13.8
4SGm2/32	4SG2/32		1058	1752	1648	8.2	21.0	17.2
4SGm2/40	4SG2/40		1291	2045	1936	9.4	23.5	19.8

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm3/3	-	G1¼ NPT1¼	275	599	-	2.1	7.7	-
4SGm3/5	-		327	671	-	2.6	8.7	-
4SGm3/7	4SG3/7		379	748	738	3.0	9.8	9.7
4SGm3/9	4SG3/9		431	835	825	3.4	11.5	10.8
4SGm3/12	4SG3/12		510	959	925	4.0	13.6	11.4
4SGm3/18	4SG3/18		666	1175	1136	5.3	16.4	13.8
4SGm3/24	4SG3/24		892	1586	1424	6.7	21.0	17.2
4SGm3/32	4SG3/32		1101	1855	1688	8.5	23.5	19.8
-	4SG3/40		1344	-	2006	10.5	-	23.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm4/3	-	G1¼ NPT1¼	280	604	-	2.2	7.7	-
4SGm4/4	-		309	653	-	2.5	8.7	-
4SGm4/6	4SG4/6		367	736	785	3.0	9.8	9.7
4SGm4/8	4SG4/8		425	829	878	3.4	11.5	10.8
4SGm4/11	4SG4/11		512	962	975	4.0	13.6	11.4
4SGm4/16	4SG4/16		727	1236	1244	5.2	16.4	13.8
4SGm4/22	4SG4/22		901	1595	1491	6.7	21.0	17.2
4SGm4/28	4SG4/28		1110	1864	1755	8.3	23.5	19.8
-	4SG4/35		1314	-	2034	9.9	-	23.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm6/3	-	G1½ NPT1½	286	630	-	2.2	8.7	-
4SGm6/4	4SG6/4		318	687	735	2.5	9.8	9.7
4SGm6/6	4SG6/6		384	788	836	3.0	11.5	10.8
4SGm6/8	4SG6/8		450	899	912	3.5	13.6	11.4
4SGm6/12	4SG6/12		616	1125	1133	4.5	16.4	13.8
4SGm6/16	4SG6/16		749	1439	1339	5.5	21.0	17.2
4SGm6/21	4SG6/21		947	1701	1592	6.7	23.5	19.8
-	4SG6/27		1144	-	1864	8.1	-	23.0
-	4SG6/35		1442	-	2262	10.3	-	29.3

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm8/3	4SG8/3	G2 NPT2	311	680	670	2.4	9.8	9.5
4SGm8/5	4SG8/5		387	791	781	3.1	11.2	11.1
4SGm8/7	4SG8/7		463	912	867	3.7	11.5	11.5
4SGm8/10	4SG8/10		613	1122	1083	4.5	16.0	14.5
4SGm8/13	4SG8/13		727	1421	1259	5.3	21.0	17.5
4SGm8/17	4SG8/17		914	1668	1501	6.6	23.5	19.5
-	4SG8/22		1104	-	1672	7.9	-	23.0
-	4SG8/28		1367	-	2035	10.1	-	30.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm10/4	4SG10/4	G2 NPT2	349	753	742	2.8	11.2	11.1
4SGm10/6	4SG10/6		425	874	840	3.3	11.5	11.5
4SGm10/8	4SG10/8		536	1045	1006	3.8	16.0	14.5
4SGm10/10	4SG10/10		613	1307	1141	4.4	21.0	17.5
4SGm10/13	4SG10/13		727	1481	1314	5.3	23.5	19.5
-	4SG10/17		914	-	1576	6.5	-	23.0
-	4SG10/22		1104	-	1866	8.0	-	30.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm12/5	4SG12/5	G2 NPT2	487	936	949	4.0	11.5	11.5
4SGm12/7	4SG12/7		584	1093	1101	4.9	16.0	14.5
4SGm12/9	4SG12/9		681	1375	1271	5.8	21.0	17.5
4SGm12/12	4SG12/12		884	1638	1529	7.1	23.5	19.5
-	4SG12/16		1078	-	1798	8.8	-	23.0
-	4SG12/20		1329	-	2149	10.9	-	30.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SGm16/3	4SG16/3	G2 NPT2	475	924	890	3.5	11.5	11.5
4SGm16/5	4SG16/5		626	1135	1096	4.7	16.0	14.5
4SGm16/7	4SG16/7		778	1472	1310	5.8	21.0	17.5
4SGm16/9	4SG16/9		930	1683	1517	6.7	23.5	19.5
-	4SG16/12		1157	-	1819	8.2	-	23.0
-	4SG16/15		1384	-	2146	9.7	-	30.0

Packing Size & Weight

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm2/5	-	-	-	-	955×110×185	-	11.8	-	1390	-
4SGm2/7	-	-	-	-	1020×110×185	-	13.2	-	1300	-
4SGm2/9	4SG2/9	-	-	-	955×125×125	955×125×125	14.7	14.6	1200	1500
4SGm2/13	4SG2/13	-	-	-	1075×125×125	1075×125×125	17.3	16.6	1080	1300
4SGm2/17	4SG2/17	-	-	-	1255×125×125	1255×125×125	20.1	17.9	960	1150
4SGm2/24	4SG2/24	-	-	-	1500×125×125	1500×125×125	24.3	21.2	770	920
4SGm2/32	4SG2/32	825x125x125	780×125×125	1180×125×125	-	-	M:22.5 B:9.7	M:18.7 B:9.7	-	910
4SGm2/40	4SG2/40	920x125x125	780×125×125	1415×125×125	-	-	M:25 B:10.9	M:21.3 B:10.9	-	780

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm3/3	-	-	-	-	890×110×185	-	11.3	-	1570	-
4SGm3/5	-	-	-	-	980×110×185	-	12.8	-	1350	-
4SGm3/7	4SG3/7	-	-	-	890×125×125	850×125×125	14.3	14.2	1230	1570
4SGm3/9	4SG3/9	-	-	-	980×125×125	980×125×125	16.4	15.7	1170	1420
4SGm3/12	4SG3/12	-	-	-	1075×125×125	1075×125×125	19.1	16.8	1050	1300
4SGm3/18	4SG3/18	-	-	-	1310×125×125	1310×125×125	23.2	20.6	870	1050
4SGm3/24	4SG3/24	825x125x125	780×125×125	980×125×125	-	-	M:22.5 B:8.2	M:18.7 B:8.2	-	1020
4SGm3/32	4SG3/32	920x125x125	780×125×125	1210×125×125	-	-	M:25 B:10	M:21.3 B:10	-	870
-	4SG3/40	-	870×125×125	1460×125×125	-	-	-	M:24.5 B:12	-	730

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm4/3	-	-	-	-	935×110×185	-	11.4	-	1420	-
4SGm4/4	-	-	-	-	980×110×185	-	12.7	-	1350	-
4SGm4/6	4SG4/6	-	-	-	850×125×125	850×125×125	14.3	14.2	1300	1570
4SGm4/8	4SG4/8	-	-	-	935×125×125	935×125×125	16.4	16	1170	1420
4SGm4/11	4SG4/11	-	-	-	1020×125×125	1020×125×125	19.1	16.9	1050	1300
4SGm4/16	4SG4/16	-	-	-	1360×125×125	1360×125×125	23.1	20.5	840	960
4SGm4/22	4SG4/22	825x125x125	780×125×125	1020×125×125	-	-	M:22.5 B:8.2	M:18.7 B:8.2	-	1000
4SGm4/28	4SG4/28	920x125x125	780×125×125	1210×125×125	-	-	M:25 B:9.8	M:21.3 B:9.8	-	880
-	4SG4/35	-	870×125×125	1415×125×125	-	-	-	M:24.5 B:11.4	-	750

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm6/3	-	-	-	-	935×110×185	-	12.4	-	1420	-
4SGm6/4	4SG6/4	-	-	-	850×125×125	850×125×125	13.8	13.7	1350	1650
4SGm6/6	4SG6/6	-	-	-	935×125×125	935×125×125	16.0	15.3	1230	1500
4SGm6/8	4SG6/8	-	-	-	1020×125×125	1020×125×125	18.6	16.4	1100	1350
4SGm6/12	4SG6/12	-	-		1255×125×125	1255×125×125	22.4	19.8	920	1100
4SGm6/16	4SG6/16	825x125x125	780×125×125	850×125×125	-	-	M:22.5 B:7	M:18.7 B:7	-	1150
4SGm6/21	4SG6/21	920x125x125	780×125×125	1075×125×125	-	-	M:25 B:8.2	M:21.3 B:8.2	-	970
-	4SG6/27	-	870×125×125	1255×125×125	-	-	-	M:24.5 B:9.6	-	830
-	4SG6/35	-	1015×125×125	1520×125×125	-	-	-	M:30.8 B:11.8	-	700

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm8/3	4SG8/3	-	-	-	980×110×185	850×125×125	13.7	13.5	1350	1710
4SGm8/5	4SG8/5	-	-	-	1100×110×185	955×125×125	16.1	15.4	1200	1500
4SGm8/7	4SG8/7	-	-	-	1255×110×185	1020×125×125	19.0	16.6	1050	1350
4SGm8/10	4SG8/10	-	-	-	1415×110×185	1310×125×125	23.0	20	920	1120
4SGm8/13	4SG8/13	825x125x125	690×125×125	850×125×125	-	-	M:22.5 B:6.8	M:18.7 B:6.8	-	1110
4SGm8/17	4SG8/17	920x125x125	740×125×125	1020×125×125	-	-	M:25 B:8.1	M:21.3 B:8.1	-	970
-	4SG8/22	-	825×125×125	1210×125×125	-	-	-	M:24.5 B:9.4	-	830
-	4SG8/28	-	1015×125×125	1460×125×125	-	-	-	M:32.0 B:11.5	-	700

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm10/4	4SG10/4	-	-	-	1075×110×185	890×125×125	15.8	15.1	1230	1570
4SGm10/6	4SG10/6	-	-	-	1180×110×185	980×125×125	18.4	16.2	1120	1420
4SGm10/8	4SG10/8	-	-	-	1360×110×185	1180×125×125	21.7	19.9	960	1170
4SGm10/10	4SG10/10	825x125x125	780×125×125	730×125×125	-	-	M:22.5 B:5.9	M:18.7 B:5.9	-	1210
4SGm10/13	4SG10/13	920x125x125	780×125×125	810×125×125	-	-	M:25 B:6.8	M:21.3 B:6.8	-	1100
-	4SG10/17	-	870×125×125	1020×125×125	-	-	-	M:25.0 B:7.5	-	920
-	4SG10/22	-	1015×125×125	1210×125×125	-	-	-	M:32.0 B:9.0	-	790

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm12/5	4SG12/5	-	-	-	1255×110×185	1075×125×125	19.1	16.9	1050	1300
4SGm12/7	4SG12/7	-	-	-	1415×110×185	1180×125×125	22.8	20.2	920	1120
4SGm12/9	4SG12/9	825x125x125	780×125×125	810×125×125	-	-	M:22.5 B:7.3	M:18.7 B:7.3	-	1150
4SGm12/12	4SG12/12	920x125x125	780×125×125	980×125×125	-	-	M:25 B:8.6	M:21.3 B:8.6	-	990
-	4SG12/16	-	870×125×125	1180×125×125	-	-	-	M:24.5 B:10.3	-	840
-	4SG12/20	-	1015×125×225	1460×125×125	-	-	-	M:32.0 B:12.4	-	700

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SGm16/3	4SG16/3	-	-	-	1310×110×185	1020×125×125	17.6	16.4	1000	1300
4SGm16/5	4SG16/5	-	-	-	1415×110×185	1310×125×125	22.6	20	920	1050
4SGm16/7	4SG16/7	825x125x125	780×125×125	890x125x125	-	-	M:22.5 B:7.3	M:18.7 B:7.3	-	1080
4SGm16/9	4SG16/9	920x125x125	780×125×125	1020x125x125	-	-	M:25 B:8.2	M:21.3 B:8.2	-	970
-	4SG16/12	-	870×125×125	1255x125x125	-	-	-	M:24.5 B:9.7	-	810
-	4SG16/15	-	1015×125×225	1500x125x125	-	-	-	M:32.0 B:11.0	-	690

NOTE: Motor packaged without submersible drop cable, package dimensions enlarged if necessary.

4"Deep Well Pumps

4SP(m)

Performance Range

Max. Flow:24m³/h
Max. Head:422m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

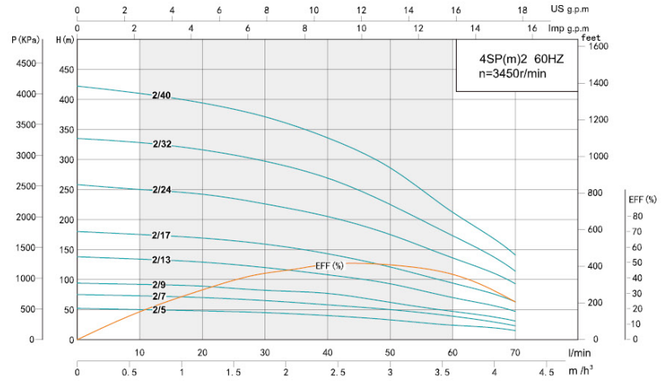
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with start box which built in capacitor &current mode thermal protector, convenient for replacement;
◎ Available with cable with a motor plug, disassemble conveniently;
◎ Pump sleeve with screw thread, single stage floating impellers, except 16 m³/hrs series which with integrated stage floating impellers;
◎ Installation in 4" or larger boreholes;

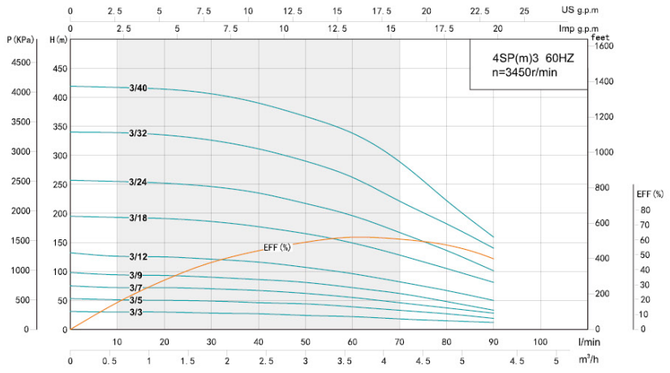
Model Instruction

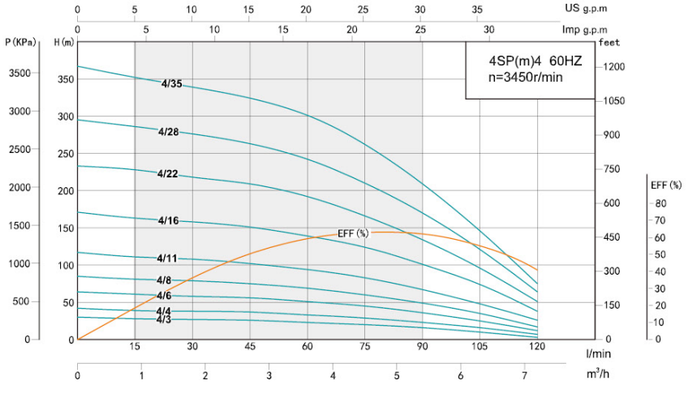
4 SP (m) 2 / 5

- 5 — Number of Stages
- 2 — Rated Flow(m³/h)
- (m) — Phase Code: m=Single-Phase, Blank = Three-Phase
- SP — Type Range
- 4 — Minimum Suit Boreholes（Inch）

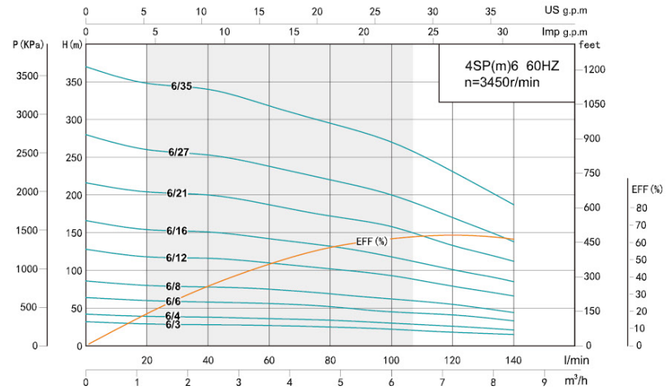
Performance Curve

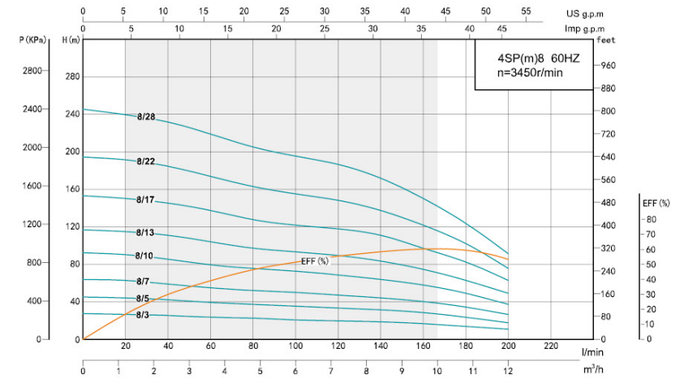


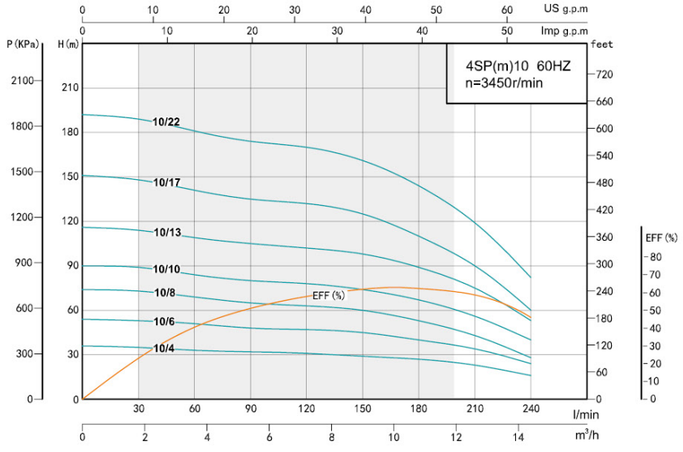




Performance Curve







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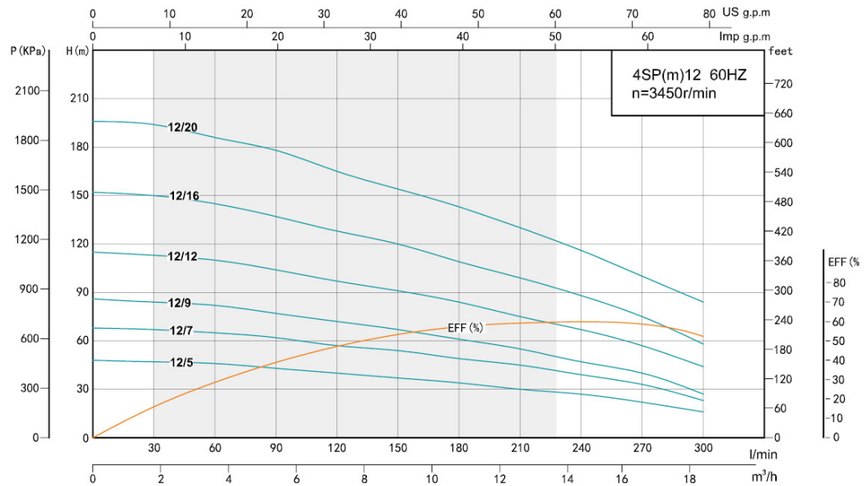
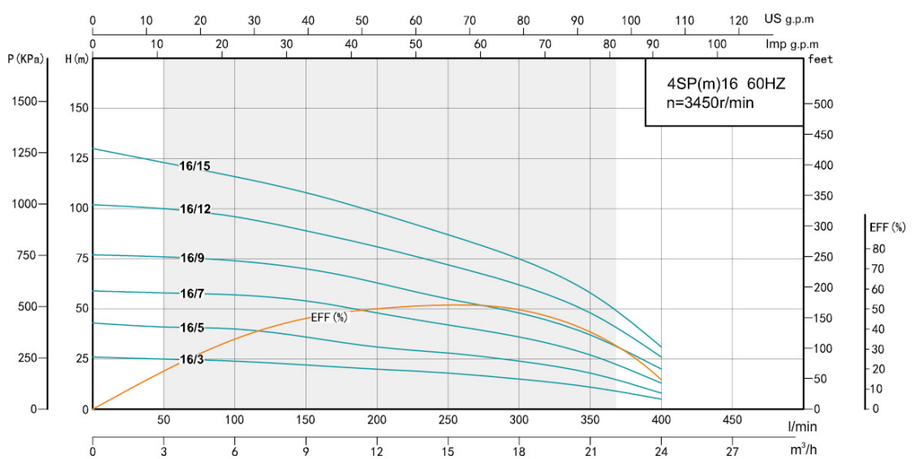




Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	
4SPm2/5-0.37	-	0.37	0.5	7.2	3.5	-	-		52	50	48	45	40	33	24	15	49~20
4SPm2/7-0.55	-	0.55	0.75	10.0	4.8	-	-		75	73	70	65	58	50	39	23	70~46
4SPm2/9-0.75	4SP2/9-0.75	0.75	1	12.4	6.3	4.5	2.6		94	92	89	82	77	62	47	31	90~60
4SPm2/13-1.1	4SP2/13-1.1	1.1	1.5	18.0	8.3	6.1	3.5	H(m)	138	134	129	120	108	93	70	47	130~89
4SPm2/17-1.5	4SP2/17-1.5	1.5	2	-	11.3	7.6	4.4		180	175	169	159	143	121	94	63	170~110
4SPm2/24-2.2	4SP2/24-2.2	2.2	3	-	15.2	10.4	6.0		258	250	242	226	205	175	136	93	240~160
-	4SP2/32-3	3	4	-	-	14.1	8.1		335	328	316	297	269	225	173	114	310~188
-	4SP2/40-4	4	5.5	-	-	17.0	9.8		422	410	394	371	336	286	212	141	385~228

Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	80	90	
4SPm3/3-0.37	-	0.37	0.5	7.2	3.5	-	-		31	30	30	28	27	24	22	18	15	12	30~15
4SPm3/5-0.55	-	0.55	0.75	10.0	4.8	-	-		53	51	50	49	46	44	39	33	27	19	50~27
4SPm3/7-0.75	4SP3/7-0.75	0.75	1	12.4	6.3	4.5	2.6		75	72	72	70	67	62	55	46	37	28	72~37
4SPm3/9-1.1	4SP3/9-1.1	1.1	1.5	18.0	8.3	6.1	3.5		98	94	93	90	86	81	72	62	48	33	93~48
4SPm3/12-1.5	4SP3/12-1.5	1.5	2	-	11.3	7.6	4.4	H(m)	132	126	125	121	116	107	96	82	67	50	125~67
4SPm3/18-2.2	4SP3/18-2.2	2.2	3	-	15.2	10.4	6.0		195	193	191	186	177	165	149	128	105	81	191~105
-	4SP3/24-3	3	4	-	-	14.1	8.1		257	255	252	246	235	217	196	167	136	101	252~136
-	4SP3/32-4	4	5.5	-	-	17.0	9.8		340	339	335	326	311	290	262	221	182	140	335~182
-	4SP3/40-5.5	5.5	7.5	-	-	21.8	12.8		419	417	414	406	390	367	338	289	222	159	414~222

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	
4SPm6/3-0.55	-	0.55	0.75	10.0	4.8	-	-		32	29	28	27	25	22	18	15	10	29~16
4SPm6/4-0.75	4SP6/4-0.75	0.75	1	12.4	6.3	4.5	2.6		42	39	38	36	34	30	26	21	15	38~21
4SPm6/6-1.1	4SP6/6-1.1	1.1	1.5	18.0	8.3	6.1	3.5		64	60	58	56	52	45	41	33	23	58~32
4SPm6/8-1.5	4SP6/8-1.5	1.5	2	-	11.3	7.6	4.4		86	80	78	75	69	62	55	44	33	79~44
4SPm6/12-2.2	4SP6/12-2.2	2.2	3	-	15.2	10.4	6.0	H(m)	128	118	116	110	102	93	79	66	49	116~66
-	4SP6/16-3	3	4	-	-	14.1	8.1		166	154	151	142	132	118	101	85	61	152~85
-	4SP6/21-4	4	5.5	-	-	17.0	9.8		216	204	200	187	172	158	133	112	82	200~110
-	4SP6/27-5.5	5.5	7.5	-	-	21.8	12.8		280	260	253	238	220	200	170	138	100	253~138
-	4SP6/35-7.5	7.5	10	-	-	30.4	20.8		370	348	340	318	295	270	231	187	141	338~188

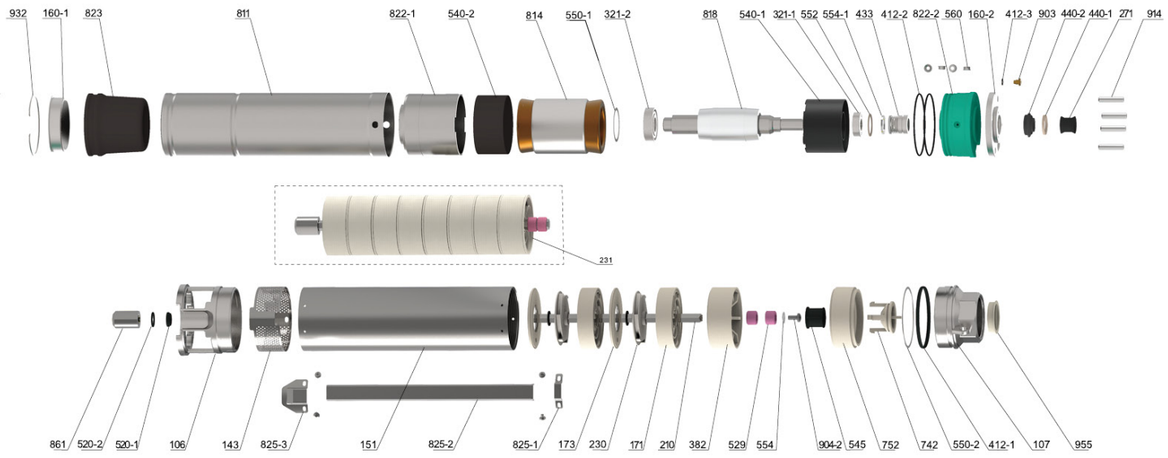
Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	180	200	
4SPm8/3-0.75	4SP8/3-0.75	0.75	1	12.4	6.3	4.5	2.6	H(m)	28	27	26	24	23	21	20	19	17	14	11	26~11
4SPm8/5-1.1	4SP8/5-1.1	1.1	1.5	18.0	8.3	6.1	3.5		46	45	43	40	38	36	34	32	29	24	18	43~18
4SPm8/7-1.5	4SP8/7-1.5	1.5	2	-	11.3	7.6	4.4		65	64	60	56	53	51	48	45	41	35	27	60~27
4SPm8/10-2.2	4SP8/10-2.2	2.2	3	-	15.2	10.4	6.0		94	92	87	81	77	74	70	65	59	50	38	87~38
-	4SP8/13-3	3	4	-	-	14.1	8.1		119	117	113	106	99	95	91	85	76	64	50	113~50
-	4SP8/17-4	4	5.5	-	-	17.0	9.8		156	153	148	140	130	124	120	113	99	84	64	148~64
-	4SP8/22-5.5	5.5	7.5	-	-	21.8	12.8		198	195	188	177	166	158	151	140	124	104	77	188~77
-	4SP8/28-7.5	7.5	10	-	-	30.6	18.0		250	244	236	223	209	199	190	175	153	126	93	236~93

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240	
4SPm10/4-1.1	4SP10/4-1.1	1.1	1.5	18.0	8.3	6.1	3.5	H(m)	36	35	33	32	31	29	27	23	16	33~16
4SPm10/6-1.5	4SP10/6-1.5	1.5	2	-	11.3	7.6	4.4		54	53	51	48	47	45	40	34	24	51~24
4SPm10/8-2.2	4SP10/8-2.2	2.2	3	-	15.2	10.4	6.0		74	73	69	65	63	60	53	43	28	69~28
-	4SP10/10-3	3	4	-	-	14.1	8.1		90	89	84	80	78	74	67	56	40	84~40
-	4SP10/13-4	4	5.5	-	-	17.0	9.8		116	114	109	105	102	98	89	75	53	109~53
-	4SP10/17-5.5	5.5	7.5	-	-	21.8	12.8		151	148	141	135	132	125	110	90	60	141~60
-	4SP10/22-7.5	7.5	10	-	-	30.6	18.0		192	189	181	174	170	161	144	119	82	181~82

Model		Power		Rate Current (A)				Flow												Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240	270	300	
4SPm12/5-1.5	4SP12/5-1.5	1.5	2	-	11.3	7.6	4.4	H(m)	48	47	46	43	40	37	34	30	27	22	16	38~24
4SPm12/7-2.2	4SP12/7-2.2	2.2	3	-	15.2	10.4	6.0		68	67	65	62	57	54	49	45	39	33	23	55~35
-	4SP12/9-3	3	4	-	-	14.1	8.1		86	84	82	77	72	67	61	55	47	40	27	69~43
-	4SP12/12-4	4	5.5	-	-	17.0	9.8		115	113	110	104	97	91	84	75	67	57	44	93~61
-	4SP12/16-5.5	5.5	7.5	-	-	21.8	12.8		152	150	145	137	128	120	109	99	88	75	58	123~80
-	4SP12/20-7.5	7.5	10	-	-	30.6	18.0		196	194	186	178	165	154	143	130	116	100	84	157~105

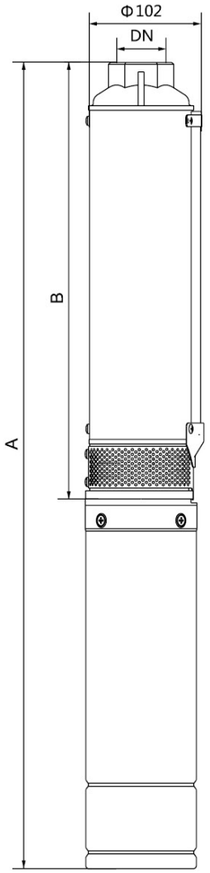
Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	3	6	9	12	15	18	21	24	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	50	100	150	200	250	300	350	400	
4SPm16/3-1.5	4SP16/3-1.5	1.5	2	-	11.3	7.6	4.4	H(m)	26	25	24	22	20	18	15	11	5	25~11
4SPm16/5-2.2	4SP16/5-2.2	2.2	3	-	15.2	10.4	6.0		43	41	40	36	31	28	24	18	8	40~18
-	4SP16/7-3	3	4	-	-	14.1	8.1		59	58	57	54	48	42	36	27	13	58~27
-	4SP16/9-4	4	5.5	-	-	17.0	9.8		77	76	74	70	63	55	48	37	20	75~37
-	4SP16/12-5.5	5.5	7.5	-	-	21.8	12.8		102	100	96	89	81	72	62	48	26	98~48
-	4SP16/15-7.5	7.5	10	-	-	30.6	18.0		130	123	116	108	98	87	75	58	31	118~58

Components & Materials



No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	412-2	O-ring	742	Bonnet
107	Delivery chamber	412-3	O-ring	811	Casing
143	Net cover	433	Mechanical seal	814	Stator core with winding
151	Sleeve	440-1	Anti-sand pad	818	Rotor
160-1	Bottom cover	440-2	Anti-sand seat	822-1	Lower bearing block
160-2	Cover plate	520-1	Spacer bush	822-2	Oil chamber
171	Guide vane	520-2	Spacer bush	823	Pressure regulating film
173	Guide vane cover plate	529	Shaft sleeve	825-1	Small pressing plate
210	Pump shaft	540-1	Upper spacer sleeve	825-2	Cable pressing plate
230	Impeller	540-2	Lower spacer sleeve	861	Coupling
231	Impeller string	545	Middle rubber bearing	903	Vent cock
271	Sand shaking sleeve	550-1	Adjusting washer	914	Hexagon socket set screw
321-1	Deep groove ball bearing	550-2	Adjusting washer	932	Retaining ring
321-2	Angular contact bearing	552	Wave spring	955	Dust cover
382	Middle bearing block	554	Flat washer		
412-1	O-ring	560	Locating pin		

Dimensions & Weight



Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm2/5-0.37	-	G1¼ NPT1¼	319	620	-	2.4	7.7	-
4SPm2/7-0.55	-		371	692	-	2.8	8.7	-
4SPm2/9-0.75	4SP2/9-0.75		421	767	757	3.1	9.9	9.7
4SPm2/13-1.1	4SP2/13-1.1		519	900	890	3.9	11.5	10.3
4SPm2/17-1.5	4SP2/17-1.5		619	1045	1000	4.7	13.6	10.7
4SPm2/24-2.2	4SP2/24-2.2		828	1314	1264	6.2	16.7	13.5
-	4SP2/32-3		1062	-	1560	9.1	-	16.6
-	4SP2/40-4		1295	-	1848	11.2	-	19.2

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm3/3-0.37	-	G1¼ NPT1¼	275	576	-	2.0	7.7	-
4SPm3/5-0.55	-		327	648	-	2.4	8.7	-
4SPm3/7-0.75	4SP3/7-0.75		379	725	715	2.8	9.9	9.7
4SPm3/9-1.1	4SP3/9-1.1		431	812	802	3.1	11.5	10.3
4SPm3/12-1.5	4SP3/12-1.5		509	935	890	3.7	13.6	10.7
4SPm3/18-2.2	4SP3/18-2.2		665	1151	1101	4.9	16.7	13.5
-	4SP3/24-3		891	-	1389	6.8	-	16.6
-	4SP3/32-4		1100	-	1653	9.0	-	19.2
-	4SP3/40-5.5		1343	-	1971	11.0	-	22.5

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm4/3-0.37	-	G1¼ NPT1¼	284	585	-	2.0	7.7	-
4SPm4/4-0.55	-		313	634	-	2.2	8.7	-
4SPm4/6-0.75	4SP4/6-0.75		371	717	707	2.6	9.9	9.7
4SPm4/8-1.1	4SP4/8-1.1		429	810	800	3.0	11.5	10.3
4SPm4/11-1.5	4SP4/11-1.5		516	942	897	3.6	13.6	10.7
4SPm4/16-2.2	4SP4/16-2.2		731	1217	1167	5.0	16.7	13.5
-	4SP4/22-3		905	-	1403	6.9	-	16.6
-	4SP4/28-4		1114	-	1667	8.2	-	19.2
-	4SP4/35-5.5		1318	-	1946	10.1	-	22.5

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm6/3-0.55	-	G1½ NPT1½	295	616	-	2.1	8.7	-
4SPm6/4-0.75	4SP6/4-0.75		327	673	663	2.3	9.9	9.7
4SPm6/6-1.1	4SP6/6-1.1		393	774	764	2.7	11.5	10.3
4SPm6/8-1.5	4SP6/8-1.5		459	885	840	3.2	13.6	10.7
4SPm6/12-2.2	4SP6/12-2.2		625	1111	1061	4.2	16.7	13.5
-	4SP6/16-3		758	-	1256	5.3	-	16.6
-	4SP6/21-4		956	-	1509	6.7	-	19.2
-	4SP6/27-5.5		1153	-	1781	8.1	-	22.5
-	4SP6/35-7.5		1451	-	2179	11.2	-	28.9

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm8/3-0.75	4SP8/3-0.75	G2 NPT2	311	657	647	2.2	9.9	9.7
4SPm8/5-1.1	4SP8/5-1.1		387	768	758	2.6	11.5	10.3
4SPm8/7-1.5	4SP8/7-1.5		463	889	844	3.1	13.6	10.7
4SPm8/10-2.2	4SP8/10-2.2		612	1098	1048	4.1	16.7	13.5
-	4SP8/13-3		726	-	1224	4.9	-	16.6
-	4SP8/17-4		913	-	1466	6.2	-	19.2
-	4SP8/22-5.5		1103	-	1731	7.5	-	22.5
-	4SP8/28-7.5		1366	-	2094	10.6	-	28.9

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm10/4-1.1	4SP10/4-1.1	G2 NPT2	350	731	721	2.4	11.5	10.3
4SPm10/6-1.5	4SP10/6-1.5		425	851	806	2.9	13.6	10.7
4SPm10/8-2.2	4SP10/8-2.2		536	1022	972	3.6	16.7	13.5
-	4SP10/10-3		612	-	1110	4.2	-	16.6
-	4SP10/13-4		726	-	1279	4.9	-	19.2
-	4SP10/17-5.5		913	-	1541	6.2	-	22.5
-	4SP10/22-7.5		1103	-	1831	7.5	-	28.9

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm12/5-1.5	4SP12/5-1.5	G2 NPT2	496	922	877	3.7	13.6	10.7
4SPm12/7-2.2	4SP12/7-2.2		593	1079	1029	4.4	16.7	13.5
-	4SP12/9-3		690	-	1188	5.3	-	16.6
-	4SP12/12-4		893	-	1446	6.6	-	19.2
-	4SP12/16-5.5		1087	-	1715	8.3	-	22.5
-	4SP12/20-7.5		1338	-	2066	10.6	-	28.9

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SPm16/3-1.5	4SP16/3-1.5	G2 NPT2	475	922	877	3.3	13.6	10.7
4SPm16/5-2.2	4SP16/5-2.2		625	1079	1029	4.4	16.7	13.5
-	4SP16/7-3		777	-	1188	5.6	-	16.6
-	4SP16/9-4		928	-	1446	6.7	-	19.2
-	4SP16/12-5.5		1156	-	1715	8.2	-	22.5
-	4SP16/15-7.5		1383	-	2066	10.2	-	28.9

Packing Size & Weight

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm2/5-0.37	-	-	-	-	935×110×185	-	10.8	-	1390	-
4SPm2/7-0.55	-	-	-	-	1020×110×185	-	12.3	-	1300	-
4SPm2/9-0.75	4SP2/9-0.75	-	-	-	1075×110×185	850×125×125	13.8	13.5	1200	1500
4SPm2/13-1.1	4SP2/13-1.1	-	-	-	1220×110×185	980×125×125	16.3	15.0	1080	1300
4SPm2/17-1.5	4SP2/17-1.5	-	-	-	1360×110×185	1100×125×125	19.3	16.3	960	1150
4SPm2/24-2.2	4SP2/24-2.2	-	-	-	1615×110×185	1360×125×125	24.1	20.7	770	920
-	4SP2/32-3	-	645×125×125	1180×125×125	-	-	-	M:17.1 B:10	-	910
-	4SP2/40-4	-	690×125×125	1415×125×125	-	-	-	M:19.7 B:12.2	-	780

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm3/3-0.37	-	-	-	-	890×110×185	-	10.4	-	1570	-
4SPm3/5-0.55	-	-	-	-	955×110×185	-	11.9	-	1350	-
4SPm3/7-0.75	4SP3/7-0.75	-	-	-	1020×110×185	810×125×125	13.3	13.0	1230	1570
4SPm3/9-1.1	4SP3/9-1.1	-	-	-	1130×110×185	935×125×125	15.5	14.1	1170	1420
4SPm3/12-1.5	4SP3/12-1.5	-	-	-	1255×110×185	1020×125×125	18.3	15.2	1050	1300
4SPm3/18-2.2	4SP3/18-2.2	-	-	-	1500×110×185	1255×125×125	22.7	19.3	870	1050
-	4SP3/24-3	-	645×125×125	1020×125×125	-	-	-	M:17.1 B:7.5	-	1020
-	4SP3/32-4	-	690×125×125	1210×125×125	-	-	-	M:19.7 B:9.9	-	870
-	4SP3/40-5.5	-	780×125×125	1460×125×125	-	-	-	M:23.1 B:12	-	730

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm4/3-0.37	-	-	-	-	890×110×185	-	10.4	-	1420	-
4SPm4/4-0.55	-	-	-	-	935×110×185	-	11.6	-	1350	-
4SPm4/6-0.75	4SP4/6-0.75	-	-	-	1020×110×185	810×125×125	13.3	13.0	1300	1570
4SPm4/8-1.1	4SP4/8-1.1	-	-	-	1130×110×185	890×125×125	15.4	14.0	1170	1420
4SPm4/11-1.5	4SP4/11-1.5	-	-	-	1255×110×185	1020×125×125	18.2	15.1	1050	1300
4SPm4/16-2.2	4SP4/16-2.2	-	-	-	1550×110×185	1075×125×125	22.9	19.3	840	960
-	4SP4/22-3	-	645×125×125	1020×125×125	-	-	-	M:17.1 B:7.6	-	1000
-	4SP4/28-4	-	690×125×125	1210×125×125	-	-	-	M:19.7 B:9.1	-	880
-	4SP4/35-5.5	-	780×125×125	1415×125×125	-	-	-	M:23.1 B:11.1	-	750

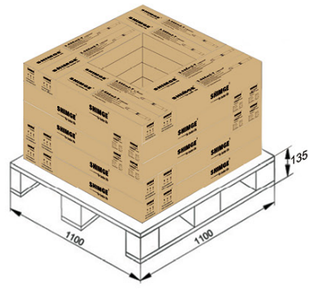
Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm6/3-0.55	-	-	-	-	810×125×125	-	11.5	-	1420	-
4SPm6/4-0.75	4SP6/4-0.75	-	-	-	850×125×125	810×125×125	13.0	12.7	1350	1650
4SPm6/6-1.1	4SP6/6-1.1	-	-	-	935×125×125	890×125×125	15	13.8	1230	1500
4SPm6/8-1.5	4SP6/8-1.5	-	-	-	1045×125×125	935×125×125	17.8	14.7	110	1350
4SPm6/12-2.2	4SP6/12-2.2	-	-	-	1310×125×125	1180×125×125	22.0	18.6	920	1100
-	4SP6/16-3	-	645×125×125	850×125×125	-	-	-	M:17.1 B:5.9	-	1150
-	4SP6/21-4	-	690×125×125	1075×125×125	-	-	-	M:19.7 B:7.5	-	970
-	4SP6/27-5.5	-	780×125×125	1255×125×125	-	-	-	M:23.1 B:9	-	830
-	4SP6/35-7.5	-	920×125×125	1550×125×125	-	-	-	M:29.6 B:12.3	-	700

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm8/3-0.75	4SP8/3-0.75	-	-	-	955×110×185	730×125×125	12.9	12.5	1350	1710
4SPm8/5-1.1	4SP8/5-1.1	-	-	-	1075×110×185	850×125×125	15.0	13.7	1200	1500
4SPm8/7-1.5	4SP8/7-1.5	-	-	-	1220×110×185	935×125×125	17.7	14.6	1050	1350
4SPm8/10-2.2	4SP8/10-2.2	-	-	-	1415×110×185	1180×125×125	21.9	18.5	920	1120
-	4SP8/13-3	-	645×125×125	850×125×125	-	-	-	M:17.1 B:5.5	-	1110
-	4SP8/17-4	-	690×125×125	1020×125×125	-	-	-	M:19.7 B:6.9	-	970
-	4SP8/22-5.5	-	780×125×125	1210×125×125	-	-	-	M:23.1 B:8.4	-	830
-	4SP8/28-7.5	-	920×125×125	1460×125×125	-	-	-	M:29.6 B:11.6	-	700

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm10/4-1.1	4SP10/4-1.1	-	-	-	1075×110×185	810×125×125	14.7	13.4	1230	1570
4SPm10/6-1.5	4SP10/6-1.5	-	-	-	1150×110×185	890×125×125	17.4	14.3	1120	1420
4SPm10/8-2.2	4SP10/8-2.2	-	-	-	1360×110×185	1075×125×125	21.3	17.9	960	1170
-	4SP10/10-3	-	645×125×125	730×125×125	-	-	-	M:17.1 B:4.8	-	1210
-	4SP10/13-4	-	690×125×125	850×125×125	-	-	-	M:19.7 B:5.5	-	1100
-	4SP10/17-5.5	-	780×125×125	1020×125×125	-	-	-	M:23.1 B:6.9	-	920
-	4SP10/22-7.5	-	920×125×125	1210×125×125	-	-	-	M:29.6 B:8.4	-	790

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm12/5-1.5	4SP12/5-1.5	-	-	-	1220×110×185	980×125×125	18.3	15.2	1110	1390
4SPm12/7-2.2	4SP12/7-2.2	-	-		1415×110×185	1130×125×125	22.3	18.9	960	1200
-	4SP12/9-3	-	645×125×125	810×125×125	-	-	-	M:17.1 B:6.1	-	1210
-	4SP12/12-4	-	690×125×125	1020×125×125	-	-	-	M:19.7 B:7.5	-	1030
-	4SP12/16-5.5	-	780×125×125	1180×125×125	-	-	-	M:23.1 B:9.2	-	900
-	4SP12/20-7.5	-	920×125×125	1460×125×125	-	-	-	M:29.6 B:11.7	-	750

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SPm16/3-1.5	4SP16/3-1.5	-	-	-	1220×110×185	955×125×125	17.8	14.8	1000	1300
4SPm16/5-2.2	4SP16/5-2.2	-	-	-	1415×110×185	1180×125×125	22.2	19.0	920	1050
-	4SP16/7-3	-	645×125×125	890×125×125	-	-	-	M:17.1 B:6.3	-	1080
-	4SP16/9-4	-	690×125×125	1020×125×125	-	-	-	M:19.7 B:7.4	-	970
-	4SP16/12-5.5	-	780×125×125	1255×125×125	-	-	-	M:23.1 B:9.1	-	810
-	4SP16/15-7.5	-	920×125×125	1500×125×125	-	-	-	M:29.6 B:11.3	-	690



4"Deep Well Pumps

4SE(m)-T

Performance Range

Max. Flow:24m³/h
Max. Head:422m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

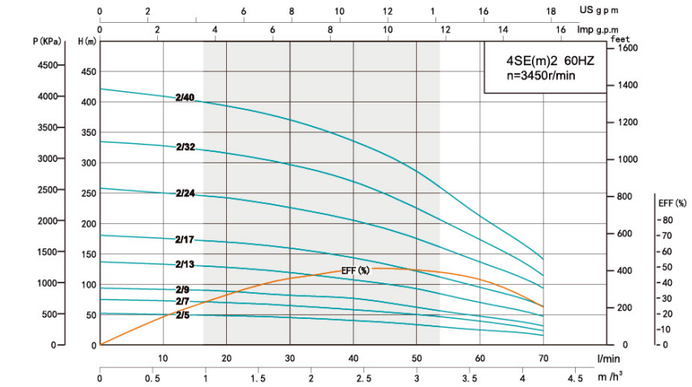
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor with built in B Grade oil proofed capacitor &thermal mode protector;
◎ Available with cable with a motor plug, disassemble conveniently;
◎ Available with pump casing with plug, 2~12 m³/hrs series with single stage floating impellers, 16m³/hrs series with integrated stage floating impellers;
◎ Installation in 4" or larger boreholes;

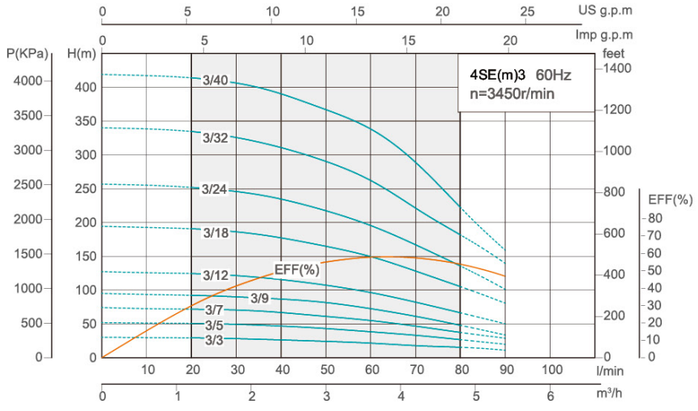
Model Instruction

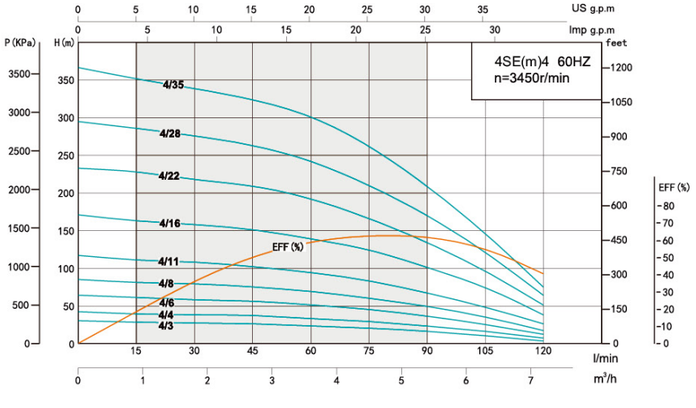
4 SE (m) 2 / 5 T

- 4 — Minimum Suit Boreholes（Inch）
- SE — Type Range
- (m) — Phase Code: m=Single-Phase, Blank = Three-Phase
- 2 — Rated Flow(m³/h)
- 5 — Number of Stages
- T — Cast Iron

Performance Curve







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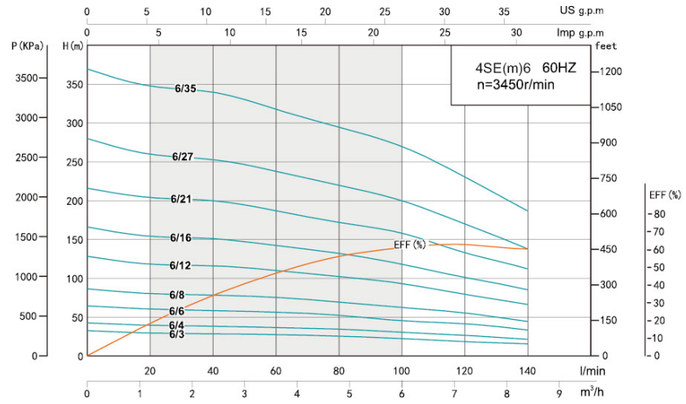

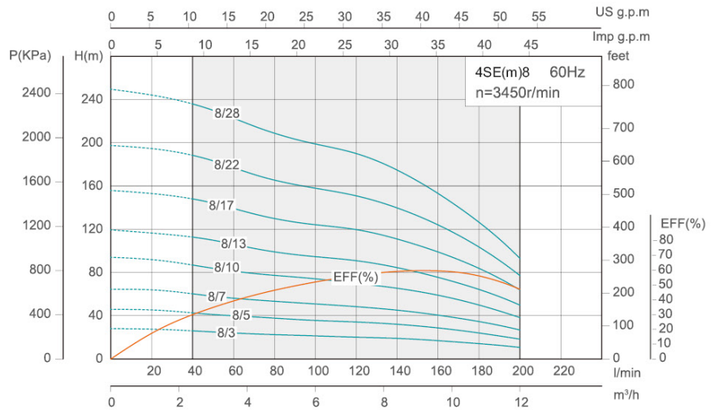

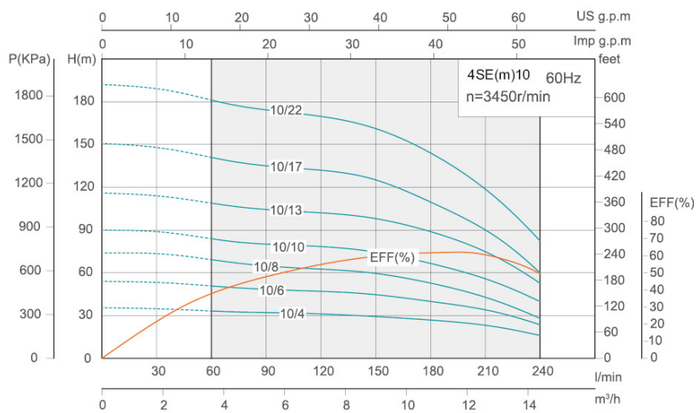

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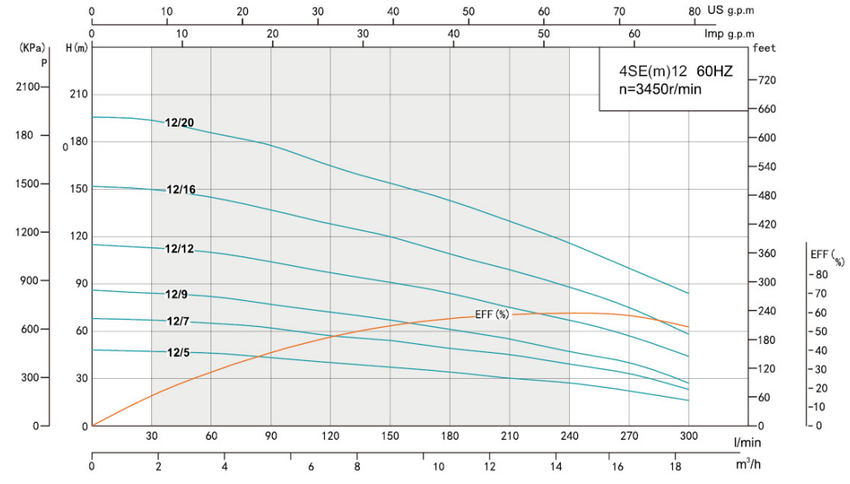
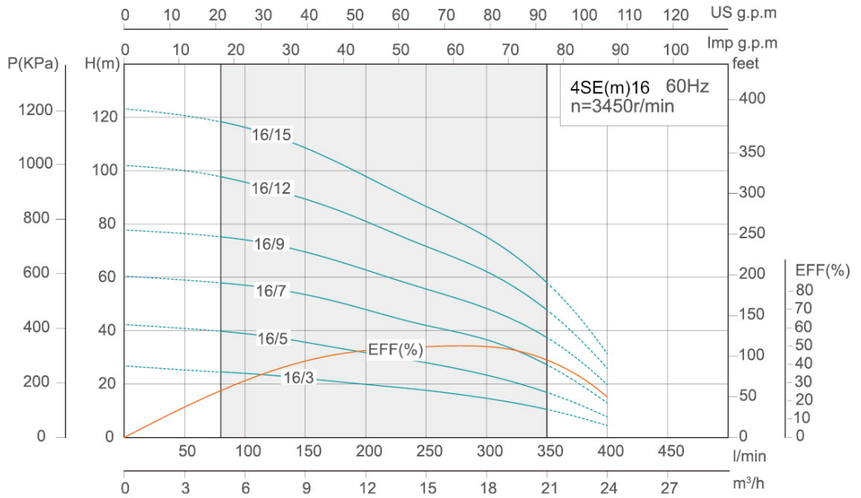




Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	
4SEm2/5T	-	0.37	0.5	7.2	3.5	-	-	H(m)	52	50	48	45	40	33	24	15	49~29
4SEm2/7T	-	0.55	0.75	10.0	4.8	-	-		75	73	70	65	58	50	39	23	70~46
4SEm2/9T	4SE2/9T	0.75	1	12.4	6.3	4.5	2.6		94	92	89	82	77	62	47	31	90~60
4SEm213T	4SE2/13T	1.1	1.5	18.0	8.3	6.1	3.5		138	134	129	120	108	93	70	47	130~89
4SEm2/17T	4SE2/17T	1.5	2	-	11.3	7.6	4.4		180	175	169	159	143	121	94	63	170~110
4SEm2/24T	4SE2/24T	2.2	3	-	15.2	10.4	6.0		258	250	242	226	205	175	136	93	240~160
4SEm2/32T	4SE2/32T	3	4	-	21.0	14.1	8.1		335	328	316	297	269	225	173	114	310~188
4SEm2/40T	4SE2/40T	4	5.5	-	27.0	17.0	9.8		422	410	394	371	336	286	212	141	385~228

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	80	90	
4SEm3/3T	-	0.37	0.5	7.2	3.5	-	-	H(m)	31	30.1	30	28	27	24	18	18	15	12	30~15
4SEm3/5T	-	0.55	0.75	10.0	4.8	-	-		51.2	51	50	49	46	44	33	33	27	19	50~27
4SEm3/7T	4SE3/7T	0.75	1	12.4	6.3	4.2	2.4		75	72.2	72	70	67	62	46	46	37	28	72~37
4SEm3/9T	4SE3/9T	1.1	1.5	18.0	8.3	5.4	3.1		95	94	93	90	86	81	62	62	48	33	93~48
4SEm3/12T	4SE3/12T	1.5	2	-	11.3	8.7	5.0		127	126	125	121	116	107	82	82	67	50	125~67
4SEm3/18T	4SE3/18T	2.2	3	-	15.2	14.5	8.3		194	193	191	186	177	165	128	128	105	81	191~105
4SEm3/24T	4SE3/24T	3	4	-	21.0	17.6	10.1		257	255	252	246	235	217	167	167	136	101	252~136
4SEm3/32T	4SE3/32T	4	5.5	-	27.0	23.5	13.2		340	339	335	326	311	290	221	221	182	140	335~182
-	4SE3/40T	5.5	7.5	-	-	28.9	17.2		419	417	414	406	390	367	289	289	222	159	414~222

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	15	30	45	60	75	90	105	120	
4SEm4/3T	-	0.37	0.5	7.2	3.5	-	-	H(m)	30	28	27	26	23	20	16	10	3	27~16
4SEm4/4T	-	0.55	0.75	10.0	4.8	-	-		42	39	38	37	33	29	23	16	7	29~24
4SEm4/6T	4SE4/6T	0.75	1	12.4	6.3	4.5	2.6		64	61	58	56	51	45	36	25	12	58~36
4SEm4/8T	4SE4/8T	1.1	1.5	18.0	8.3	6.1	3.5		85	81	79	75	69	60	49	35	17	80~49
4SEm4/11T	4SE4/11T	1.5	2	-	11.3	7.6	4.4		117	111	108	102	94	83	67	48	26	109~69
4SEm4/16T	4SE4/16T	2.2	3	-	15.2	10.4	6.0		171	163	158	151	139	124	101	74	38	157~96
4SEm4/22T	4SE4/22T	3	4	-	21.0	14.1	8.1		233	228	218	209	192	166	134	96	51	207~122
4SEm4/28T	4SE4/28T	4	5.5	-	27.0	17.0	9.8		295	286	276	263	242	210	170	121	64	264~156
-	4SE4/35T	5.5	7.5	-	-	21.8	12.8		367	352	339	324	301	262	209	146	75	335~198

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	
4SEm6/3T	-	0.55	0.75	10.0	4.8	-	-	H(m)	32	29	28	27	25	22	20	15	10	29~16
4SEm6/4T	4SE6/4T	0.75	1	12.4	6.3	4.5	2.6		42	39	38	36	34	30	26	21	15	38~21
4SEm6/6T	4SE6/6T	1.1	1.5	18.0	8.3	6.1	3.5		64	60	58	56	52	45	41	33	23	58~32
4SEm6/8T	4SE6/8T	1.5	2	-	11.3	7.6	4.4		86	80	78	75	69	62	55	44	33	79~44
4SEm6/12T	4SE6/12T	2.2	3	-	15.2	10.4	6.0		128	118	116	110	102	93	79	66	49	116~66
4SEm6/16T	4SE6/16T	3	4	-	21.0	14.1	8.1		166	154	151	142	132	118	101	85	61	152~85
4SEm6/21T	4SE6/21T	4	5.5	-	27.0	17.0	9.8		216	204	200	187	172	158	133	112	82	200~110
-	4SE6/27T	5.5	7.5	-	-	21.8	12.8		280	260	253	238	220	200	170	138	100	253~138
-	4SE6/35T	7.5	10	-	-	30.6	18.0		370	348	340	318	295	270	231	187	141	338~188

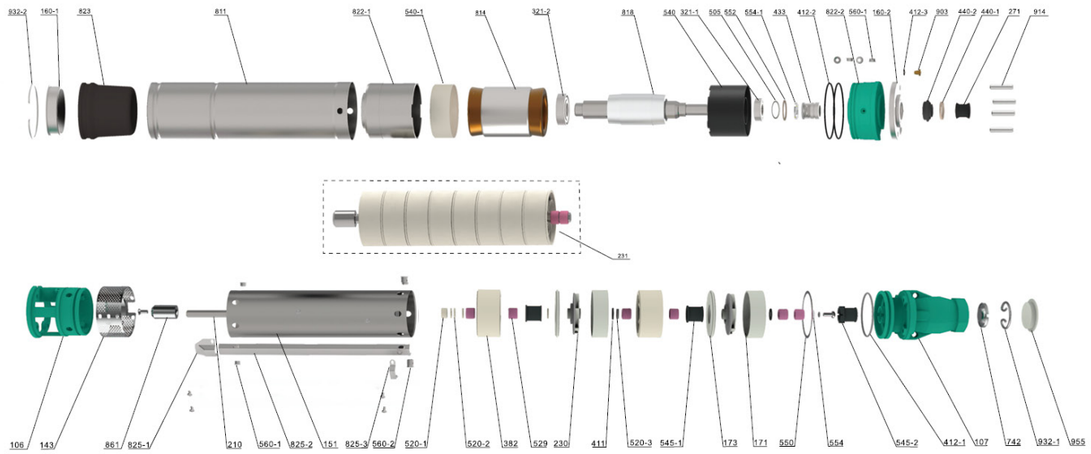
Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	180	200	
4SEm8/3T	4SE8/3T	0.75	1	14.6	7.3	4.2	2.4	H(m)	28	27	26	24	23	21	20	19	17	14	11	26~11
4SEm8/5T	4SE8/5T	1.1	1.5	18	9	5.4	3.1		46	45	43	40	38	36	34	32	29	24	18	43~18
4SEm8/7T	4SE8/7T	1.5	2	-	11.9	8.7	5		65	64	60	56	53	51	48	45	41	35	27	60~27
4SEm8/10T	4SE8/10T	2.2	3	-	20.7	14.5	8.3		94	92	87	81	77	74	70	65	59	50	38	87~38
4SEm8/13T	4SE8/13T	3	4	-	21.0	17.6	10.1		119	117	113	106	99	95	91	85	76	64	50	113~50
4SEm8/17T	4SE8/17T	4	5.5	-	27.0	23.5	13.2		156	153	148	140	130	124	120	113	99	84	64	148~64
-	4SE8/22T	5.5	7.5	-	-	28.9	17.2		198	195	188	177	166	158	151	140	124	104	77	188~77
-	4SE8/28T	7.5	10	-	-	34.2	19.5		250	244	236	223	209	199	190	175	153	126	93	236~93

Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4		
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240		
4SEm10/4T	4SE10/4T	1.1	1.5	18	9	5.4	3.1	H(m)	36	35	33	32	31	29	27	23	16		26~11
4SEm10/6T	4SE10/6T	1.5	2	-	11.9	8.7	5		54	53	51	48	47	45	40	34	24		43~18
4SEm10/8T	4SE10/8T	2.2	3	-	20.7	14.5	8.3		74	73	69	65	63	60	53	43	28		78~34
4SEm10/10T	4SE10/10T	3	4	-	21.0	17.6	10.1		90	89	84	80	78	74	67	56	40		104~46
4SEm10/13T	4SE10/13T	4	5.5	-	27.0	23.5	13.2		116	114	109	105	102	98	89	75	53		131~56
-	4SE10/17T	5.5	7.5	-	-	28.9	17.2		151	148	141	135	132	125	110	90	60		171~70
-	4SE10/22T	7.5	10	-	-	34.2	19.5		192	189	181	174	170	161	144	119	82		211~83

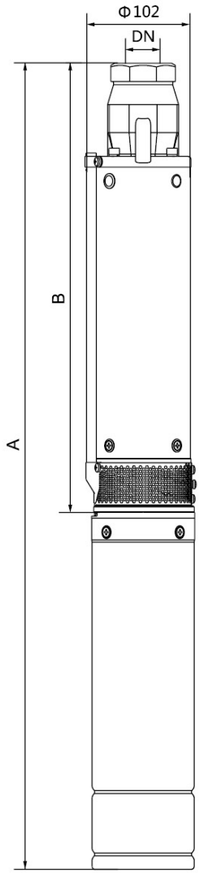
Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	30	60	90	120	150	180	210	240	270	300	
4SEm12/5T	4SE12/5T	1.5	2	-	11.3	7.6	4.4	H(m)	48	47	46	43	40	37	34	30	27	22	16	26~11
4SEm12/7T	4SE12/7T	2.2	3	-	15.2	10.4	6.0		68	67	65	62	57	54	49	45	39	33	23	60~27
4SEm12/9T	4SE12/9T	3	4	-	21.0	14.1	8.1		86	84	82	77	72	67	61	55	47	40	27	87~38
4SEm12/12T	4SE12/12T	4	5.5	-	27.0	17.0	9.8		115	113	110	104	97	91	84	75	67	57	44	113~50
-	4SE12/16T	5.5	7.5	-	-	21.8	12.8		152	150	145	137	128	120	109	99	88	75	58	148~64
-	4SE12/20T	7.5	10	-	-	30.6	18.0		196	194	186	178	165	154	143	130	116	100	84	188~77

Model		Power		Rate Current (A)				Flow											Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	3	6	9	12	15	18	21	24		
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	50	100	150	200	250	300	350	400		
4SEm16/3T	4SE16/3T	1.5	2	-	11.9	8.7	5	H(m)	27	25	24	22	20	18	15	11	5		25~11
4SEm16/5T	4SE16/5T	2.2	3	-	20.7	14.5	8.3		43	41	40	36	31	28	24	18	8		40~18
4SEm16/7T	4SE16/7T	3	4	-	21.0	17.6	10.1		61	60	57	54	48	42	36	27	13		58~27
4SEm16/9T	4SE16/9T	4	5.5	-	27.0	23.5	13.2		78	77	74	70	63	55	48	37	20		75~37
-	4SE16/12T	5.5	7.5	-	-	28.9	17.2		101	100	96	89	81	72	62	48	26		98~48
-	4SE16/15T	7.5	10	-	-	34.2	19.5		123	121	116	108	98	87	75	58	31		118~58

Components & Materials



No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	412-3	O-ring	742	Bonnet
107	Delivery chamber	433	Mechanical seal	811	Casing
143	Net cover	440-1	Anti-sand pad	814	Stator core with winding
151	Sleeve	440-2	Anti-sand seat	818	Rotor
160-1	Bottom cover	505	Flat washer	822-1	Lower bearing block
160-2	Cover plate	520-1	Spacer bush	822-2	Oil chamber
171	Guide vane	520-2	Spacer bush	823	Pressure regulating film
173	Guide vane cover plate	520-3	Spacer bush	825-1	Small pressing plate
210	Pump shaft	529	Shaft sleeve	825-2	Cable pressing plate
230	Impeller	540	Upper spacer sleeve	825-3	Small pressing plate
231	Impeller string	540-1	Lowe sleeve insulating paper	861	Coupling
271	Anti-sand sleeve	545-1	Middle rubber bearing	903	Vent cock
321-1	Deep groove ball bearing	545-2	Rubber bearing	914	Hexagon socket head cap screw
321-2	Deep groove ball bearing	550	Adjusting washer	932-1	Retaining ring
382	Middle bearing block	552	Wave spring	932-2	Retaining ring
411	Wear washer	554	Flat washer	955	Dust cover
412-1	O-ring	560-1	Locating sleeve		
412-2	O-ring	560-2	Locating sleeve		



Dimensions & Weight

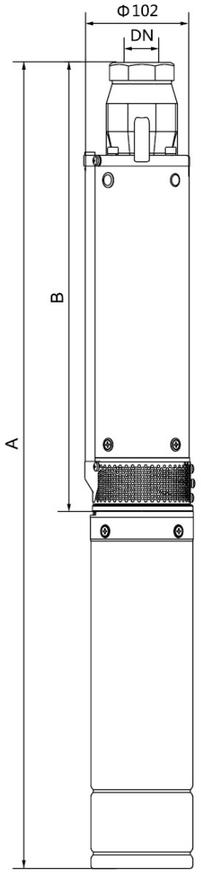
Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm2/5T	-	G1¼ NPT1¼	342	724	-	3.9	7.7	-
4SEm2/7T	-		392	794	-	4.3	8.7	-
4SEm2/9T	4SE2/9T		441	868	858	4.7	9.8	9.7
4SEm2/13T	4SE2/13T		541	1003	993	5.6	11.5	10.8
4SEm2/17T	4SE2/17T		640	1147	1102	6.3	13.6	11.4
4SEm2/24T	4SE2/24T		845	1412	1362	7.7	16.4	13.8
4SEm2/32T	4SE2/32T		1079	1773	1669	9.5	21.0	17.2
4SEm2/40T	4SE2/40T		1313	2067	1958	10.7	23.5	19.8

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm3/3T	-	G1¼ NPT1¼	303	700	-	3.4	7.7	-
4SEm3/5T	-		355	773	-	3.9	8.7	-
4SEm3/7T	4SE3/7T		407	855	777	4.3	9.8	9.7
4SEm3/9T	4SE3/9T		459	957	869	4.7	11.5	10.8
4SEm3/12T	4SE3/12T		573	1121	1003	5.3	13.6	11.4
4SEm3/18T	4SE3/18T		729	1327	1209	6.6	16.4	13.8
4SEm3/24T	4SE3/24T		920	1614	1467	8.0	21.0	17.2
4SEm3/32T	4SE3/32T		1159	1913	1786	9.8	23.5	19.8
-	4SE3/40T		1402	-	2094	11.8	-	23.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm4/3T	-	G1¼ NPT1¼	305	690	-	3.5	7.7	-
4SEm4/4T	-		334	739	-	3.8	8.7	-
4SEm4/6T	4SE4/6T		392	822	812	4.3	9.8	9.7
4SEm4/8T	4SE4/8T		451	916	906	4.7	11.5	10.8
4SEm4/11T	4SE4/11T		538	1048	1003	5.3	13.6	11.4
4SEm4/16T	4SE4/16T		753	1323	1273	6.5	16.4	13.8
4SEm4/22T	4SE4/22T		923	1617	1505	8.0	21.0	17.2
4SEm4/28T	4SE4/28T		1133	1887	1770	9.6	23.5	19.8
-	4SE4/35T		1336	-	2048	11.2	-	23.0

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm6/3T	-	G1½ NPT1½	316	718	-	3.5	8.7	-
4SEm6/4T	-		348	775	765	3.8	9.8	9.7
4SEm6/6T	4SE6/6T		414	876	866	4.3	11.5	10.8
4SEm6/8T	4SE6/8T		480	987	942	4.8	13.6	11.4
4SEm6/12T	4SE6/12T		647	1214	1164	5.8	16.4	13.8
4SEm6/16T	4SE6/16T		778	1472	1368	6.8	21.0	17.2
4SEm6/21T	4SE6/21T		977	1731	1622	8.0	23.5	19.8
-	4SE6/27T		1170	-	1890	9.4	-	23.0
-	4SE6/35T		1469	-	2289	11.6	-	29.3

Dimensions & Weight



Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm8/3T	4SE8/3T	G2 NPT2	339	787	709	3.7	9.8	9.7
4SEm8/5T	4SE8/5T		415	913	825	4.4	11.5	10.8
4SEm8/7T	4SE8/7T		526	1074	956	5.0	13.6	11.4
4SEm8/10T	4SE8/10T		641	1239	1121	5.8	16.4	13.8
4SEm8/13T	4SE8/13T		755	1449	1302	6.6	21.0	17.2
4SEm8/17T	4SE8/17T		942	1696	1569	7.9	23.5	19.8
-	4SE8/22T		1162	-	1854	9.2	-	23.0
-	4SE8/28T		1425	-	2232	11.4	-	29.3

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm10/4T	4SE10/4T	G2 NPT2	407	905	817	4.1	11.5	10.8
4SEm10/6T	4SE10/6T		518	1066	948	4.6	13.6	11.4
4SEm10/8T	4SE10/8T		594	1192	1074	5.1	16.4	13.8
4SEm10/10T	4SE10/10T		671	1320	1218	5.7	21.0	17.2
4SEm10/13T	4SE10/13T		785	1539	1412	6.6	23.5	19.8
-	4SE10/17T		972	-	1664	7.8	-	23.0
-	4SE10/22T		1162	-	1969	9.3	-	29.3

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm12/5T	4SE12/5T	G2 NPT2	555	1103	985	5.3	13.6	11.4
4SEm12/7T	4SE12/7T		652	1250	1132	6.2	16.4	13.8
4SEm12/9T	4SE12/9T		749	1443	1296	7.1	21.0	17.2
4SEm12/12T	4SE12/12T		951	1659	1578	8.4	23.5	19.8
-	4SE12/16T		1146	-	1838	10.1	-	23.0
-	4SE12/20T		1397	-	2204	12.2	-	29.3

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SEm16/3T	4SE16/3T	G2 NPT2	533	1081	963	4.8	13.6	11.4
4SEm16/5T	4SE16/5T		684	1282	1164	6.0	16.4	13.8
4SEm16/7T	4SE16/7T		836	1530	1383	7.1	21.0	17.2
4SEm16/9T	4SE16/9T		988	1701	1615	8.0	23.5	19.8
-	4SE16/12T		1215	-	1907	9.5	-	23.0
-	4SE16/15T		1442	-	2249	11.0	-	29.3

Packing Size & Weight

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm2/5T	-	-	-	-	810×125×125	-	13.1	-	1650	-
4SEm2/7T	-	-	-	-	890×125×125	-	14.5	-	1500	-
4SEm2/9T	4SE2/9T	-	-	-	955×125×125	955×125×125	16.0	15.9	1430	1500
4SEm2/13T	4SE2/13T	-	-	-	1100×125×125	1100×125×125	18.6	17.9	1230	1350
4SEm2/17T	4SE2/17T	-	-	-	1255×125×125	1210×125×125	21.4	19.2	1000	1120
4SEm2/24T	4SE2/24T	-	-	-	1520×125×125	1460×125×125	25.6	23	840	890
4SEm2/32T	4SE2/32T	825×125×125	780×125×125	1180×125×125	-	-	M:22.5 B:11	M:18.7 B:11	-	870
4SEm2/40T	4SE2/40T	920×125×125	780×125×125	1415×125×125	-	-	M:25 B:12.2	M:21.2 B:12.2	-	750

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm3/3T	-	-	-	-	770×125×125	-	12.6	-	1830	-
4SEm3/5T	-	-	-	-	850×125×125	-	14.1	-	1650	-
4SEm3/7T	4SE3/7T	-	-	-	935×125×125	935×125×125	15.6	15.5	1500	1650
4SEm3/9T	4SE3/9T	-	-	-	1020×125×125	1020×125×125	17.7	17.0	1350	1500
4SEm3/12T	4SE3/12T	-	-	-	1130×125×125	1075×125×125	20.4	18.2	1110	1230
4SEm3/18T	4SE3/18T	-	-	-	1360×125×125	1310×125×125	24.5	21.9	920	1050
4SEm3/24T	4SE3/24T	825×125×125	780×125×125	1020×125×125	-	-	M:22.5 B:9.5	M:18.7 B:9.5	-	1020
4SEm3/32T	4SE3/32T	920×125×125	780×125×125	1210×125×125	-	-	M:25 B:11.3	M:21.2 B:11.3	-	850
-	4SE3/40T	-	870×125×125	1460×125×125	-	-	-	M:24.6 B:13.3	-	720

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm4/3T	-	-	-	-	770×125×125	-	12.7	-	1830	-
4SEm4/4T	-	-	-	-	850×125×125	-	14.0	-	1650	-
4SEm4/6T	4SE4/6T	-	-	-	935×125×125	890×125×125	15.6	15.5	1500	1650
4SEm4/8T	4SE4/8T	-	-	-	1020×125×125	1020×125×125	17.7	17.0	1350	1500
4SEm4/11T	4SE4/11T	-	-	-	1130×125×125	1100×125×125	20.4	18.2	1110	1110
4SEm4/16T	4SE4/16T	-	-	-	1415×125×125	1360×125×125	24.4	21.8	920	870
4SEm4/22T	4SE4/22T	825×125×125	780×125×125	1020×125×125	-	-	M:22.5 B:9.5	M:18.7 B:9.5	-	1000
4SEm4/28T	4SE4/28T	920×125×125	780×125×125	1255×125×125	-	-	M:25 B:11.1	M:21.2 B:11.1	-	850
-	4SE4/35T	-	870×125×125	1415×125×125	-	-	-	M:24.6 B:12.7	-	720

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm6/3T	-	-	-	-	810×125×125	-	13.7	-	1650	-
4SEm6/4T	-	-	-	-	890×125×125	850×125×125	15.1	-	1500	1650
4SEm6/6T	4SE6/6T	-	-	-	955×125×125	955×125×125	17.3	16.6	1420	1500
4SEm6/8T	4SE6/8T	-	-	-	1100×125×125	1020×125×125	19.9	17.7	1200	1230
4SEm6/12T	4SE6/12T	-	-	-	1310×125×125	1255×125×125	23.7	21.1	1000	1120
4SEm6/16T	4SE6/16T	825×125×125	780×125×125	890×125×125	-	-	M:22.5 B:7.8	M:18.7 B:7.8	-	1150
4SEm6/21T	4SE6/21T	920×125×125	780×125×125	1075×125×125	-	-	M:25 B:9.5	M:21.2 B:9.5	-	970
-	4SE6/27T	-	870×125×125	1255×125×125	-	-	-	M:24.6 B:10.9	-	810
-	4SE6/35T	-	1015×125×125	1550×125×125	-	-	-	M:30 B:13.1	-	630

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm8/3T	4SE8/3T	-	-	-	850×125×125	850×125×125	15.0	-	1650	1830
4SEm8/5T	4SE8/5T	-	-	-	955×125×125	955×125×125	17.4	16.7	1420	1500
4SEm8/7T	4SE8/7T	-	-	-	1130×125×125	1075×125×125	20.1	17.9	1170	1300
4SEm8/10T	4SE8/10T	-	-	-	1310×125×125	1255×125×125	23.7	21.1	1000	1120
4SEm8/13T	4SE8/13T	825×125×125	780×125×125	850×125×125	-	-	M:22.5 B:8.1	M:18.7 B:8.1	-	1110
4SEm8/17T	4SE8/17T	920×125×125	780×125×125	1020×125×125	-	-	M:25 B:9.4	M:21.2 B:9.4	-	970
-	4SE8/22T	-	870×125×125	1280×125×125	-	-	-	M:24.6 B:10.7	-	800
-	4SE8/28T	-	1015×125×125	1500×125×125	-	-	-	M:30 B:12.9	-	680

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm10/4T	4SE10/4T	-	-	-	980×125×125	935×125×125	17.1	16.4	1350	1420
4SEm10/6T	4SE10/6T	-	-	-	1130×125×125	1020×125×125	19.7	17.5	1170	1300
4SEm10/8T	4SE10/8T	-	-	-	1250×125×125	1130×125×125	23.0	20.4	1050	1170
4SEm10/10T	4SE10/10T	825×125×125	780×125×125	770×125×125	-	-	M:22.5 B:7.2	M:18.7 B:7.2	-	1180
4SEm10/13T	4SE10/13T	920×125×125	780×125×125	890×125×125	-	-	M:25 B:8.1	M:21.2 B:8.1	-	1050
-	4SE10/17T	-	870×125×125	1075×125×125	-	-	-	M:24.6 B:9.3	-	890
-	4SE10/22T	-	1015×125×125	1255×125×125	-	-	-	M:30 B:10.8	-	770

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm12/5T	4SE12/5T	-	-	-	1180×125×125	1075×125×125	20.4	18.2	1120	1230
4SEm12/7T	4SE12/7T	-	-	-	1360×125×125	1250×125×125	24.1	21.5	960	1080
4SEm12/9T	4SE12/9T	825×125×125	780×125×125	890×125×125	-	-	M:22.5 B:8.6	M:18.7 B:8.6	-	1080
4SEm12/12T	4SE12/12T	920×125×125	780×125×125	1020×125×125	-	-	M:25 B:9.9	M:21.2 B:9.9	-	970
-	4SE12/16T	-	870×125×125	1220×125×125	-	-	-	M:24.6 B:11.6	-	830
-	4SE12/20T	-	1015×125×225	1500×125×125	-	-	-	M:30 B:13.7	-	690

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SEm16/3T	4SE16/3T	-	-	-	1180×125×125	1075×125×125	19.9	17.7	1120	1230
4SEm16/5T	4SE16/5T	-	-	-	1360×125×125	1360×125×125	23.9	21.3	960	1050
4SEm16/7T	4SE16/7T	825×125×125	780×125×125	890×125×125	-	-	M:22.5 B:8.6	M:18.7 B:8.6	-	1050
4SEm16/9T	4SE16/9T	920×125×125	780×125×125	1020×125×125	-	-	M:25 B:9.5	M:21.2 B:9.5	-	880
-	4SE16/12T	-	870×125×125	1255×125×125	-	-	-	M:24.6 B:11	-	790
-	4SE16/15T	-	1015×125×225	1500×125×125	-	-	-	M:30 B:12.5	-	680

4"Deep Well Pumps

4SS

Performance Range

Max. Flow: 10.8m³/h
Max. Head: 252m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion c ontent up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

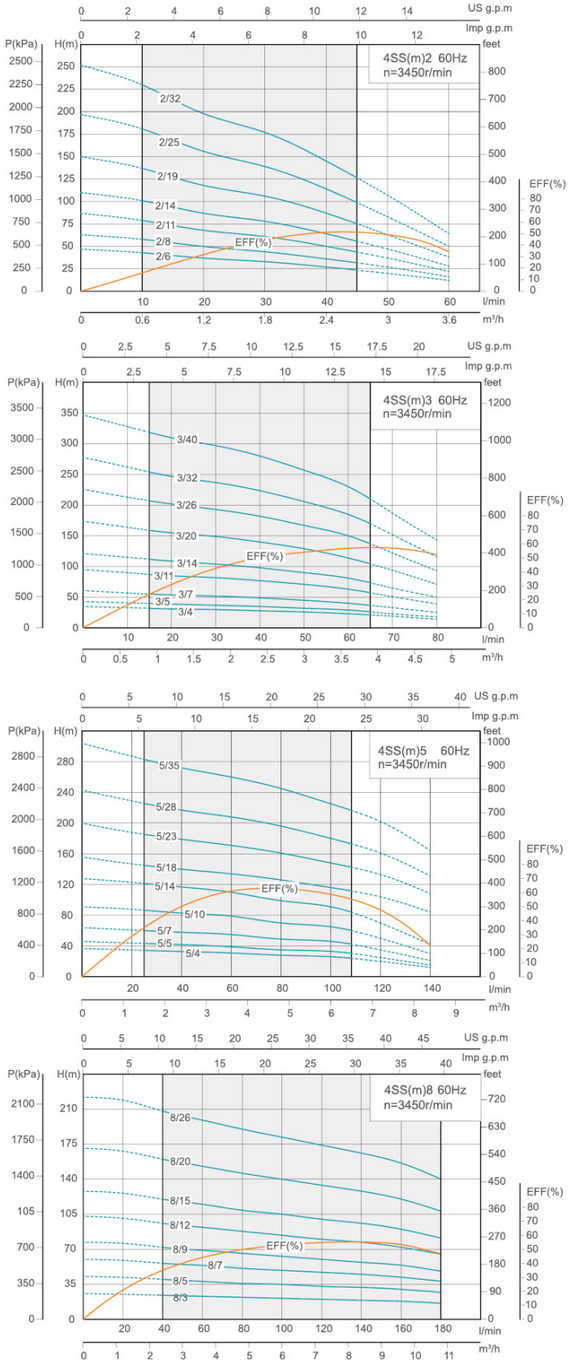
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Single phase motor equipped with start box which built in capacitor &current mode thermal protector, convenient for replacement;
◎ Available with stainless steel pump head, effective against the corrosion and abrasive wear;
◎ Installation in 4" or larger boreholes.

Model Instruction

4 SS (m) 2 / 6

- 6 — Number of Stages
- 2 — Rated Flow(m³/h)
- (m) — Phase Code: m=Single Phase, Blank = Three Phase
- SS — Type Range
- 4 — Minimum Suit Boreholes (Inch)

Performance Curve



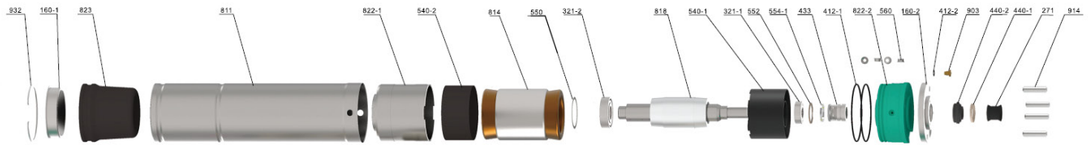
Model		Power		Rate Current (A)				Flow								Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	
4SSm2/6	-	0.37	0.5	6.6	3.3	-	-		47	43	37	33	27	20	12	43~24
4SSm2/8	-	0.55	0.75	9.3	4.6	-	-		63	58	50	44	36	27	16	58~32
4SSm2/11	4SS2/11	0.75	1	12	6	4.4	2.6		87	79	68	61	50	37	22	79~43
4SSm2/14	4SS2/14	1.1	1.5	16.8	8.4	5.9	3.4	H(m)	110	101	87	78	64	47	28	101~56
4SSm2/19	4SS2/19	1.5	2	-	10.9	7.6	4.4		150	137	118	106	87	63	38	137~75
4SSm2/25	4SS2/25	2.2	3	-	15.8	10.7	6.2		197	181	156	139	114	83	50	181~100
4SSm2/32	4SS2/32	3	4	-	21.0	14.4	8.3		252	230	198	177	145	107	64	230~125

Model		Power		Rate Current (A)				Flow									Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	10	20	30	40	50	60	70	80	
4SSm3/4	-	0.37	0.5	6.6	3.3	-	-		35	33	31	30	28	26	23	19	14	32~21
4SSm3/5	-	0.55	0.75	9.3	4.6	-	-		43	41	39	37	35	32	29	23	18	40~26
4SSm3/7	4SS3/7	0.75	1	12	6	4.4	2.6		61	57	54	52	49	45	40	33	25	55~37
4SSm3/11	4SS3/11	1.1	1.5	16.8	8.4	5.9	3.4		95	90	85	82	77	71	63	51	39	87~50
4SSm3/14	4SS3/14	1.5	2	-	10.9	7.6	4.4	H(m)	121	115	109	104	98	90	81	65	50	112~73
4SSm3/20	4SS3/20	2.2	3	-	15.8	10.7	6.2		174	164	155	149	140	129	115	94	71	159~104
4SSm3/26	4SS3/26	3	4	-	21.0	14.4	8.3		226	213	202	193	182	167	150	122	93	206~137
4SSm3/32	4SS3/32	4	5.5	-	27.0	18.7	10.8		278	262	248	238	224	206	184	150	114	254~168
-	4SS3/40	5.5	7.5	-	-	24.9	14.4		347	328	310	297	280	257	230	187	143	316~210

Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4		
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140		
4SSm5/4	-	0.55	0.75	9.3	4.6	-	-		37	35	33	31	28	26	20	12		34~24
4SSm5/5	4SS5/5	0.75	1	12	6	4.4	2.6		46	44	42	39	35	33	25	15		43~30
4SSm5/7	4SS5/7	1.1	1.5	16.8	8.4	5.9	3.4		64	61	58	55	49	46	35	21		60~42
4SSm5/10	4SS5/10	1.5	2	-	10.9	7.6	4.4		91	88	83	79	70	65	50	30		86~60
4SSm5/14	4SS5/14	2.2	3	-	15.8	10.7	6.2	H(m)	128	123	117	110	99	91	70	42		121~84
4SSm5/18	4SS5/18	3	4	-	21.0	14.4	8.3		156	147	140	134	126	116	104	84		145~111
4SSm5/23	4SS5/23	4	5.5	-	27.0	18.7	10.8		200	188	179	171	161	148	133	108		185~142
-	4SS5/28	5.5	7.5	-	-	24.9	14.4		243	229	217	208	196	180	161	131		225~171
-	4SS5/35	7.5	10	-	-	33.2	19.2		304	287	272	260	245	225	202	164		283~216

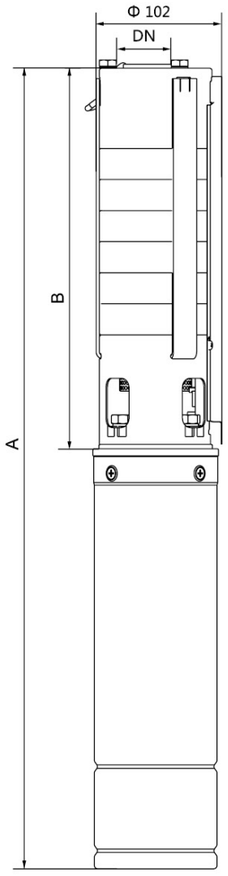
Model		Power		Rate Current (A)				Flow										Head Range (m)
Single-Phase	Three-Phase	kW	HP	Single-Phase		Three-Phase		m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
110V/220V	220V/380V			110V	220V	220V	380V	l/min	0	20	40	60	80	100	120	140	160	180
4SSm8/3	4SS8/3	0.75	1	12	6	4.4	2.6		26	25	24	23	22	21	20	19	18	16	34~24
4SSm8/5	4SS8/5	1.1	1.5	16.8	8.4	5.9	3.4		43	42	40	38	36	35	33	32	30	27	43~30
4SSm8/7	4SS8/7	1.5	2	-	10.9	7.6	4.4		60	59	56	54	51	49	47	45	42	38	60~42
4SSm8/9	4SS8/9	2.2	3	-	15.8	10.7	6.2		77	76	72	69	66	63	60	57	54	48	86~60
4SSm8/12	4SS8/12	3	4	-	21.0	14.4	8.3	H(m)	103	101	96	92	88	84	80	77	72	65	121~84
4SSm8/15	4SS8/15	4	5.5	-	27.0	18.7	10.8		128	126	120	115	109	105	100	96	90	81	145~111
-	4SS8/20	5.5	7.5	-	-	24.9	14.4		171	168	160	153	146	140	135	128	120	108	185~142
-	4SS8/26	7.5	10	-	-	33.2	19.2		222	219	208	199	190	182	174	166	156	140	225~171

Components & Materials



No.	Part name	No.	Part name
160-1	Bottom cover	554	Flat washer
160-2	Cover plate	560	Locating sleeve
271	Sand shaking sleeve	811	Casing
321-1	Deep groove ball bearing	814	Stator core with winding
321-2	Angular contact bearing	818	Rotor
412-1	O-ring	822-1	Lower bearing block
412-2	O-ring	822-2	Oil chamber
433	Mechanical seal	823	Pressure regulating film
440-1	Anti-sand pad	903	Vent cock
440-2	Anti-sand seat	914	Hexagon socket set screw
540-1	Upper spacer sleeve	932	Retaining ring
540-2	Lower spacer sleeve		
550	Adjusting washer		
552	Wave spring		

Dimensions & Weight



Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SSm2/6	-	G1¼ NPT1¼	291	610	-	2.8	7.7	-
4SSm2/8	-		333	672	-	3.2	8.7	-
4SSm2/11	4SS2/11		396	760	760	3.8	9.8	9.7
4SSm2/14	4SS2/14		459	858	863	4.4	11.5	10.8
4SSm2/19	4SS2/19		564	1008	988	5.5	13.6	11.4
4SSm2/25	4SS2/25		690	1224	1164	6.8	16.4	13.8
4SSm2/32	4SS2/32		837	1531	1378	8.2	21	13.8

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SSm3/4	-	G1¼ NPT1¼	249	568	-	2.3	7.7	-
4SSm3/5	-		270	609	-	2.6	8.7	-
4SSm3/7	4SS3/7		312	676	676	3.0	9.8	9.7
4SSm3/11	4SS3/11		396	795	800	3.8	11.5	10.8
4SSm3/14	4SS3/14		459	903	883	4.4	13.6	11.4
4SSm3/20	4SS3/20		585	1119	1059	5.7	16.4	13.8
4SSm3/26	4SS3/26		711	1405	1252	7.0	21	17.2
4SSm3/32	4SS3/32		837	1689	1458	8.2	23.5	19.8
-	4SS3/40		1005	-	1691	9.9	-	23

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SSm5/4	-	G1½ NPT1½	261	600	-	2.2	8.7	-
4SSm5/5	4SS5/5		285	649	649	2.5	9.8	9.7
4SSm5/7	4SS5/7		333	732	737	3.0	11.5	10.8
4SSm5/10	4SS5/10		405	849	829	3.7	13.6	11.4
4SSm5/14	4SS5/14		501	1035	975	4.6	16.4	13.8
4SSm5/18	4SS5/18		597	1424	1138	5.6	21	17.2
4SSm5/23	4SS5/23		717	1564	1338	6.8	23.5	19.8
-	4SS5/28		837	-	1523	8.0	-	23
-	4SS5/35		1005	-	1806	9.7	-	29.3

Model		Pipe Connedtion (DN)	Dim. (mm)			N.W.(kg)		
Single-phase	Three-phase		B	A Single-Phase	A Three-phase	Body(kg)	Motor(kg)	
							Single-phase	Three-phase
4SSm8/3	4SS8/3	G2 NPT2	291	706	706	3.3	9.8	9.7
4SSm8/5	4SS8/5		375	825	830	4.2	11.5	10.8
4SSm8/7	4SS8/7		459	954	934	5	13.6	11.4
4SSm8/9	4SS8/9		543	1128	1068	5.8	16.4	13.8
4SSm8/12	4SS8/12		669	1544	1261	7.1	21	17.2
4SSm8/15	4SS8/15		795	1689	1467	8.4	23.5	19.8
-	4SS8/20		1005	-	1742	10.5	-	23
-	4SS8/26		1257	-	2109	13	-	29.3

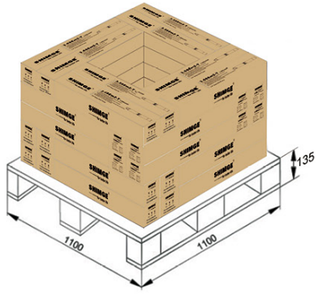
Packing Size & Weight

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SSm2/6	-	-	-	-	890×110×185	-	11.5	-	1490	-
4SSm2/8	-	-	-	-	955×110×185	-	13	-	1380	-
4SSm2/11	4SS2/11	-	-	-	1020×110×185	810×110×185	15	15	1290	1640
4SSm2/14	4SS2/14	-	-	-	1130×110×185	890×110×185	17.5	17	1160	1490
4SSm2/19	4SS2/19	-	-	-	1310×110×185	1020×110×185	20.5	18.5	990	1290
4SSm2/25	4SS2/25	-	-	-	1500×110×185	1220×110×185	24.5	22	860	1070
4SS2m/32	4SS2/32	825×125×125	690×125×125	890×125×125	-	-	M:22.5 B:9	M:18 B:9	-	1080

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SSm3/4	-	-	-	-	890×110×185	-	11	-	1490	-
4SSm3/5	-	-	-	-	890×110×185	-	12.5	-	1490	-
4SSm3/7	4SS3/7	-	-	-	955×110×185	730×110×185	14	14	1390	1830
4SSm3/11	4SS3/11	-	-	-	1075×110×185	890×110×185	17	16.5	1220	1490
4SSm3/14	4SS3/14	-	-	-	1180×110×185	935×110×185	19.5	17.5	1110	1410
4SSm3/20	4SS3/20	-	-	-	1415×110×185	1100×110×185	23.5	21	920	1190
4SSm3/26	4SS3/26	825×125×125	690×125×125	730×125×125	-	-	M:22.5 B:8	M:18 B:8	900	1200
4SSm3/32	4SS3/32	920×125×125	730×125×125	890×125×125	-	-	M:25 B:9	M:20.5 B:9	800	1050
-	4SS3/40	-	810×125×125	1075×125×125	-	-	-	M:24 B:11	-	980

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SSm5/4	-	-	-	-	890×110×185	-	12	-	1490	-
4SSm5/5	4SS5/5	-	-	-	935×110×185	730×110×185	13.5	13.5	1410	1830
4SSm5/7	4SS5/7	-	-	-	1020×110×185	810×110×185	15.5	15	1290	1640
4SSm5/10	4SS5/10	-	-	-	1130×110×185	890×110×185	18.5	16.5	1160	1490
4SSm5/14	4SS5/14	-	-	-	1310×110×185	1020×110×185	22.5	20	990	1290
4SSm5/18	4SS5/18	825×125×125	690×125×125	730×125×125	-	-	M:22.5 B:6	M:18 B:6	-	1200
4SSm5/23	4SS5/23	920×125×125	730×125×125	730×125×125	-	-	M:25 B:7.5	M:20.5 B:7.5	-	1170
-	4SS5/28	-	810×125×125	890×125×125	-	-	-	M:24 B:8.5	-	990
-	4SS5/35	-	935×125×125	1020×125×125	-	-	-	M:30.5 B:10.5	-	860

Model		Dim. (mm)					G.W.(kg)		20"Loading Qty.(pcs)	
Single-phase	Three-phase	Motor(L×W×H)		Body (L×W×H)	Pump(L×W×H)		Single-phase	Three-phase	Single-phase	Three-phase
		Single-phase	Three-phase		Single-phase	Three-phase				
4SSm8/3	4SS8/3	-	-	-	1020×110×185	810×110×185	14	14	1490	1490
4SSm8/5	4SS8/5	-	-	-	1130×110×185	935×110×185	17	16.5	1350	1350
4SSm8/7	4SS8/7	-	-	-	1255×110×185	1020×110×185	20	18	1160	1160
4SSm8/9	4SS8/9	-	-	-	1415×110×185	1180×110×185	23.5	21	1040	1040
4SSm8/12	4SS8/12	825×125×125	690×125×125	810×125×125	-	-	M:22.5 B:8	M:18 B:8	-	-
4SSm8/15	4SS8/15	920×125×125	730×125×125	890×125×125	-	-	M:25 B:9.5	M:20.5 B:9.5	-	-
-	4SS8/20	-	810×125×125	1100×125×125	-	-	-	M:24 B:11	-	-
-	4SS8/26	-	935×125×125	1360×125×125	-	-	-	M:30.5 B: 14	-	-



4"Deep Well Pumps

4TY

Performance Range

Flow:0m³/h-24m³/h
Head:10-250m
Power:0.75kW-4.4kW

Operating Conditions

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Features

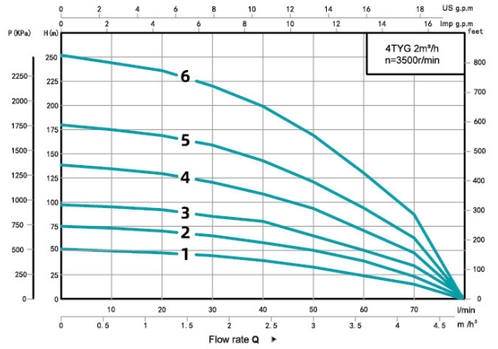
Permanent Magnet Synchronous Motor with VFD technology and efficiency increased by 15%-20%; Energy saving and low operating cost with less solar panels needed.
Edible oil filled motor, stable& reliable running with pressure regulating membrane; External controller:
1-IP 44 controller housing for outdoor use;
2-MPPT technology to maximise power use from PV modules;
3-Easy- to-operate LED display panel, monitor the working status of power, voltage and rpm;
4-VFD technology:Automatically operating according to the actual needs to achieve constant pressure and the goal of energy saving.
5-Soft start makes it no impact current, achieving a long service life;
6-Strong protection functions:Over current, over voltage, locked rotor, phase failure and dry run protection functions;
7-Float contorl avialble for automatic using;
8-AC/DC automatic or manual switching(Only available for models with input power P1 above 1.3KW).

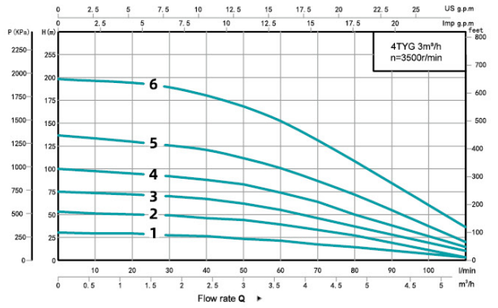
Model Instruction

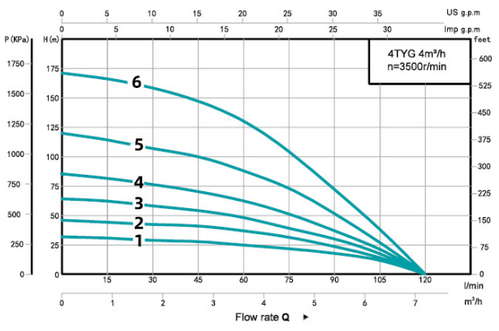
4TY G 5-138-310-2 A/D

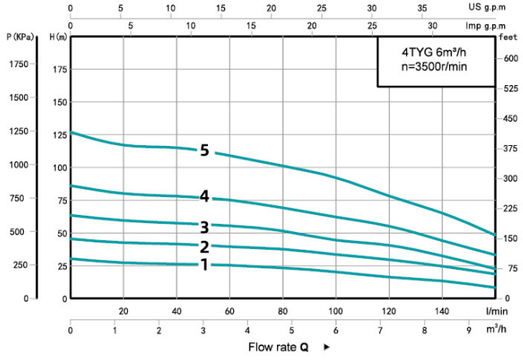
- A/D: AD/DC Switch function
- 2: Input Power(kW)
- 310: Rated DC Voltage
- 138: Max Head(m)
- 5: Max Flow(m³/h)
- G: G:Platsic Impeller S:304 SS Impeller
- 4TY: 4TY:4 Inch Solar deep well pump

Performance Curve

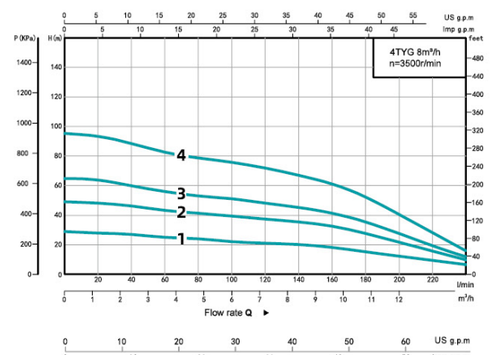


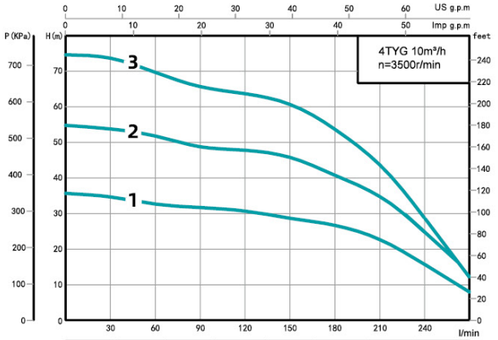


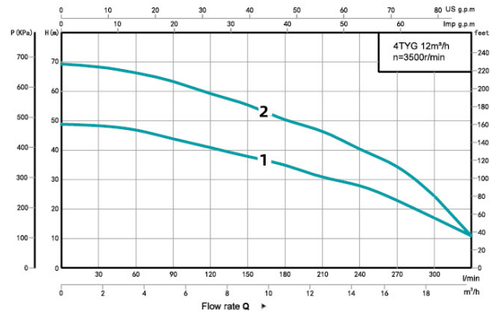


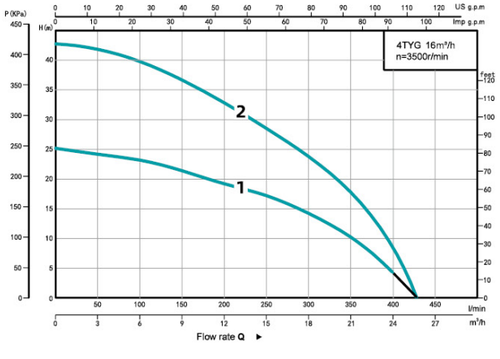


Performance Curve

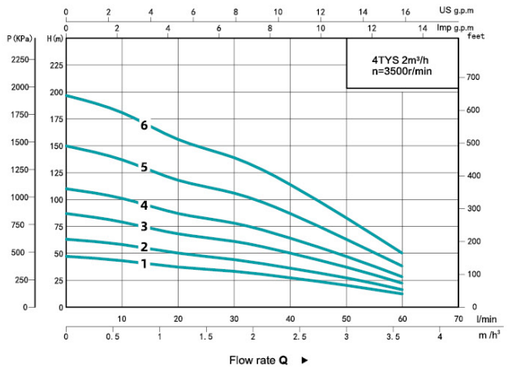


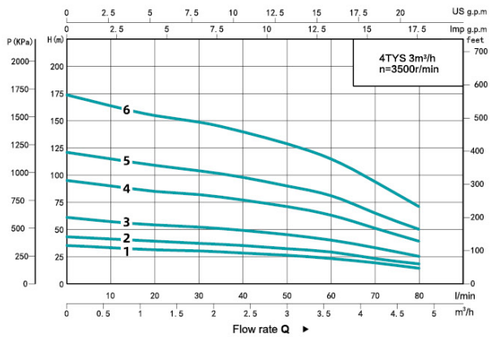


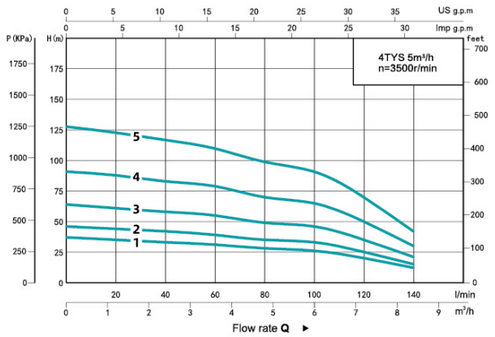


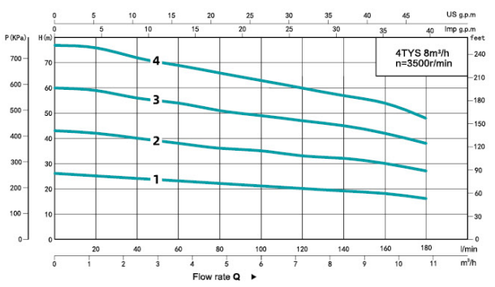


Performance Curve









No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow									Recommend Solar Pannel Power(W)
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	
		(W)	Voc(V)	m³/h	m	l/min	0	10	20	30	40	50	60	70	
1	4TYG 5-52-72-0.9	0.9	60-90	5	52	H(m)	52	50	48	45	40	33	24	15	≥1200
2	4TYG 5-75-96-1.1	1.1	100-140	5	75		75	73	70	65	58	50	39	23	≥1400
3	4TYG 5-94-120-1.3	1.3	120-160	5	94		94	92	89	82	77	62	47	31	≥1700
4	4TYG 5-138-310-2 A/D	2.2	300-405	5	138		138	134	129	120	108	93	70	47	≥2800
5	4TYG 5-180-310-2.6 A/D	2.6	300-405	5	180		180	175	169	159	143	121	94	63	≥3300
6	4TYG 5-258-310-3.4A/D	3.4	300-405	5	258		258	250	242	226	205	175	136	93	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow											Recommend Solar Pannel Power(W)
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	
		(W)	Voc(V)	m³/h	m	l/min	0	10	20	30	40	50	60	70	80	90	
1	4TYG 6.5-31-72-0.75	0.75	60-90	6.5	31	H(m)	31	30.1	30	28	27	24	18	18	15	12	≥1000
2	4TYG 6.5-53-96-1.1	1.1	100-140	6.5	53		51.2	51	50	49	46	44	33	33	27	19	≥1400
3	4TYG 6.5-75-120-1.3	1.3	120-160	6.5	75		75	72.2	72	70	67	62	46	46	37	28	≥1700
4	4TYG 6.5-98-310-2 A/D	2.2	300-405	6.5	98		95	94	93	90	86	81	62	62	48	33	≥2300
5	4TYG 6.5-132-310-2.6A/D	2.6	300-405	6.5	132		127	126	125	121	116	107	82	82	67	50	≥3300
6	4TYG 6.5-195-310-3.4 A/D		300-405	6.5	195		194	193	191	186	177	165	128	128	105	81	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow										Recommend Solar Pannel Power(W)
						m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	
		(W)	Voc(V)	m³/h	m	l/min	0	15	30	45	60	75	90	105	120	
1	4TYG 8-30-72-0.75	0.75	60-90	8	30	H(m)	30	28	27	26	23	20	16	10	3	≥1000
2	4TYG 8-42-96-1.1	1.1	100-140	8	42		42	39	38	37	33	29	23	16	7	≥1400
3	4TYG 8-64-120-1.3	1.3	120-160	8	64		64	61	58	56	51	45	36	25	12	≥1700
4	4TYG 8-85-310-2A/D	2.2	300-405	8	85		85	81	79	75	69	60	49	35	17	≥2300
5	4TYG 8-117-310-2.6A/D	2.6	300-405	8	117		117	111	108	102	94	83	67	48	26	≥3300
6	4TYG 8-171-310-3.4A/D	3.4	300-405	8	171		171	163	158	151	139	124	101	74	38	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow										Recommend Solar Pannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	
		(W)	Voc(V)	m³/h	m	l/min	0	20	40	60	80	100	120	140	160	
1	4TYG 12-32-96-1.1	1.1	100-140	12	32	H(m)	32	29	28	27	25	22	20	15	10	≥1400
2	4TYG 12-42-120-1.2	1.2	120-160	12	42		42	39	38	36	34	30	26	21	15	≥1500
3	4TYG 12-64-310-2 A/D	1.8	300-405	12	64		64	60	58	56	52	45	41	33	23	≥2300
4	4TYG 12-86-310-2.6A/D	2.6	300-405	12	86		86	80	78	75	69	62	55	44	33	≥3300
5	4TYG 12-128-310-3.4 A/D		300-405	12	128		128	118	116	110	102	93	79	66	49	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow												Recommend Solar Pannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	
		(W)	Voc(V)	m³/h	m	l/min	0	20	40	60	80	100	120	140	160	180	200	
1	4TYG 15-28-120-1.1	1.1	120-160	15	28	H(m)	28	27	26	24	23	21	20	19	17	14	11	≥1400
2	4TYG 15-46-310-2A/D	1.8	300-405	15	46		46	45	43	40	38	36	34	32	29	24	18	≥2300
3	4TYG 15-65-310-2.6A/D	2.6	300-405	15	65		65	64	60	56	53	51	48	45	41	35	27	≥3300
4	4TYG 15-94-310-3.4A/D	3.4	300-405	15	94		94	92	87	81	77	74	70	65	59	50	38	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow										Recommend Solar Pannel Power(W)
						m³/h	0	1.8	3.6	5.4	72	9	10.8	12.6	14.4	
		(W)	Voc(V)	m³/h	m	l/min	0	30	60	90	120	150	180	210	240	
1	4TYG 17.5-36-310-2A/D	2.2	300-405	17.5	36		36	35	33	32	31	29	27	23	16	≥2800
2	4TYG 17.5-54-310-2.6A/D	2.6	300-405	17.5	54	H(m)	54	53	51	48	47	45	40	34	24	≥3300
3	4TYG 17.5-74-310-3.4A/D	3.4	300-405	17.5	74		74	73	69	65	63	60	53	43	28	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow											Recommend Solar Pannel Power(W)
						m³/h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	
		(W)	Voc(V)	m³/h	m	l/min	0	30	60	90	120	150	180	210	240	270	300	
1	4TYG 22-48-310-2.6A/D	2.6	300-405	22	48	H(m)	48	47	46	43	40	37	34	30	27	22	16	≥3300
2	4TYG 22-68-310-3.4A/D	3.4	300-405	22	68		68	67	65	62	57	54	49	45	39	33	23	≥4400

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow										Recommend Solar Pannel Power(W)
						m³/h	0	3	6	9	12	15	18	21	24	
		(W)	Voc(V)	m³/h	m	l/min	0	50	100	150	200	250	300	350	400	
1	4TYG 24.8-26-310-2.6A/D	2.6	300-405	24.8	26	H(m)	27	25	24	22	20	18	15	11	5	≥2800
2	4TYG 24.8-43-310-3.4A/D	3.4	300-405	24.8	43		43	41	40	36	31	28	24	18	8	≥4400

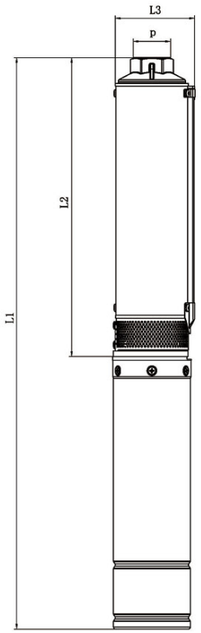
No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow								Recommend Solar Pannel Power(W)
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	
		(W)	Voc(V)	m³/h	m	l/min	0	10	20	30	40	50	60	
1	4TYS 4.5-52-72-0.9	0.9	60-90	4.5	52		47	43	37	33	27	20	12	≥ 1200
2	4TYS 4.5-70-96-1.1	1.1	100-140	4.5	70		63	58	50	44	36	27	16	≥ 1400
3	4TYS 4.5-85-120-1.3	1.3	120-160	4.5	85	H (m)	87	79	68	61	50	37	22	≥ 1700
4	4TYS 4.5-125-310-2A/D	2	300-405	4.5	125		110	101	87	78	64	47	28	≥ 2500
5	4TYS 4.5-170-310-2.6A/D	2.6	300-405	4.5	170		150	137	118	106	87	63	38	≥ 3300
6	4TYS 4.5-230-310-3.4A/D	3.4	300-405	4.5	230		197	181	156	139	114	83	50	≥ 4300

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow									Recommend Solar Pannel Power(W)
						m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	
		(W)	Voc(V)	m³/h	m	l/min	0	10	20	30	40	50	60	70	80	
1	4TYS 6-35-72-0.75	0.75	60-90	6	35		35	33	31	30	28	26	23	19	14	≥ 1000
2	4TYS 6-43-96-1.1	1.1	100-140	6	43		43	41	39	37	35	32	29	23	18	≥ 1400
3	4TYS 6-61-120-1.3	1.3	120-160	6	61	H (m)	61	57	54	52	49	45	40	33	25	≥ 1700
4	4TYS 6-95-310-2A/D	2	300-405	6	95		95	90	85	82	77	71	63	51	39	≥ 2500
5	4TYS 6-121-310-2.6A/D	2.6	300-405	6	121		121	115	109	104	98	90	81	65	50	≥ 3300
6	4TYS 6-174-310-3.4A/D	3.4	300-405	6	174		174	164	155	149	140	129	115	94	71	≥ 4300

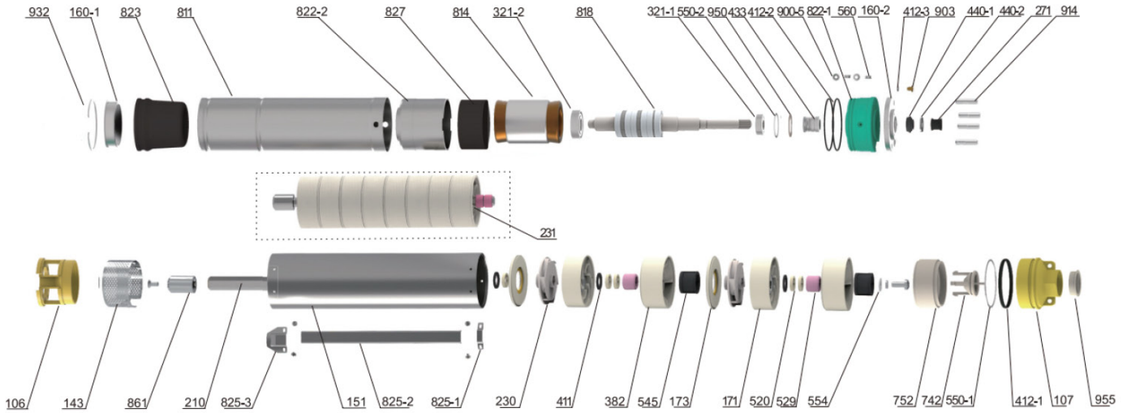
No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow								Recommend Solar Pannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	
		(W)	Voc(V)	m³/h	m	l/min	0	20	40	60	80	100	120	140	
1	4TYS 9.5-37-96-1.1	1.1	100-140	9.5	37		37	35	33	31	28	26	20	12	≥ 1400
2	4TYS 9.5-46-120-1.3	1.3	120-160	9.5	46		46	44	42	39	35	33	25	15	≥ 1700
3	4TYS 9.5-64-310-2A/D	2	300-405	9.5	64	H (m)	64	61	58	55	49	46	35	21	≥ 2500
4	4TYS 9.5-91-310-2.6A/D	2.6	300-405	9.5	91		91	88	83	79	70	65	50	30	≥ 3300
5	4TYS 9.5-128-310-3.4A/D	3.4	300-405	9.5	128		128	123	117	110	99	91	70	42	≥ 4300

No.	Model	Input Power P1	Best DC Range	Max. Flow	Max. Head	Flow										Recommend Solar Pannel Power(W)
						m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
		(W)	Voc(V)	m³/h	m	l/min	0	20	40	60	80	100	120	140	160	180	
1	4TYS 16-26-120-1.3	1.3	120-160	16	26		26	25	24	23	22	21	20	19	18	16	≥ 1700
2	4TYS 16-43-310-2A/D	2	300-405	16	43		43	42	40	38	36	35	33	32	30	27	≥ 2500
3	4TYS 16-60-310-2.6A/D	2.6	300-405	16	60	H (m)	60	59	56	54	51	49	47	45	42	38	≥ 3300
4	4TYS 16-77-310-3.4A/D	3.4	300-405	16	77		77	76	72	69	66	63	60	57	54	48	≥ 4300

	Model	P - Pipe Connection (Inch)	L1 (mm)	L2 (mm)	L3 (mm)	G.W.(KG)	Package Size (mm)	PV Panel Connection (340W 45V)
4TYG	4TYG5-52-72-0.9	G1-1/4	610	286.5	102	14.0	1030×255×125	2S2P
	4TYG5-75-96-1.1	G1-1/4z	665	336.5	102	15.0	1090×255×125	3S2P
	4TYG5-94-120-1.3	G1-1/4	723	387.5	102	15.0	1130×255×125	3S2P
	4TYG□5-138-310-2-A/D	G1-1/4	828	481.5	102	24.0	1370×290×195	8S
	4TYG□5-180-310-2.6-A/D	G1-1/4	938	581.5	102	25.0	1480×290×195	9S
	4TYG□5-258-310-3.4-A/D	G1-1/4	1170	790.5	102	29.0	1710×290×195	7S2P
	4TYG6.5-31-72-0.75	G1-1/4	561	237.5	102	14.0	970×255×125	2S2P
	4TYG6.5-53-96-1.1	G1-1/4	618	289.5	102	14.0	1030×255×125	3S2P
	4TYG6.5-75-120-1.3	G1-1/4	677	341.5	102	15.0	1090×255×125	3S2P
	4TYG□6.5-98-310-2-A/D	G1-1/4	740	393.5	102	23.0	1280×290×195	8S
	4TYG□6.5-132-310-2.6-A/D	G1-1/4	828	471.5	102	24.0	1370×290×195	9S
	4TYG□6.5-195-310-3.4-A/D	G1-1/4	1007	627.5	102	27.0	1550×290×195	7S2P
	4TYG8-30-72-0.75	G1-1/4	570	246.5	102	14.0	990×255×125	2S2P
	4TYG8-42-96-1.1	G1-1/4	604	275.5	102	14.0	1030×255×125	3S2P
	4TYG8-64-120-1.3	G1-1/4	669	333.5	102	15.0	1090×255×125	3S2P
	4TYG□8-85-310-2-A/D	G1-1/4	738	391.5	102	23.0	1280×290×195	8S
	4TYG□8-117-310-2.6-A/D	G1-1/4	835	478.5	102	24.0	1370×290×195	9S
	4TYG□8-171-310-3.4-A/D	G1-1/4	1073	693.5	102	27.5	1610×290×195	7S2P
	4TYG12-32-96-1.1	G1-1/2	580	251.5	102	14.0	990×255×125	3S2P
	4TYG12-42-120-1.2	G1-1/2	618	282.5	102	14.0	1030×255×125	3S2P
	4TYG□12-64-310-2-A/D	G1-1/2	702	355.5	102	22.0	1240×290×195	8S
	4TYG□12-86-310-2.6-A/D	G1-1/2	778	421.5	102	23.0	1320×290×195	9S
	4TYG□12-128-310-3.4-A/D	G1-1/2	967	587.5	102	26.0	1510×290×195	7S2P
	4TYG15-28-120-1.1	G2	609	273.5	102	14.0	1030×255×125	3S2P
	4TYG□15-46-310-2-A/D	G2	696	349.5	102	22.0	1240×290×195	8S
	4TYG□15-65-310-2.6-A/D	G2	782	425.5	102	23.5	1320×290×195	9S
	4TYG□15-94-310-3.4-A/D	G2	954	574.5	102	26.0	1490×290×195	7S2P
	4TYG□175-36-310-2-A/D	G2	659	312.5	102	21.5	1200×290×195	8S
	4TYG□175-54-310-2.6-A/D	G2	744	387.5	102	23.0	1280×290×195	9S
	4TYG□175-74-310-3.4-A/D	G2	878	498.5	102	25.0	1420×290×195	7S2P
	4TYG□22-48-310-2.6-A/D	G2	815	458.5	102	24.0	1350×290×195	9S
	4TYG□22-68-310-3.4-A/D	G2	935	555.5	102	26.0	1470×290×195	7S2P
	4TYG□25-26-310-2.6-A/D	G2	793	436.5	102	23.0	1330×290×195	9S
	4TYG□25-43-310-3.4-A/D	G2	968	588.5	102	26.5	1510×290×195	7S2P
4TYS	4TYS□4.5-52-72-09	G1-1/4	577	285.5	102	14.0	990×255×125	2S2P
	4TYS□4.5-70-96-1.1	G1-1/4	624	290.5	102	15.0	1030×255×125	3S2P
	4TYS□4.5-85-120-1.3	G1-1/4	694	297.5	102	15.5	1090×255×125	3S2P
	4TYS□4.5-125-310-2-A/D	G1-1/4	768	308.5	102	25.5	1300×290×195	8S
	4TYS□4.5-170-310-2.6-A/D	G1-1/4	883	318.5	102	27.5	1410×290×195	9S
	4TYS□4.5-230-310-3.4-A/D	G1-1/4	1032	341.5	102	30.0	1560×290×195	7S2P
	4TYS□6-35-72--075	G1-1/4	535	285.5	102	14.0	950×255×125	2S2P
	4TYS□6-43-96-11	G1-1/4	561	290.5	102	14.0	970×255×125	3S2P
	4TYS□6-61-120-1.3	G1-1/4	610	297.5	102	15.0	1030×255×125	3S2P
	4TYS□6-95-310-2-A/D	G1-1/4	705	308.5	102	24.5	1230×290×195	8S
	4TYS□6-121-310-2.6-A/D	G1-1/4	778	318.5	102	25.5	1300×290×195	9S
	4TYS□6-174-310-3.4-A/D	G1-1/4	927	341.5	102	30.0	1450×290×195	7S2P
	4TYS□9.5-37-96-1.1	G1-1/2	553	290.5	102	14.0	970×255×125	3S2P
	4TYS□9.5-46-120-1.3	G1-1/2	583	297.5	102	14.5	990×255×125	3S2P
	4TYS□9.5-64-310-2-A/D	G1-1/2	642	308.5	102	24.0	1170×290×195	8S
	4TYS□9.5-91-310-2.6-A/D	G1-1/2	724	318.5	102	24.5	1250×290×195	9S
	4TYS□9.5-128-310-3.4-A/D	G1-1/2	843	341.5	102	28.5	1370×290×195	7S2P
	4TYS□16-26-120-13	G2	589	297.5	102	15.0	990×255×125	3S2P
	4TYS□16-43-310-2-A/D	G2	684	308.5	102	25.0	1210×290×195	8S
	4TYS□16-60-310-2.6-A/D	G2	778	318.5	102	26.5	1300×290×195	9S
	4TYS□16-77-310-3.4-A/D	G2	885	341.5	102	30.0	1410×290×195	7S2P

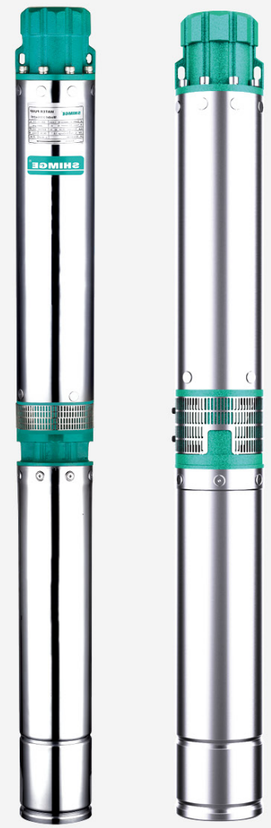


Components & Materials



No.	Part name	No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	321-1	Deep groove ball bearing	545	Rubber bearing	825-1	Clamp
107	Delivery chamber	321-2	Deep groove ball bearing	550-1	Adjusting washer	825-2	Cable clamp
143	Net cover	382	Bearing seat	550-2	Washer	825-3	Clamp
151	Sleeve	411	Wear washer	554	Washer	827	Top spacer sleeve
160-1	Bottom cover	412-1	O-ring	560	Location pin	904	Air release cock
160-2	Cover plate	412-2	O-ring	742	Bonnet	914	Hexagon socket set screw
171	Guide vane	412-3	O-ring	752	Valve set	932	Spacer sleeve
173	Guide vane cover plate	433	Mechanical seal	814	Stator	950	Wave spring
210	Pump shaft	440-1	Sand prevention seat	818	Rotor	955	Dust prevention cover
230	Impeller	440-2	Sand prevention pad	822-1	Oil chamber		
231	Impeller string	520	spacer bush	822-2	Bottom bearing seat		
271	Sand prevention cover	529	shaft sleeve	823	regulating membrane		

6"Deep Well Pumps



6SE 6SE-K2

Performance Range

Max. Flow: 72m³/h
Max. Head: 403m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

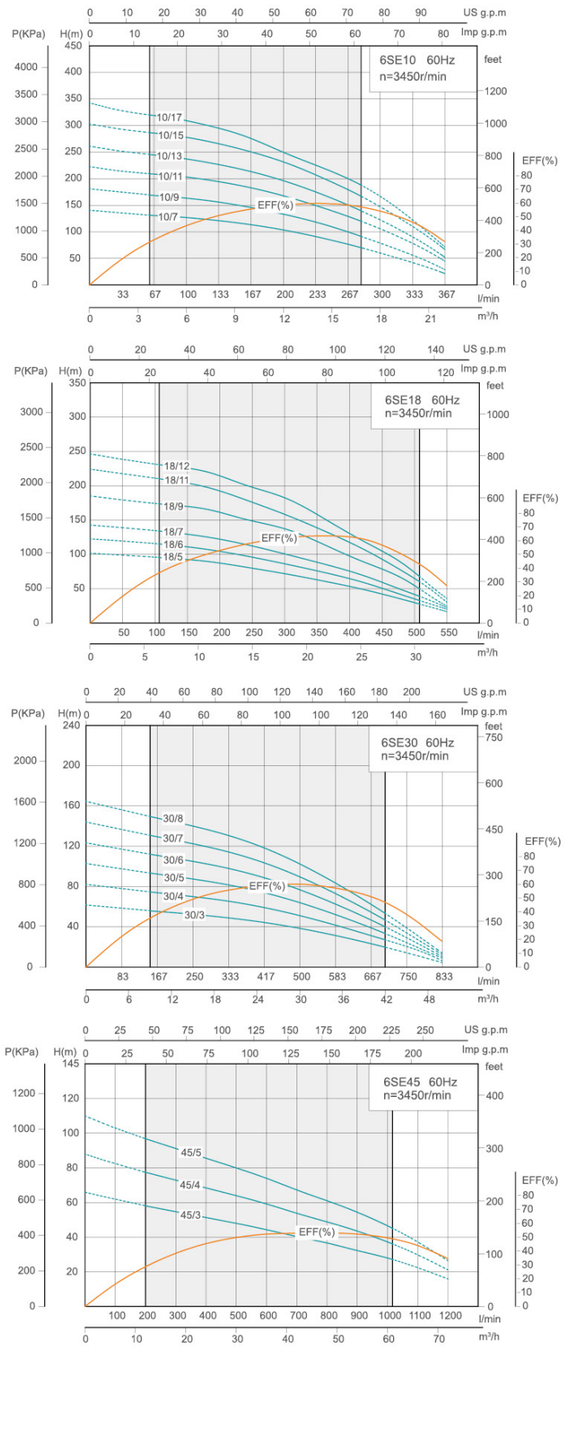
◎ Edible oil filled motor, stable& reliable running with pressure
regulating membrane;
◎ Available with pump casing with plug, integrated stage floating impellers;
◎ Installation in 6" or larger boreholes.

Model Instruction

6 SE 10 / 7-K2

- Type Range
- Number of Stages
- Rated Flow(m³/h)
- Type Range
- Minimum Suit Boreholes (Inch)

Performance Curve



Model	Power		Current (A)	Flow													Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	2	4	6	8	10	12	14	16	18	20	22	
220V/380V			220V/380V	l/min	0	33	67	100	133	167	200	233	267	300	333	367	
6SE 10/7	5.5	7.5	22.5/13	H(m)	141	135	131	127	121	114	104	90	77	60	42	21	132~69
6SE 10/9	7.5	10	31.2/18		181	174	169	164	156	146	133	118	100	79	56	29	170~91
6SE 10/11	9.2	12.5	36.4/21		225	214	209	203	195	183	168	150	129	106	78	45	210~119
6SE 10/13	11	15	41.6/24		261	251	245	237	225	213	196	175	150	122	91	52	246~138
6SE 10/15	13	17.5	45/26		300	293	286	278	266	250	232	207	179	147	110	67	287~166
6SE 10/17	15	20	48.5/28		343	328	319	309	295	276	250	225	200	167	122	72	321~186

Model	Power		Current (A)	Flow													Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	3	6	9	12	15	18	21	24	27	30	33	
220V/380V			220V/380V	l/min	0	50	100	150	200	250	300	350	400	450	500	550	
6SE 18/5	5.5	7.5	22.5/13	H(m)	102	99	96	93	88	80	72	63	53	42	30	17	96~28
6SE 18/6	7.5	10	31.2/18		123	120	116	111	105	96	86	76	65	51	35	20	115~33
6SE 18/7	9.2	12.5	36.4/21		143	139	135	130	122	112	101	89	76	59	42	22	134~39
6SE 18/9	11	15	41.6/24		185	180	174	170	161	149	137	119	98	79	55	24	174~50
6SE 18/11	13	17.5	45/26		224	218	211	204	193	176	158	139	130	93	65	30	210~61
6SE 18/12	15	20	48.5/28		247	239	232	226	215	198	183	158	130	105	74	36	231~68

Model	Power		Current (A)	Flow														Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	5	10	15	20	25	30	35	40	45	50			
220V/380V			220V/380V	l/min	0	83	167	250	333	417	500	583	667	750	833			
6SE 30/3	5.5	7.5	22.5/13	H(m)	62	58	55	53	49	44	39	31	23	14	4			56~19
6SE 30/4	7.5	10	31.2/18		82	78	74	70	66	59	51	42	31	21	6			75~27
6SE 30/5	9.2	12.5	36.4/21		103	98	93	88	82	74	65	52	39	24	9			94~33
6SE 30/6	11	15	41.6/24		124	117	111	105	98	89	77	63	47	29	11			112~39
6SE 30/7	13	17.5	45/26		144	137	130	123	114	104	90	73	55	34	13			131~46
6SE 30/8	15	20	48.5/28		165	156	148	140	131	118	103	84	62	39	14			150~52

Model	Power		Current (A)	Flow														Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	
220V/380V			220V/380V	l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	
6SE 45/3	7.5	10	31.2/18	H(m)	66	62	58	55	51	48	44	40	37	32	28	22	16	58~27
6SE 45/4	11	15	41.6/24		88	82	77	73	68	64	59	54	49	43	37	30	21	77~36
6SE 45/5	15	20	48.5/28		110	103	97	91	86	80	74	67	61	54	47	37	26	96~45

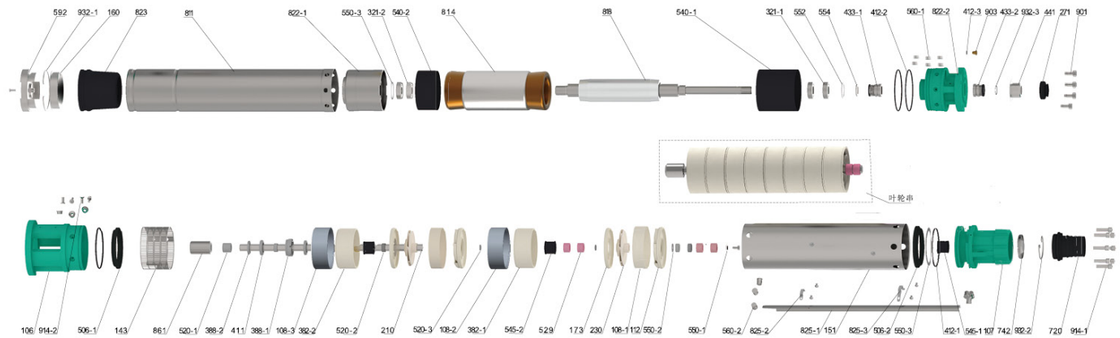
Model	Power		Current (A)	Flow												Head Range (m)
Three-Phase	kW	HP	Three-Phase	m^3/h	0	2	4	6	8	10	12	14	16	18	20	22	
220V/380V/440V			220V/380V/440V	l/min	0	33	67	100	133	167	200	233	267	300	333	367	
6SE10/7-K2	5.5	7.5	22.5/13/9.89	H(m)	141	135	131	127	121	114	104	90	77	60	42	21	132~69
6SE10/9-K2	7.5	10	31.2/18/12.92		181	174	169	164	156	146	133	118	100	79	56	29	170~91
6SE10/11-K2	9.2	12.5	36.4/21/16.53		225	214	209	203	195	183	168	150	129	106	78	45	210~119
6SE10/13-K2	11	15	41.6/24/21.7		261	251	245	237	225	213	196	175	150	122	91	52	246~138
6SE10/15-K2	13	17.5	/26/25		300	293	286	278	266	250	232	207	179	147	110	67	287~166
6SE10/17-K2	15	20	/28/28.3		343	328	319	309	295	276	250	225	200	167	122	72	321~186

Model	Power		Current (A)	Flow												Head Range (m)
Three-Phase	kW	HP	Three-Phase	m^3/h	0	3	6	9	12	15	18	21	24	27	30	33	
220V/380V/440V			220V/380V/440V	l/min	0	50	100	150	200	250	300	350	400	450	500	550	
6SE18/5-K2	5.5	7.5	22.5/13/9.89	H(m)	102	99	96	93	88	80	72	63	53	42	30	17	96~28
6SE18/6-K2	7.5	10	31.2/18/12.92		123	120	116	111	105	96	86	76	65	51	35	20	115~33
6SE18/7-K2	9.2	12.5	36.4/21/16.53		143	139	135	130	122	112	101	89	76	59	42	22	134~39
6SE18/9-K2	11	15	41.6/24/21.7		185	180	174	170	161	149	137	119	98	79	55	24	174~50
6SE18/11-K2	13	17.5	/26/25		224	218	211	204	193	176	158	139	130	93	65	30	210~61
6SE18/12-K2	15	20	/28/28.3		247	239	232	226	215	198	183	158	130	105	74	36	231~68

Model	Power		Current (A)	Flow												Head Range (m)
Three-Phase	kW	HP	Three-Phase	m^3/h	0	5	10	15	20	25	30	35	40	45	50	
220V/380V/440V			220V/380V/440V	l/min	0	83	167	250	333	417	500	583	667	750	833	
6SE30/3-K2	5.5	7.5	22.5/13/9.89	H(m)	62	58	55	53	49	44	39	31	23	14	4	56~19
6SE30/4-K2	7.5	10	31.2/18/12.92		82	78	74	70	66	59	51	42	31	21	6	75~27
6SE30/5-K2	9.2	12.5	36.4/21/16.53		103	98	93	88	82	74	65	52	39	24	9	94~33
6SE30/6-K2	11	15	41.6/24/21.7		124	117	111	105	98	89	77	63	47	29	11	112~39
6SE30/7-K2	13	17.5	/26/25		144	137	130	123	114	104	90	73	55	34	13	131~46
6SE30/8-K2	15	20	/28/28.3		165	156	148	140	131	118	103	84	62	39	14	150~52

Model	Power		Current (A)	Flow													Head Range (m)
Three-Phase	kW	HP	Three-Phase	m^3/h	0	6	12	18	24	30	36	42	48	54	60	66	72	
220V/380V/440V			220V/380V/440V	l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	
6SE45/3-K2	7.5	10	31.2/18/12.92	H(m)	66	62	58	55	51	48	44	40	37	32	28	22	16	58~27
6SE45/4-K2	11	15	41.6/24/21.7		88	82	77	73	68	64	59	54	49	43	37	30	21	77~36
6SE45/5-K2	15	20	/28/28.3		110	103	97	91	86	80	74	67	61	54	47	37	26	96~45

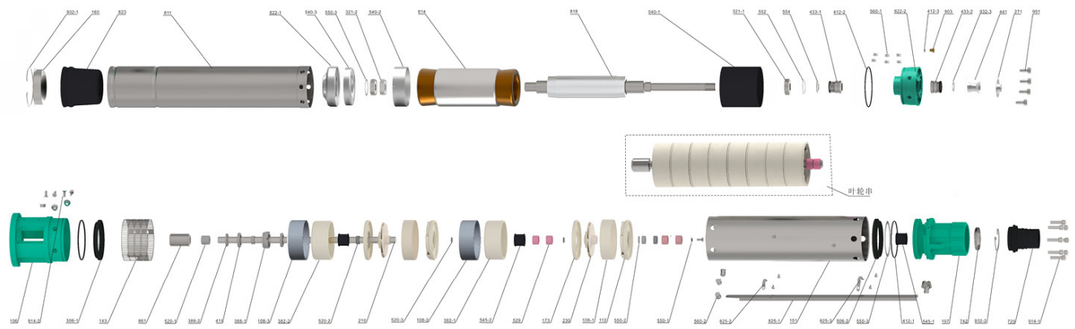
Components & Materials



6SE

No.	Part name	No.	Part name	No.	Part name
106	Inlet joint	412-2	O-ring	592	Base
107	Delivery chamber	412-3	O-ring	720	Outlet joint
108-1	Guide vane ring	433-1	Mechanical seal	742	Bonnet
108-2	Intermediate support seat ring	433-2	Mechanical seal	811	Casing
108-3	Lower support seat ring	441	Stainless steel sleeve	814	Stator core with winding
112	Flow deflector	506-1	Inlet joint ring	818	Rotor
143	Net cover	506-2	Delivery chamber ring	822-1	Lower bearing block
151	Upper sleeve	520-1	Spacer bush	822-2	Oil chamber
160	Bottom cover	520-2	Spacer bush	823	Pressure regulating film
173	Guide vane cover plate	520-3	Spacer bush	825-1	Cable pressing plate
210	Pump shaft	529	Shaft sleeve	825-2	Small pressing plate
230	Impeller	540-1	Upper spacer sleeve	825-3	Large pressing plate
231	Impeller string	540-2	Lower spacer sleeve	861	Coupling
321-1	Deep groove ball bearing	545-1	Lower rubber bearing	901	Outer hexagon flat screw
321-2	Angular contact ball bearing	545-2	Upper rubber bearing	903	Vent cock
382-1	Intermediate support seat	550-1	Pump shaft gasket	914-1	Hexagon socket head cap screw
382-2	Lower support seat	550-2	Adjusting washer	914-2	Hexagon socket countersunk head screw
271	Sand shaking sleeve	550-3	Adjusting washer	932-1	Retaining ring
388-1	Arresting disc fixing sleeve	552	Wave spring	932-2	Retaining ring
388-2	Arresting disc	554	Flat washer	932-3	Circlip for shaft
411	Friction pad	560-1	Locating sleeve		
412-1	O-ring	560-2	Locating pin		

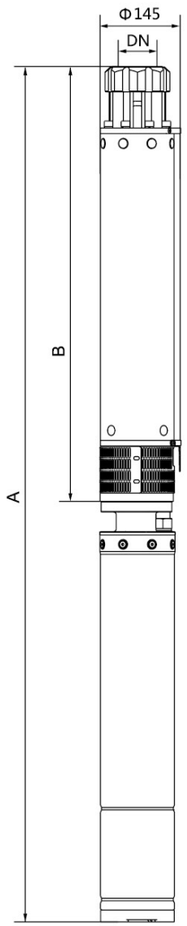
Components & Materials



6SE-K2

No.	Part name	No.	Part name	No.	Part name
106	Water inlet	412-2	O-ring	560-2	Positioning pin
107	Extruding chamber	412-3	O-ring	720	Water outlet
108-1	Guide vane ferrule	433-1	Mechanical seal	742	Valve cover
108-2	Intermediate support seat ferrule	433-2	Mechanical seal	811	Enclosure
108-3	Lower support seat ferrule	441	Stainless steel sleeve	814	Stator core with winding
112	Conductor	506-1	Water inlet gasket	818	Rotor
143	Net cover	506-2	Extruding chamber gasket	822-1	Lower bearing housing
151	Upper sleeve	520-1	Spacer	822-2	Oil chamber
160	Bottom cover	520-2	Spacer	823	Pressure regulating film
173	Guide vane cover plate	520-3	Spacer	825-1	Cable hold-down plate
210	Pump shaft	529	Shaft sleeve	825-2	Small hold-down plate
230	Impeller	540-1	Upper stop sleeve	825-3	Big hold-down plate
231	Impeller string	540-2	2 Lower stop sleeve 2	861	Coupling
321-1	Deep groove ball bearing	540-3	1 Lower stop sleeve 1	901	Hexagon socket flat head screw
321-2	Angular contact ball bearing	545-1	Lower rubber bearing	903	Air relief cock
382-1	Intermediate support seat	545-2	Uppwer rubber bearing	914-1	Hexagon socket head cap screw
382-2	Lower support seat	550-1	Pump shaft washer	914-2	Hexagon socket countersunk head screw
271	Sand sleeve	550-2	Adjusting washer	932-1	Retaining ring
388-1	Retaining plate fixing sleeve	550-3	Adjusting washer	932-2	Retaining ring
388-2	Stop disc	552	Wave spring	932-3	Elastic circlip for shaft
411	Friction pad	554	Flat washer		
412-1	O-ring	560-1	Positioning sleeve		

Dimensions & Weight



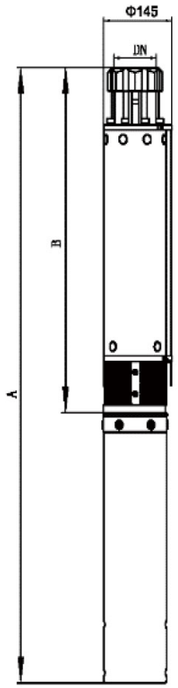
Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SE 10/7	G3/NPT3	668	1470	15.8	39.6
6SE 10/9		745	1607	17.3	44.8
6SE 10/11		885	1812	19.4	51.4
6SE 10/13		962	1959	20.7	58
6SE 10/15		1040	2097	23.1	63.8
6SE 10/17		1118	2215	26.6	67.4

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SE 18/5	G3/NPT3	629	1431	15.5	39.6
6SE 18/6		862	1538	16	44.8
6SE 18/7		722	1649	16.6	51.4
6SE 18/9		815	1812	18.4	58
6SE 18/11		909	1966	20.5	63.8
6SE 18/12		955	2052	21.3	67.4

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SE 30/3	G3/NPT3	557	1359	13.1	39.6
6SE 30/4		611	1473	13.8	44.8
6SE 30/5		665	1592	14.9	51.4
6SE 30/6		719	1716	15.8	58
6SE 30/7		773	1830	16.7	63.8
6SE 30/8		826	1923	17.3	67.4

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SE 45/3	G3/NPT3	596	1458	14	44.8
6SE 45/4		663	1660	15.7	58
6SE 45/5		730	1827	16.3	67.4

Dimensions & Weight



Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SE10/7-K2	G3	668	1262	15.8	31
6SE10/9-K2		745	1399	17.3	37
6SE10/11-K2		885	1599	19.4	42
6SE10/13-K2		962	1746	20.7	50
6SE10/15-K2		1040	1884	23.1	56
6SE10/17-K2		1118	2002	26.6	60
6SE18/5-K2		630	1224	15.5	31
6SE18/6-K2		677	1331	16	37
6SE18/7-K2		724	1438	16.6	42
6SE18/9-K2		817	1601	21	50
6SE18/11-K2		911	1755	21.5	56
6SE18/12-K2		958	1842	21.3	60
6SE30/3-K2		557	1151	24	31
6SE30/4-K2		611	1265	13.8	37
6SE30/5-K2		665	1379	14.9	42
6SE30/6-K2		719	1503	15.8	50
6SE30/7-K2		773	1617	20	56
6SE30/8-K2		888	1772	17.3	60
6SE45/3-K2		596	1250	14	37
6SE45/4-K2		663	1447	15.7	50
6SE45/5-K2		730	1614	16	60

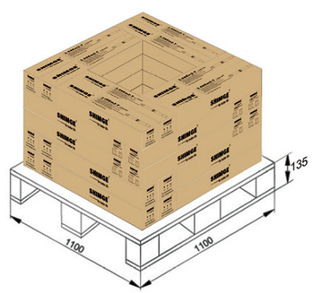
Packing Size & Weight

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SE 10/7	940×150x150	800×150x150	65.4	470
6SE 10/9	1000×150x150	880×150x150	72.1	430
6SE 10/11	1060×150x150	1020×150x150	80.8	390
6SE 10/13	1130×150x150	1090×150x150	88.7	360
6SE 10/15	1190×150x150	1170×150x150	96.9	340
6SE 10/17	1230×150x150	1250×150x150	106	320

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SE 18/5	940×150x150	760×150x150	65.1	480
6SE 18/6	1000×150x150	800×150x150	70.8	450
6SE 18/7	1060×150x150	860×150x150	78	420
6SE 18/9	1130×150x150	950×150x150	86.4	390
6SE 18/11	1190×150x150	960×150x150	94.3	360
6SE 18/12	1230×150x150	1090×150x150	99.7	350

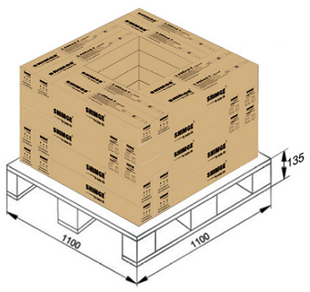
Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SE 30/3	940×150x150	690×150x150	62.7	510
6SE 30/4	1000×150x150	740×150x150	68.6	470
6SE 30/5	1060×150x150	800×150x150	76.3	440
6SE 30/6	1130×150x150	860×150x150	83.8	410
6SE 30/7	1190×150x150	910×150x150	90.5	390
6SE 30/8	1230×150x150	970×150x150	95.7	370

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SE 45/3	1000×150x150	645×150x150	68.8	480
6SE 45/4	1130×150x150	715×150x150	83.7	420
6SE 45/5	1230×150x150	780×150x150	94.7	390



Packing Size & Weight

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SE10/7-K2	760×150×150	800×150×150	50.0	797
6SE10/9-K2	820×150×150	880×150×150	58.0	732
6SE10/11-K2	880×150×150	1020×150×150	65.0	654
6SE10/13-K2	880×150×150	1090×150×150	75.0	631
6SE10/15-K2	1000×150×150	1170×150×150	84.0	573
6SE10/17-K2	1050×150×150	1250×150×150	92.0	541
6SE18/5-K2	760×150×150	760×150×150	50.0	818
6SE18/6-K2	820×150×150	1000×150×150	56.0	683
6SE18/7-K2	880×150×150	860×150×150	62.0	715
6SE18/9-K2	880×150×150	950×150×150	73.0	680
6SE18/11-K2	1000×150×150	1040×150×150	81.0	610
6SE18/12-K2	1050×150×150	1090×150×150	86.0	581
6SE30/3-K2	760×150×150	690×150×150	47.0	858
6SE30/4-K2	820×150×150	740×150×150	54.0	797
6SE30/5-K2	880×150×150	800×150×150	60.0	740
6SE30/6-K2	880×150×150	860×150×150	70.0	715
6SE30/7-K2	1000×150×150	910×150×150	77.0	651
6SE30/8-K2	1050×150×150	970×150×150	82.0	616
6SE45/3-K2	820×150×150	740×150×150	54.0	797
6SE45/4-K2	880×150×150	800×150×150	70.0	740
6SE45/5-K2	1050×150×150	860×150×150	81.0	651



6"Deep Well Pumps

6SS

Performance Range

Max. Flow: 96m³/h
Max. Head: 306m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 70 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

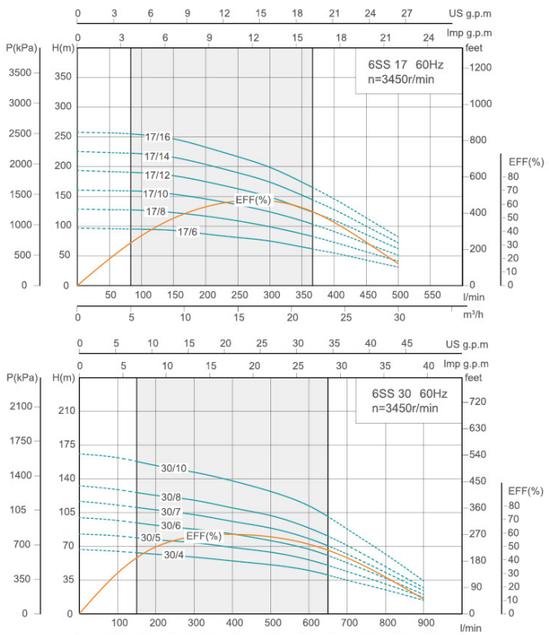
◎ Available with stainless steel pump head, effective against the corrosion and abrasive wear;
◎ Edible oil filled motor, stable& reliable running with pressure regulating membrane;
◎ Available with controller box, bring about general protection;
◎ Installation in 6" or larger boreholes.

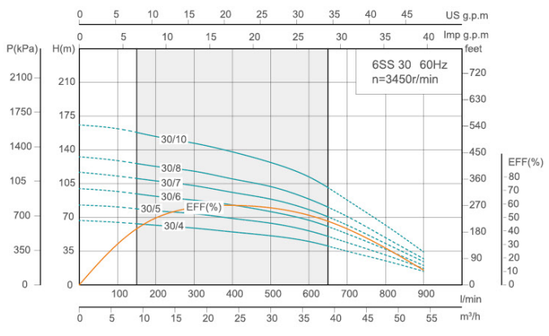
Model Instruction

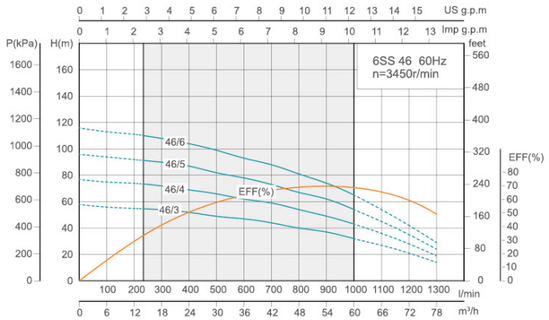
6 SS 17/6

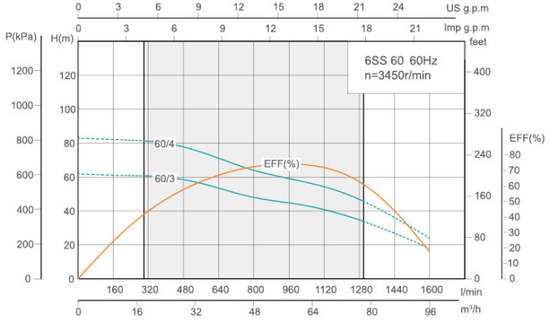
- 17/6 — Number of Stages
- 17 — Rated Flow(m³/h)
- SS — Type Range
- 6 — Minimum Suit Boreholes (Inch)

Performance Curve









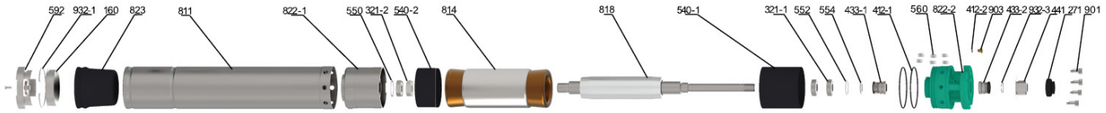
Model	Power		Current (A)	Flow													Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	3	6	9	12	15	18	21	24	27	30	33	
220V/380V			220V/380V	l/min	0	50	100	150	200	250	300	350	400	450	500	550	
6SS 17/5	5.5	7.5	22.5/13	H(m)	102	99	96	93	88	80	72	63	53	42	30	17	96~28
6SS 17/6	7.5	10	31.2/18		123	120	116	111	105	96	86	76	65	51	35	20	115~33
6SS 17/7	9.2	12.5	36.4/21		143	139	135	130	122	112	101	89	76	59	42	22	134~39
6SS 17/9	11	15	41.6/24		185	180	174	170	161	149	137	119	98	79	55	24	174~50
6SS 17/11	13	17.5	45/26		224	218	211	204	193	176	158	139	130	93	65	30	210~61
6SS 17/12	15	20	48.5/28		247	239	232	226	215	198	183	158	130	105	74	36	231~68

Model	Power		Current (A)	Flow											Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	6	12	18	24	30	36	42	48	54	
220V/380V			220V/380V	l/min	0	100	200	300	400	500	600	700	800	900	
6SS30/4	5.5	7.5	23/13	H(m)	67	65	62	59	55	51	45	35	25	14	63~40
6SS30/5	7.5	10	31/18		83	81	77	74	69	64	56	44	31	17	79~50
6SS30/6	9.2	12.5	40/23		100	97	92	88	83	76	67	53	37	20	95~60
6SS30/7	11	15	45/26		117	113	108	103	96	89	78	62	43	24	110~70
6SS30/8	13	17.5	57/33		133	129	123	118	110	102	89	71	49	27	126~80
6SS30/10	15	20	60/35		166	162	154	147	138	127	112	88	62	34	158~100

Model	Power		Current (A)	Flow														Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	
220V/380V			220V/380V	l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	
6SS46/3	7.5	10	31/18	H(m)	58	56	55	54	52	49	47	44	40	37	32	27	21	14	63~40
6SS46/4	11	15	45/26		77	75	74	72	69	66	62	59	54	49	43	36	28	19	79~50
6SS46/5	13	18	57/33		96	94	92	90	87	82	78	73	67	62	54	45	35	24	95~60
6SS46/6	15	20	60/35		116	113	111	108	104	99	93	88	81	74	65	54	42	29	110~70

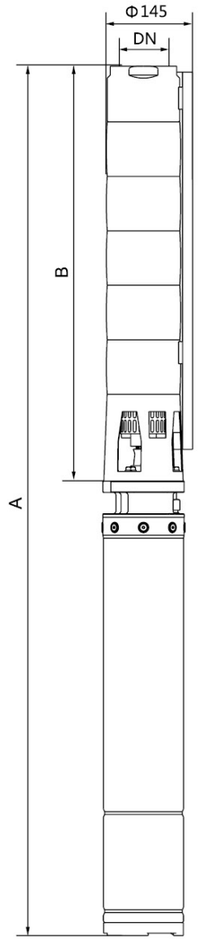
Model	Power		Current (A)	Flow										Head Range (m)
Three-Phase	kW	HP	Three-Phase	m³/h	0	12	24	36	48	60	72	84	96	
220V/380V			220V/380V	l/min	0	200	400	600	800	1000	1200	1400	1600	
6SS60/3	11	15	45/26	H(m)	62	61	60	55	48	44	38	29	18	61~34
6SS60/4	15	20	60/35		83	82	80	73	64	58	51	39	24	81~45

Components & Materials



No.	Part name	No.	Part name
160	Inlet joint	560	Locating sleeve
271	Sand shaking sleeve	592	Base
321-1	Deep groove ball bearing	811	Casing
321-2	Angular contact ball bearing	814	Stator core with winding
412-1	O-ring	818	Rotor
412-2	O-ring	822-1	Lower bearing block
433-1	Mechanical seal	822-2	Oil chamber
433-2	Mechanical seal	823	Pressure regulating film
441	Stainless steel sleeve	901	Outer hexagon flat screw
540-1	Upper spacer sleeve	903	Vent cock
540-2	Lower spacer sleeve	932-1	Retaining ring
550	Pump shaft gasket	932-2	Circlip for shaft
552	Wave spring		
554	Flat washer		

Dimensions & Weight



Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SS 17/5	G3/NPT3	538	1438	11.3	40
6SS 17/6		630	1624	13.9	45
6SS 17/7		722	1806	16.5	50
6SS 17/9		814	1997	19.1	58
6SS 17/11		906	2177	21.7	64
6SS 17/12		998	2337	24.3	67

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SS30/4	G3/NPT3	622	1457	10.7	40
6SS30/5		712	1618	12.5	45
6SS30/6		802	1774	14.3	50
6SS30/7		892	1940	16.1	58
6SS30/8		982	2094	17.9	64
6SS30/10		1162	2325	21.5	67

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SS46/3	G3/NPT3	598	1477	11	45
6SS46/4		710	1720	13.5	58
6SS46/5		822	1891	16	64
6SS46/6		934	2043	18.5	67

Model	Pipe Connedtion (DN)	Dim. (mm)		N.W.(kg)	
Three-phase		B	A Three-phase	Body(kg)	Motor(kg) M(Single-phase)
6SS60/3	G3/NPT3	598	1607	11	58
6SS60/4		710	1817	13.5	67

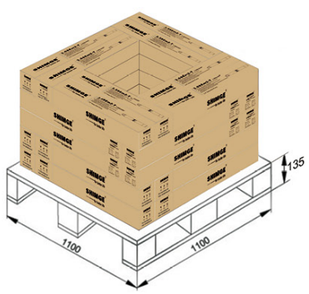
Packing Size & Weight

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SS 17/5	940×150x150	640×150x150	M:40 B:11	470
6SS 17/6	1000×150x150	740×150x150	M:45 B:13	430
6SS 17/7	1060×150x150	880×150x150	M:50 B:15	370
6SS 17/9	1130×150x150	910×150x150	M:58 B:17.5	340
6SS 17/11	1190×150x150	1070×150x150	M:64 B:22	310
6SS 17/12	1230×150x150	1090×150x150	M:67 B:25	280

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SS30/4	940×150x150	740×150x150	M:40 B:15.5	470
6SS30/5	1000×150x150	820×150x150	M:45 B:17.5	430
6SS30/6	1060×150x150	880×150x150	M:50 B:19	380
6SS30/7	1130×150x150	1000×150x150	M:58 B:21	350
6SS30/8	1190×150x150	1070×150x150	M:64 B:23	320
6SS30/10	1230×150x150	1270×170×210	M:67 B:26.5	280

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SS46/3	1000×150x150	700×150x150	M:45 B:16	460
6SS46/4	1130×150x150	820×150x150	M:58 B:18.5	400
6SS46/5	1190×150x150	930×150x150	M:64 B:21	360
6SS46/6	1230×150x150	1040×150x150	M:67 B:23.5	320

Model	Dim. (mm)		G.W.(kg)	20"LoadinE Qty.(pcs)
Three-phase	Motor(L×W×H) Three-phase	Body(L×W×H)		
6SS60/3	1130×150x150	700×150x150	M:58 B:16	420
6SS60/4	1230×150x150	820×150x150	M:67 B:18.5	380



4"Deep Well Pumps

4NK(m)

Performance Range

Max. Flow: 7.2m³/h
Max. Head: 66m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 5m below the static water table.

Certificate

CE

Application Fields

◎ On-site filtered effluent, cistern
◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

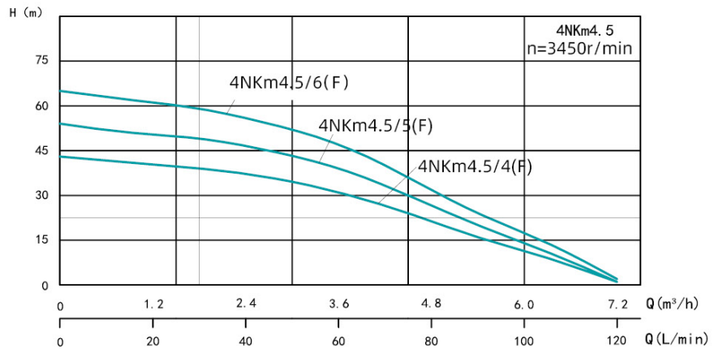
◎ Edible oil filled motor
◎ Single phase motor with built in B Grade oil proofed capacitor &thermal mode protector
◎ Built-in motor, the suction pump body
◎ Installation in 4" or larger boreholes.

Model Instruction

4 NK m 4.5 / 4 F

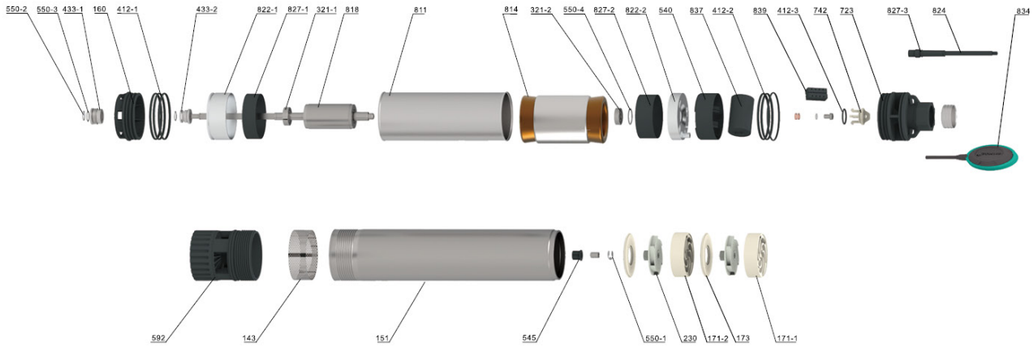
- F — Flow Switch
- 4 — Number of Stages
- 4.5 — Rated Flow(m³/h)
- m — Single Phase
- NK — Stainless Steel Built-in Type Submersible Pumps
- 4 — Minimum Suit Boreholes(inch)

Performance Curve



Model	Power		Rate Current (A)		Flow									Head Range (m)
Single-phase	kW	HP			m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	
110V/220V			110V	220V	l/min	0	15	30	45	60	75	90	105	120	
4NKm4.5/4	0.37	0.5	9.9	4.4		44	41	39	36	31	24	16	9	1	40~18
4NKm4.5/5	0.55	0.75	11.4	5.6	H(m)	55	51	49	45	39	30	20	11	1	50~22
4NKm4.5/6	0.75	1	13.2	6.8		66	62	59	54	47	36	24	14	1	60~27

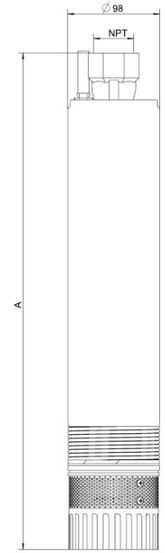
Components & Materials



No.	Part name	No.	Part name	No.	Part name
143	Net cover	540	Upper spacer sleeve	814	Stator core with winding
151	Sleeve	545	Middle rubber bearing	818	Rotor
160	Chassis	550-1	Adjusting washer	822-1	Lower bearing block
171-1	Guide vane	550-2	Adjusting washer	822-2	Oil chamber
171-2	Guide vane	550-3	Flat washer	824	Cable
173	Guide vane cover plate	550-4	Wave spring	827-1	Insulating paper
230	Impeller	433-1	Mechanical seal	827-2	Insulating paper
321-1	Deep groove ball bearing	433-2	Mechanical seal	827-3	Cable sheath
321-2	Angular contact bearing	592	Base	834	Float switch with cable
412-1	O-ring	723	Top cover	837	Capacitor
412-2	O-ring	742	Bonnet	839	Terminals
412-3	O-ring	811	Casing		

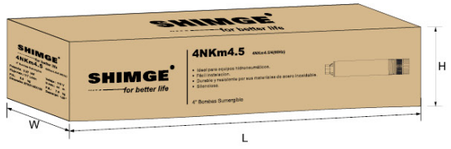
Dimensions & Weight

Model	Pipe Connedtion (DN)	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
4NKm4.5/4	G1¼ NPT1¼	531	6.9
4NKm4.5/5		581	7.6
4NKm4.5/6		635	8.7



Packing Size & Weight

Model	Dim. (mm) Pump(L×W×H) Single-phase	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
4NKm4.5/4	675×145×150	7.9	1860
4NKm4.5/5	725×145×150	8.6	1750
4NKm4.5/6	780×145×150	9.7	1590



4"Deep Well Pumps

NK(m)

Performance Range

Max. Flow: 6m³/h
Max. Head: 80m

Application Limits

◎ Max. ambient temperature< 40℃ ;
◎ Maximum permissible quantity of sand:100g/m³ ;
◎ Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
◎ pH 6.5 to 8.5;
◎ Maximum: 20 m below the static water table.

Certificate

CE

Application Fields

◎ Building/construction work/Domestic water supply;
◎ Irrigation and Small water work;
◎ Landscaping;
◎ Water conservancy system;
◎ Factory.

Features

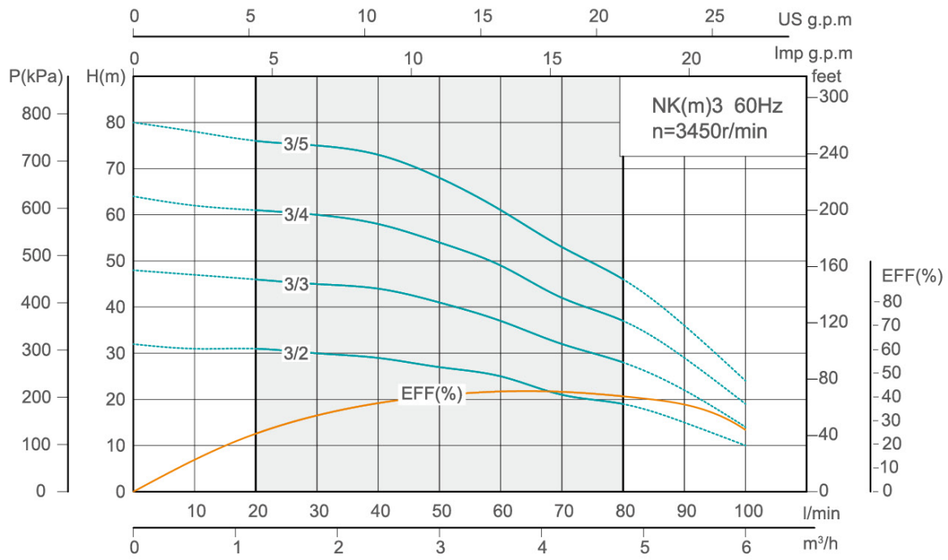
◎ Edible oil filled motor
◎ Single phase motor with built in B Grade oil proofed capacitor &thermal mode protector
◎ Built-in motor, the suction pump body
◎ Installation in 4" or larger boreholes.

Model Instruction

NK (m) 3 / 2

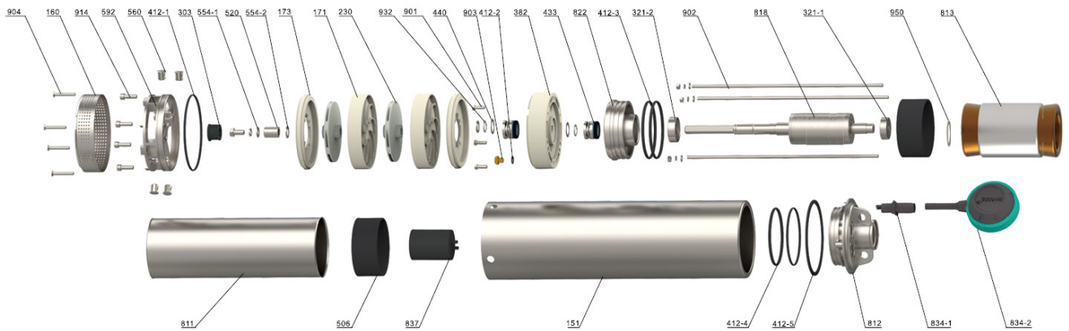
- Number of Stages
- Rated Flow(m³/h)
- Phase Code: m=Single Phase, Blank = Three-Phase
- Stainless Steel Built-in Type Submersible Pumps

Performance Curve



Model	Power		Rate Current (A)		Flow												Head Range (m)
Single-phase	kW	HP			m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	
110V/220V			110V	220V	l/min	0	10	20	30	40	50	60	70	80	90	100	
NKm3/2	0.55	0.75	31/18		H(m)	32	31	31	30	29	27	25	21	19	15	10	31~19
NKm3/3	0.75	1	45/26			48	47	46	45	44	41	37	32	28	22	14	46~28
NKm3/4	1.1	1.5	57/33			64	62	61	60	58	54	49	42	37	29	19	61~37
NKm3/5	1.5	2	60/35			80	78	76	75	73	68	61	53	46	36	24	76~46

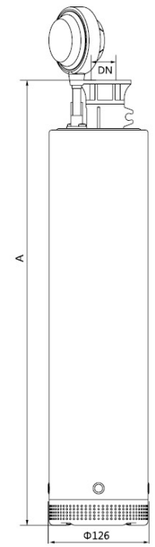
Components & Materials



No.	Part name	No.	Part name	No.	Part name
151	Sleeve	433	Mechanical seal	834-2	Float switch
160	Chassis	440	Anti-sand pad	837	Capacitor
171	Guide vane	506	Spacer sleeve	901	Hexagon head bolt - full thread
173	Guide vane cover plate	520	Shaft sleeve	902	Tie blot
230	Impeller	554-1	Flat washer	903	Vent cock
303	Rubber bearing	554-2	Flat washer	904	Cross recessed countersunk head screw
321-1	Deep groove ball bearing	560	Locating pin	914	Hexagon socket head cap screw
321-2	Angular contact bearing	592	Base	932	Circlip for shaft
382	Lower plastic seat	811	Casing	950	Wave spring
412-1	O-ring	812	Head cover		
412-2	O-ring	813	Stator coil with winding		
412-3	O-ring	818	Rotor		
412-4	O-ring	822	Oil chamber		
412-5	O-ring	834-1	Interpolation		

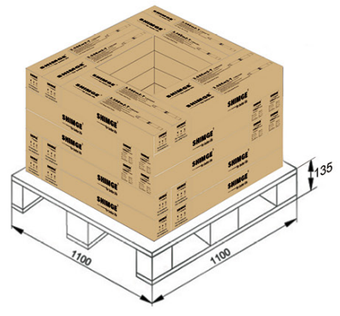
Dimensions & Weight

Model	Pipe Connedtion (DN)	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
NKm3/2	G1¼ NPT1¼	491	12
NKm3/3		544	14
NKm3/4		607	16.5
NKm3/5		680	19

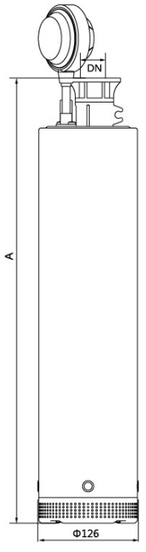


Packing Size & Weight

Model	Dim. (mm) Pump(L×W×H) Single-phase	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
NKm3/2	535×140×230	13	1570
NKm3/3	590×140×230	15	1420
NKm3/4	650×140×230	17.5	1280
NKm3/5	725×140×230	20	1140



No.	Part name	No.	Part name	No.	Part name
151	Sleeve	433	Mechanical seal	834-2	Float switch
160	Chassis	440	Anti-sand pad	837	Capacitor
171	Guide vane	506	Spacer sleeve	901	Hexagon head bolt - full thread
173	Guide vane cover plate	520	Shaft sleeve	902	Tie blot
230	Impeller	554-1	Flat washer	903	Vent cock
303	Rubber bearing	554-2	Flat washer	904	Cross recessed countersunk head screw
321-1	Deep groove ball bearing	560	Locating pin	914	Hexagon socket head cap screw
321-2	Angular contact bearing	592	Base	932	Circlip for shaft
382	Lower plastic seat	811	Casing	950	Wave spring
412-1	O-ring	812	Head cover		
412-2	O-ring	813	Stator coil with winding		
412-3	O-ring	818	Rotor		
412-4	O-ring	822	Oil chamber		
412-5	O-ring	834-1	Interpolation		

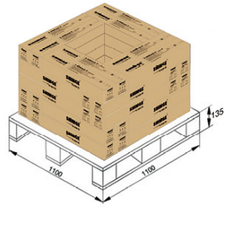


Dimensions & Weight

Model	Pipe Connedtion (DN)	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
NKm3/2	G1¼ NPT1¼	491	12
NKm3/3		544	14
NKm3/4		607	16.5
NKm3/5		680	19

Packing Size & Weight

Model	Dim. (mm) Pump(L×W×H) Single-phase	Dim. (mm)	N.W.(kg)
Single-phase		A(Single-phase)	Body(kg)
NKm3/2	535×140×230	13	1570
NKm3/3	590×140×230	15	1420
NKm3/4	650×140×230	17.5	1280
NKm3/5	725×140×230	20	1140



Submersible Drainage Pumps

QDX-L

Performance Range

Max. Flow: 60m³/h
Max. Head: 33m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm
◎ Power frequency is 60Hz.Nominal voltage is 220VAC for single phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

With small size and light weight, the Q(D)X-L series pump is especially suitable for the rural wells water pumping, farmland irrigation and drainage, garden watering, water spraying and family households, as well as other applications such as industrial , construction, aquaculture, fish ponds, etc.

Features

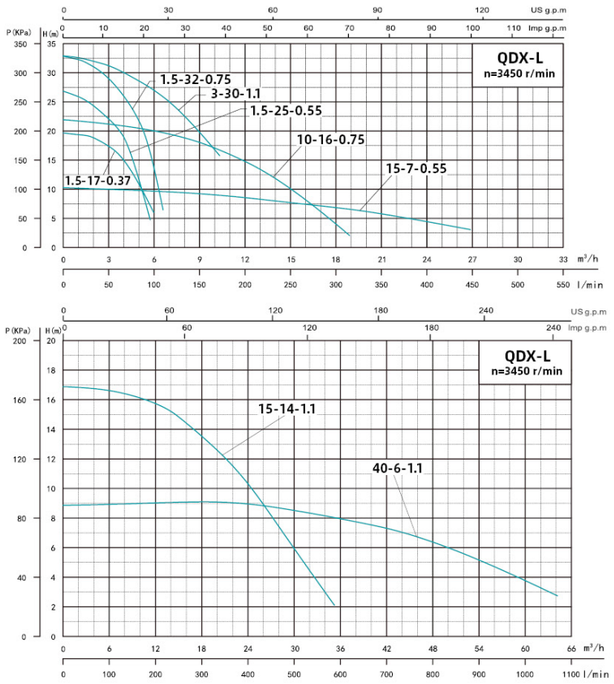
◎ New-designed motor structure ,longer service life.
◎ Portable and durable aluminum alloy structure.
◎ Alloy impeller of high performance engineering plastics or aluminum.

Model Instruction

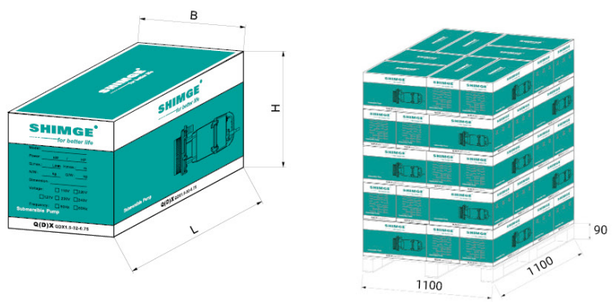
QDX 1.5 - 17 - 0.37 L3 (220V / 60HZ)

- Power Frequency (Hz)
- Rated Voltage (V)
- Series Code
- Motor Power(kW)
- Rated Head (m)
- Rated Flow (m³/h)
- Model Code

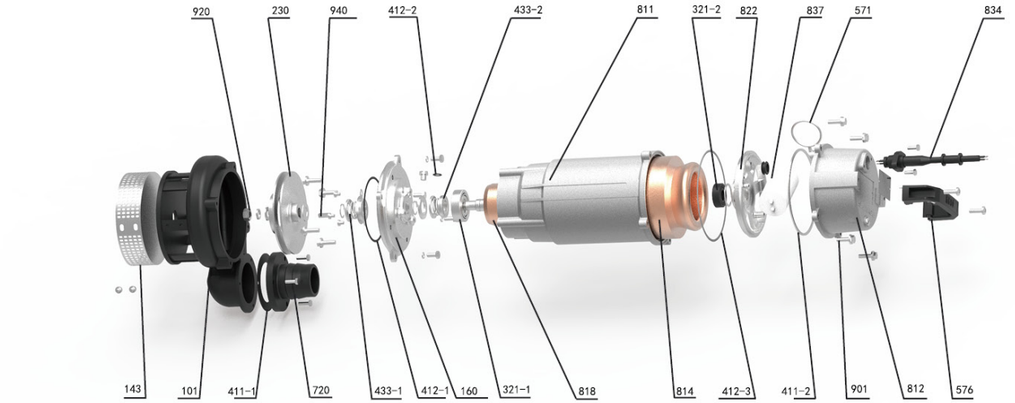
Performance Curve



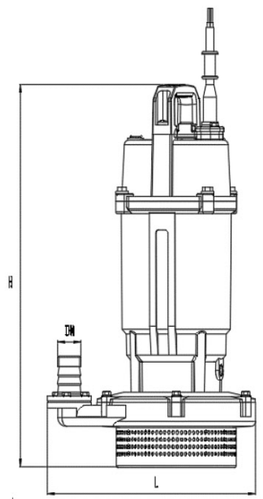
Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
QDX1.5-17-0.37L3(F)(120V/60Hz)	0.370	0.50	5.3	6.0	18.0	18~4	3×0.75-8	380×180×200	6.5	2047
QDX1.5-17-0.37L3(F)(220V/60Hz)	0.370	0.50	2.9	6.0	18.0	18~4	3×0.75-8	380×180×200	6.5	2047
QDX1.5-25-0.55L3(F)(120V/60Hz)	0.550	0.75	7.5	6.6	26.0	26~17	3×1-8	395×195×220	8.5	1652
QDX1.5-25-0.55L3(F)(220V/60Hz)	0.550	0.75	4.1	6.6	26.0	26~17	3×0.75-8	395×195×220	8.5	1652
QDX1.5-32-0.75L3(F)(120V/60Hz)	0.750	1.00	9.6	6.9	33.0	33~17	3×1.5-8	420×210×230	10.0	1428
QDX1.5-32-0.75L3(F)(220V/60Hz)	0.750	1.00	5.2	6.9	33.0	33~17	3×0.75-8	420×210×230	10.0	1428
QDX10-16-0.75L3(F)(120V/60Hz)	0.750	1.00	9.6	15.0	20.0	20~10	3×1.5-8	420×195×230	10.5	1486
QDX10-16-0.75L3(F)(220V/60Hz)	0.750	1.00	5.2	15.0	20.0	20~10	3×0.75-8	420×195×230	10.5	1486
QDX15-14-1.1L3(F)(220V/60Hz)	1.100	1.50	7.3	30.0	18.0	18~0	3×1.5-8	470×285×225	17.5	990
QDX15-7-0.55L3(F)(120V/60Hz)	0.550	0.75	7.5	25.2	9.0	9~2	3×1-8	410×210×220	8.5	1478
QDX15-7-0.55L3(F)(220V/60Hz)	0.550	0.75	4.1	25.2	9.0	9~2	3×0.75-8	410×210×220	8.5	1478
QDX3-30-1.1L3(F)(220V/60Hz)	1.100	1.50	7.3	9.6	31.0	31~0	3×1.5-8	455×285×225	13.5	1022
QDX40-6-1.1L3(F)(220V/60Hz)	1.100	1.50	7.3	54.0	9.0	9~0	3×1.5-8	505×280×215	19.5	921



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Casing	412-2	O -ring	814	Stator core with winding
143	Net cover	412-3	O -ring	818	Rotor
160	Oil chamber cover	433-1	Mechanical seal	822	Upper bearing housing
230	Impeller	433-2	Mechanical seal	834	Cable sheath
321-1	Deep groove ball bearing	571	Capacitor fixing ring	837	Capacitance
321-2	Deep groove ball bearing	576	Handle	901	Hexagon flange face bolts
411-1	Rubber washer	720	Water outlet	920	Type 1 hex nut
411-2	Rubber washer	811	Enclosure	940	Ordinary flat key
412- 1	O -ring	812	Top cover		



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	L	H	DN	
QDX1.5-17-0.37L3(F)(120V/60Hz)	190	365	25mm	6.0
QDX1.5-17-0.37L3(F)(220V/60Hz)	190	365	25mm	6.0
QDX1.5-25-0.55L3(F)(120V/60Hz)	225	376	25mm	8.0
QDX1.5-25-0.55L3(F)(220V/60Hz)	225	376	25mm	8.0
QDX1.5-32-0.75L3(F)(120V/60Hz)	233	397	25mm	9.5
QDX1.5-32-0.75L3(F)(220V/60Hz)	233	397	25mm	9.5
QDX10-16-0.75L3(F)(120V/60Hz)	230	402	50mm	10.0
QDX10-16-0.75L3(F)(220V/60Hz)	230	400	50mm	10.0
QDX15-14-1.1L3(F)(220V/60Hz)	244	457	65mm(G2)	16.5
QDX15-7-0.55L3(F)(120V/60Hz)	234	390	65mm(G2)	8.0
QDX15-7-0.55L3(F)(220V/60Hz)	234	390	65mm(G2)	8.0
QDX3-30-1.1L3(F)(220V/60Hz)	230	437	25mm	12.5
QDX40-6-1.1L3(F)(220V/60Hz)	265	488	80mm(G2½)	18.5

Submersible Drainage Pumps

QDX-K3

Performance Range

Max. Flow: 60m³/h
Max. Head: 33m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm
◎ Power frequency is 60Hz.Nominal voltage is 220VAC for single phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

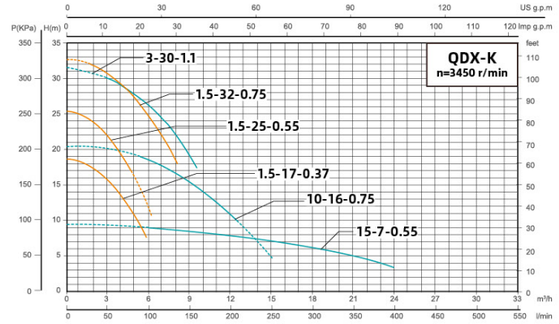
QDX-K3 series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps,etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage,poolsilt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

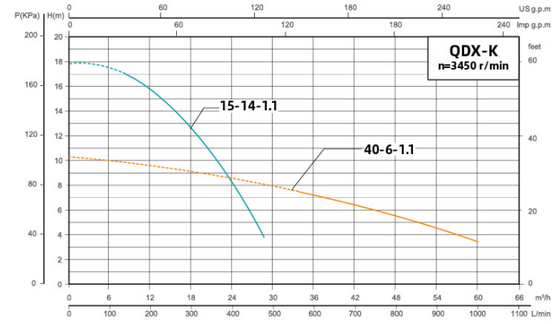
Model Instruction

QDX 1.5 - 17 - 0.37 K3 (220V / 60HZ)

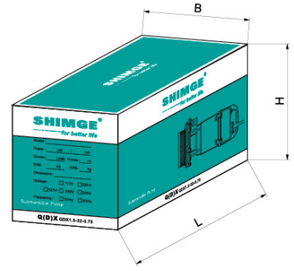
- Power Frequency (Hz)
- Rated Voltage (V)
- Series Code
- Motor Power(kW)
- Rated Head (m)
- Rated Flow (m³/h)
- Model Code

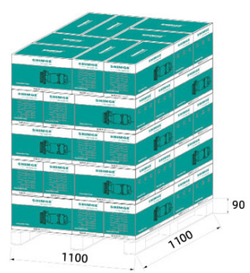
Performance Curve



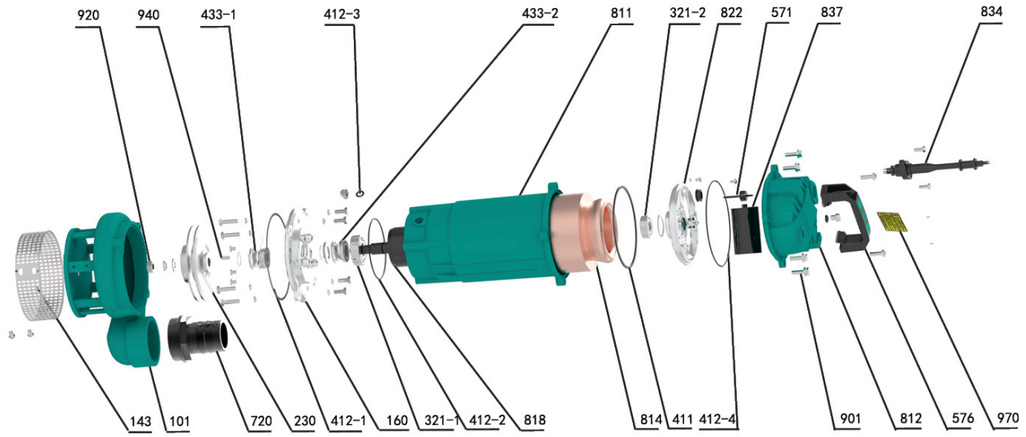


Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
QDX1.5-17-0.37K3(F)(120V/60Hz)	0.370	0.50	5.3	7.5	18.0	18~7	3×0.75-8	380×180×200	8.5	2047
QDX1.5-17-0.37K3(F)(220V/60Hz)	0.370	0.50	2.9	7.5	18.0	18~7	3×0.75-8	380×180×200	8.5	2047
QDX1.5-25-0.55K3(F)(120V/60Hz)	0.550	0.75	7.5	5.5	26.0	26~15	3×1-8	395×195×220	11.0	1652
QDX1.5-25-0.55K3(F)(220V/60Hz)	0.550	0.75	4.1	5.5	26.0	26~15	3×0.75-8	395×195×220	11.0	1652
QDX3-18-0.55K3(F)(120V/60Hz)	0.550	0.75	7.5	8.0	21.0	21~5	3×1-8	410×210×220	11.0	1478
QDX3-18-0.55K3(F)(220V/60Hz)	0.550	0.75	4.1	8.0	21.0	21~5	3×0.75-8	410×210×220	11.5	1478
QDX15-7-0.55K3(F)(120V/60Hz)	0.550	0.75	7.5	25.0	9.0	9~3	3×1-8	410×210×220	12.0	1478
QDX15-7-0.55K3(F)(220V/60Hz)	0.550	0.75	4.1	25.0	9.0	9~3	3×0.75-8	410×210×220	12.0	1478
QDX1.5-32-0.75K3(F)(120V/60Hz)	0.750	1.00	9.6	6.5	34.0	34~12	3×1.5-8	420×195×230	13.0	1486
QDX1.5-32-0.75K3(F)(220V/60Hz)	0.750	1.00	5.2	6.5	34.0	34~12	3×0.75-8	420×195×230	13.0	1486
QDX8-18-0.75K3(F)(120V/60Hz)	0.750	1.00	9.6	16.0	20.0	20~15	3×1.5-8	420×195×230	13.5	1486
QDX8-18-0.75K3(F)(220V/60Hz)	0.750	1.00	5.2	16.0	20.0	20~15	3×0.75-8	420×195×230	13.5	1486
QDX10-16-0.75K3(F)(120V/60Hz)	0.750	1.00	9.6	19.0	20.0	20~10	3×1.5-8	420×195×230	13.5	1486
QDX10-16-0.75K3(F)(220V/60Hz)	0.750	1.00	5.2	19.0	20.0	20~10	3×0.75-8	420×195×230	13.5	1486
QDX3-30-1.1K3(F)(220V/60Hz)	1.100	1.50	7.3	10.0	33.0	33~18	3×1-8	455×285×225	15.0	960
QDX15-14-1.1K3(F)(220V/60Hz)	1.100	1.50	7.3	29.0	16.5	16.5~9	3×1-8	470×285×225	18.5	929
QDX40-7-1.1K3(F)(220V/60Hz)	1.100	1.50	7.3	53.0	11.0	11~2	3×1-8	490×285×225	17.0	891

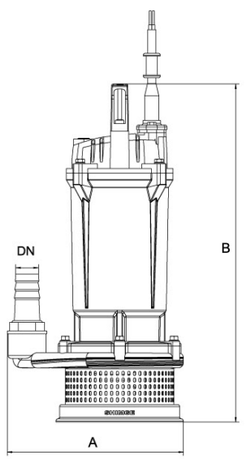




Components & Materials



No.	Part name	No.	Part name
101	Pump body	576	Handle
143	Net cover	720	Outlet joint
160	Oil chamber cover	811	Casing
230	Impeller	812	Head cover
321-1	Deep groove ball bearing	814	Stator core with winding
321-2	Deep groove ball bearing	818	Rotor
411	Rubber washer	822	Upper bearing block
412-1	O-ring	834	Cable sheath
412-2	O-ring	837	Capacitor
412-3	O-ring	901	Hexagon flange bolt
412-4	O-ring	920	Hexagon nut - Style 1
433-1	Mechanical seal	940	Ordinary flat key
433-2	Mechanical seal	970	Nameplate
571	Capacitor fixing ring		



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
QDX1.5-17-0.37K3(F)(120V/60Hz)	190	355	25	8.0
QDX1.5-17-0.37K3(F)(220V/60Hz)	190	355	25	8.0
QDX1.5-25-0.55K3(F)(120V/60Hz)	205	366	25	10.5
QDX1.5-25-0.55K3(F)(220V/60Hz)	205	366	25	10.5
QDX3-18-0.55K3(F)(120V/60Hz)	164	367	32	10.5
QDX3-18-0.55K3(F)(220V/60Hz)	164	367	32	11.0
QDX15-7-0.55K3(F)(120V/60Hz)	236	382	51	11.5
QDX15-7-0.55K3(F)(220V/60Hz)	236	382	51	11.5
QDX1.5-32-0.75K3(F)(120V/60Hz)	214	386	25	12.5
QDX1.5-32-0.75K3(F)(220V/60Hz)	214	386	25	12.5
QDX8-18-0.75K3(F)(120V/60Hz)	229	391	38	13.0
QDX8-18-0.75K3(F)(220V/60Hz)	229	391	38	13.0
QDX10-16-0.75K3(F)(120V/60Hz)	229	391	51	13.0
QDX10-16-0.75K3(F)(220V/60Hz)	229	391	51	13.0
QDX3-30-1.1K3(F)(220V/60Hz)	239	431	25	14.5
QDX15-14-1.1K3(F)(220V/60Hz)	239	441	64	18.0
QDX40-7-1.1K3(F)(220V/60Hz)	266	448	76	16.5

Submersible Drainage Pumps

QX-T

Performance Range

Max. Flow: 19m³/h
Max. Head: 41m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm
◎ Power frequency is 60Hz.Nominal voltage is 220V/440V for three phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

The pump has compact structure, is adapted to draw water from well, farm irrigation, garden spray, and single-family houses water supply, and especially suitable for water supply applications in remote locations, such as industry, building operations and aquaculture drain or irrigate.

Features

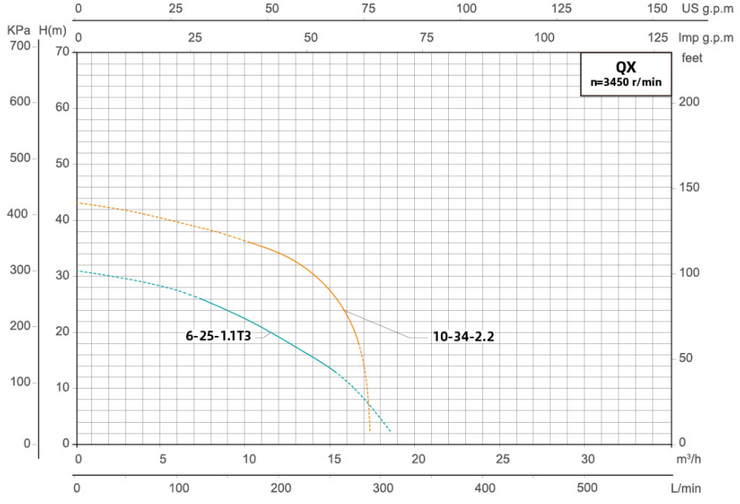
◎ Three-phase submersible pumps (dual voltage motor)
◎ The pump is located on bottom
◎ Cast iron parts, strong and durable
◎ Double mechanical seal
◎ The insulation is B grade and enclosure class is IPX8

Model Instruction

QX 6 - 25 - 1.1 T3 (220V/440V - 60Hz)

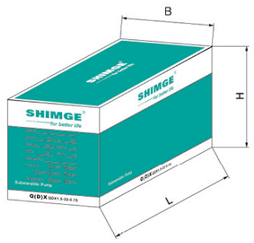
- Power Frequency (Hz)
- Rated Voltage (V)
- Nominal Motor Power(kW)
- Rated Head (m)
- Rated Flow(m³/h)
- Model Code

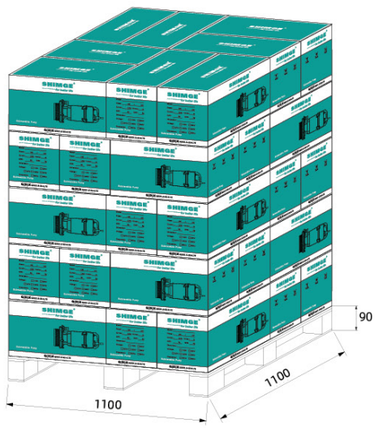
Performance Curve



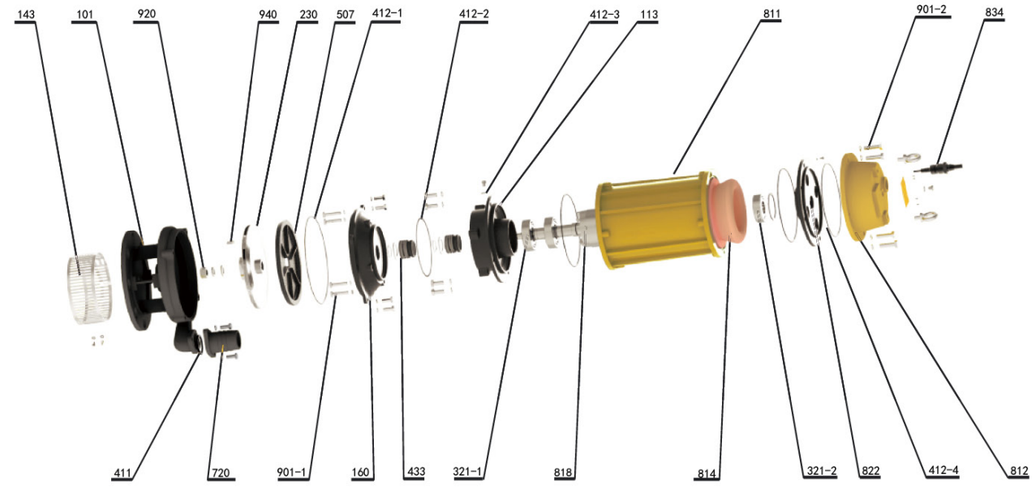
Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP								
QX6-25-1.1T3(220V/440V 60Hz)	1.1	1.5	4.7/2.4	19	31	26~13	4×1-15	480×285×220	20	560
QX10-34-2.2(220V/440V 60Hz)	2.2	3	8.8/4.4	18	41	36~18	3×2+1×1-15	575×250×323	39	616

Centrifugal pumps are not recommended to be used less than the lift range.

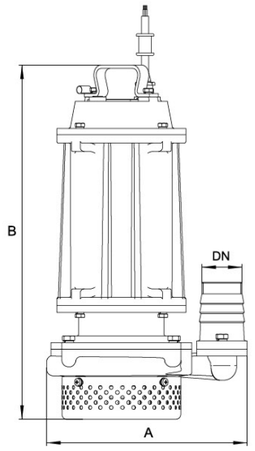




Components & Materials



No.	Part name	No.	Part name
101	Pump body	550	Mechanical seal ring
113	Lower bearing block	720	Outlet joint
143	Net cover	811	Casing
160	Oil chamber cover	812	Head cover
230	Impeller	814	Stator core with winding
321-1	Deep groove ball bearing	818	Rotor
321-2	Deep groove ball bearing	822	Upper bearing block
411	Rubber washer	834	Cable connection sleeve
412-1	O-ring	901-1	Hexagon head bolt
412-2	O-ring	901-2	Hexagon head bolt
412-3	O-ring	920	Hexagon nut - Style 1
412-4	O-ring	940	Ordinary flat type
433	Mechanical seal		
507	Water baffle		



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
QX6-25-1.1T3(220V/440V 60Hz)	240	427	51	19
QX10-34-2.2(220V/440V 60Hz)	282	495	51	35

Submersible Drainage Pumps

QDX-T

Performance Range

Max. Flow: 18.5m³/h
Max. Head: 33m

Application Limits

◎ Installing depth up to 5m
◎ Liquid temperature up to +40℃
◎ pH leve from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm

Certificate

CE

Application Fields

◎ Suitable for transferring water without abrasive particles
◎ Suitable for well water lifting,farm irrigation,garden irrigation and living water supply
◎ Suitable for industrial water eliminating,construction water supply and drainage,breeding industry water supply and drainage,etc.

Features

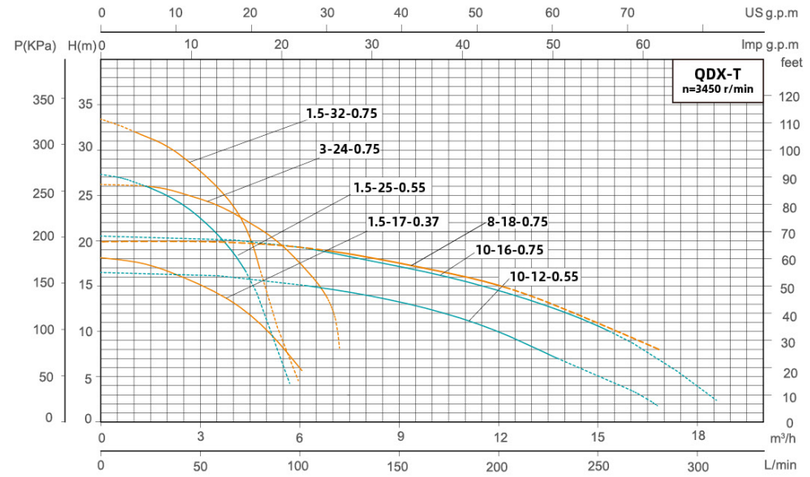
◎ New appearance design, high quality life
◎ Anti-overloading motor design, not easy to burn machine
◎ Lightweight design, easy to maintenance;
◎ water from the bottom, extracting a lower water level;
◎ Adopt PPOG20 plastic impeller, durable;
◎ Stainless steel screws, easy to maintain;

Model Instruction

QDX 1.5 - 32 - 0.75 T3 F (220V / 60HZ)

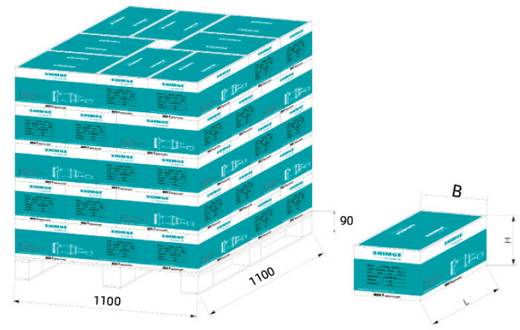
- Power Frequency (Hz)
- Rated Voltage (V)
- Float Switch (No Floating Ball With No Mark)
- Series Code
- Motor Power(kW)
- Rated Head (m)
- Rated Flow (m³/h)
- Model Code

Performance Curve

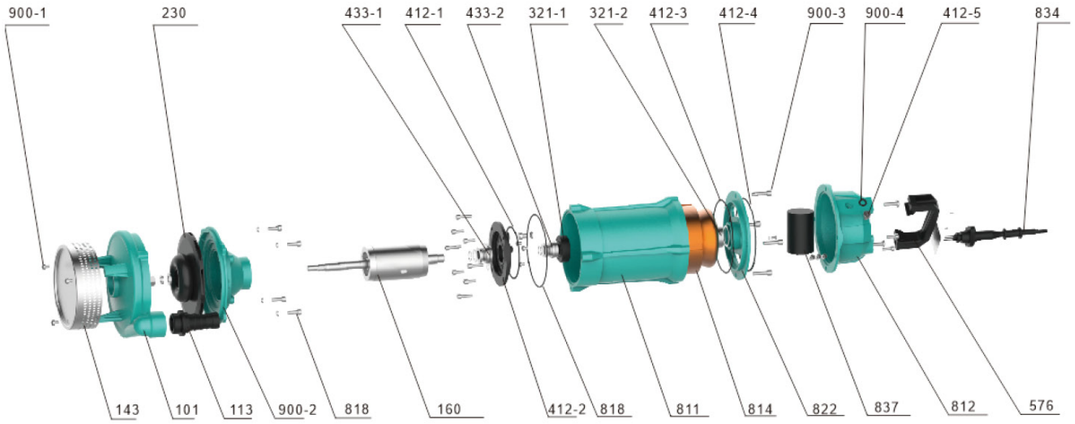


Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP								
QDX1.5-17-0.37T3(F)(120V/60Hz)	0.370	0.50	5.3	6.0	18.0	18~4	3×0.75-8	370×220×195	11.5	1764
QDX1.5-17-0.37T3(F)(220V/60Hz)	0.370	0.50	2.9	6.0	18.0	18~4	3×0.75-8	370×220×195	11.5	1764
QDX1.5-25-0.55T3(F)(120V/60Hz)	0.550	0.75	7.5	5.5	26.0	26~17	3×1-8	455×285×225	15.0	960
QDX1.5-25-0.55T3(F)(220V/60Hz)	0.550	0.75	4.1	5.5	26.0	26~17	3×0.75-8	455×285×225	15.0	960
QDX1.5-32-0.75T3(F)(120V/60Hz)	0.750	1.00	9.6	6.9	33.0	32~17	3×1.5-8	455×285×225	17.0	960
QDX1.5-32-0.75T3(F)(220V/60Hz)	0.750	1.00	5.2	6.9	33.0	32~17	3×0.75-8	455×285×225	17.0	960
QDX10-12-0.55T3(F)(120V/60Hz)	0.550	0.75	7.5	14.1	17.0	15~7	3×1-8	450×280×210	15.5	1058
QDX10-16-0.75T3(F)(120V/60Hz)	0.750	1.00	9.6	17.0	20.0	19~10	3×1.5-8	450×280×210	17.0	1058
QDX10-16-0.75T3(F)(220V/60Hz)	0.750	1.00	5.2	17.0	20.0	19~10	3×0.75-8	450×280×210	17.0	1058
QDX3-24-0.75T3(F)(120V/60Hz)	0.750	1.00	9.6	7.2	26.0	25~14	3×1.5-8	450×280×225	16.5	988
QDX3-24-0.75T3(F)(220V/60Hz)	0.750	1.00	5.2	7.2	26.0	25~14	3×0.75-8	450×280×225	16.5	988

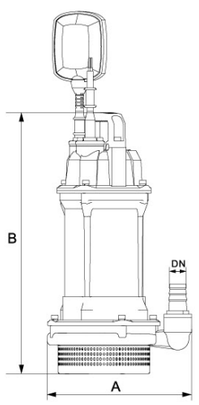
Centrifugal pumps are not recommended to be used less than the lift range.



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-3	O-ring	814	Stator core with winding
113	Oil chamber	412-4	O-ring	818	Rotor
143	filter screen	412-5	O-ring	822	Top chock
160	Oil chamber cover	433-1	Mechanicalseal	834	Cable protec tor
230	Impeller	433-2	Mechanical seal	837	Capacitor
321-1	Deep groove ball bearing	576	Lifting handle	900-1	Cross recessed flange screw
321-2	Deep groove ball bearing	720	Outlet joint	900-2	Hexagon socket head screw
412-1	O-ring	811	Enclosure	900-3	Hexagon bolt
412-2	O-ring	812	Head cover	900-4	Slotted cheese-head screw



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
QDX1.5-17-0.37T3(F)(120V/60Hz)	195	348	25	10.5
QDX1.5-17-0.37T3(F)(220V/60Hz)	195	348	25	10.5
QDX1.5-25-0.55T3(F)(120V/60Hz)	220	375	25	14.0
QDX1.5-25-0.55T3(F)(220V/60Hz)	220	375	25	14.0
QDX1.5-32-0.75T3(F)(120V/60Hz)	240	390	25	16.0
QDX1.5-32-0.75T3(F)(220V/60Hz)	240	390	25	16.0
QDX10-12-0.55T3(F)(120V/60Hz)	230	380	32	14.5
QDX10-16-0.75T3(F)(120V/60Hz)	230	395	38	16.0
QDX10-16-0.75T3(F)(220V/60Hz)	230	395	38	16.0
QDX3-24-0.75T3(F)(120V/60Hz)	210	390	32	15.5
QDX3-24-0.75T3(F)(220V/60Hz)	210	390	32	15.5

Multistage Submersible Pumps

QD

Performance Range

Max. Flow: 24m³/h
Max. Head: 62m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm
◎ Power frequency is 60Hz.Nominal voltage is 220VAC for single phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

Due to multi-stage structure, QD series pumps with high pressure are widely applied in many fields, such as agricultural irrigation, sprinkler irrigation, garden irrigation, water supply for wells, reservoirs, aquaculture, etc.

Features

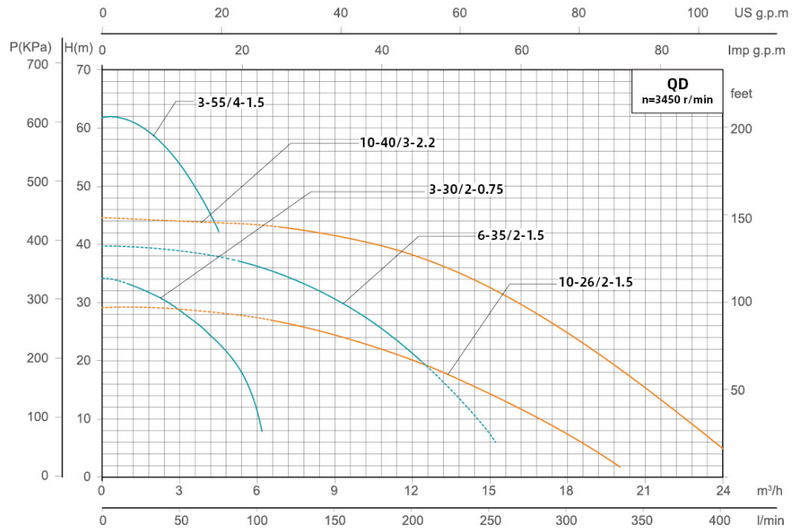
◎ High head, multistage centrifugal pump
◎ Compact structure, covering small area, convenient to move and use
◎ The angular contact ball bearing, improving the service life

Model Instruction

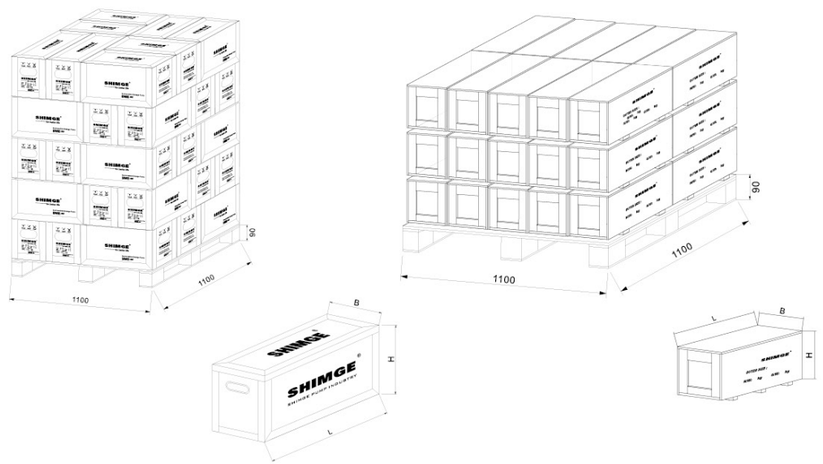
Q D 6 - 35 / 2 - 1.5 J (220V / 60Hz)

- Power Frequency (Hz)
- Rated Voltage (V)
- Series Code
- Motor Power(kW)
- Impeller Series
- Rated Head (m)
- Rated Flow (m³/h)
- Single phase motor (three phase non marking)
- Submersible Pump

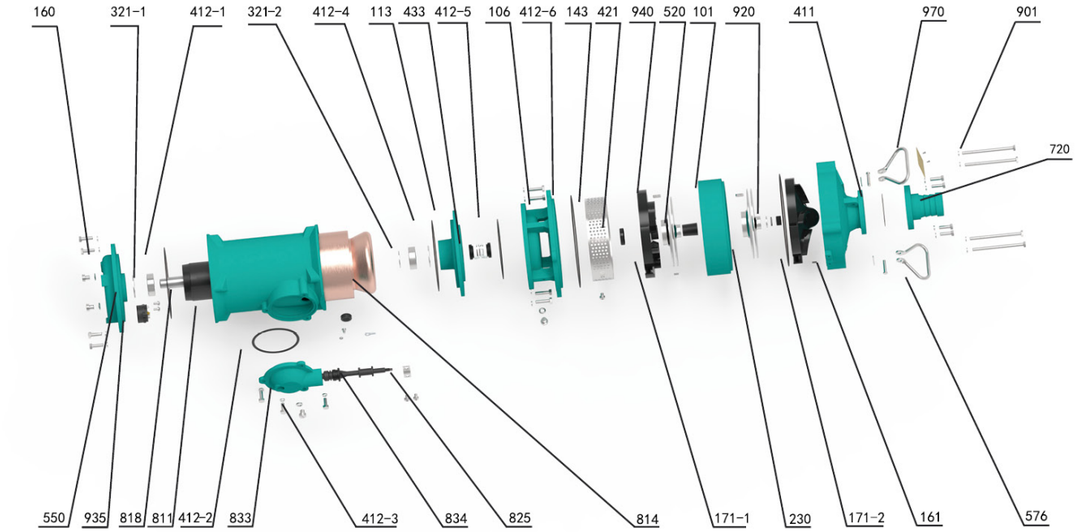
Performance Curve



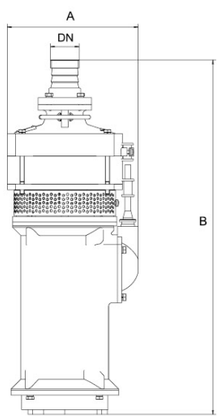
Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
QD3-30/2-0.75(220V/60Hz)	0.750	1.00	5.2	6.0	33.0	33~0	3×1-15	495×220×235	24.0	1094
QD3-55/3-1.5J(220V/60Hz)	1.500	2.00	9.5	4.0	62.0	62~0	3×1-15	610×220×235	32.0	888
QD10-26/2-1.5J(220V/60Hz)	1.500	2.00	9.5	20.0	30.0	30~0	3×1-15	580×220×235	30.0	934
QD6-35/2-1.5J(220V/60Hz)	1.500	2.00	9.5	15.0	40.0	40~0	3×1-15	580×220×235	30.0	934
QD10-40/3-2.2J(220V/60Hz)	2.200	3.00	13.8	23.0	44.0	44~0	3×1.5-15	705×220×273	40.0	661



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-1	O-ring	811	Casing
106	Oil chamber	412-2	O-ring	814	Stator core with winding
113	Net cover	412-3	O-ring	818	Rotor
143	Oil chamber cover	412-4	O-ring	825	Cable pressing plate
160	Impeller	412-5	O-ring	833	Outlet box cover
161	Deep groove ball bearing	412-6	O-ring	834	Cable sheath
171-1	Deep groove ball bearing	421	Framework oil seal	901	Hexagon head bolt
171-2	O-ring	433	Mechanical seal	920	Hexagon nut - Style 1
230	O-ring	520	Shaft sleeve	935	Thermal protector
321-1	O-ring	550	Bearing washer	940	Ordinary flat key
321-2	Oil seal	576	Handle	970	Nameplate
411	Mechanical seal	720	Outlet joint		



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
QD3-55/4-1.5J(220V/60Hz)	180	500	25	22.0
QD3-30/2-0.75(220V/60Hz)	180	575	25	30.0
QD10-26/2-1.5J(220V/60Hz)	190	530	51	28.0
QD6-35/2-1.5J(220V/60Hz)	190	515	38	28.0
QD10-40/3-2.2J(220V/60Hz)	190	660	51	36.0

Stainless Steel Submersible Sewage Pumps

WVS(D)

Performance Range

Max. Flow: 30m³/h
Max. Head: 15m

Application Limits

◎ Installing depth up to 5m
◎ Liquid temperature up to +40℃
◎ pH leve from 6.5-8.5
◎ Maximum sand content is 0.1%.Passage of suspended solids up to 0.2mm

Certificate

CE

Application Fields

◎ Suitable for transferring water without abrasive particles
◎ Suitable for well water lifting,farm irrigation,garden irrigation and living water supply
◎ Suitable for industrial water eliminating,construction water supply and drainage,breeding industry water supply and drainage,etc.

Features

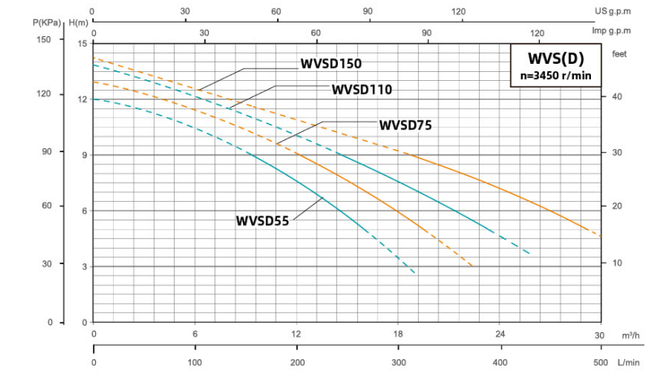
◎ New appearance design, high quality life
◎ Anti-overloading motor design, not easy to burn machine
◎ Lightweight design, easy to maintenance;
◎ water from the bottom, extracting a lower water level;
◎ Adopt PPOG20 plastic impeller, durable;
◎ Stainless steel screws, easy to maintain;

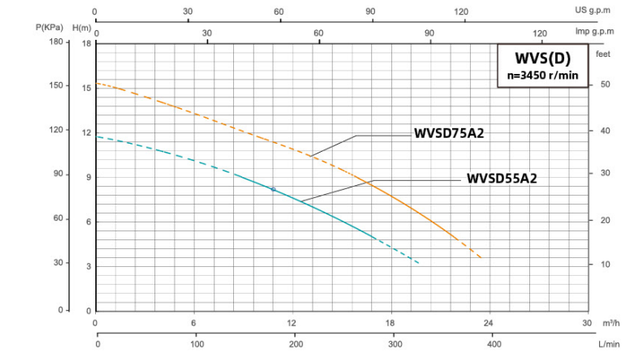
Model Instruction

WVSD 55 A2 F (220V / 60HZ)

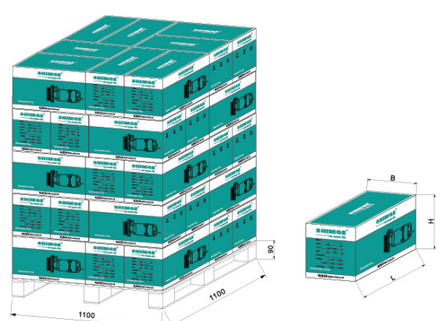
- Power Frequency (Hz)
- Rated Voltage (V)
- Float Switch (No Floating Ball With No Mark)
- Base With Net (No Net With No Mark)
- One-tenth Of Nominal Motor Power(W)
- Model Code (No D for Three-Phase)

Performance Curve

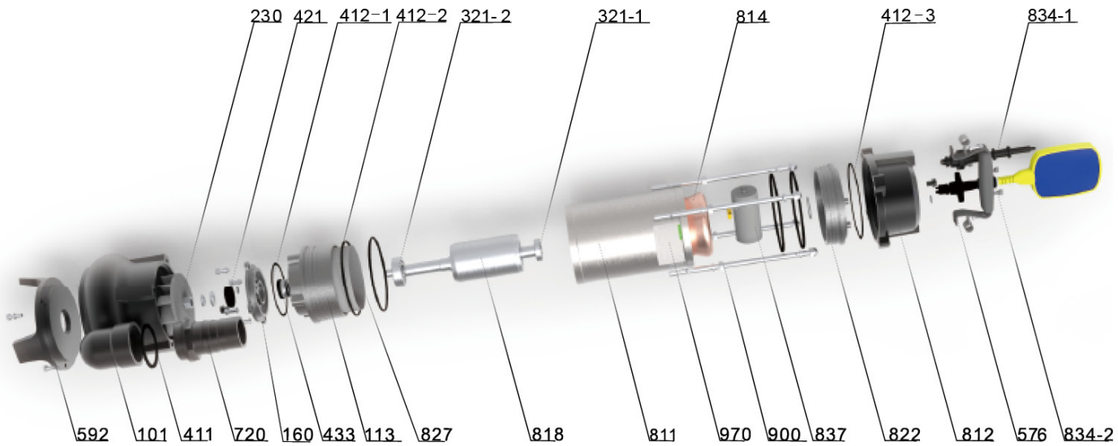




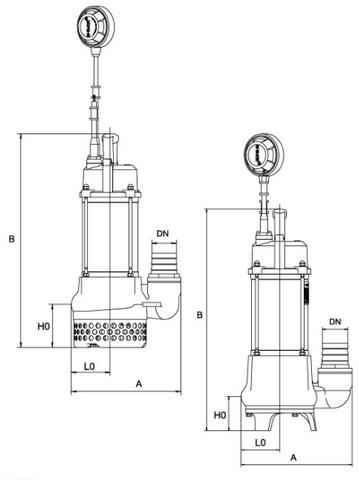
Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP								
WVSD55F(120V/60Hz)	0.550	0.75	7.5	18.0	10.0	9~5	3×1.5-5	260×190×480	17.0	1181
WVSD55F(220V/60Hz)	0.550	0.75	4.1	18.0	10.0	9~5	3×0.75-5	260×190×480	17.0	1181
WVSD55A2F(120V/60Hz)	0.550	0.75	7.5	18.0	11.0	9~5	3×1.5-5	260×190×450	17.0	1260
WVSD55A2(F)(220V/60Hz)	0.550	0.75	4.1	18.0	11.0	9~5	3×0.75-5	260×190×450	17.0	1260
WVSD75(F)(120V/60Hz)	0.750	1.00	9.6	21.0	12.0	9~5	3×1.5-5	260×190×500	19.0	1134
WVSD75F(220V/60Hz)	0.750	1.00	5.2	21.0	12.0	9~5	3×1-5	260×190×500	19.0	1134
WVSD75A2(F)(120V/60Hz)	0.750	1.00	9.6	20.0	15.0	9~5	3×1.5-5	260×190×470	19.0	1206
WVSD75A2(F)(220V/60Hz)	0.750	1.00	5.2	20.0	15.0	9~5	3×1-5	260×190×470	19.0	1206
WVSD110F(120V60Hz)	1.100	1.50	13.3	27.0	13.0	9~5	3×1.5-5	505×285×205	24.0	949
WVSD110(F)(220V/60Hz)	1.100	1.50	7.3	27.0	13.0	9~5	3×1.5-5	285×205×505	23.0	949
WVSD150(F)(220V60Hz)	1.500	2.00	13.2	30.0	14.0	9~5	3×1.5-5	505×285×205	25.0	949



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-3	O-ring	818	Rotor
113	Oil chamber	421	Framework oil seal	822	Upper bearing block
160	Net cover	433	Mechanical seal	827	Insulating paper
230	Oil chamber cover	576	Handle	834-1	Cable
321-1	Impeller	592	Base	834-2	Floating ball
321-2	Deep groove ball bearing	720	Outlet joint	837	Running capacitor
411	Deep groove ball bearing	811	Casing	900	Equal head double end stud
412-1	O-ring	812	Head cover	970	Nameplate
412-2	O-ring	814	Stator core with winding		



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
WVSD55F(120V/60Hz)	227	440	51	16.0
WVSD55F(220V/60Hz)	227	440	51	16.0
WVSD55A2F(120V/60Hz)	236	429	51	16.0
WVSD55A2(F)(220V/60Hz)	236	429	51	16.0
WVSD75(F)(120V/60Hz)	227	460	51	18.0
WVSD75F(220V/60Hz)	227	460	51	18.0
WVSD75A2(F)(120V/60Hz)	232	454	51	18.0
WVSD75A2(F)(220V/60Hz)	232	454	51	18.0
WVSD110F(120V60Hz)	245	476	51	23.0
WVSD110(F)(220V/60Hz)	245	476	51	22.0
WVSD150(F)(220V60Hz)	245	501	51	24.0

Multistage Submersible Pumps

DWE

Performance Range

Max. Flow: 125m³/h
Max. Head: 53m

Application Limits

- ◎ Maximum liquid temperature +40℃
- ◎ pH level from 4-10
- ◎ Maximum liquid density 1.2×10³kg/m³
- ◎ Power frequency is 60Hz.Voltage fluctuation range ± 10%
- ◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

This series pump is extensive used industry, agriculture, mine, building operations, environmental protection and municipal service. The fluid contained chopped fiber, paper scraps, sands, etc. solid granules or softness solid state fluid, such as turbid water, waste water, sewage, fecaluria, etc. especially suitable for farm irrigation, desilting and building operations, but explosion-proof demand use is inapplicable.

Features

- ◎ Fully iron casting, wear well;
- ◎ Compact design, Simply install and use
- ◎ Double-end mechanical sea, high reliability
- ◎ Insulation grade: B, Enclosure class: IPX8

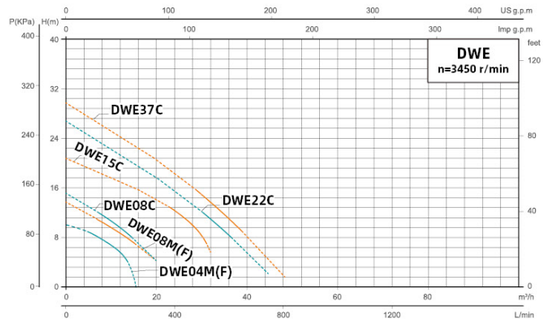
Model Instruction

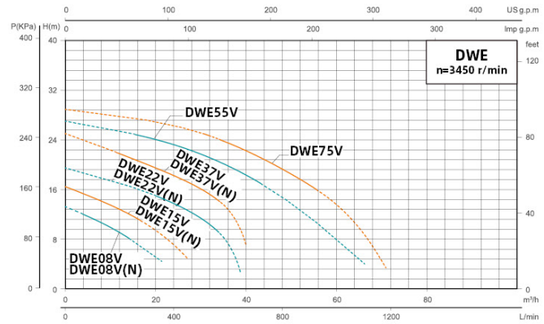
DWE - 04 M/B/C/V/VN

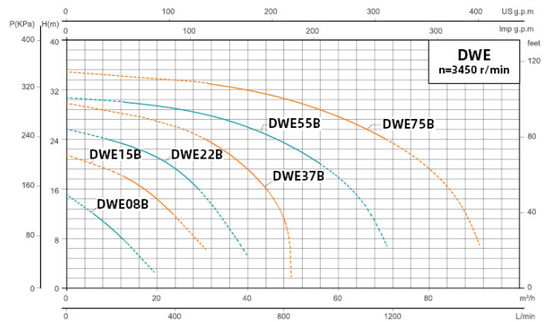
- Series Code
- Nominal Motor Power(kW)
- Waste Submersible Motor Pump

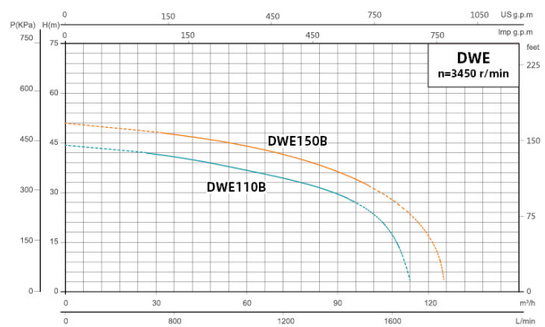
M--Single Phase motor
B-- Impeller with multi-blade
C--Impeller with single blade
V-- Vane vortex pump
VN-- Vane vortex pump with thread outlet pump body

Performance Curve

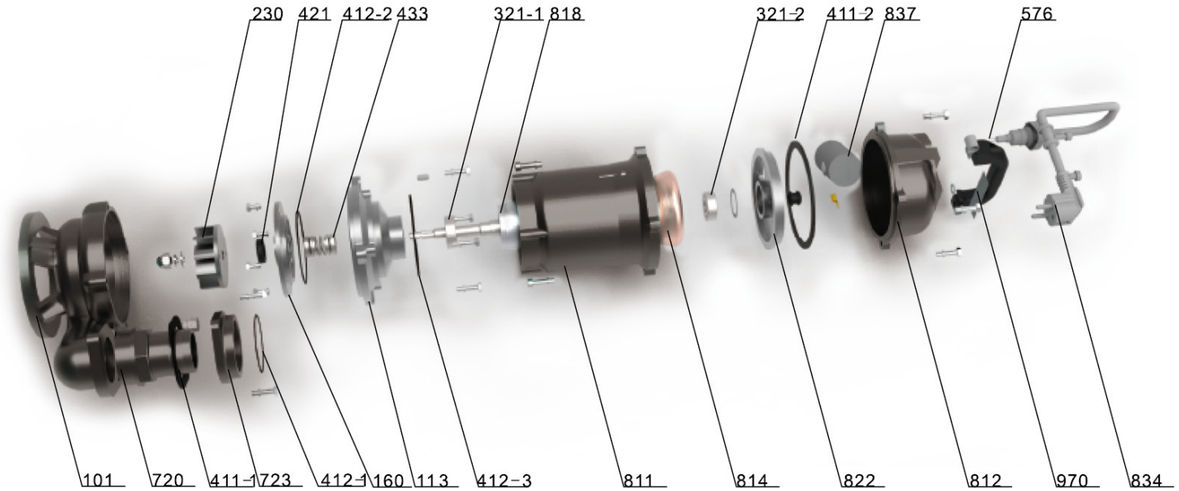






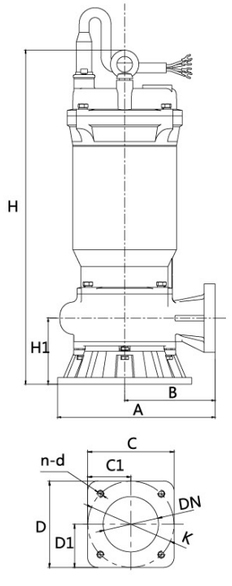


Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-1	O-ring	811	Casing
113	Oil chamber	412-2	O-ring	812	Head cover
160	Oil chamber cover	412-3	O-ring	814	Stator core with winding
230	Impeller	421	Framework oil seal	818	Rotor
321-1	Deep groove ball bearing	433	Mechanical seal	822	Upper bearing block
321-2	Deep groove ball bearing	576	Handle	834	Cable sheath
411-1	Rubber washer	720	Outlet joint	837	Running capacitor
411-2	Rubber washer	723	Flange	970	Nameplate

Model	Power		Rate Current (A)	Max. Flow (m^3/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
DWE-04M	0.400	0.50	3.1	15.0	10.0	9~5	3×0.75-6	445×205×260	17.5	1181
DWE-04MF	0.400	0.50	3.1	15.0	10.0	9~5	3×0.75-6	445×205×260	18.0	1181
DWE-04M(120V/60Hz)	0.400	0.50	5.7	15.0	10.0	9~5	3×0.75-6	445×205×260	17.5	1181
DWE-08M	0.750	1.00	5.2	19.0	14.0	11~7	3×1-6	510×205×225	28.5	1190
DWE-08MF	0.750	1.00	5.2	19.0	14.0	11~7	3×1-6	510×205×225	29.0	1190
DWE-08B	0.750	1.00	2	19.0	15.0	12~8	4×1.5-6	500×255×280	28.0	784
DWE-08C	0.750	1.00	2	18.0	15.0	12~8	4×1.5-6	500×255×280	28.0	784
DWE-08V	0.750	1.00	2	21.0	13.0	12~8	4×1.5-6	450×215×255	25.0	1135
DWE-15B	1.500	2.20	3.6	29.0	22.0	12~8	4×1.5-6	525×255×280	32.0	747
DWE-15B(220V/60Hz)	1.500	2.20	6.3	29.0	22.0	12~8	4×1.5-6	525×255×285	32.0	734
DWE-15B(220V/440V/60Hz)	1.500	2.20	6.3/3.1	29.0	22.0	12~8	4×1.5-6	525×255×280	32.0	747
DWE-15C	1.500	2.20	3.6	30.0	18.0	12~8	4×1.5-6	525×255×280	32.0	747
DWE-15V	1.500	2.20	3.6	27.0	17.0	17~11	4×1.5-6	475×215×255	29.0	1075
DWE-22B	2.200	3.00	5.1	39.0	26.0	24~16	4×2.5-6	1030×1118×640	43.0	38
DWE-22V	2.200	3.00	5.1	38.0	19.0	15~9	4×2.5-6	1010×900×645	42.0	48
DWE-22C	2.200	3.00	5.1	44.0	26.0	12~8	4×2.5-6	1030×1118×640	43.0	38
DWE-37B	3.700	5.00	8.2	48.0	30.0	24~16	4×2.5-6	1030×1118×640	47.0	38
DWE-37V	3.700	5.00	8.2	40.0	25.0	22~14	4×2.5-6	1010×900×645	47.0	48
DWE-37C	3.700	5.00	8.2	49.0	29.0	15~9	4×2.5-6	1030×1118×640	47.0	38
DWE-55B	5.500	7.50	11.7	74.0	30.0	30~20	3×6+1×4-6	945×862×860	71.0	40
DWE-55V	5.500	7.50	11.7	65.0	25.0	25~17	3×6+1×4-6	945×862×860	81.0	40
DWE-75B	7.500	10.00	15.7	90.0	33.0	33~24	3×6+1×4-6	945×862×860	75.0	40
DWE-75V	7.500	10.00	15.7	70.0	28.0	24~16	3×6+1×4-6	945×862×860	85.0	40
DWE-110B	11.000	15.00	22.9	100.0	43.0	42~28	7×4-6	910×405×480	141.0	158
DWE-150B	15.000	20.00	30.8	110.0	53.0	48~32	7×4-6	910×405×480	148.0	158
DWE-08V(N)	0.750	1.00	2	21.0	13.0	12~8	4×1.5-6	450×215×255	24.0	1135
DWE-15V(N)	1.500	2.20	3.6	27.0	17.0	17~11	4×1.5-6	475×215×255	27.0	1075
DWE-22V(N)	2.200	3.00	5.1	38.0	19.0	15~9	4×2.5-6	755×230×285	41.0	566
DWE-37V(N)	3.700	5.00	8.2	40.0	25.0	22~14	4×2.5-6	785×230×300	46.0	517



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
DWE-04M	233	374	50	15.5
DWE-04MF	233	374	50	16.0
DWE-04M(120V/60Hz)	233	374	50	15.5
DWE-08M	195	472	50	26.5
DWE-08MF	195	472	50	26.5
DWE-08B	251	438	60	26.0
DWE-08C	251	436	60	26.0
DWE-08V	219	408	50	23.0
DWE-15B	251	464	60	30.0
DWE-15B(220V/60Hz)	251	464	60	30.0
DWE-15B(220V/440V/60Hz)	251	464	60	30.0
DWE-15C	251	462	60	30.0
DWE-15V	219	434	50	27.0
DWE-22B	246	490	65	38.0
DWE-22V	246	488	75	37.0
DWE-22C	246	492	65	38.0
DWE-37B	246	520	65	42.0
DWE-37V	225	522	75	41.0
DWE-37C	246	518	65	42.0
DWE-55B	288	612	80	64.0
DWE-55V	288	643	90	74.0
DWE-75B	288	667	90	68.0
DWE-75V	288	708	90	78.0
DWE-110B	380	753	100	133.0
DWE-150B	380	751	100	140.0
DWE-08V(N)	259	408	NPT2	22.0
DWE-15V(N)	259	434	NPT2	25.0
DWE-22V(N)	326	488	NPT3	39.0
DWE-37V(N)	326	522	NPT3	44.0

Submersible Pumps For Dirty Water

WQK

Performance Range

Max. Flow: 125m^3/h
Max. Head: 53m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 4-10
◎ Maximum liquid density 1.2×10^3kg/m^3
◎ Power frequency is 60Hz.Nominal voltage is 220VAC or 440VAC and 380VAC for three phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

WQK series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

Features

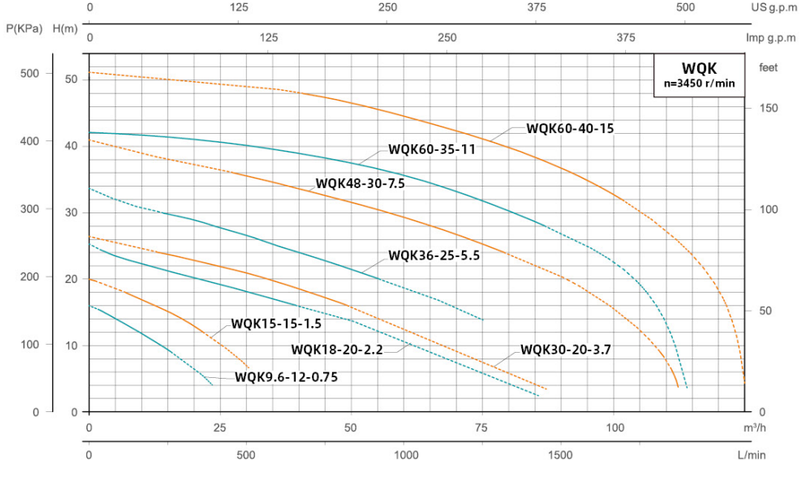
◎ The durable whole cast iron parts design.
◎ The shaft material are all of stainless steel material 2Cr13 carbide double sides mechanical sealing.
◎ Cutting impeller, objects can be cut up.
◎ Can be configured coupling bend, the water festival and directly connected with pipe thread or NPT threaded pipe bending.

Model Instruction

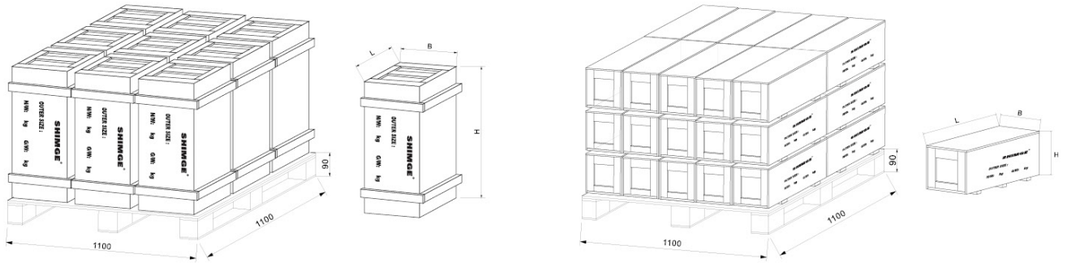
WQ K 30 - 20 -3.7 (380V / 60Hz)

- Power Frequency (Hz)
- Rated Voltage (V)
- Motor Power(kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- S.Korea
- Waste Submersible Motor Pump

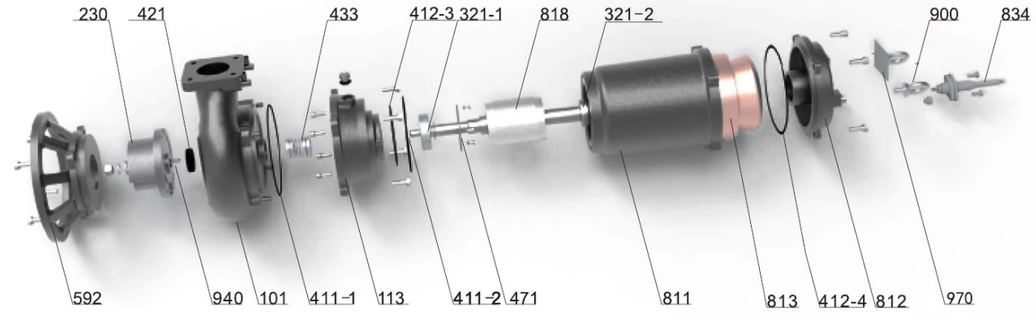
Performance Curve



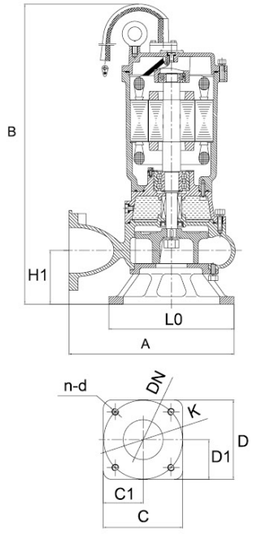
Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP								
WQK9.6-12-0.75(380V/60Hz)	0.75	1.0	2	22.0	15.0	15~9	4×1.5-6	525×250×305	30.0	699
WQK15-15-1.5(380V/60Hz)	1.5	2.2	3.6	33.0	21.0	18~12	4×1.5 ☆ -6	600×255×330	45.0	555
WQK18-20-2.2(380V/60Hz)	2.2	3.0	5.1	55.0	25.0	24~16	4×1.5 ☆ -6	600×275×365	56.0	465
WQK30-20-3.7(380V/60Hz)	3.7	5.0	8.2	72.0	27.0	24~16	4×4-6	370×325×680	72.0	342
WQK36-25-5.5(380V/60Hz)	5.5	7.5	11.7	90.0	32.0	30~20	4×4-6	400×340×770	86.0	267
WQK48-30-7.5(380V/60Hz)	7.5	10	15.7	110.0	39.0	36~24	3×6+1×4-6	400×340×770	92.0	267
WQK60-35-11(380V/60Hz)	11.0	15	22.9	100.0	43.0	42~28	7×4-6	910×405×480	132.0	158
WQK60-40-15(380V/60Hz)	15	20	30.8	110.0	53.0	48~32	7×4-6	910×405×480	139.0	158
WQK9.6-12-0.75(220V/440V-60Hz)	0.75	1.0	3.5/1.7	22.0	15.0	15~9	4×1.5-6	525×250×305	30.0	699
WQK15-15-1.5(220V/440V-60Hz)	1.5	2.2	6.3/3.1	33.0	21.0	18~12	4×1.5 ☆ -6	600×255×330	45.0	555
WQK18-20-2.2(220V/440V-60Hz)	2.2	3.0	8.8/4.4	55.0	25.0	24~16	4×1.5 ☆ -6	600×275×365	56.0	465
WQK30-20-3.7(220V/440V-60Hz)	3.7	5.0	14.1/7.1	72.0	27.0	24~16	4×4-6	370×325×680	72.0	342
WQK36-25-5.5(220V/440V-60Hz)	5.5	7.5	20.1/10.6	90.0	32.0	30~20	4×4-6	395×340×940	86.0	222
WQK48-30-7.5(220V/440V-60Hz)	7.5	10	27.1/13.6	110.0	39.0	36~24	3×6+1×4-6	395×340×940	92.0	222
WQK60-35-11(220V/440V-60Hz)	11	15	39.5/19.8	100.0	43.0	42~28	3×6+1×4-6	910×405×480	132.0	158
WQK60-40-15(220V/440V-60Hz)	15	20	53.3/26.6	110.0	53.0	48~32	3×10+1×6-6	910×405×480	139.0	158



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	411-3	O-ring	812	Head cover
113	Oil chamber	411-4	O-ring	814	Stator core with winding
230	Impeller	421	Framework oil seal	818	Rotor
321-1	Deep groove ball bearing	433	Mechanical seal	834	Cable
321-2	Deep groove ball bearing	471	Bearing gland	900	Lifting bolt
411-1	O-ring	592	Base	940	Ordinary flat key
411-2	O-ring	811	Casing	970	Nameplate



Dimensions & Weight

Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
WQK9.6-12-0.75(380V/60Hz)	250	448	50	27.0
WQK15-15-1.5(380V/60Hz)	270	506	50	40.0
WQK18-20-2.2(380V/60Hz)	293	510	80	51.0
WQK30-20-3.7(380V/60Hz)	325	536	80	66.0
WQK36-25-5.5(380V/60Hz)	270	622	100	79.0
WQK48-30-7.5(380V/60Hz)	315	622	100	85.0
WQK60-35-11(380V/60Hz)	380	745	100	126.0
WQK60-40-15(380V/60Hz)	380	745	100	133.0
WQK9.6-12-0.75(220V/440V-60Hz)	250	448	50	27.0
WQK15-15-1.5(220V/440V-60Hz)	270	506	50	40.0
WQK18-20-2.2(220V/440V-60Hz)	293	510	80	51.0
WQK30-20-3.7(220V/440V-60Hz)	325	536	80	66.0
WQK36-25-5.5(220V/440V-60Hz)	270	622	100	79.0
WQK48-30-7.5(220V/440V-60Hz)	315	622	100	85.0
WQK60-35-11(220V/440V-60Hz)	380	745	100	126.0
WQK60-40-15(220V/440V-60Hz)	380	745	100	133.0

Submersible Sewage Pump

WQ(D)

Performance Range

Max. Flow: 140m³/h
Max. Head: 44m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 4-10
◎ Maximum liquid density 1.2×10³ kg/m³
◎ Power frequency is 60Hz.Nominal voltage is 120VAC or 220VAC for single phase and 380VAC for three phase with the range from -10% to +10%.
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

WQ(D) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining watercontaining particles such as short fibers, paper scraps,etc. and soft solid,such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipmentfor agricultural irrigation and drainage,poolsiltcleaning and site construction, but do not apply to the location with explosion-proof requirements.

Features

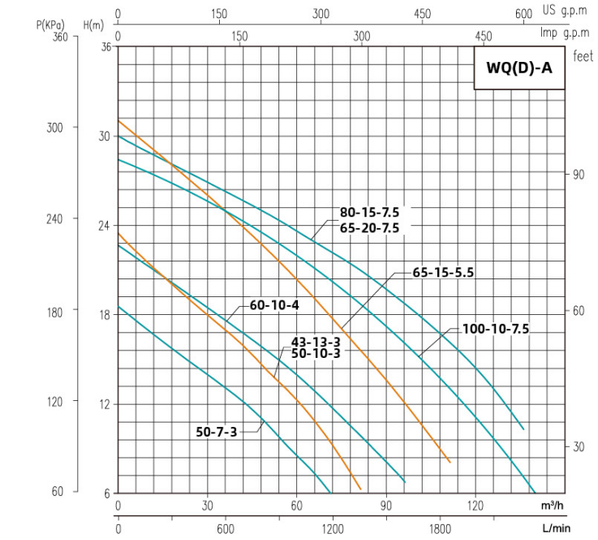
◎ Wear-resistant whole cast iron parts design
◎ Double channel impeller, good flow capacity, excellent hydraulic performance
◎ The stainless steel shaft extension, carbide double sides mechanical sealing

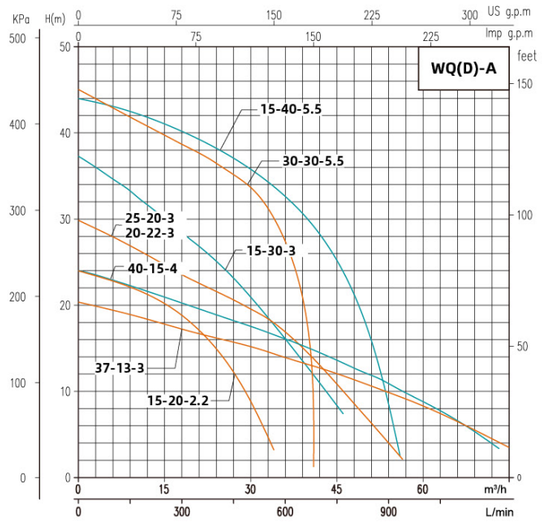
Model Instruction

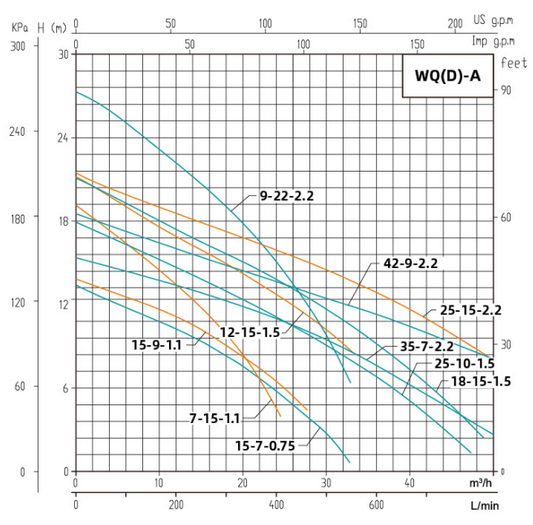
WQ D 15 - 9 - 1.1 A (380V / 60Hz)

- WQ: Waste Submersible Motor Pump
- D: Single phase motor (three phase no marking)
- 15: Rated Flow (m³/h)
- 9: Rated Head (m)
- 1.1: Motor Power(kW)
- A: Series Code
- 380V: Rated Voltage (V)
- 60Hz: Power Frequency (Hz)

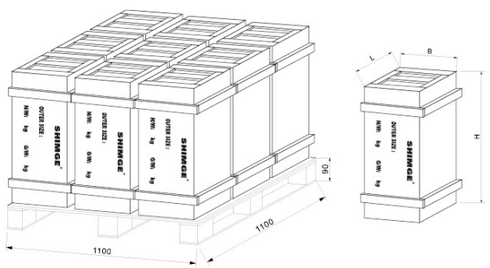
Performance Curve

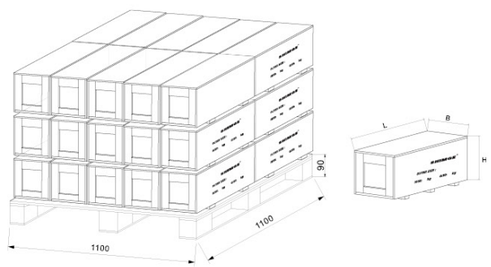




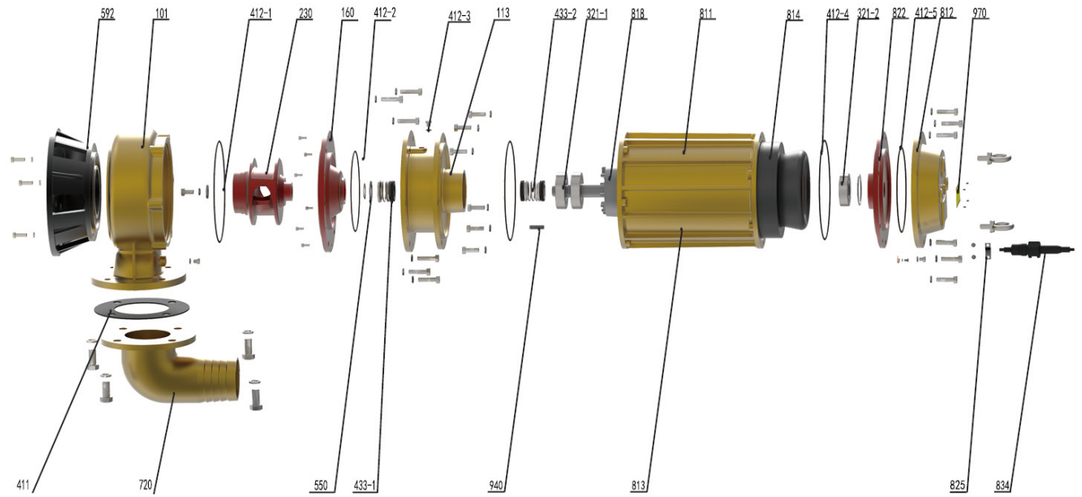


Model	Power		Rate Current (A)	Max. Flow (m^3/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP								
WQD6-12-0.55AF(120V/60Hz)	0.550	0.75	7.5	17.5	15.0	14~0	3×1-8	470×250×235	21.0	1014
WQD6-12-0.55A(220V/60Hz)	0.550	0.75	4.1	17.5	15.0	14~0	3×0.75-8	470×250×235	21.0	1014
WQD6-16-0.75A(120V/60Hz)	0.750	1.00	9.6	22.0	19.0	18~5	3×1.5-8	470×250×235	23.0	1014
WQD6-16-0.75F(120V/60Hz)	0.750	1.00	9.6	22.0	19.0	18~5	3×1.5-8	470×250×235	23.0	1014
WQ6-16-0.75A(220V-380V/60Hz)	0.750	1.00	3.4/2	22.0	19.0	18~5	4×0.75-8	540×240×280	22.0	772
WQD6-16-0.75A(220V/60Hz)	0.750	1.00	5.2	22.0	19.0	18~5	3×0.75-8	470×250×235	23.0	1014
WQD6-16-0.75F(220V/60Hz)	0.750	1.00	5.2	22.0	19.0	18~5	3×0.75-8	470×250×235	22.0	1014
WQD10-10-0.75A(220V/60Hz)	0.750	1.00	5.2	24.0	15.0	15~0	3×0.75-8	520×210×275	29.0	932
WQ10-10-0.75A(220-380V/60Hz)	0.750	1.00	3.4/2	24.0	15.0	15~0	4×0.75-8	540×240×280	31.0	772
WQ15-7-0.75A(220-380V/60Hz)	0.750	1.00	3.4/2	20.0	17.0	17~0	4×0.75-8	540×240×280	32.0	772
WQD7-15-1.1A(115V/60Hz)	1.100	1.50	13.9	22.0	19.0	18~3	3×1.5-8	540×240×280	31.0	772
WQD7-15-1.1A(220V/60Hz)	1.100	1.50	7.3	22.0	19.0	18~3	3×1-8	540×240×280	31.0	772
WQ7-15-1.1A(220V-380V/60Hz)	1.100	1.50	4.7/2.7	22.0	19.0	18~3	4×0.75-8	540×240×280	31.0	772
WQD15-9-1.1A(220V/60Hz)	1.100	1.50	7.3	25.0	14.0	14~0	3×1-8	540×240×280	32.0	772
WQ15-9-1.1A(220V-380V/60Hz)	1.100	1.50	4.7/2.7	25.0	14.0	14~0	4×0.75-8	540×240×280	32.0	772
WQ12-15-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	34.0	20.0	20~0	4×1-8	610×260×308	40.0	573
WQ18-15-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	47.0	19.0	19~0	4×1-8	610×260×308	45.0	573
WQ25-7-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	40.0	14.0	14~0	4×1-8	610×260×308	39.0	573
WQ25-10-1.5A(220V-380V/60Hz)	1.500	2.00	6.3/3.6	42.0	15.0	15~0	4×1-8	610×260×308	42.0	573
WQ9-22-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	29.0	25.0	25~0	3×1.5+1×1-8	635×260×348	47.0	487
WQ15-20-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	35.0	25.0	25~0	3×1.5+1×1-8	635×260×348	50.0	487
WQ25-15-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	60.0	20.0	20~0	3×1.5+1×1-8	635×260×348	50.0	487
WQ35-7-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	50.0	15.0	15~0	3×1.5+1×1-8	635×260×348	50.0	487
WQ42-9-2.2A(220V-380V/60Hz)	2.200	3.00	8.8/5.1	60.0	16.0	19~0	3×1.5+1×1-8	655×270×328	52.0	483
WQ15-30-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	31.0	34.0	34~20	3×1.5+1×1 ☆ -8	635×260×348	53.0	487
WQ20-22-3A（220-380V/60Hz）	3.000	4.00	11.5/6.7	45.0	27.0	26~10	3×1.5+1×1 ☆ -8	635×260×348	54.0	487
WQ25-20-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	48.0	25.0	25~10	3×1.5+1×1 ☆ -8	635×260×348	54.0	487
WQ37-13-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	37.0	20.0	20~0	3×1.5+1×1 ☆ -8	720×320×390	61.0	312
WQ43-13-3A(220V-380V/60Hz)	3.000	4.00	11.5/6.7	84.0	19.0	19~0	3×1.5+1×1 ☆ -8	720×320×390	68.0	312
WQ50-7-3A（220-380V/60Hz）	3.000	4.00	11.5/6.7	72.0	13.0	13~0	3×1.5+1×1 ☆ -8	720×320×390	68.0	312
WQ50-10-3A（220-380V/60Hz）	3.000	4.00	11.5/6.7	84.0	19.0	19~0	3×1.5+1×1 ☆ -8	720×320×390	62.0	312
WQ40-15-4A(220-380V/60Hz)	4.000	5.50	15.2/8.8	70.0	22.0	22~0	3×2.5+1×1.5-8	755×325×395	80.0	289
WQ60-10-4A(220V-380V/60Hz)	4.000	5.50	15.2/8.8	92.0	18.0	18~0	3×2.5+1×1.5-8	800×335×395	83.0	265
WQ15-40-5.5A（220-380V/60Hz）	5.500	7.50	20.1/11.7	52.0	42.5	42.5~0	3×4+1×2.5-8	755×325×395	85.0	289
WQ30-30-5.5A(220-380V/60Hz)	5.500	7.50	20.1/11.7	39.0	37.0	37~0	3×4+1×2.5-8	800×320×380	88.0	288
WQ65-15-5.5A(220-380V/60Hz)	5.500	7.50	20.1/11.7	110.0	25.0	25~0	3×4+1×2.5-8	345×325×1050	103.0	238
WQ65-20-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	27~0	3×6+1×4-8	870×430×520	128.0	144
WQ80-15-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	27~0	3×6+1×4-8	870×430×520	128.0	144
WQ100-10-7.5A(220-380V/60Hz)	7.500	10.00	27.1/15.7	140.0	27.0	27~0	3×6+1×4-8	870×430×520	131.0	144



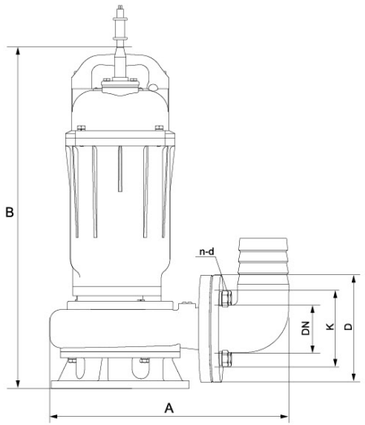


Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-3	O-ring	812	Head cover
113	Oil chamber cover	412-4	O-ring	814	Stator core with winding
160	Oil chamber cover	412-5	O-ring	818	Rotor
230	Impeller	433-1	Mechanical seal	822	Upper bearing block
321-1	Deep groove ball bearing	433-2	Mechanical seal	825	Cable pressing plate
321-2	Deep groove ball bearing	550	Mechanical seal ring	834	Cable sheath
411	Rubber washer	592	Base	940	Flat key
412-1	O-ring	720	Outlet joint	970	Nameplate
412-2	O-ring	811	Casing		

Dimensions & Weight



Model	Dim.(mm)			N.W. (kg)
	A	B	DN	
WQD6-12-0.55AF(120V/60Hz)	245	435	G1-1/2	19.0
WQD6-12-0.55A(220V/60Hz)	245	435	G1-1/2	19.0
WQD6-16-0.75A(120V/60Hz)	245	425	G1-1/2	21.0
WQD6-16-0.75F(120V/60Hz)	245	425	G1-1/2	21.0
WQ6-16-0.75A(220V-380V/60Hz)	245	435	G1-1/2	20.0
WQD6-16-0.75A(220V/60Hz)	245	425	G1-1/2	22.0
WQD6-16-0.75F(220V/60Hz)	245	425	G1-1/2	21.0
WQD10-10-0.75A(220V/60Hz)	297	440	50	26.0
WQ10-10-0.75A(220-380V/60Hz)	297	440	50	29.0
WQ15-7-0.75A(220-380V/60Hz)	297	435	50	30.0
WQD7-15-1.1A(115V/60Hz)	258	460	G1-1/2	28.0
WQD7-15-1.1A(220V/60Hz)	258	460	G1-1/2	28.0
WQ7-15-1.1A(220V-380V/60Hz)	254	460	G1-1/2	28.0
WQD15-9-1.1A(220V/60Hz)	314	454	50	29.0
WQ15-9-1.1A(220V-380V/60Hz)	316	468	50	29.0
WQ12-15-1.5A(220V-380V/60Hz)	340	540	50	36.0
WQ18-15-1.5A(220V-380V/60Hz)	347	540	50	41.0
WQ25-7-1.5A(220V-380V/60Hz)	333	542	65	35.0
WQ25-10-1.5A(220V-380V/60Hz)	331	534	50	38.0
WQ9-22-2.2A(220V-380V/60Hz)	326	556	50	42.0
WQ15-20-2.2A(220V-380V/60Hz)	341	556	50	45.0
WQ25-15-2.2A(220V-380V/60Hz)	370	570	65	45.0
WQ35-7-2.2A(220V-380V/60Hz)	369	567	65	45.0
WQ42-9-2.2A(220V-380V/60Hz)	367	593	65	47.0
WQ15-30-3A(220V-380V/60Hz)	345	550	50	48.0
WQ20-22-3A（220-380V/60Hz）	360	560	65	49.0
WQ25-20-3A(220V-380V/60Hz)	236	552	65	48.0
WQ37-13-3A(220V-380V/60Hz)	360	563	65	54.0
WQ43-13-3A(220V-380V/60Hz)	400	602	80	62.0
WQ50-7-3A（220-380V/60Hz）	402	602	80	62.0
WQ50-10-3A（220-380V/60Hz）	402	602	80	56.0
WQ40-15-4A(220-380V/60Hz)	402	661	80	74.0
WQ60-10-4A(220V-380V/60Hz)	452	704	100	75.0
WQ15-40-5.5A（220-380V/60Hz）	396	670	50	78.0
WQ30-30-5.5A(220-380V/60Hz)	405	710	80	81.0
WQ65-15-5.5A(220-380V/60Hz)	452	826	100	93.0
WQ65-20-7.5A(220-380V/60Hz)	498	733	100	115.0
WQ80-15-7.5A(220-380V/60Hz)	498	733	100	115.0
WQ100-10-7.5A(220-380V/60Hz)	495	730	100	118.0

Submersible Sewage Pump

WQ(D)-4P

Performance Range

Maximum flow: 88 (m^3/h)
Maximum lift: 13m

Application Limits

◎ The temperature of the medium shall not exceed +40℃ ;
◎ The PH value of the medium shall be 4~10;
◎ The maximum density of the medium shall be 1.2×103kg/m^3;
◎ The frequency of the power supply shall be 60Hz; the voltage of the single-phase alternating current shall be 127V/230V and that of the three-phase alternating current shall be 230V; the voltage fluctuation range shall be ±10% of the rated voltage; and
◎ The submersion depth shall be no less than 0.5m and no more than 5m.

Application

This series of electric pumps are widely applied to industry, agriculture, hotels, hospitals, construction, municipal services, environmental protection, and other sectors. A 50WQ (D) pump with the discharge capacity of 1.5 inches can be used to process sewage, waste water and flood containing particles below 1.5 inches, while a 80WQ (D) with the discharge capacity of 2 inches can be utilized for the treatment of sewage, waste water and flood containing particles below 2 inches. This kind of pumps can be employed to pump liquid containing solid particles such as fiber, paper scrapped, or silt or soft solid objects, like muddy water, dusty water, domestic wastewater, sewage, and slurry, serving as ideal hydraulic units for drainage of sewage and flood and onsite construction, which, however, cannot be used in any place with the requirement for explosion proofing or any explosive or flammable place or used to treat any explosive or flammable liquid like oil, gasoline, kerosene, or ethyl alcohol.

Features

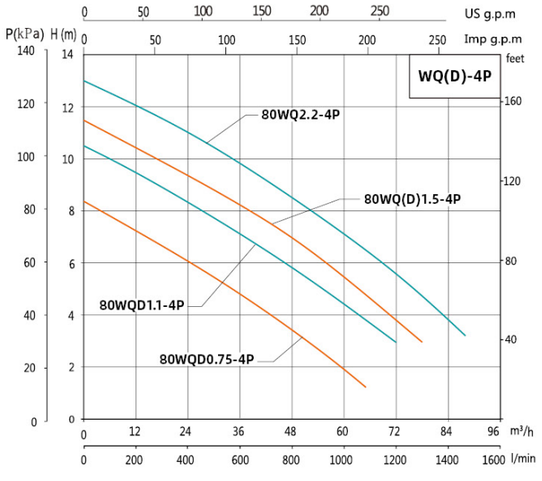
◎ A oil-filled quadrupole motor featured by steady and reliable operation.
◎ The rotor spindle of an electric pump of this series is made through the friction welding of steel 45 and stainless steel 304, ensuring reliable mechanical strength and effectively improving the resistance of the spindle against abrasion and corrosion as well as assisting in the removal of the impeller for repair.
◎ The impeller of the electric pump is made of QT450-10 which can effectively improve the abrasion performance of the impeller.
◎ Two mechanical seals are connected in series, achieving stable performance and strong resistance against sand.
◎ A diamond-shaped flange connector is good for change-over, which is convenient for change-over to a pipe with a different diameter, contributing to easy usage.
◎ With strong discharge capacity: 1.5 inches for 50WQ (D) pump and 2 inches for 80WQ (D).

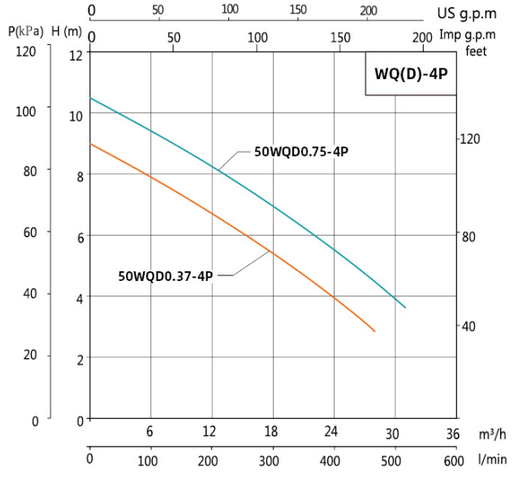
Model Instruction

50 WQ D 0.75 - 4P (F)(127V/60Hz)

- rated frequency
- rated voltage
- with floating ball
- number of poles of the motor
- Rated power of the motor provided (kW)
- single-phase or two-phase (no D will be marked in case of three phases)
- submersible electric pump for sewage
- outlet diameter

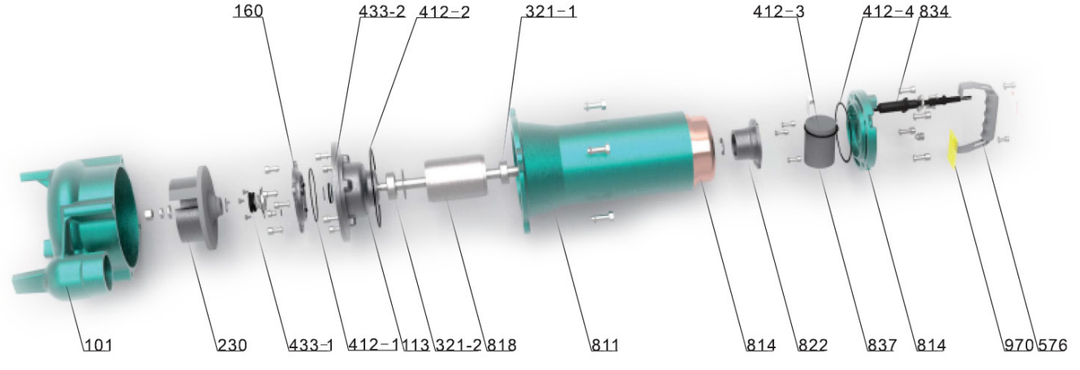
Performance Curve



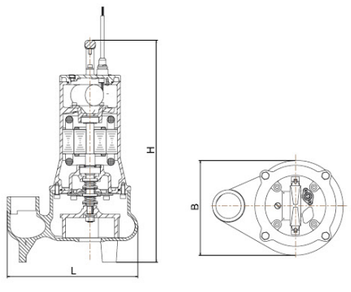


Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP							
50WQD0.37-4P(127V/60Hz)	0.37	0.5	7.5	28	9	3×1-8	330×230×550	30	320
50WQD0.37-4P(F)(127V/60Hz)	0.37	0.5	7.5	28	9	3×1-8	330×230×550	30	320
50WQD0.37-4P(230V/60Hz)	0.37	0.5	3.5	28	9	3×0.75-8	330×230×550	30	320
50WQD0.37-4P(F)(230V/60Hz)	0.37	0.5	3.5	28	9	3×0.75-8	330×230×550	30	320
50WQD0.75-4P(230V/60Hz)	0.75	1	6	31	10.5	3×0.75-8	330×230×600	34	320
50WQD0.75-4P(F)(230V/60Hz)	0.75	1	6	31	10.5	3×0.75-8	330×230×600	34	320
50WQD0.75-4P(127V/60Hz)	0.75	1	11	31	10.5	3×1.5-8	330×230×600	34	320
50WQD0.75-4P(F)(127V/60Hz)	0.75	1	11	31	10.5	3×1.5-8	330×230×600	34	320
80WQD0.75-4P(127V/60Hz)	0.75	1	11	65	8.5	3×2.5-8	425×320×660	50	160
80WQD0.75-4P(230V/60Hz)	0.75	1	6	65	8.5	3×1-8	425×320×660	50	160
80WQD1.1-4P(127V/60Hz)	1.1	1.5	15.5	72	10.5	3×2.5-8	425×320×660	51	160
80WQD1.1-4P(230V/60Hz)	1.1	1.5	8.5	72	10.5	3×1.5-8	425×320×660	51	160
80WQD1.5-4P(230V/60Hz)	1.5	2	11.5	78	11.5	3×2.5-8	425×320×680	53	160
80WQ1.5-4P(230V/60Hz)	1.5	2	7.5	78	11.5	4×1-8	425×320×650	52	160
80WQ2.2-4P(230V/60Hz)	2.2	3	10.5	88	13	4×1.5-8	425×320×680	56	160

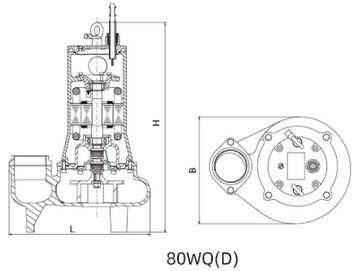
Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-2	O-ring	812	Head cover
113	Oil chamber	412-3	O-ring	814	Stator core with winding
160	Oil chamber cover	412-4	O-ring	818	Rotor
230	Impeller	433-1	Mechanical seal	822	Upper bearing block
321-1	Deep groove ball bearing	433-2	Mechanical seal	834	Cable
321-2	Deep groove ball bearing	576	Handle	837	Running capacitor
412-1	O-ring	811	Casing	970	Nameplate



50WQ(D)



80WQ(D)

Dimensions & Weight

Model	Dim.(mm)			DN	N.W. (kg)
	L	B	H		
50WQD0.37-4P(127V/60Hz)	300	220	505	NPT2	28
50WQD0.37-4P(F)(127V/60Hz)	300	220	505	NPT2	28
50WQD0.37-4P(230V/60Hz)	300	220	505	NPT2	28
50WQD0.37-4P(F)(230V/60Hz)	300	220	505	NPT2	28
50WQD0.75-4P(230V/60Hz)	300	220	545	NPT2	32
50WQD0.75-4P(F)(230V/60Hz)	300	220	545	NPT2	32
50WQD0.75-4P(127V/60Hz)	300	220	545	NPT2	32
50WQD0.75-4P(F)(127V/60Hz)	300	220	545	NPT2	32
80WQD0.75-4P(127V/60Hz)	385	295	590	NPT3/NPT2	46
80WQD0.75-4P(230V/60Hz)	385	295	590	NPT3/NPT2	47
80WQD1.1-4P(127V/60Hz)	385	295	590	NPT3/NPT2	48
80WQD1.1-4P(230V/60Hz)	385	295	590	NPT3/NPT2	49
80WQD1.5-4P(230V/60Hz)	385	295	620	NPT3/NPT2	50
80WQ1.5-4P(230V/60Hz)	385	295	575	NPT3/NPT2	49
80WQ2.2-4P(230V/60Hz)	385	295	615	NPT3/NPT2	53

Submersible Sewage Pump

WQ

Performance Range

Max. Flow: 400m³/h
Max. Head: 46m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 4-10
◎ Maximum liquid density 1.2×10³ kg/m³
◎ Voltage fluctuation range ± 10%
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

WQ(Single stage with high power) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

Features

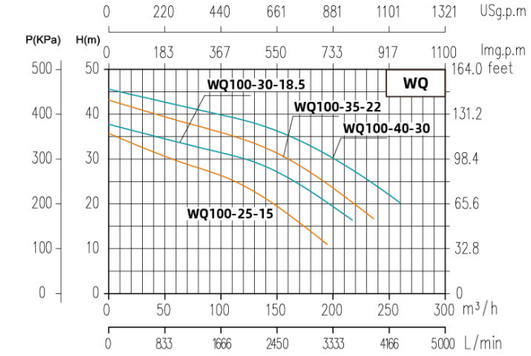
◎ Large power submersible sewage pump, the standard flange outlet.
◎ Double channel impeller, good flowing capacity, excellent hydraulic performance.
◎ Stainless steel shaft extension and carbide double sides mechanical sealing.

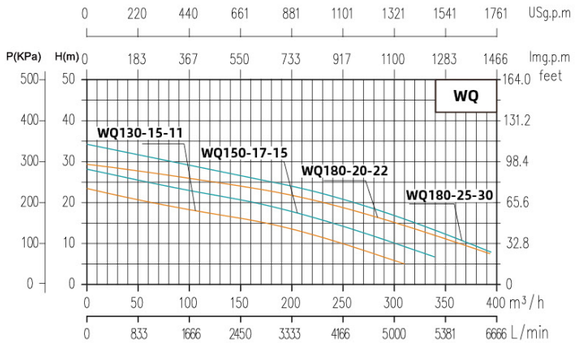
Model Instruction

WQ 100 - 25 - 15 (220V / 60Hz)

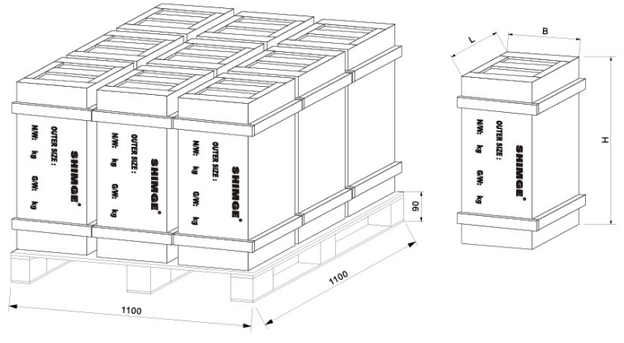
- Power Frequency (Hz)
- Rated Voltage (V)
- Motor Power(kW)
- Rated Head (m)
- Rated Flow (m³/h)
- Waste Submersible Motor Pump

Performance Curve

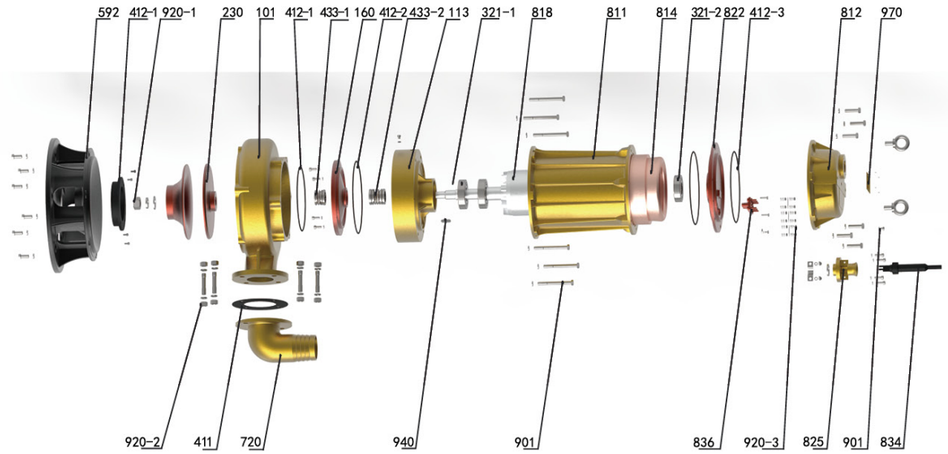




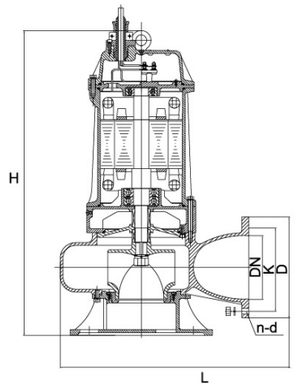
Model	Power		Rate Current (A)	Solids Passage (mm)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP									
WQ130-15-11(220V/60Hz)	11	15	41	45	310	22	22~0	3x10+1x6-8	600×500×1290	271	36
WQ100-25-15(220V/60Hz)	15	20	55	35	195	30	30~15	3x10+1x6-8	650×560×1230	268	36
WQ150-17-15(220V/60Hz)	15	20	55	45	310	28	28~0	3x10+1x6-8	600×500×1290	268	36
WQ100-30-18.5(220V/60Hz)	18.5	25	65	35	215	37	37~0	4x16-8	690×560×1230	365	27
WQ100-35-22(220V/60Hz)	22	30	77	35	235	42	42~20	4x16-8	690×600×1300	383	27
WQ180-20-22(220V/60Hz)	22	30	77	45	390	28	28~0	4x16-8	690×570×1350	400	27
WQ100-40-30(220V/60Hz)	30	40	105	35	260	44	44~25	4x25-8	690×600×1300	427	27
WQ180-25-30(220V/60Hz)	30	40	105	45	390	34	34~0	4x25-8	690×570×1350	417	27



Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	433-1	Mechanical seal	834	Cable sheath
160	Oil chamber cover	433-2	Mechanical seal	836	Terminal block
113	Oil chamber	502	Seal ring	901	Hexagon head bolt M12x125
230	Impeller	592	Base	920-1	Hexagon nut - Style 1
321-1	Deep groove ball bearing	720	Outlet joint	920-2	Hexagon nut - Style 1
321-2	Deep groove ball bearing	811	Casing	920-3	Hexagon nut - Style 1
411	Rubber washer	812	Head cover	940	Flat key
412-1	O-ring	814	Stator core with winding	970	Nameplate
412-2	O-ring	818	Rotor	752-1	Check valve seat
412-3	O-ring	822	Upper bearing block		
412-4	O-ring	825	Cable pressing plate		



Dimensions & Weight

Model	Dim.(mm)							N.W. (kg)
	N°STAGES	L	H	DN	D	K	n-d	
WQ130-15-11(220V/60Hz)	1	575	1030	150	280	241.5	8-Φ19	256
WQ100-25-15(220V/60Hz)	1	550	1030	100	229	190.5	8-Φ19	253
WQ150-17-15(220V/60Hz)	1	525	1030	150	280	241.5	8-Φ19	253
WQ100-30-18.5(220V/60Hz)	1	615	1110	100	229	190.5	8-Φ19	350
WQ100-35-22(220V/60Hz)	1	615	1100	100	229	190.5	8-Φ19	368
WQ180-20-22(220V/60Hz)	1	580	1110	150	280	241.5	8-Φ19	386
WQ100-40-30(220V/60Hz)	1	615	1235	100	229	190.5	8-Φ19	412
WQ180-25-30(220V/60Hz)	1	580	1245	150	280	241.5	8-Φ19	402

Disc Cutting Sewage Sewage Submersible Pump

WQ-QG

Performance Range

◎ Max. Flow: 120m³/ h
◎ Max. Head: 40m

Application Limits

◎ Maximum liquid temperature +40℃
◎ pH level from 4-10
◎ Maximum liquid density 1.2×10³kg/m³
◎ Power frequency is 50Hz.Norminal voltage is 380VAC
◎ for three phase with the range from -10% to +10%
◎ Immersion depth from 0.5m-5m

Certificate

CE

Application Fields

WQ-QG disc cutting sewage sewage submersible pump, implementing Q/SG151 standard. The electric pump is mainly composed of three parts: electric motor, water pump and seal. The motor is located at the upper part of the electric pump. The motor is a two-pole motor. The water pump is located in the lower part of the electric pump. The oil chamber uses a single-end mechanical seal, and the pump chamber uses a single-end mechanical seal. Each fixed seal is made of "O" oil-resistant rubber seal for static sealing to ensure the reliability of the electric pump seal. The electric pump rotor shaft is composed of 45 steel and 304 stainless steel friction welding to ensure more reliable mechanical strength of the shaft, which can effectively improve the wear resistance and corrosion resistance of the shaft, and also facilitate the maintenance and disassembly of the impeller. The water inlet of the electric pump is equipped with a cutting disc, the impeller rotates at a high speed, the cutting disc is fixed on the pump body, and the long fiber cloth, hair and other debris in the water can be chopped during operation, and the gap between the spiral impeller and the cutting disc is small.

Product Usage

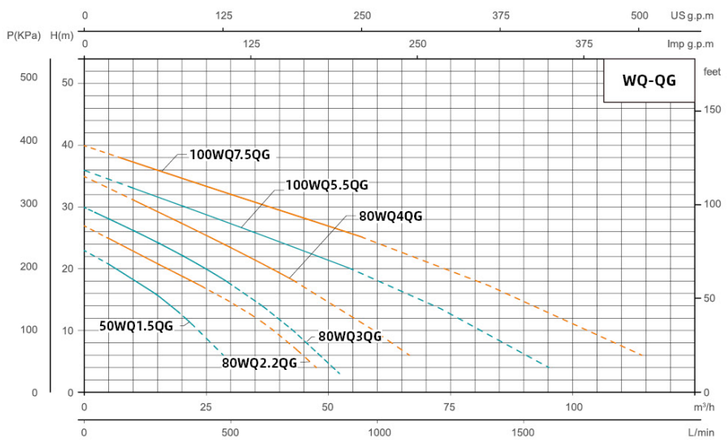
◎ Extract domestic sewage
◎ Excluding industrial sewage
◎ Biogas digesters
◎ Sewage treatment
◎ Aquaculture sewage

Model Instruction

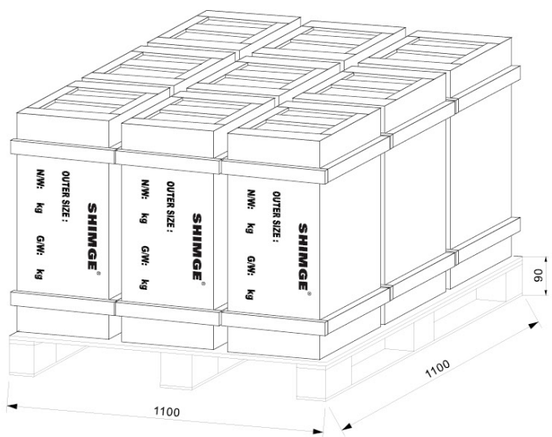
50 WQ 1.5 QG (380V/60Hz)

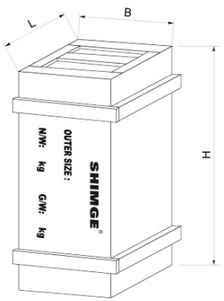
- Power Frequency (Hz)
- Rated Voltage (V)
- Cut type
- Rated power in kilowatts (kW)
- Three-phase sewage sewage submersible pump
- Discharge port diameter (mm)

Performance Curve

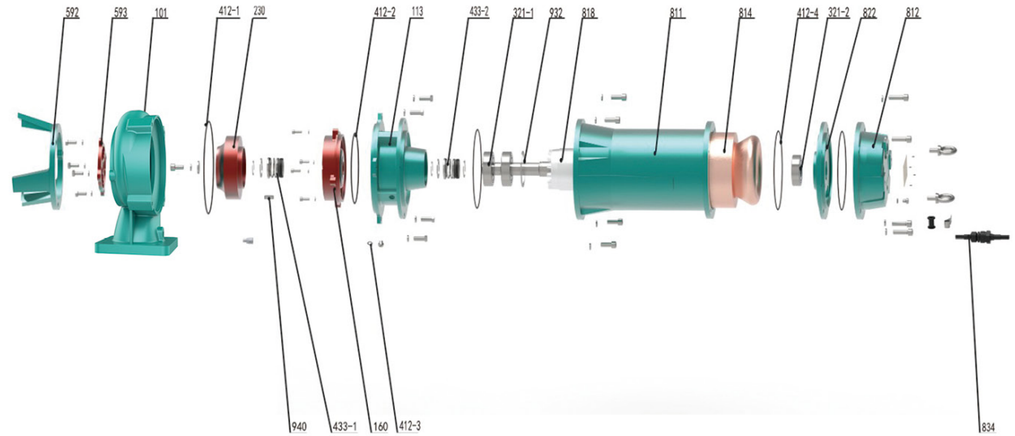


Model	Power		Rate Current (A)	Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP								
50WQ1.5QG(380V/60Hv)	1.5	2	3.6	35	24	21~13	4×0.75-8	270×300×610	36	550
80WQ2.2QG(380V/60Hv)	2.2	3	5.1	60	27	25~17	4×0.75-8	270×330×610	40	500
80WQ3QG(380V/60Hv)	3	4	6.7	65	30	29~18	4×1-8	270×330×630	42	480
80WQ4QG(380V/60Hv)	4	5.5	8.8	80	31	31~18	3×1.5+1×1-8	270×345×690	54	420
100WQ5.5QG(380V/60Hv)	5.5	7.5	11.7	110	35	33~20	3×1.5+1×1-8	270×345×750	61	385
100WQ7.5QG(380V/60Hv)	7.5	10	15.7	125	38	38~25	3×2.5+1×1.5-8	285×360×750	83	350

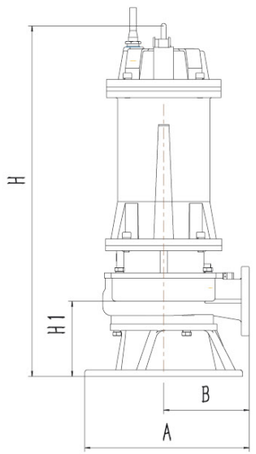


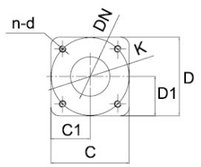


Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Casing	412-4	O-ring	822	Upper bearing housing
113	Oil chamber	433-1	Mechanical seal	834	Cable sheath
160	Oil chamber cover	433-2	Mechanical seal	932	Circlips for holes
230	Impeller	592	Base	940	Flat key
321-1	Deep groove ball bearing high temperature	593	Cutting disc		
321-2	Deep groove ball bearing	812	Enclosure		
412-1	O-ring	812	Top cover		
412-2	O-ring	814	Stator core with winding		
412-3	O-ring	818	Rotor		





Dimensions & Weight

Model	Dim.(mm)											N.W. (kg)
	H	H1	A	B	DN	K	C	C1	D	D1	n-d	
50WQ1.5QG(380V/60Hv)	537	115	250	130	50	106	105	52.5	105	52.5	4-M10	34
80WQ2.2QG(380V/60Hv)	532	109	280	160	65	124.5	125	62.5	125	62.5	4-M10	38
80WQ3QG(380V/60Hv)	552	109	280	160	65	124.5	125	62.5	125	62.5	4-M10	40
80WQ4QG(380V/60Hv)	617	128	300	180	65	124.5	125	62.5	125	62.5	4-M10	52
100WQ5.5QG(380V/60Hv)	651	118	300	180	80	163	163	81.5	163	81.5	4-M12	58
100WQ7.5QG(380V/60Hv)	675	131	312.5	190	100	163	163	81.5	163	81.5	4-M12	80

Submersible Pumps For Dirty Water

SEP

Performance Range

Max. Flow: 33m³/h
Max. Head: 10m

Application Limits

◎ Domestic/Apartment building/Hotel waste water system
◎ Residential groundwater drainage
◎ Garden, farmland water supply
◎ Other use for family water supply

Certificate

CE

Operation Condition

◎ Depth Max: 5m(16.5ft)
◎ Liquid temperature range: -40~40℃
◎ PH range：6.5-8.5

Product Usage

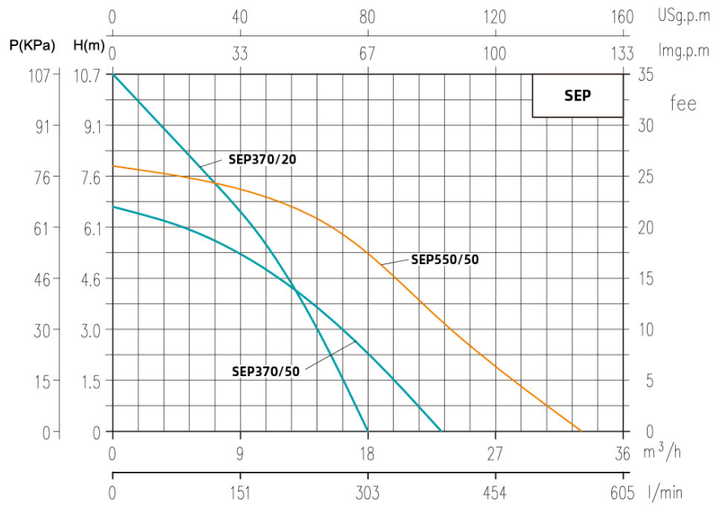
◎ PSC Oil-filled motor with thermal overload protection
◎ Insulation: Class B
◎ Protection: IP68
◎ 10′ power cord
◎ Automatic operation with float switch
◎ 2″ NPT Outlet
◎ Solids waste up to 2″

Model Instruction

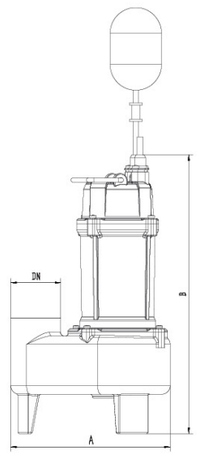
SEP 370

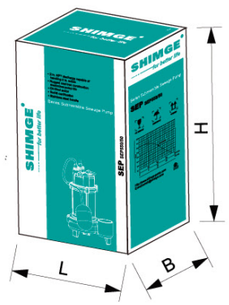
- 370 — One-Tenth Of Nomianal Motor Power(W)
- SEP — Model Code

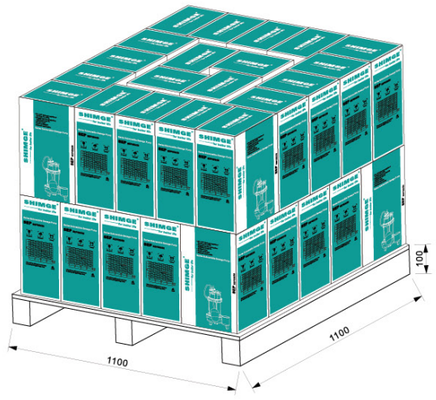
Performance Curve



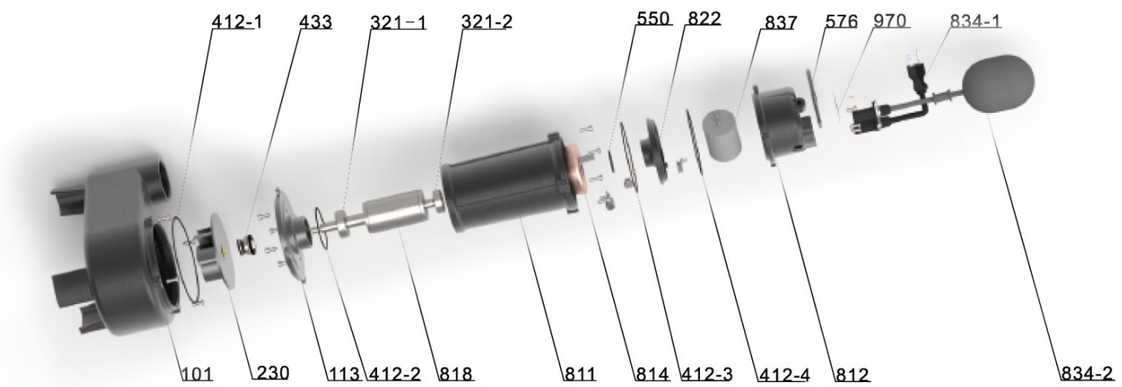
Model	Power		Rate Current (A)	Rotating speed	Max. Flow (m³/h)	Max. Head (m)	Discharge (NPT)	Cable line (m)	Dim.mm (L×B×H)	G.W. (kg)	20′ Loading Qty. (pcs)
	kW	HP									
SEP370/20	0.37	1/2	7.2	3450	18	10	2″	SJTW 18AWG×3-3	235x165x390	11.5	1800
SEP370/50	0.37	1/2	7.2	3450	23	6	2″	SJTW 18AWG×3-3	230x165x445	13	1600
SEP550/50	0.55	3/4	9.9	3450	33	8	2″	SJTW 16AWG×3-5	270x195x485	17	1040







Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-3	O-ring	814	Stator core with winding
113	Lower bearing block	412-4	O-ring	818	Rotor
230	Impeller	433	Mechanical seal	822	Upper bearing block
321-1	Deep groove ball bearing	550	Wave spring	834-1	Cable
321-2	Deep groove ball bearing	576	Handle	834-2	Floating ball
412-1	O-ring	811	Casing	837	Running capacitor
412-2	O-ring	812	Head cover	970	Nameplate

Submersible Pumps For Dirty Water

SSP

Performance Range

Max. Flow: 17m³/h
Max. Head: 9m

Application Limits

◎ Domestic/Apartment building/Hotel waste water system
◎ Residential groundwater drainage
◎ Garden, farmland water supply
◎ Other use for family water supply

Certificate

CE

Operation Condition

◎ Depth Max: 5m(16.5ft)
◎ Liquid temperature range: -40~40℃
◎ PH range: 6.5-8.5

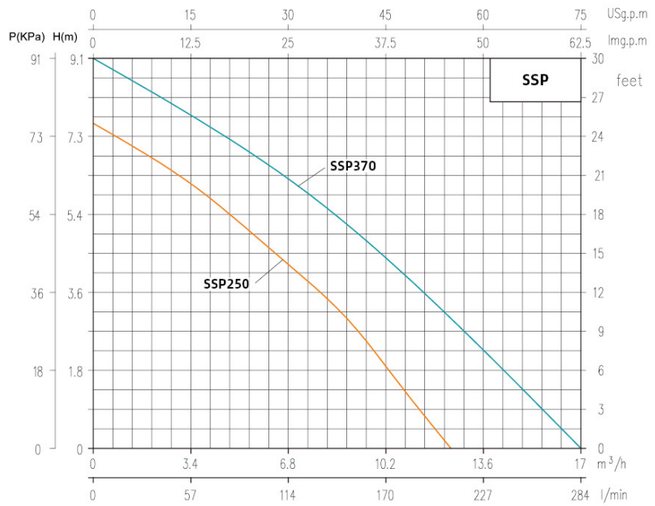
Product Usage

◎ PSC Oil-filled motor with thermal overload protection
◎ Insulation: Class B
◎ Protection: IP68
◎ 10′ power cord
◎ Automatic operation with float switch
◎ 1 1/2″ NPT Outlet
◎ Solids waste up to 2″

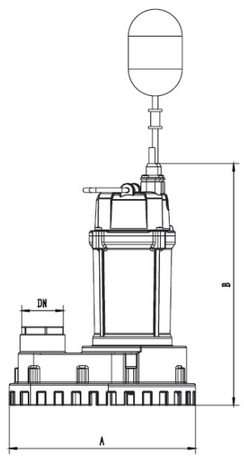
Model Instruction

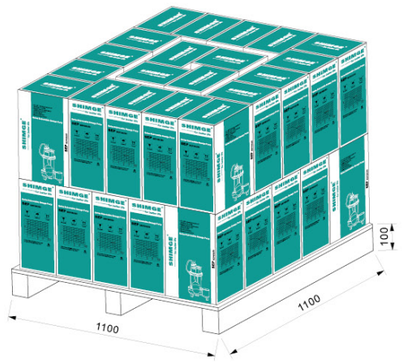
SSP 370
- 370 — One-Tenth Of Nomianal Motor Power(W)
- SSP — Model Code

Performance Curve

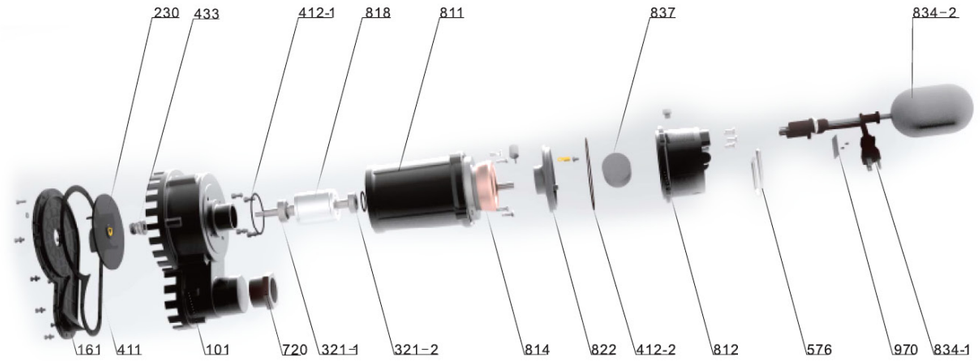


Model	Power		Rate Current (A)	Rotating speed	Max. Flow (m³/h)	Max. Head (m)	Discharge (NPT)	Cable line (m)	Dim.mm (LxBxH)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP									
SSP250	0.25	1/3	5.6	3450	12	7.5	1 1/2	SJTW 18AWG×3-3	260x180x340	10	1700
SSP370	0.37	1/2	7.2	3450	17	9	1 1/2	SJTW 18AWG×3-3	280x210x375	11	1200





Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-1	O-ring	814	Stator core with winding
160	Oil chamber	412-2	O-ring	818	Rotor
161	Bottom cover	433	Mechanical seal	822	Upper bearing block
230	Impeller	576	Handle	834-1	Cable
321-1	Deep groove ball bearing	720	Reducer	834-2	Floating ball
321-2	Deep groove ball bearing	811	Casing	837	Running capacitor
411	Seal gasket	812	Head cover	970	Nameplate

QB60L1/K1

QB60G1

QB

Performance Range

Max. Flow: 3.6m³/h
Max. Head: 60m

Application Limits

◎ Suction head up to 8m
◎ Liquid temperature up to +40℃
◎ Ambient temperature up to +40℃
◎ Max. Working pressure: 6bar
◎ Voltage fluctuation should not exceed 10% of rated value.
◎ pH: 6.5 to 8.5

Certificate

CE

Basic Configuration

◎ Pump body: cast iron, stainless steel
◎ Impellers: brass
◎ Shaft: 45 # Steel+304
◎ Mechanical sealing: ceramic / graphite / NBR rubber
◎ Motor: two asynchronous motors, copper coils, built-in thermal protection, all closed fan-cooled, continuous operation
◎ Protection: IP44
◎ Insulation class: F

Application Fields

◎ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
◎ Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

Optional Available On Request

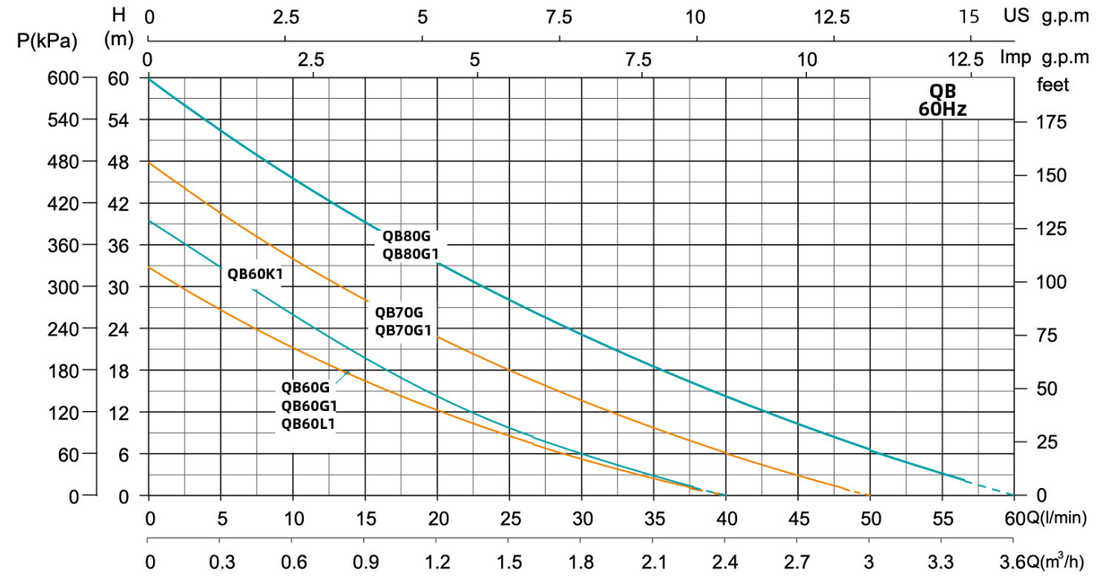
◎ Electrophoretic pump body and connections
◎ Stainless steel insert
◎ NSK bearing

Model Instruction

QB 60 G1 /L1/K1/G1

- QB — Peripheral Pumps
- 60 — Specification Code
- G1 — Product Code

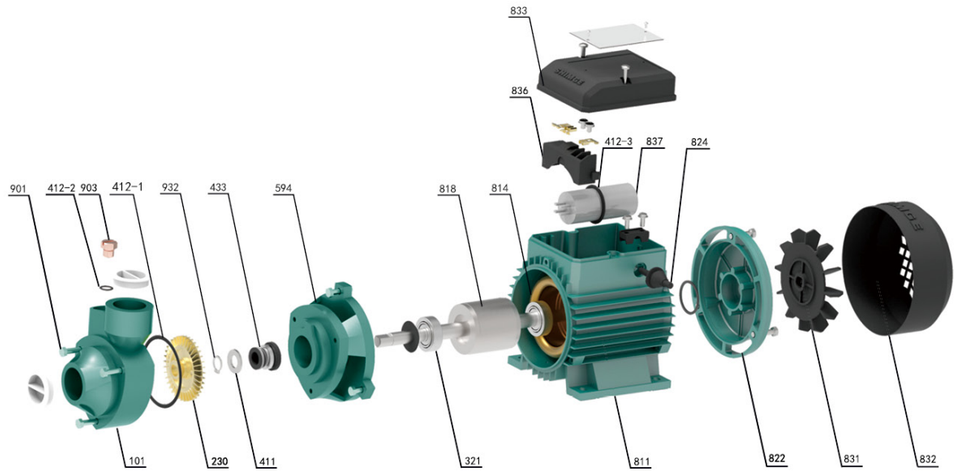
Performance Curve



Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
QB60G(60Hz)	0.37	0.5	2.4	33	1 ~ 27	8
QB60L1(60Hz)	0.37	0.5	2.4	33	1 ~ 27	8
QB60K1(60Hz)	0.37	0.5	2.4	40	1.5 ~ 30	8
QB70G(60Hz)	0.55	0.75	3	48	1.5 ~ 44	8
QB80G(60Hz)	0.75	1	3.6	60	2.5 ~ 53	8
QB60G1(115V/60Hz)	0.37	0.5	2.4	33	0 ~ 27	8
QB60G1(220V/60Hz)	0.37	0.5	2.4	33	0 ~ 27	8
QB60G1(115V/230V-60Hz)	0.37	0.5	2.4	33	0 ~ 27	8
QB70G1(115V/60Hz)	0.55	0.75	3	48	0 ~ 44	8
QB70G1(220V/60Hz)	0.55	0.75	3	48	0 ~ 44	8
QB70G1(115V/230V-60Hz)	0.55	0.75	3	48	0 ~ 44	8
QB80G1(115V/60Hz)	0.75	1	3.6	60	0 ~ 53	8
QB80G1(220V/60Hz)	0.75	1	3.6	60	0 ~ 53	8
QB80G1(115V/230V-60Hz)	0.75	1	3.6	60	0 ~ 53	8

NOTE: 0.3m short-term without plug

Components & Materials



No.	Part name	No.	Part name	No.	Part name
836	Terminal block	412-2	O-ring	321	Deep groove ball bearing
831	Fan\QB60	412-3	O-ring	833	Junction box
822	Rear end cover	411	Seal ring	824	Cable (domestic)
903	Vent cock	594	Connector	101	Pump body
901	Hexagon head bolt - full thread	814	Stator core with winding	811	Casing
230	Impeller	932	Circlip for shaft	818	Rotor
433	Mechanical seal	412-1	O-ring		
837	Running capacitor	832	Fan cover		

Components & Materials

Model	QB60G 110V-60Hz	QB60G 220V-60Hz	QB60G 110V/220V-60Hz	QB60L1 110V-60Hz	QB60L1 220V-60Hz	QB60L1 110V/220V-60Hz	QB60K1 110V-60Hz	QB60K1 220V-60Hz
Capacitor	20μF/250V	8μF/450V	15μF/250V	25μF/250V	8μF/450V	20μF/250V	25μF/250V	10μF/450V
End cap Bearing	6201-2RZ							
Connection Part Bearing	6201-2RZ							
Motor Shaft	Steel 45#+304							
Mechanical Seal	103-12/20.5 B:A（PC）Stator Ring Φ26							
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)							
Motor Case	Aluminum							
Coupling	CastIron							
Pump Body	CastIron							
Impeller	Brass							

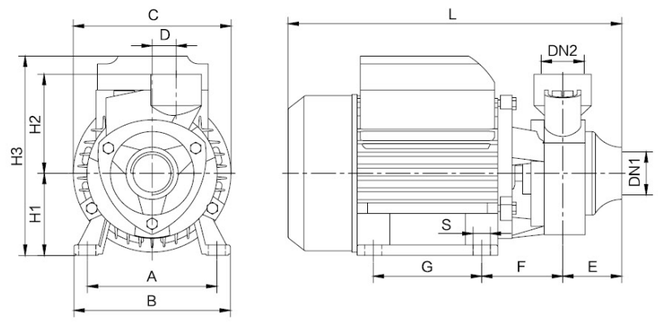
Model	QB60K1 110V/220V-60Hz	QB70G 110V-60Hz	QB70G 220V-60Hz	QB80G 110V-60Hz	QB80G 220V-60Hz	QB80G 110V/220V-60Hz
Capacitor	20μF/250V	30μF/250V	15μF/450V	40μF/250V	20μF/450V	30μF/250V
End cap Bearing	6201-2RZ	6202-2RZ				
Connection Part Bearing	6201-2RZ	6202-2RZ				
Motor Shaft	Steel 45#+304					
Mechanical Seal	103-12/20.5 B:A（PC）Stator Ring Φ26	301-12/21 B:A（PC）Stator Ring Φ26				
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)					
Motor Case	Aluminum					
Coupling	CastIron					
Pump Body	CastIron					
Impeller	Brass					

Model	QB60G1 115V-60Hz	QB60G1 220V-60Hz	QB60G1 115V/220V-60Hz
Capacitor	20μF/250V	8μF/450V	15μF/250V
End cap Bearing	6201-2RZ		
Connection Part Bearing	6201-2RZ		
Motor Shaft	Steel 45#+304		
Mechanical Seal	103-12/20.5 B:A（PC）Stator Ring Φ26		
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)		
Motor Case	Aluminum		
Coupling	CastIron		
Pump Body	CastIron		
Impeller	Brass		

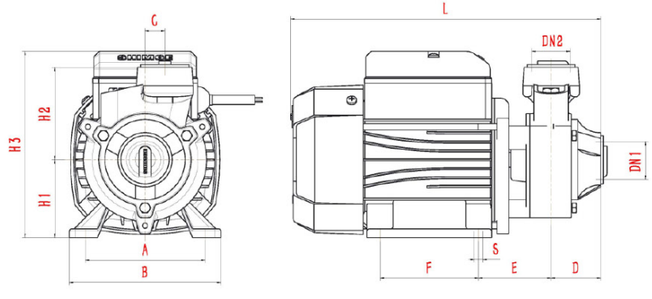
Model	QB70G1 110V-60Hz	QB70G1 220V-60Hz	QB80G1 110V-60Hz	QB80G1 220V-60Hz	QB80G1 110V/220V-60Hz
Capacitor	30μF/250V	15μF/450V	40μF/250V	20μF/450V	30μF/250V
End cap Bearing	6202-2RZ				
Connection Part Bearing	6202-2RZ				
Motor Shaft	Steel 45#+304				
Mechanical Seal	301-12/21 B:A（PC）Stator Ring Φ26				
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)				
Motor Case	Aluminum				
Coupling	CastIron				
Pump Body	CastIron				
Impeller	Brass				

Dimensions & Weight

Model	DN1	DN2	Dim.(mm)											
	Inch		A	B	C	D	E	F	G	L	S	H1	H2	H3
QB60G(110V-60Hz)	1	1	100	120	121	16	45	64	80	258	7	63	75	152
QB60G(220V-60Hz)	1	1	100	120	121	16	45	64	80	258	7	63	75	152
QB60G(110V/220V-60Hz)	1	1	100	120	121	16	45	64	80	258	7	63	75	162
QB60L1(110V-60Hz)	1	1	93	115	115	15	35.5	63	58	222	7	60	68	148
QB60L1(220V-60Hz)	1	1	93	115	115	15	35.5	63	58	222	7	60	68	148
QB60K1(110V-60Hz)	1	1	93	115	115	15	35.5	63	58	222	7	60	68	148
QB60K1(220V-60Hz)	1	1	93	115	115	15	35.5	63	58	222	7	60	68	148
QB60K1(110V/220V-60Hz)	1	1	93	115	115	15	35.5	64.5	67	232	7	60	68	157
QB70G(110V-60Hz)	1	1	112	137	137	18	49.5	78.5	88	294	7	72	85	181
QB70G(220V-60Hz)	1	1	112	137	137	18	49.5	78.5	88	294	7	72	85	181
QB80G(110V-60Hz)	1	1	112	137	137	18	49.5	78.5	88	294	7	72	85	181
QB80G(220V-60Hz)	1	1	112	137	137	18	49.5	78.5	88	294	7	72	85	181
QB80G(110V/220V-60Hz)	1	1	112	137	137	18	49.5	78.5	88	294	7	72	85	181

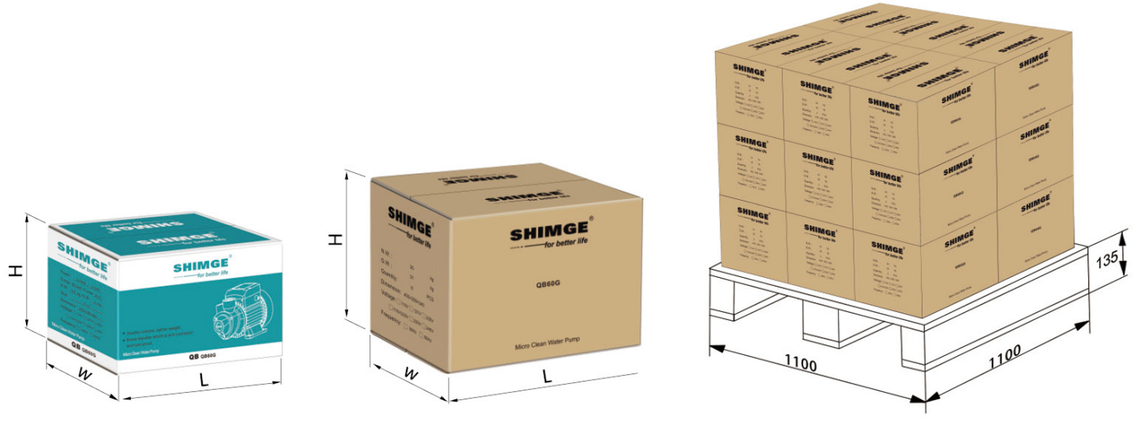


Model	DN1	DN2	Dim.(mm)											N.W. (kg)
	Inch		A	B	C	D	E	F	S	L	H1	H2	H3	
QB60G1(115V/60Hz)	1	1	100	123	16	40.5	59	80	7	252	63	75	151	4.6
QB60G1(220V/60Hz)	1	1	100	123	16	40.5	59	80	7	252	63	75	151	4.6
QB60G1(115V/230V-60Hz)	1	1	100	123	16	40.5	59	80	7	252	63	75	151	4.6
QB70G1(115V/60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	7.8
QB70G1(220V/60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	7.8
QB70G1(115V/230V-60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	7.8
QB80G1(115V/60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	9.4
QB80G1(220V/60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	9.4
QB80G1(115V/230V-60Hz)	1	1	112	136	18	48	56.5	88	7	277	72	85	181	9.4



Packing Size & Weight

Model	Dim.(L×W×H) mm	G.W. (kg)	Dim. For Outer Packing(L×W×H)mm	G.W. (kg)	Packing Qty. (pcs)	20'Loading Qty. (pcs)
QB60G(60Hz)	280×140×170	5	440×290×360	31	6	3660
QB60L1(60Hz)	235×135×175	4.3	430×250×380	26.6	6	4302
QB60K1(60Hz)	235×135×175	4.7	425×245×375	29	6	4302
QB70G(60Hz)	335×190×210	8.5	315×190×202	8.5	1	2076
QB80G(60Hz)	345×190×210	10	315×190×202	10	1	2064
QB60G1(115V/60Hz)	280×155×190	4.8	440×290×360	29.6	6	3780
QB60G1(220V/60Hz)	280×155×190	4.8	440×290×360	29.6	6	3780
QB60G1(115V/230V-60Hz)	280×155×190	4.8	440×290×360	29.6	6	3780
QB70G1(115V/60Hz)	315×190×210	8.3	315×190×202	/	1	2376
QB70G1(220V/60Hz)	315×190×210	8.3	315×190×202	/	1	2376
QB70G1(115V/230V-60Hz)	315×190×210	8.3	315×190×202	/	1	2376
QB80G1(115V/60Hz)	315×190×210	9.9	315×190×202	/	1	2376
QB80G1(220V/60Hz)	315×190×210	9.9	315×190×202	/	1	2376
QB80G1(115V/230V-60Hz)	315×190×210	9.9	315×190×202	/	1	2376



WZB-A

Performance Range

Max. Flow: 3.9m³/h
Max. Head: 50m

Application Limits

◎ Maximum water absorption height 8m
◎ The maximum medium temperature does not exceed +60 ° C
◎ The maximum ambient temperature does not exceed +40 ° C
◎ Maximum working pressure: 6bar
◎ The voltage fluctuation value does not exceed 10% of the rated value.

Certificate

CE

Basic Configuration

◎ pump body: cast iron, stainless steel inserts
◎ impeller: brass
◎ Axis: 45#
◎ Motor: 2-stage asynchronous motor, copper coil, fully closed fan cooling, continuous operation
◎ Protection level: IPX4
◎ Insulation class: F

Application Fields

◎ The electric pump is small in size, light in weight, compact in structure and simple in installation. It is an ideal household electric pump with high efficiency, energy saving, hygiene and safety. It is widely used in farmland irrigation, sprinkler irrigation, garden sprinkler irrigation, vegetable greenhouse water supply and culture. It is used for water supply and drainage, water for wells, and household water for pressurized water.

Optional Available On Request

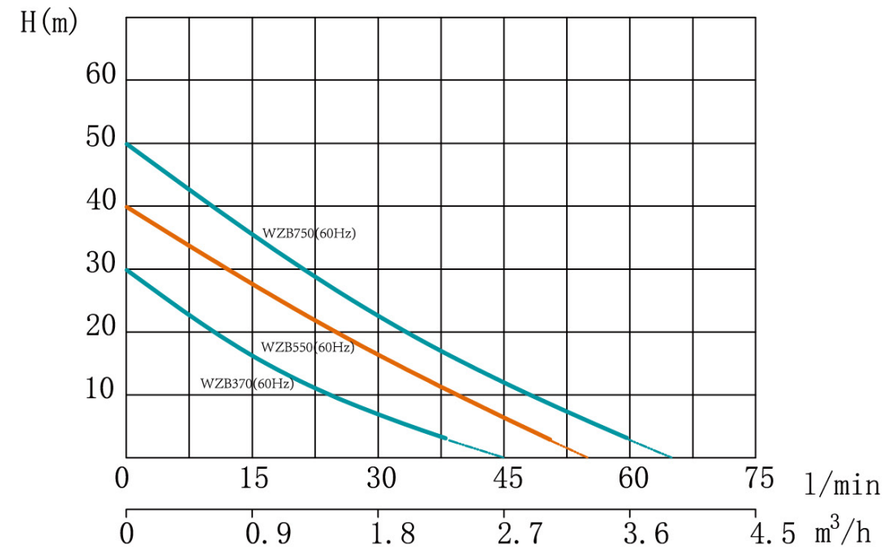
◎ NSK bearing

Model Instruction

WZB 370 (115V/60Hz)

- (115V/60Hz) — Voltage Code
- 370 — Rated power
- WZB — Self-priming Peripheral Pumps

Performance Curve

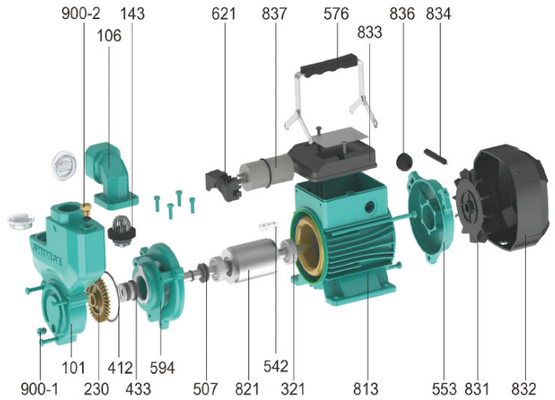


Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
WZB370(60Hz)	0.37	0.5	2.7	30	0 ~ 27	8
WZB550(60Hz)	0.55	0.75	3.3	40	0 ~ 37	8
WZB750(60Hz)	0.75	1	3.9	50	0 ~ 47	8

Components & Materials

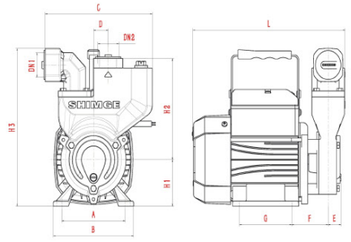
Model	WZB370(115V/60Hz)	WZB370(220V/60Hz)	WZB550(115V/60Hz)	WZB750(115V/60Hz)
Capacitor	AC20μF\250V	AC12μF\450V	AC40μF\250V	AC40μF\250V
End cap Bearing	6201-2RZ		6202-2RZ	
Connection Part Bearing	6201-2RZ		6202-2RZ	
Motor Shaft	Steel 45#+304			
Mechanical Seal	108-12/21 B:A (PC) Stator Ring ϕ26 A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)			
Motor Case	Aluminum			
Coupling	Cast Iron			
Pump Body	Cast Iron			
Impeller	Brass			

Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	542	Cable pressure plate	832	Fan housing
106	Water inlet Festival	553	End cap	833	Junction box
143	Strainer	576	Handle	834	Cable
230	Impeller	594	Coupling	836	Cable sheath
321	Bearing	621	Wire holder	837	Capacitor
412	O-ring	813	Stator	900-1	Vent cock
433	Mechanical seal	821	Rotor	900-2	Vent cock
507	Washer	831	Fan		

Dimensions & Weight



Model	DN1	DN2	Dim.(mm)										
	Inch		A	B	C	D	E	F	G	L	H1	H2	H3
WZB370(60Hz)	1	1	100	123	164	22.5	19	56	80	235	63	137	216
WZB550(60Hz)	1	1	112	136	164	22.5	22	54	88	253	72	148	233.5
WZB750(60Hz)	1	1	112	136	164	22.5	22	54	88	253	72	148	233.5

Packing Size & Weight

Model	Dim.(L×W×H) mm	G.W. (kg)	Dim. For Outer Packing(L×W×H)mm	G.W. (kg)	Packing Qty. (pcs)	20'Loading Qty. (pcs)
WZB370(60Hz)	235×123×216	7.3	/	/	1	5225
WZB550(60Hz)	253×136×235.5	9.7	/	/	1	3910
WZB750(60Hz)	254×136×235.5	10.7	/	/	1	3910

PW

PW-Z

PW-F

PW

Application Limits

◎ Suction lift up to 8 m
◎ Max. working pressure 5 bar
◎ Liquid temperature up to +90℃
◎ Ambient temperature up to +40℃
◎ Voltage fluctuations should not exceed 10% of rate value

Certificate

CE

Application Limits

◎ Suitable for use with clean water that does not contain abrasive particles or other similar water of liquid.
◎ widely used domestic water , automatic boosting , water tower supply, well water lifting, solar hot water boosting.

Motor

◎ Single phase motor, copper wires, built-in thermal protector, fully enclosed motor shell
◎ Continuous service S1
◎ IPX4 class protection
◎ Insulation class: F

Application Fields

◎ Compact design, easy installation
◎ Pressure and flow switch control automatically
◎ Pump body insert of stainless sheet 304
◎ Shaft extension is stainless steel 304
◎ The impeller of copper alloy
◎ High quality mechanical seal

Optional Available On Request

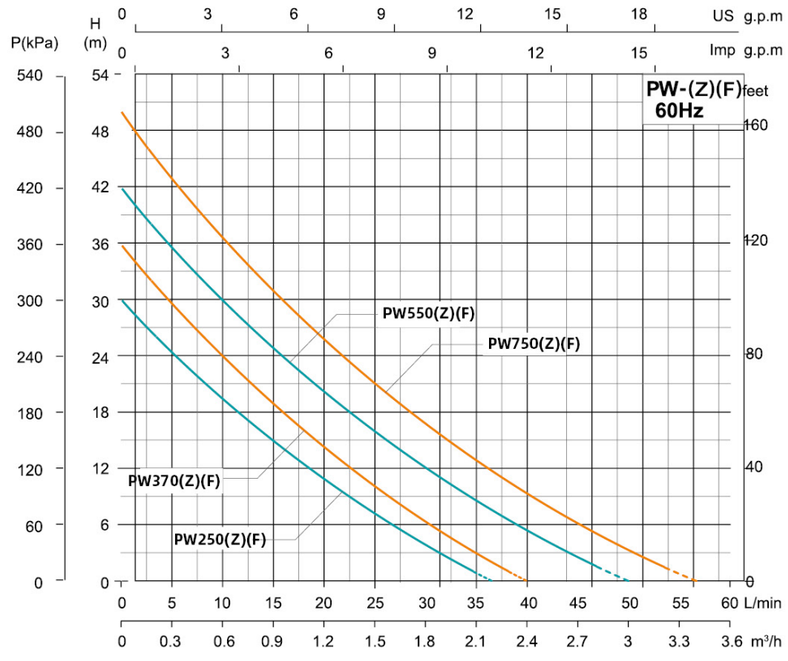
◎ NSK bearing

Model Instruction

PW 370 (F)

- (F) — Intelligent (no "B" for general)
- 370 — Model code
- PW — Automatical Self-priming vortex Pump

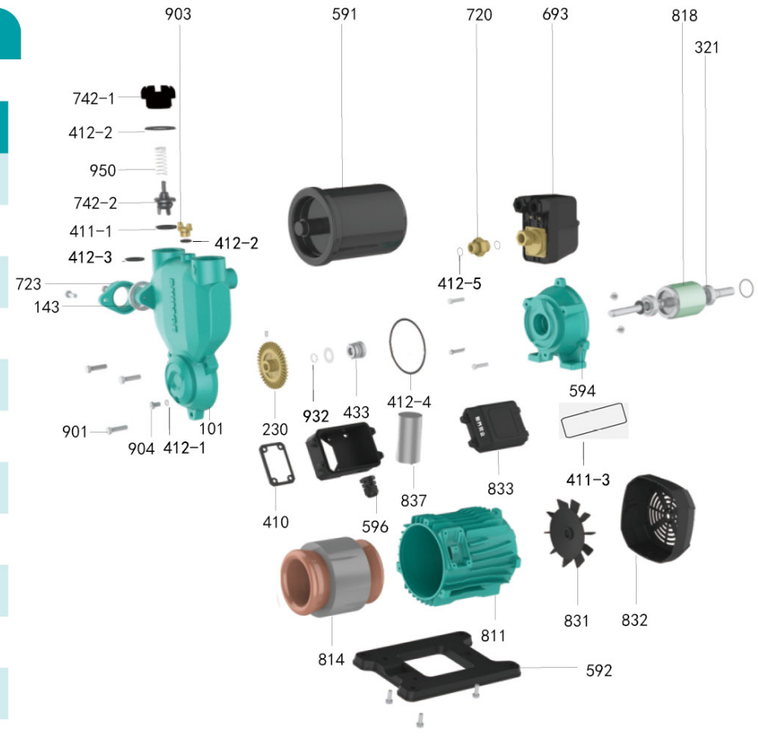
Performance Curve



Model	Power		Max. Flow (m^3/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
PW250(220V/60HZ)	0.25	0.34	2.2	30	1-26	8
PW370(220V/60HZ)	0.37	0.5	2.4	36	1-32	8
PW550(220V/60HZ)	0.55	0.75	3	42	1.5-38	8
PW750(220V/60HZ)	0.75	1	3.4	50	1.5-46	8
PW250Z(220V-60Hz)	0.25	0.34	2.2	30	1-26	8
PW370Z(220V-60Hz)	0.37	0.5	2.4	36	1-32	8
PW550Z(220V-60Hz)	0.55	0.75	3.0	42	1.5-38	8
PW750Z(220V-60Hz)	0.75	1	3.4	50	1.5-46	8
PW250Z(110V-60Hz)	0.25	0.34	2.2	30	1-26	8
PW370Z(110V-60Hz)	0.37	0.5	2.4	36	1-32	8
PW550Z(110V-60Hz)	0.55	0.75	3.0	42	1.5-38	8
PW750Z(110V-60Hz)	0.75	1	3.4	50	1.5-46	8
PW250Z(110V/220V-60Hz)	0.25	0.34	2.2	30	1-26	8
PW370Z(110V/220V-60Hz)	0.37	0.5	2.4	36	1-32	8
PW550Z(110V/220V-60Hz)	0.55	0.75	3.0	42	1.5-38	8
PW750Z(110V/220V-60Hz)	0.75	1	3.4	50	1.5-46	8
PW250F(110V/60HZ)	0.25	0.34	2.2	30	1-26	8
PW250F(220V/60HZ)	0.25	0.34	2.2	30	1-26	8
PW370F(110V/60HZ)	0.37	0.5	2.4	36	1-32	8
PW370F(220V/60HZ)	0.37	0.5	2.4	36	1-32	8
PW370F(110V/220V-60HZ)	0.37	0.5	2.4	36	1-32	8
PW550F(110V/60HZ)	0.55	0.75	3	42	1.5-38	8
PW550F(220V/60HZ)	0.55	0.75	3	42	1.5-38	8
PW750F(110V/60HZ)	0.75	1	3.4	50	1.5-46	8
PW750F(220V/60HZ)	0.75	1	3.4	50	1.5-46	8

Components & Materials

No.	Part name
752	Check valve seat
143	Filter assembly
594	Connector body
230	Impeller
592	Base
903	Vent cock
950	Spring
932	Circlip for shaft
814	Stator core with winding
693	Pressure switch assembly
831	Fan

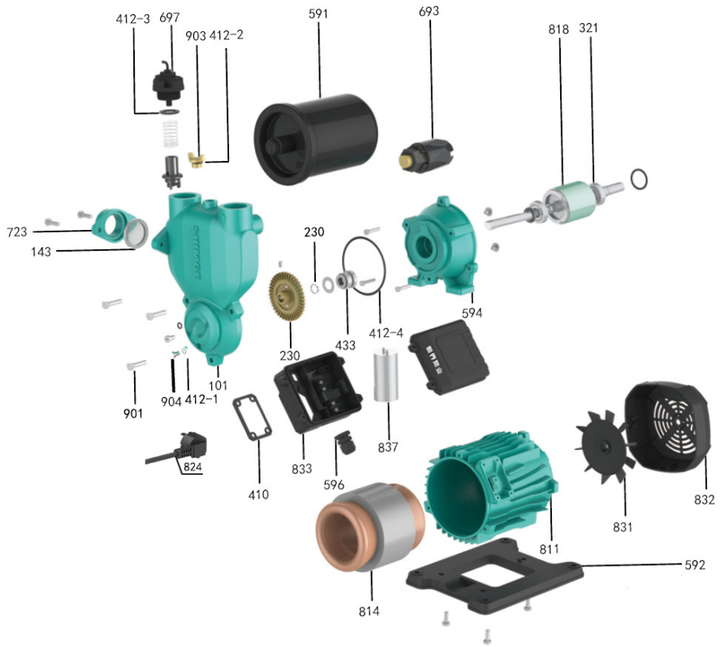


No.	Part name	No.	Part name	No.	Part name
723	Inlet pipe	433	Mechanical seal	411-1	Rubber washer
591	Pressure tank	720	Adapter	412-5	O-ring
811	Casing	410	Rubber gasket	412-3	O-ring
596	Cable lock	832	Fan cover	412-1	O-ring
101	Pump body	837	Running capacitor	412-4	O-ring
904	Slotted cheese head screw	411-2	Rubber washer	901	Hexagon head bolt
321	Deep groove ball bearing	411-3	Rubber washer		
833	Junction box assembly	412-2	O-ring		

Model	PW250 (220V-60Hz)	PW370 (220V-60Hz)	PW550 (220V-60Hz)	PW750 (220V-60Hz)
Capacitor	10μF/450V	12μF/450V	15μF/450V	20μF/450V
End cap Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Connection Part Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Motor Shaft	Steel 45#+304			
Mechanical Seal	108-12 S:A（RC）			
	A: Graphite,B:Alumina ceramic,P:NBR,C:stainless steel(06Cr19Ni10)			
Motor Case	Aluminum			
Coupling	Cast Iron			
Pump Body	Cast Iron			
Impeller	Brass			

Components & Materials

No.	Specifications
412-2	O-ring
412-3	O-ring
412-1	O-ring
412-4	O-ring
101	Pump body
592	Base
596	Cable lock
824	Cable (domestic)
903	Vent cock
831	Fan\QB60
832	Fan cover
143	Filter assembly
811	Casing
433	Mechanical seal
723	Inlet pipe
904	Slotted cheese head screw
833	Control box assembly
594	Connector body
697	Flow switch
321	Deep groove ball bearing
410	Rubber gasket
411	Rubber washer
591	Pressure tank
693	Pressure switch
230	Impeller
814	Stator core with winding
837	Running capacitor
932	Circlip for shaft
818	Rotor
901	Hexagon head bolt

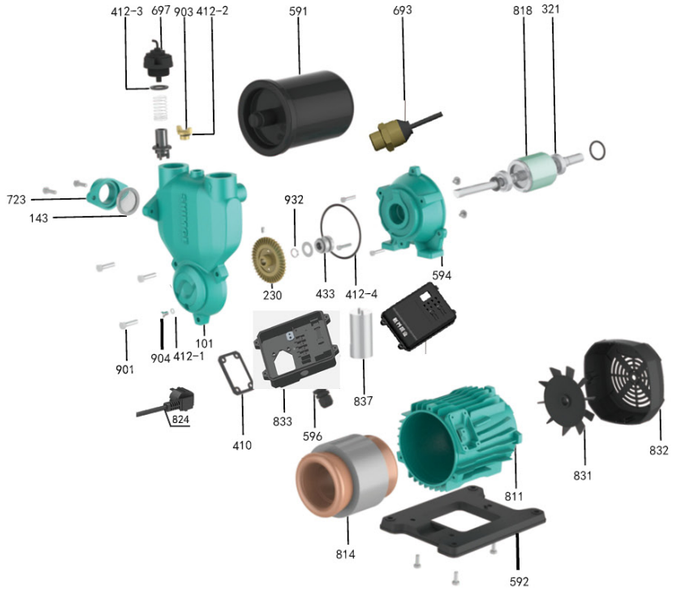


Model	PW250Z (110V-60Hz)	PW370Z (110V-60Hz)	PW550Z (110V-60Hz)	PW750Z (110V-60Hz)	PW250Z (220V-60Hz)	PW370Z (220V-60Hz)
Capacitor	25μF/250V	20μF/250V	30μF/250V	40μF/250V	10μF/450V	12μF/450V
End cap Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ
Connection Part Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ
Motor Shaft	Steel 45#+304					
Mechanical Seal	108-12 S:A（RC）					
	A: Graphite,B:Alumina ceramic,P:NBR,C:stainless steel(06Cr19Ni10)					
Motor Case	Aluminum					
Coupling	CastIron					
Pump Body	CastIron					
Impeller	Brass					

Model	PW550Z (220V-60Hz)	PW750Z (220V-60Hz)	PW250Z (110V/220V-60Hz)	PW370Z (110V/220V-60Hz)	PW550Z (110V/220V-60Hz)	PW750Z (110V/220V-60Hz)
Capacitor	15μF/450V	20μF/450V	15μF/250V	15μF/250V	35μF/250V	40μF/250V
End cap Bearing	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Connection Part Bearing	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
Motor Shaft	Steel 45#+304					
Mechanical Seal	108-12 S:A（RC）					
	A: Graphite,B:Alumina ceramic,P:NBR,C:stainless steel(06Cr19Ni10)					
Motor Case	Aluminum					
Coupling	CastIron					
Pump Body	CastIron					
Impeller	Brass					

Components & Materials

No.	Specifications
412-2	O-ring
412-1	O-ring
412-3	O-ring
412-4	O-ring
832	Fan cover
143	Filter assembly
831	Fan\QB60
818	Rotor
811	Casing
693	Pressure sensor
596	Cable lock
594	Connector body
591	Pressure tank
932	Circlip for shaft
433	Mechanical seal
903-2	Vent cock
837	Running capacitor
833	Control box assembly
824	Cable (domestic)
723	Inlet pipe
101	Pump body
903-1	Slotted cheese head screw
814	Stator core with winding
697	Flow switch
592	Base
411	Rubber washer
410	Rubber gasket
321	Deep groove ball bearing
230	Impeller
901	Hexagon head bolt

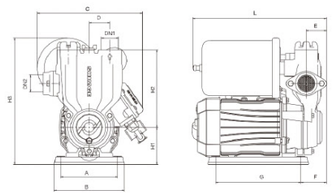


Model	PW250F (110V-60Hz)	PW370F (110V-60Hz)	PW550F (110V-60Hz)	PW750F (110V-60Hz)	PW250F(220V-60Hz)	PW370F (220V-60Hz)
Capacitor	25μF/250V	20μF/250V	30μF/250V	40μF/250V	10μF/450V	12μF/450V
End cap Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ
Connection Part Bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ
Motor Shaft	Steel 45#+304					
Mechanical Seal	108-12 S:A（RC）					
	A: Graphite,B:Alumina ceramic,P:NBR,C:stainless steel(06Cr19Ni10)					
Motor Case	Aluminum					
Coupling	CastIron					
Pump Body	CastIron					
Impeller	Brass					

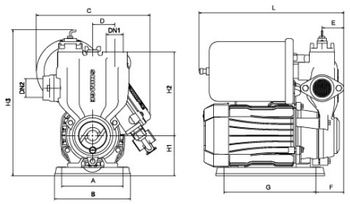
Model	PW550F (220V-60Hz)	PW750F (220V-60Hz)	PW370Z (110V/220V-60Hz)
Capacitor	15μF/450V	20μF/450V	15μF/250V
End cap Bearing	6202-2RZ	6202-2RZ	6201-2RZ
Connection Part Bearing	6202-2RZ	6202-2RZ	6201-2RZ
Motor Shaft	Steel 45#+304		
Mechanical Seal	108-12 S:A（RC）		
	A: Graphite,B:Alumina ceramic,P:NBR,C:stainless steel(06Cr19Ni10)		
Motor Case	Aluminum		
Coupling	CastIron		
Pump Body	CastIron		
Impeller	Brass		

Dimensions & Weight

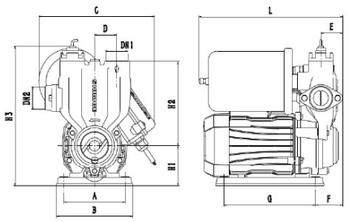
Model	DN1	DN2	Dim.(mm)											N.W. (kg)
	Inch		A	B	C	D	E	F	G	L	H1	H2	H3	
PW250(220V/60HZ)	1	1	110	136	204	40	39	49.5	165	259	72	150	245.5	8.5
PW370(220V/60HZ)	1	1	110	136	204	40	39	49.5	165	259	72	150	245.5	8.8
PW550(220V/60HZ)	1	1	132	160	212	50	39	41.5	190	268	84	170	285	11.4
PW750(220V/60HZ)	1	1	132	160	212	50	39	41.5	190	268	84	170	285	13.1

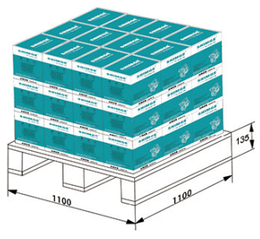


Model	DN1	DN2	Dim.(mm)											N.W. (kg)
	Inch		A	B	C	D	E	F	G	L	H1	H2	H3	
PW250Z(60Hz)	1	1	110	136	204	40	39	49.5	165	259	72	150	245.5	8.5
PW370Z(60Hz)	1	1	110	136	204	40	39	49.5	165	259	72	150	245.5	8.8
PW550Z(60Hz)	1	1	132	160	212	50	39	41.5	190	268	84	170	285	11.4
PW750Z(60Hz)	1	1	132	160	212	50	39	41.5	190	268	84	170	285	13.1



Model	DN1	DN2	Dim.(mm)											N.W. (kg)
	Inch		A	B	C	D	E	F	G	L	H1	H2	H3	
PW250F(110V/60HZ)	1	1	110	136	210	40	39	49.5	165	259	72	150	261	8.5
PW250F(220V/60HZ)	1	1	110	136	210	40	39	49.5	165	259	72	150	261	8.5
PW370F(110V/60HZ)	1	1	110	136	210	40	39	49.5	165	259	72	150	261	8.8
PW370F(220V/60HZ)	1	1	110	136	210	40	39	49.5	165	259	72	150	261	8.8
PW370F(110V/220V-60HZ)	1	1	110	136	214	40	39	49.5	165	259	72	150	261	8.8
PW550F(110V/60HZ)	1	1	132	160	222	50	39	41.5	190	268	84	170	293	11.4
PW550F(220V/60HZ)	1	1	132	160	218	50	39	41.5	190	268	84	170	293	11.4
PW750F(110V/60HZ)	1	1	132	160	222	50	39	41.5	190	268	84	170	293	13.1
PW750F(220V/60HZ)	1	1	132	160	218	50	39	41.5	190	268	84	170	293	13.1





Packing Size & Weight

Model	Dim.(L×W×H) mm	G.W. (kg)	20'Loading Qty. (pcs)
PW25(Z)(220V/60HZ)	295×230×305	9.0	1600
PW370(Z)(220V/60HZ)	295×230×305	9.3	1600
PW550(Z)(220V/60HZ)	315×245×325	12.1	1320
PW750(Z)(220V/60HZ)	315×245×325	13.8	1320

Model	Dim.(L×W×H) mm	G.W. (kg)	20'Loading Qty. (pcs)
PW250F(110V/60HZ)	295×230×305	9	1600
PW250F(220V/60HZ)	295×230×305	9	1600
PW370F(110V/60HZ)	295×230×305	9.3	1600
PW370F(220V/60HZ)	295×230×305	9.3	1600
PW370F(110V/220V-60HZ)	295×230×305	9.3	1600
PW550F(110V/60HZ)	315×245×325	12.1	1320
PW550F(220V/60HZ)	315×245×325	12.1	1320
PW750F(110V/60HZ)	315×245×325	13.8	1320
PW750F(220V/60HZ)	315×245×325	13.8	1320

CPm

Performance Range

Max. Flow: 8.4m³/h
Max. Head: 54m

Certificate

CE

Application Limits

◎ Suction head up to 7m
◎ Liquid temperature up to +40℃
◎ Ambient temperature up to +40℃
◎ Max. Working pressure: 6bar
◎ Voltage fluctuation should not exceed 10% of rated value.
◎ pH: 6.5 to 8.5

Basic Configuration

◎ Pump body: cast iron
◎ Impellers: Brass/Plastics PPO/304
◎ Shaft: 45 # Steel+304
◎ Mechanical sealing: ceramic / graphite / NBR rubber
◎ Motor: two asynchronous motors, copper coils, built-in thermal protection, all closed fan-cooled, continuous operation
◎ Protection: IP44
◎ Insulation class: F

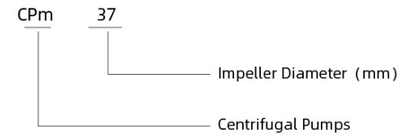
Application Fields

◎ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
◎ Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

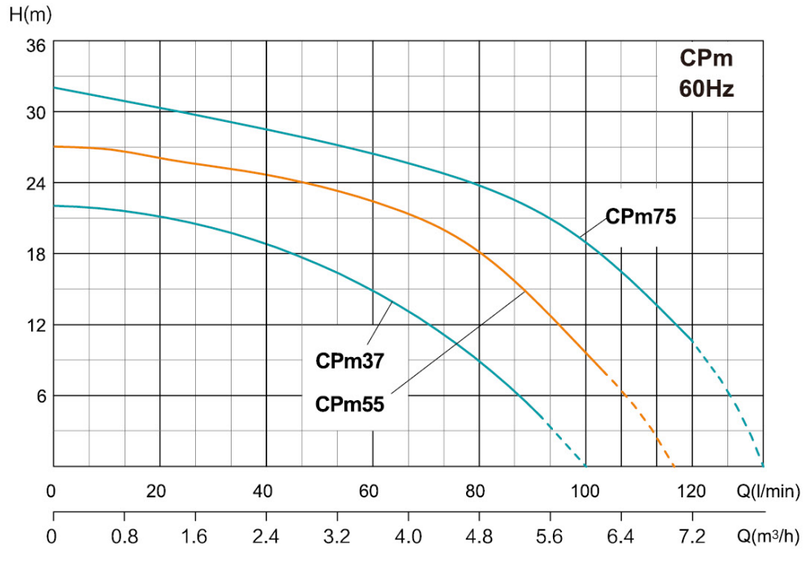
Optional Available On Request

◎ Electrophoretic pump body and connections
◎ NSK bearing

Model Instruction



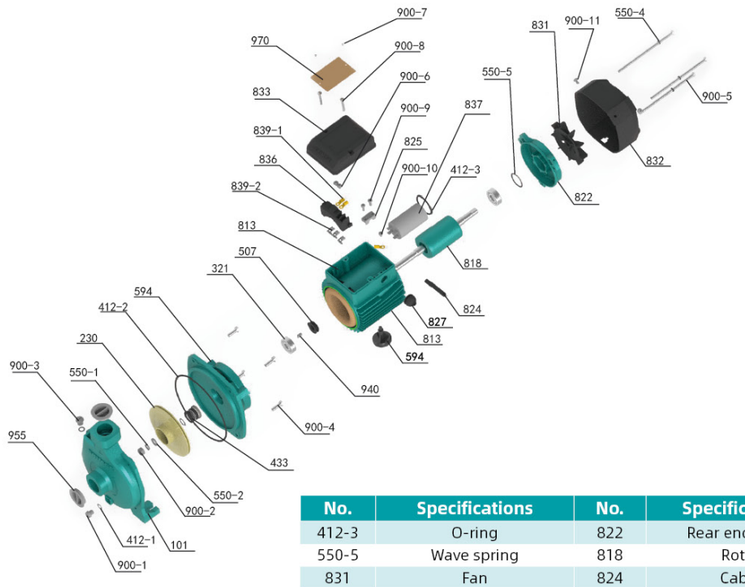
Performance Curve



Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
CPm37(115V/60Hz)	0.37	0.5	6	22	8~22	7
CPm37(220V/60Hz)	0.37	0.5	6	22	8~22	7
CPm37(115-230V/60Hz)	0.37	0.5	6	22	8~22	7
CPm55(115V/60Hz)	0.55	0.75	7	26	11~26	7
CPm55(220V/60Hz)	0.55	0.75	7	26	11~26	7
CPm55(115-230V/60Hz)	0.55	0.75	7	26	11~26	7
CPm75(115V/60Hz)	0.75	1	8	32	14~32	7
CPm75(220V/60Hz)	0.75	1	8	32	14~32	7
CPm75(115-230V/60Hz)	0.75	1	8	32	14~32	7

NOTE: 0.3m short-term without plug

Components & Materials



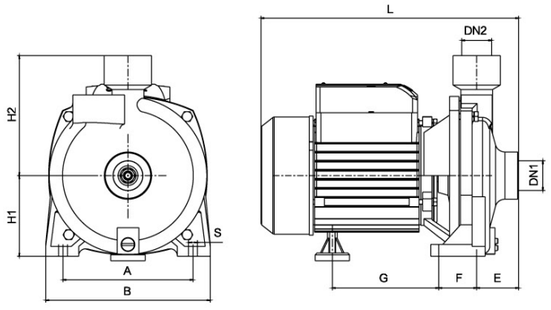
No.	Specifications
955	Dust cover
900-3	Vent cock
550-1	Spring washer
220	Impeller
412-2	O-ring
594	Connector
321	Deep groove ball bearing
507	Water retaining ring
813	Stator
900-1	Slotted cheese head screw
839-2	Insert spring 6.3
836	Terminal block
839-1	Closed wiring terminal
833	Junction box
970	Nameplate
900-7	Rivet
900-8	Hexagon cross recessed pan head screw
900-6	Cross recessed flange screw
900-9	Hexagon cross recessed pan head screw
825	Cable pressing plate
900-10	Hexagon cross recessed pan head screw
837	Running capacitor

No.	Specifications	No.	Specifications	No.	Specifications
412-3	O-ring	822	Rear end cover	900-4	Hexagon head bolt
550-5	Wave spring	818	Rotor	433	Mechanical seal
831	Fan	824	Cable	550-2	Flat washer
900-11	Cross recessed flange screw	827	Cable sheath	900-2	Type I hexagon nut
550-4	Spring washer	813	Stator	101	Pump body
900-5	Hexagon bolt	594	Foot	412-1	O-ring
832	Fan cover	940	Flat key		

Model	CPm75 (115V/60Hz)	CPm75 (220V/60Hz)	CPm75 (115-230V/60Hz)	CPm55 (220V/60Hz)	CPm55 (115-230V/60Hz)	CPm55 (115V/60Hz)	CPm37 (220V/60Hz)	CPm37 (115-230V/60Hz)	CPm37 (115V/60Hz)
Capacitor	AC50μF\250V	AC25μF\450V	AC50μF\450V	AC40μF\450V	AC35μF\450V	AC15μF\250V	AC30μF\450V	AC30μF\450V	AC12μF\250V
End cap Bearing	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ	6201-2RZ
Connection Part Bearing	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ	6201-2RZ
Motor Shaft	Steel 45#+304								
Mechanical Seal	108-14/25&S:A(PC) Stator Ring Φ28						108-12/21&S:A(PC) Stator Ring Φ26		
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)								
Motor Case	Aluminum								
Coupling	Cast Iron								
Pump Body	Cast Iron								
Impeller	Brass/Plastics PPO/304								

Dimensions & Weight

Model	DN1	DN2	Dim.(mm)								
	Inch		A	B	E	F	G	L	S	H1	H2
CPm37(115V/60Hz)	1	1	120	148.5	44	32	110	266.5	9	86	123
CPm37(220V/60Hz)	1	1	120	148.5	44	32	110	266.5	9	86	123
CPm37(115-230V/60Hz)	1	1	120	148.5	44	32	110	266.5	9	86	123
CPm55(115V/60Hz)	1	1	120	148.5	44	32	119	289.5	9	86	123
CPm55(220V/60Hz)	1	1	120	148.5	44	32	119	289.5	9	86	123
CPm55(115-230V/60Hz)	1	1	120	148.5	44	32	119	289.5	9	86	123
CPm75(115V/60Hz)	1	1	131	159	49	37	112	294.5	10	92	131.5
CPm75(220V/60Hz)	1	1	131	159	49	37	112	294.5	10	92	131.5
CPm75(115-230V/60Hz)	1	1	131	159	49	37	112	294.5	10	92	131.5



Packing Size & Weight

Model	Dim.(L×W×H) mm	G.W. (kg)	20'Loading Qty. (pcs)
CPm37(115V/60Hz)	300×195×255	7.7	1764
CPm37(220V/60Hz)	300×195×255	7.7	1764
CPm37(115-230V/60Hz)	300×195×255	7.7	1764
CPm55(115V/60Hz)	325×195×255	10	1764
CPm55(220V/60Hz)	325×195×255	10	1764
CPm55(115-230V/60Hz)	325×195×255	10	1764
CPm75(115V/60Hz)	330×200×275	12	1568
CPm75(220V/60Hz)	330×200×275	12	1568
CPm75(115-230V/60Hz)	330×200×275	12	1568

SHF20A/SHF30A

SHFm5AM

SHF(m)

Performance Range

Max. Flow: 140m³/h
Max. Head: 24.5m

Certificate

CE

Application Limits

◎ Suction head up to 7m
◎ Liquid temperature up to +40℃
◎ Ambient temperature up to +40℃
◎ Max. Working pressure: 3.6bar
◎ Voltage fluctuation should not exceed 10% of rated value.
◎ pH: 6.5 to 8.5

Basic Configuration

◎ Pump body: cast iron
◎ Impellers: brass/cast iron
◎ SHFm Shaft: 45 # Steel SHF Shaft: 45 # Steel+304
◎ Mechanical sealing: ceramic / graphite / NBR rubber
◎ Motor: two asynchronous motors, copper coils, built-in thermal protection, all closed fan-cooled, continuous operation
◎ Protection: IP44
◎ Insulation class: F

Application Fields

◎ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
◎ Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

Optional Available On Request

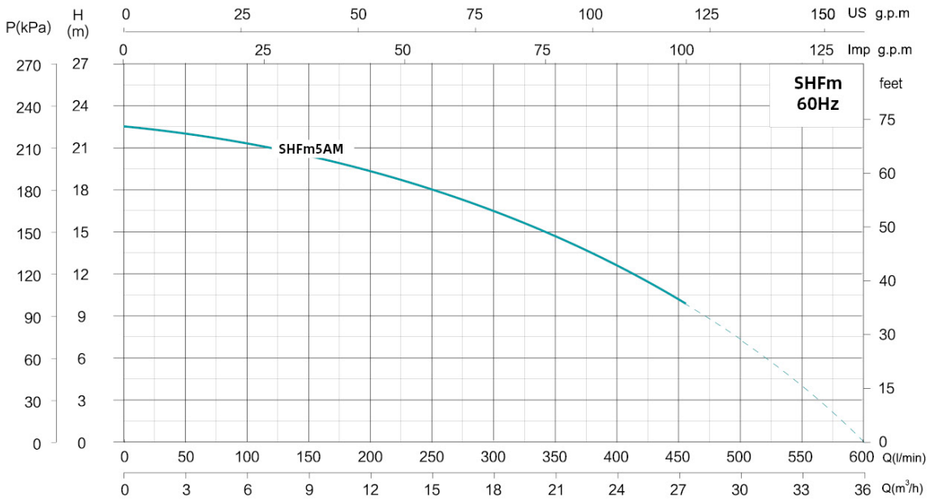
◎ Electrophoretic pump body and connections
◎ NSK bearing

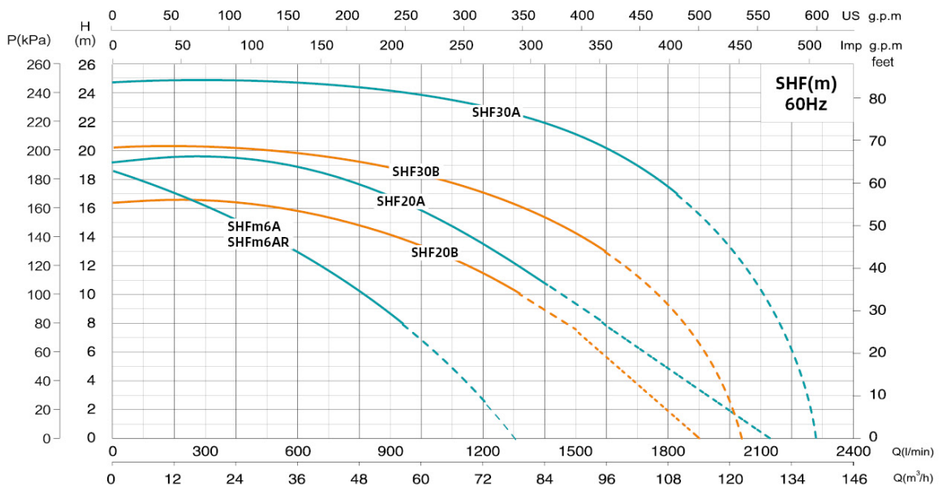
Model Instruction

SHF (m) 6A (R)

- (R): Inlet+1"
- 6A: Type Range
- (m): Single-Phase, No "m":Three-Phase
- SHF: Centrifugal Pumps

Performance Curve

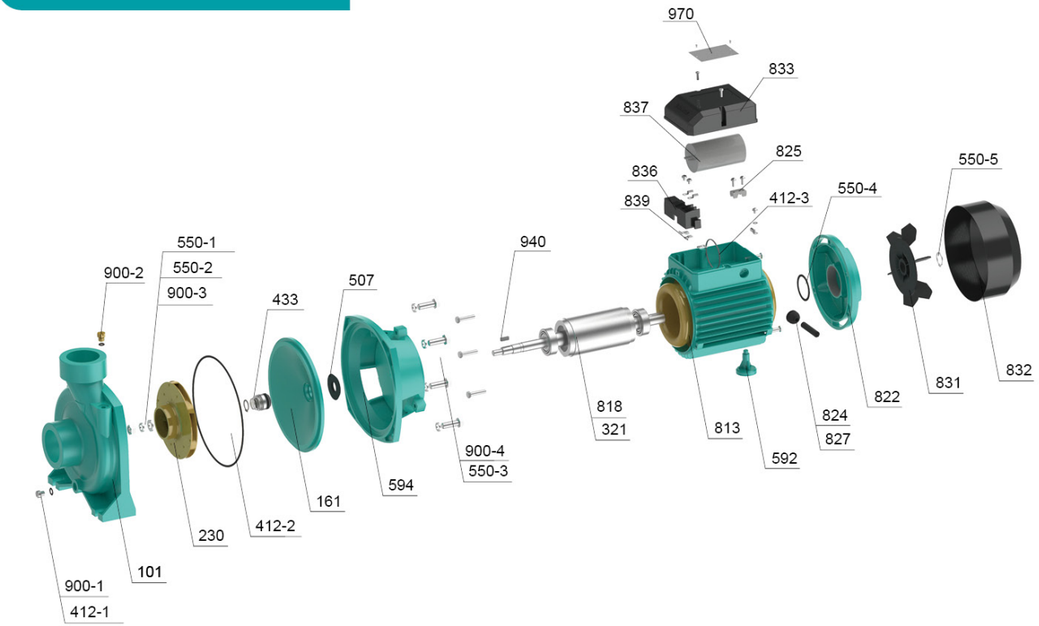




Model		Power		Max. Flow (m^3/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
Single-Phase	Three-Phase	kW	HP				
SHFm5AM(220V-60Hz)	/	1.5	2	36	22.5	10~22.5	7
SHFm6A(220V-60Hz)	/	2.2	3	78	18.5	8~18.5	7
SHFm6AR(220V-60Hz)	/	2.2	3	78	18.5	8~18.5	7
/	SHF20B(220V/380V-60Hz)	3	4	114	16.5	10~16.5	7
/	SHF20A(220V/380V-60Hz)	4	5.5	129	19.5	11~19.5	7
/	SHF30B(220V/380V-60Hz)	5.5	7.5	125	20	13~20	7
/	SHF30A(220V/380V-60Hz)	7.5	10	140	24.5	17~24.5	7

NOTE: Single-phase model 0.3m short-circuit without plug,Three-phase model has no cable

Components & Materials

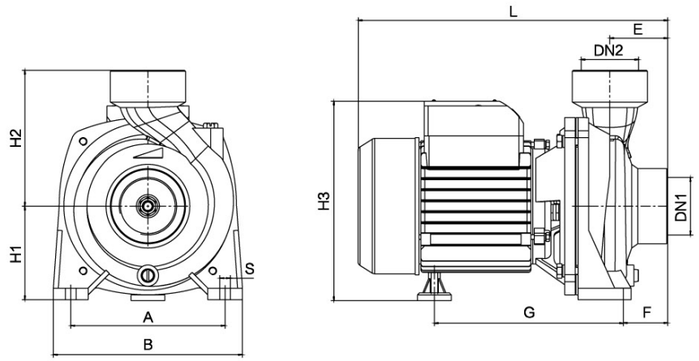


No.	Part name	No.	Part name	No.	Part name	No.	Part name
101	Pump body	550-1	Type I hexagon nut	822	Rear end cover	839	Insert spring
161	Pump cover	550-2	Spring washer	824	Cable	900-1	Slotted cheese head screw
230	Impeller	550-4	Wave spring	825	Cable pressing plate	900-2	Vent cock
321	Deep groove ball bearing	550-5	Circlip for shaft	827	Cable sheath	900-3	Flat washer
412-1	O-ring	507	Water retaining ring	831	Fan	900-4	Hexagon head bolt
412-2	O-ring	592	Foot	832	Fan cover	940	Ordinary flat key
412-3	O-ring	594	Connector	833	Junction box	970	Nameplate
433	Mechanical seal	813	Stator	836	Terminal block		
500-3	Spring washer	818	Rotor	837	Running capacitor		

Model	SHF20B	SHF20A	SHF30B	SHF30A	SHFm5AM 220V60Hz	SHFm6A 220V60Hz	SHFm6AR 220V60Hz
Capacitor	/	/	/	/	40μF/450V	35μF/450V 250μF/250V	35μF/450V 250μF/250V
End cap Bearing	6205-2RS	6206-2RS	6206-2RS	6208-2RS	6204-2RZ	6205-2RZ	6205-2RZ
Connection Part Bearing	6205-2RS	6206-2RS	6206-2RS	6208-2RS	6204-2RZ	6304-2RZ	6304-2RZ
Motor Shaft	Steel 45#+304						
Mechanical Seal	701-20/29 S:K(PC) Stator Ring Φ35	701-25/31 S:K(PC)Stator Ring Φ40		701-28/32 S:K(PC) Stator Ring Φ43	115-17/30 B:A(PC)Stator Ring Φ26.9		
	A:Hot-pressing graphite, K:Impregnated graphite, W:Tungsten carbide (YG6), B:Alumina ceramic,S:RBSC,F:Fluororubber, P:NBR, E:EPR, T:Manganese steel with the surface chromium plated, C:Stainless steel(06Cr19Ni10), H:Brass						
Motor Case	Aluminum						
Coupling	Cast Iron						
Pump Body	Cast Iron						
Impeller	Cast Iron/Brass		Cast Iron		Cast Iron/Brass		

Dimensions & Weight

Model	DN1	DN2	Dim.(mm)									
	Inch		A	B	E	F	G	L	S	H1	H2	H3
SHFm5AM(220V-60Hz)	2	2	160	206	62	61	226	377	11	110	150	234
SHFm6A(220V-60Hz)	3	3	180	230	68	68	257	438	12	128	192	296
SHFm6AR(220V-60Hz)	4	4	190	240	64	61	257	438	12	128	192	296
SHF20B(220V/380V-60Hz)	4	4	190	260	80	50	302	461	14	132	180	267
SHF20A(220V/380V-60Hz)	4	4	190	260	80	50	286	482	14	132	180	288
SHF30B(220V/380V-60Hz)	4	4	212	292	82	52	301	509	14	160	210	350
SHF30A(220V/380V-60Hz)	4	4	212	292	82	52	318	559	14	160	210	350



Packing Size & Weight

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
SHFm5AM(220V-60Hz)	425×250×295	21	22.5	1024
SHFm6A(220V-60Hz)	510×295×355	35	37	584
SHFm6AR(220V-60Hz)	510×295×355	36	39	584
SHF20B(220V/380V-60Hz)	560×320×400	40	46	400
SHF20A(220V/380V-60Hz)	560×320×400	44	50	400
SHF30B(220V/380V-60Hz)	590×340×430	59	66	350
SHF30A(220V/380V-60Hz)	640×340×430	73	80	300


CA200


CA600


CA1000

CA

Performance Range

Max. Flow: 7.2m³/h
Max. Head: 50m

Application Limits

◎ The conveying medium is clean water and other liquids with similar properties to water
◎ Medium temperature range 0℃ ~+90℃ (CA1000: 0℃ ~+60℃)
◎ The pH of the medium is between 6.5 and 8.5
◎ The volume ratio of solid impurities is not more than 0.1%, and the particle size is not more than 0.2mm
◎ The voltage is single-phase AC 220V, and the voltage fluctuation range is ±10% of the rated value.

Certificate

CE

Basic Configuration

The intelligent permanent magnet variable frequency booster pump implements the Q/SG 206 standard. It is a new generation of variable frequency constant pressure water supply equipment that is mainly integrated by a controller, a permanent magnet motor, an electric pump, and a pressure tank. The electric pump adopts a centrifugal impeller and guide vane structure, which has the advantages of large water flow, stable operation and low noise. The electric pump is beautiful in appearance, compact in structure, easy to install and operate; the operating frequency is automatically adjusted according to user needs to ensure that the pressure of the user's pipe network is constant, which is a more efficient and energy-saving operation of the system.

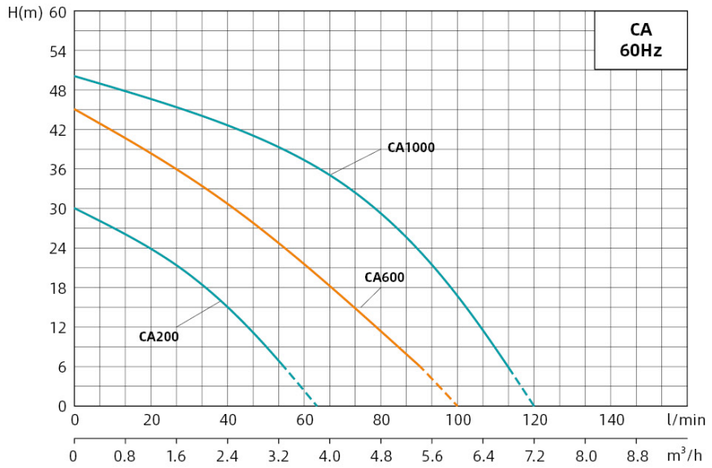
Application Fields

Villa water supply pressurization, community water supply pressurization, school water supply pressurization, small commercial water supply pressurization

Model Instruction

CA 1000
- 1000 — rated power
- CA — Intelligent permanent magnet variable frequency booster pump

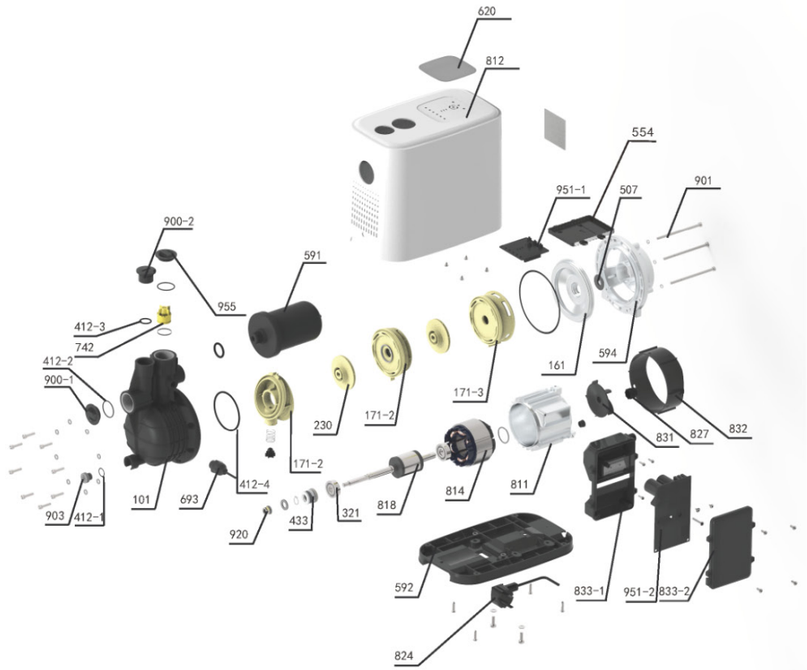
Performance Curve



Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
CA200	0.2	0.27	3.8	30	4-25	5
CA600	0.6	0.82	6	45	0 ~ 40	6
CA1000	1.0	1.36	7.2	50	18-45	6

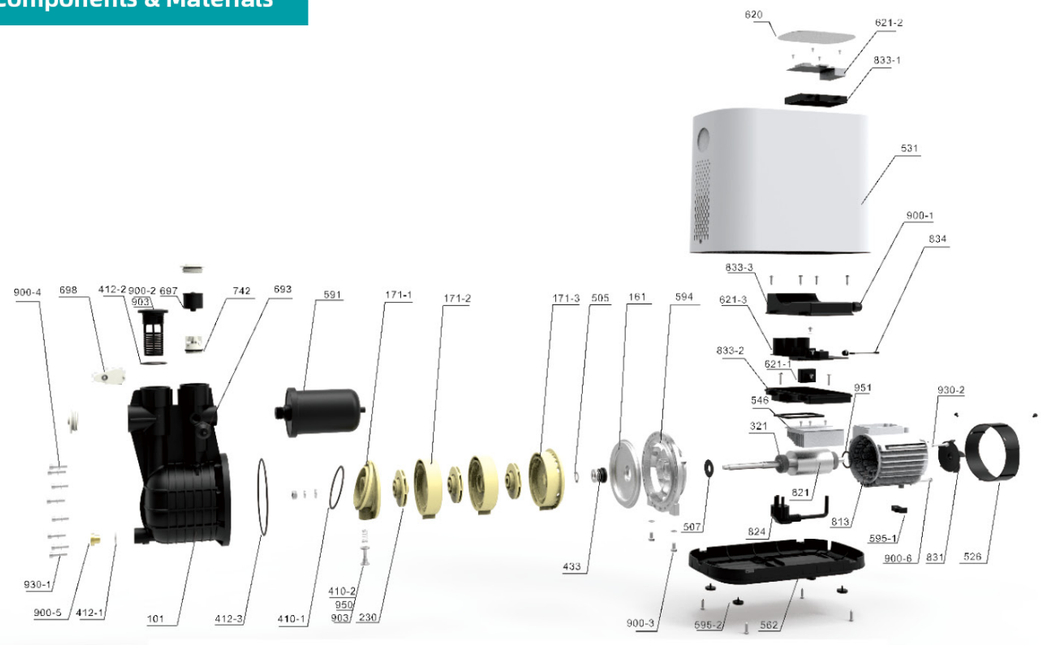
Model	CA200	CA600	CA1000
Capactior	/	/	/
End cap Bearing	6201-2RZ	6202-2RZ	6202-2RZ
Connection Part Bearing	6201-2RZ	6202-2RZ	6202-2RZ
Motor Shaft	20Cr13	20Cr13	20Cr13
Mechanical Seal	108-12/21&S:A(RC)&Static ring26	118-14/21&Static ring26&S:K(PC)	108-14/20.5&S:A(RC) & Without mechanical sealing ring&S:K(RC)
Motor Case	Aluminum shell	Aluminum	304#
Coupling	aluminum	Cast Iron	Plastic
Pump Body	Plastic	Plastic patrs	Plastic
Impeller	Plastic	Plastic patrs	Plastic

Components & Materials



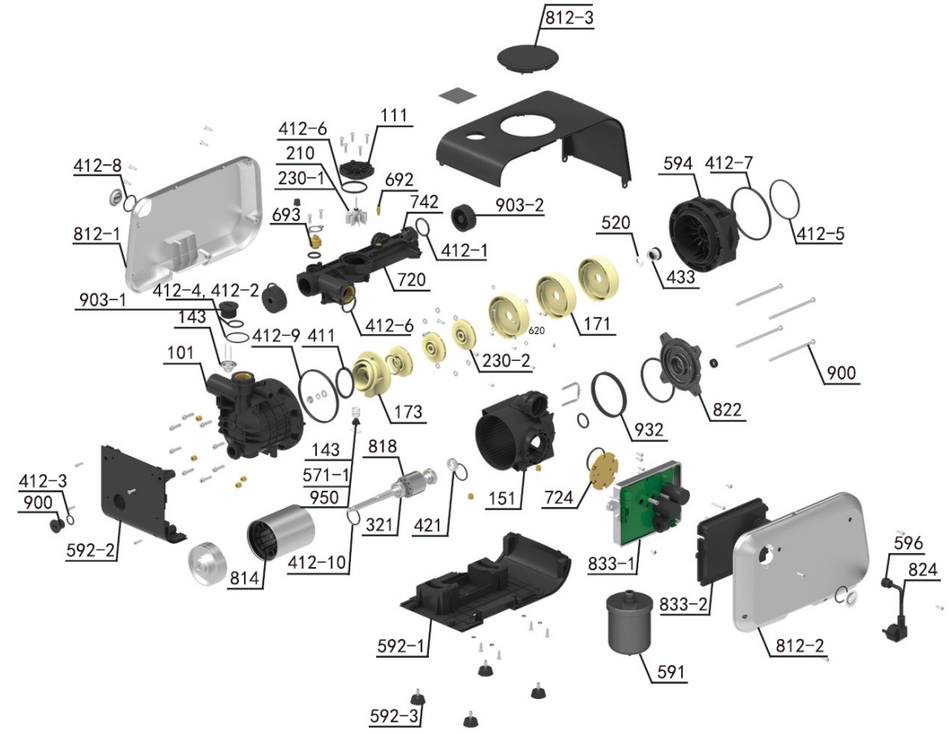
No.	Part name	No.	Part name	No.	Part name
161	Pump Cover	507	Water Deflector	832	Fan Cover
101	Pump Body	591	Pressure Tank	833-1	Terminal Box
171-2	Guide Vane	594	Connector	833-2	Terminal Box Cover
171-1	Guide Vane Cover	620	Panel Screen	900-1	Water Inlet Valve
171-3	Final Stage Guide Vane	693	Pressure Sensor	900-2	Air Release Valve
230	Impeller	742	Check Valve	901	Hexagonal Bolt
321	Deep Groove Ball Bearing	811	Motor Casing	903	Return Hole Plug
412-1	O-ring Seal Ring	812	Cover Casing	951-1	Display Panel
412-2	O-ring Seal Ring	818	Rotor	951-2	Control Panel
412-3	O-ring Seal Ring	824	Cable	955	Dust Cover
412-4	O-ring Seal Ring	827	Cable Sheath	554	Pressure Cap
433	Mechanical Seal	831	Fan		

Components & Materials



No.	Part name	No.	Part name	No.	Part name
101	Pump body	742	Check valve	595-1	Rubber pads for footing
161	Pump cove	813	Stator	595-2	Rubber pads for footing
230	Impeller	821	Rotor	621-1	Wire holder
321	Deep groove ball bearings	824	Cable	621-2	Driver board
433	Mechanical Seal	831	Fan	621-3	Control panel
505	Circlip for shaft	834	Signal cable (routing cable)	833-1	Junction box (panel box)
507	Water retaining ring	903	Backflow hole plug	833-2	Control box
526	Fan cover	950	Spring	833-3	Control box cover
531	Housing	951	Wavy spring	900-1	Junction box nut
546	Heat block	171-1	(Final class) guide vane	900-2	Water filling cock
562	Base	171-2	Guide vane	900-3	Hexagon head bolts fully threaded
591	Pressure tank	171-3	(Front) guide vane cover	900-4	Hexagon socket head screws
594	Coupling	410-1	Rubber gaskets	900-5	Vent cock
620	Touchscreen	410-2	Rubber pads	900-6	Hexagon-head bolt
693	Pressure sensor	412-1	O-ring seal	930-1	Spring gasket
697	Tube	412-2	O-ring seal	930-2	Spring gasket
698	Hall sensor	412-3	O-ring seal		

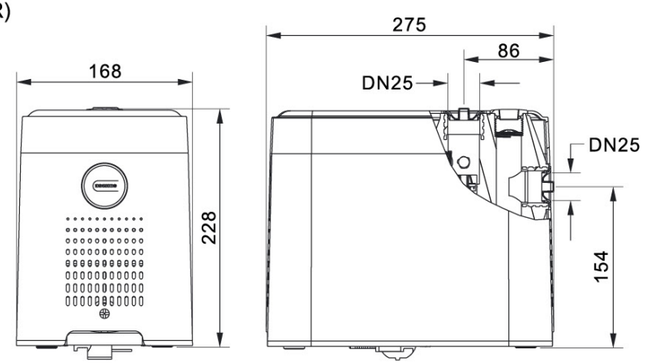
Components & Materials



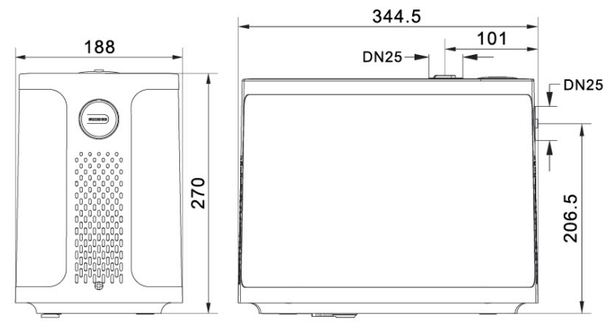
No.	Part name	No.	Part name	No.	Part name	No.	Part name	No.	Part name
812-1	Left housing	955-1	Panel sticker	143	Filter	151	Water-flowing pump body	724	Radiating plate
550-8	Pressure sensor pressing plate	620	Display panel assembly	101	Pump body	591-1	Large insert spring	833-1	Control box assembly
111	Flowmeter cover plate assembly	812-3	Panel cover	900-2	Drain cock	822	Rear end cover	833-2	Control box cover
210	Turbine shaft	594	Connector	592-2	Side base	827-2	Lead wire sheath	812-2	Right housing
230-1	Turbine assembly	171	Guide vane	411	Rubber washer	932	Backing ring	827	Cable
692	Temperature sensor	230-2	Impeller	903-3	Return hole plug	818	Rotor	591	Pressure tank
693	Pressure sensor	720	Outlet pipe fitting	950-1	Spring	814	Stator	592-3	Foot
903-2	Plug	903-1	Vent cock	591-2	Small insert spring	592-1	Base		

Packing Size & Weight

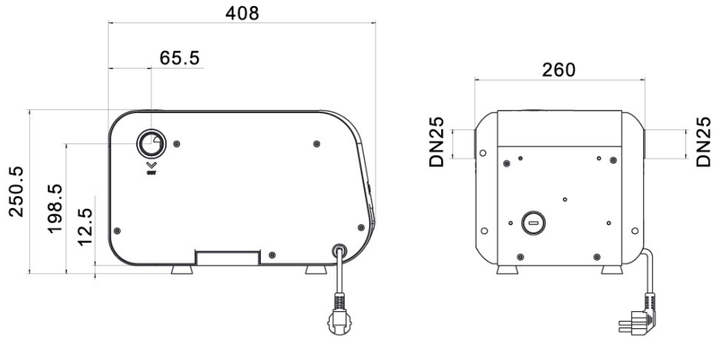
CA200(R)



CA600

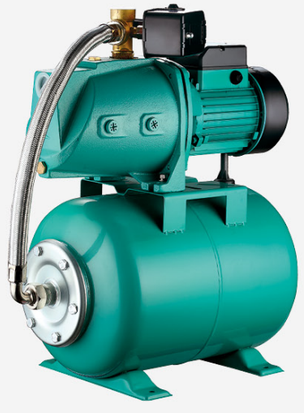


CA1000



Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
CA200	275×168×228	4.8	5.4	1512
CA600	344.5×188×266.5	7.3	7.4	882
CA1000	408×260×205	10.5	11.5	595

SGJW



SGJW

Performance Range

Max. Flow: 5.4m³/h
Max. Head: 52m

Certificate

CE

Application Limits

◎ Suction head up to 9m
◎ Liquid temperature up to +40℃
◎ Ambient temperature up to +40℃
◎ Max. Working pressure: 6bar
◎ Voltage fluctuation should not exceed 10% of rated value.
◎ pH: 6.5 to 8.5

Basic Configuration

◎ Pump body: cast iron
◎ Impellers: brass
◎ Shaft: 45 # Steel+304
◎ Mechanical sealing: ceramic / graphite / NBR rubber
◎ Motor: two asynchronous motors, copper coils, built-in thermal protection, all closed fan-cooled, continuous operation
◎ Protection: IP44
◎ Insulation class: F

Application Fields

◎ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
◎ Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

Optional Available On Request

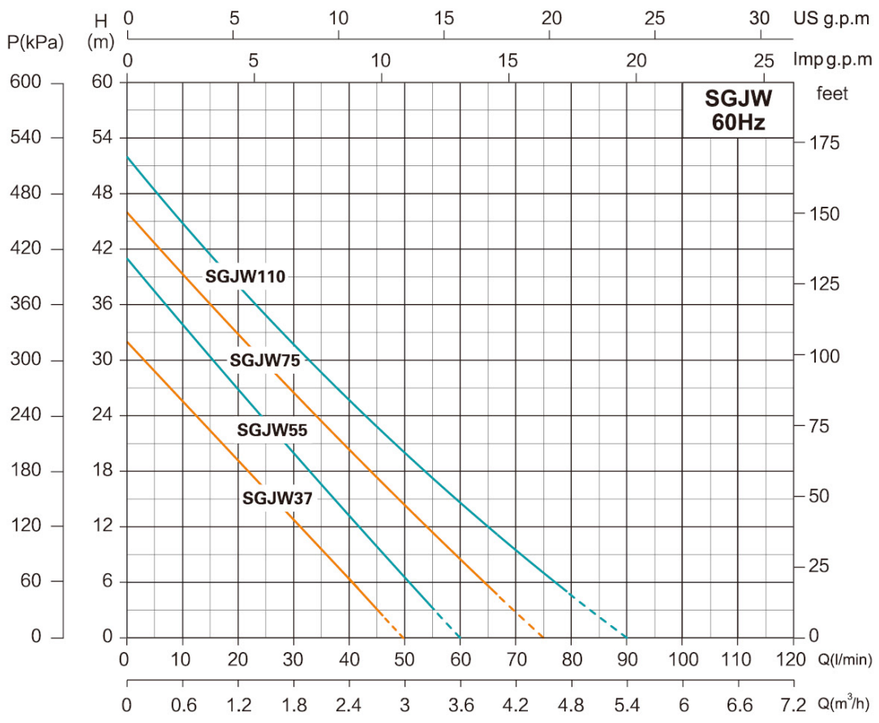
◎ Electrophoretic pump body and connections
◎ NSK bearing

Model Instruction

SGJW 37

- 37 — Power 1/10(W)
- SGJW — Self-Priming

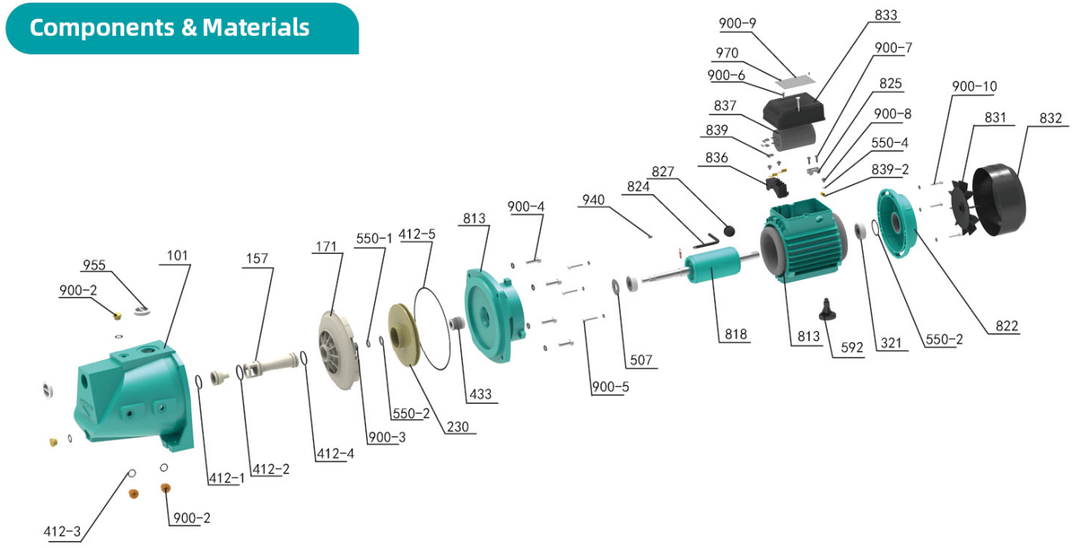
Performance Curve



Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
SGJW37(120V-60Hz)						
SGJW37(220V-60Hz)	0.37	0.5	3	3.2	2.5-32	8
SGJW37(115V/230V-60Hz)						
SGJW55(120V-60Hz)						
SGJW55(220V-60Hz)	0.55	0.75	3.6	41	3-41	9
SGJW55(115V/230V-60Hz)						
SGJW75(120V-60Hz)						
SGJW75(220V-60Hz)	0.75	1	4.5	46	4.5-46	9
SGJW75(115V/230V-60Hz)						
SGJW110(120V-60Hz)	1.1	1.5	5.4	52	5-52	9

NOTE: 0.3m short-term without plug

Components & Materials

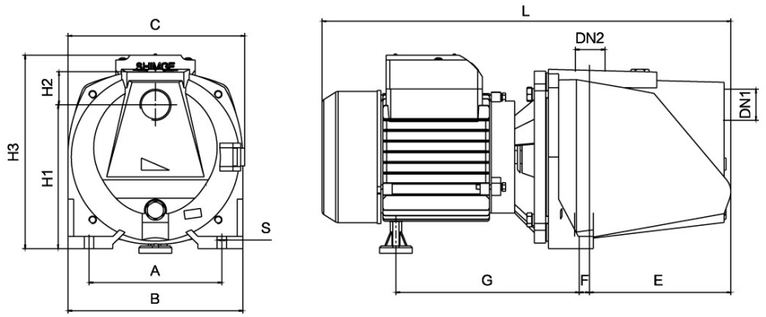


No.	Part name	No.	Part name	No.	Part name
900-1	Vent cock	970	Nameplate	818	Rotor
955	Dust cover	900-9	Rivet	507	Water retaining ring
101	Pump body	833	Junction box	900-5	Hexagon head bolt
157	Ejector	900-7	Cross recessed flange screw	433	O-ring
171	Guide vane	825	Cable pressing plate	230	Impeller
550-1	Spring washer	900-8	Cross recessed flange screw	550-2	Flat washer
412-5	O-ring	550-4	External teeth lock washer	900-3	Type I lock nut
813	Connector	839-2	Closed wiring terminal	412-4	O-ring
900-4	Hexagon head bolt	900-10	Hexagon head bolt	412-2	O-ring
940	Flat key	831	Fan	412-1	O-ring
824	Cable	832	Fan cover	900-2	Vent cock
827	Cable sheath	822	Rear end cover	412-3	O-ring
836	Terminal block	550-5	Wave spring		
839	6.3 spring	321	Deep groove ball bearing		
837	Running capacitor	592	Foot		
900-6	Cross recessed pan head screw	813	Stator		

Model	SGJW37 120V-60Hz	SGJW37 220V-60Hz	SGJW37 115V/230V -60Hz	SGJW55 120V-60Hz	SGJW55 220V-60Hz	SGJW55 115V/230V -60Hz	SGJW75 120V-60Hz	SGJW75 220V-60Hz	SGJW75 115V/230V -60Hz	SGJW110 120V-60Hz
Capacitor	16μF /250V	15μF /450V	25μF /250V	30μF /250V	18μF /450V	40μF /250V	40μF /250V	25μF /450V	60μF /250V	50μF /250V
End cap Bearing	6201-2RZ			6202-2RZ						
Connection Part Bearing	6201-2RZ			6202-2RZ						
Motor Shaft	Steel 45#+304									
Mechanical Seal	103-12/20.5 B:A (PC) Stator Ring Φ26			104-14/25 B:A (PC) Stator Ring Φ26						
	A: Hot graphite, B: Alumina ceramic, P: Nitrile rubber, C: Stainless steel (06Cr19Ni10)									
Motor Case	Aluminum									
Coupling	Cast Iron									
Pump Body	Cast Iron									
Impeller	Brass									

Dimensions & Weight

Model	DN1	DN2	Dim.(mm)										
	Inch		A	B	C	E	F	G	L	S	H1	H2	H3
SGJW37(60Hz)	1	1	122	160	160	89	27	158	346.5	10	129.5	33.5	176.5
SGJW55(60Hz)	1	1	142	187	187	144	11	196	437	10	154	38	207
SGJW75(60Hz)	1	1	142	187	187	144	11	196	437	10	154	38	207
SGJW110(60Hz)	1	1	142	187	187	144	11	196	437	10	154	38	207



Packing Size & Weight

Model	Dim.(L×W×H) mm	G.W. (kg)	20'Loading Qty. (pcs)
SGJW37(120V-60Hz)	390×190×230	8.5	1765
SGJW37(220V-60Hz)	390×190×230	8.5	1765
SGJW37(120V/220V-60Hz)	390×190×230	8.5	1765
SGJW55(120V-60Hz)	475×195×230	15.5	1353
SGJW55(220V-60Hz)	475×195×230	15.5	1353
SGJW55(120V/220V-60Hz)	475×255×200	15.5	1242
SGJW75(120V-60Hz)	475×195×230	15	1353
SGJW75(220V-60Hz)	475×195×230	15	1353
SGJW75(120V/220V-60Hz)	475×255×200	15	1242
SGJW110(120V-60Hz)	475×195×230	17.5	1353

JET-G2

Performance Range

Max. Flow: 5.4m³/h
Max. Head: 48m

Certificate

CE

Application Limits

◎ Suction head up to 9m
◎ Liquid temperature up to +40℃
◎ Ambient temperature up to +40℃
◎ Max. Working pressure: 4.8bar
◎ Voltage ± 10%
◎ pH: 6.5 to 8.5

Basic Configuration

◎ Mechanical sealing: ceramic / graphite / NBR rubber
◎ Motor: two asynchronous motors, copper coils, built-in thermal protection, all closed fan-cooled, continuous operation
◎ Protection: IP44
◎ Insulation class: F

Application Fields

◎ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
◎ Widely used in garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, various corollary equipment, etc.

Optional Available On Request

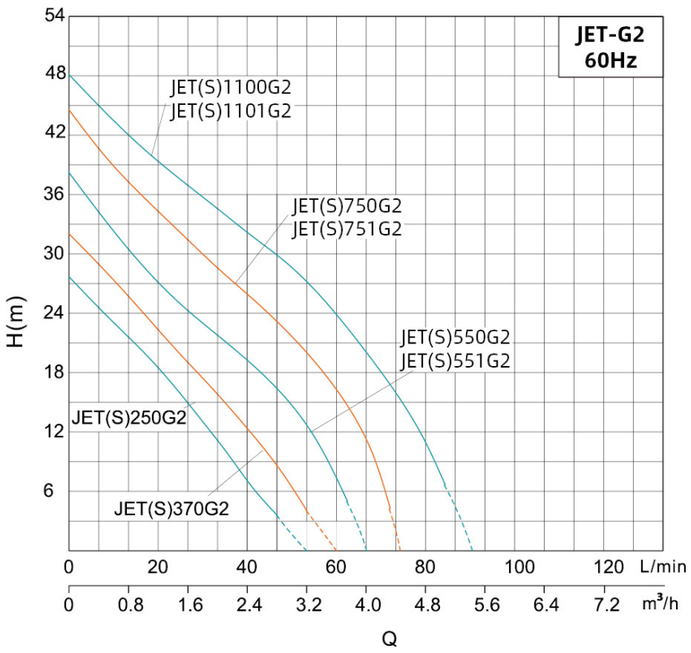
◎ NSK bearing

Model Instruction

JET (S) 750 G2

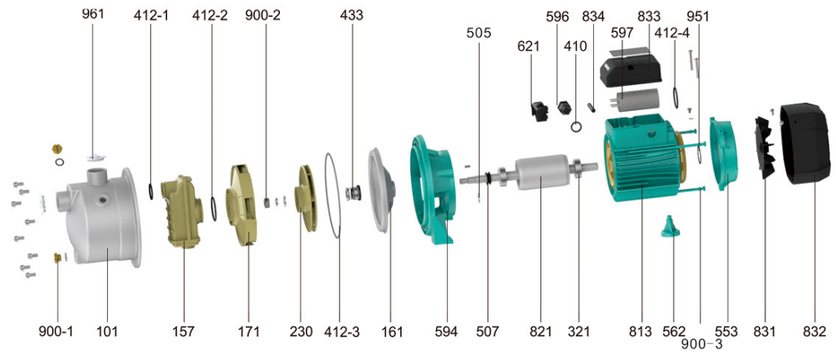
- G2: Stainless steel pump housing
- 750: Power
- (S): "S" indicates three-phase, and single-phase is not marked
- JET: Jet Pump

Performance Curve



Model	Power		Max. Flow (m^3/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
JET250G2(115V/230V-60Hz)	0.25	0.34	3.2	28.0	4 ~ 28	8.0
JET250G2(115V/60Hz)	0.25	0.34	3.2	28.0	4 ~ 28	8.0
JET250G2(220V/60Hz)	0.25	0.34	3.2	28.0	4 ~ 28	8.0
JET370G2(115V/230-60Hz)	0.37	0.50	3.6	32.0	5 ~ 32	7.0
JET370G2(115V/60Hz)	0.37	0.50	3.6	32.0	5 ~ 32	7.0
JET370G2(220V/60Hz)	0.37	0.50	3.6	32.0	5 ~ 32	7.0
JET550G2(115V/230V-60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	9.0
JET550G2(115V/60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	9.0
JET550G2(220V/60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	9.0
JET551G2(115V/230V-60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	8.0
JET551G2(115V/60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	8.0
JET551G2(220V/60Hz)	0.55	0.75	4.0	38.0	4 ~ 38	8.0
JET750G2(115V/230V-60Hz)	0.75	1.00	4.5	44.0	5.5 ~ 44	9.0
JET750G2(115V/60Hz)	0.75	1.00	4.5	44.0	5.5 ~ 44	9.0
JET750G2(220V/60Hz)	0.75	1.00	4.5	44.0	5.5 ~ 44	9.0
JET751G2(115V/230V-60Hz)	0.75	1	4.5	44.0	5.5 ~ 44	8.0
JET751G2(115V/60Hz)	0.75	1	4.5	44.0	5.5 ~ 44	8.0
JET751G2(220V/60Hz)	0.75	1	4.5	44.0	5.5 ~ 44	8.0
JET1100G2(115V/230V-60Hz)	1.10	1.50	5.4	48.0	9 ~ 48	9.0
JET1100G2(115V/60Hz)	1.10	1.50	5.4	48.0	9 ~ 48	9.0
JET1100G2(220V/60Hz)	1.10	1.50	5.4	48.0	9 ~ 48	9.0
JET1101G2(115V/230V-60Hz)	1.1	1.5	5.4	48.0	9 ~ 48	8.0
JET1101G2(115V/60Hz)	1.1	1.5	5.4	48.0	9 ~ 48	8.0
JET1101G2(220V/60Hz)	1.1	1.5	5.4	48.0	9 ~ 48	8.0

Components & Materials



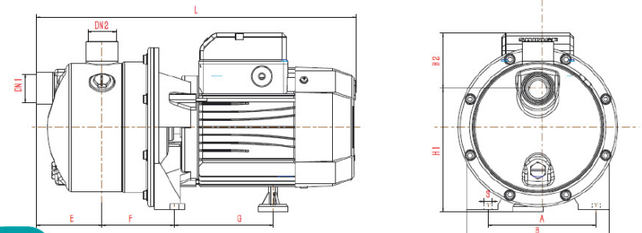
No.	Part name	No.	Part name	No.	Part name
101	Pump body	412-4	O-ring	821	Rotor
157	Ejector	433	Mechanical seal	831	Fan
161	Pump cover	507	Water retaining ring	832	Fan cover
171	Guide vane	553	Rear end cover	833	Control box assembly
230	Impeller	562	Foot	834	Cable
321	Deep groove ball bearing	594	Connector body	900- 1	Vent cock
410	Rubber washer	596	Cable lock	900-2	Type I hexagon nut
412- 1	O-ring	597	Capacitor	951	Wave spring
412-2	O-ring	621	Wiring terminal	961	Dust cover
412-3	O-ring	813	Stator	900-3	Hexagon head bolt
505	Jump ring				

Model	JET250G2 (115V/230V-60Hz)	JET250G2 (115V/60Hz)	JET250G2 (220V/60Hz)	JET370G2 (115V/230-60Hz)	JET370G2 (115V/60Hz)	JET370G2 (220V/60Hz)	JET550G2 (115V/230V-60Hz)	JET550G2 (115V/60Hz)	JET550G2 (220V/60Hz)
Capacitor	20μF/250V	25μF/250V	10μF/450V	30μF/250V	30μF/250V	12μF/450V	40μF/250V	45μF/250V	15μF/450V
End cap Bearing	6201-2RZ						6202-2RZ		
Connection Part Bearing	6201-2RZ						6202-2RZ		
Motor Shaft	Steel 45#+304								
Mechanical Seal	108-12/21&26\&S:A(RC)			108-12/21&26\&S:A(RC)			108-14/25&S:A(PC)		
Motor Case	Aluminum								
Coupling	Aluminum								
Pump Body	304								
Impeller	Plastics PPO								

Model	JET750G2 (115V/230V-60Hz)	JET750G2 (115V/60Hz)	JET750G2 (220V/60Hz)	JET1100G2 (115V/230V-60Hz)	JET1100G2 (115V/60Hz)	JET1100G2 (220V/60Hz)
Capacitor	40μF/250V	40μF/250V	20μF/450V	50μF/250V	50μF/250V	25μF/450V
End cap Bearing	6202-2RZ			6202-2RZ		
Connection Part Bearing	6202-2RZ			6202-2RZ		
Motor Shaft	Steel 45#+304					
Mechanical Seal	108-14/25&S:A(PC)			108-14/25&S:A(PC)		
Motor Case	Aluminum					
Coupling	Aluminum					
Pump Body	304					
Impeller	Plastics PPO					

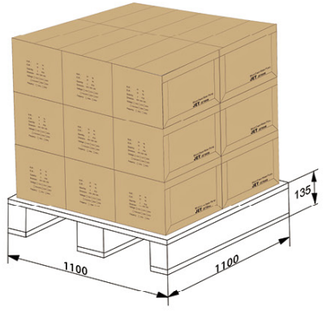
Dimensions & Weight

Model	DN1	DN2	Dim.(mm)								N.W. (kg)
	Inch		A	B	E	F	G	L	S	H1	H2	
JET250G2(115V/230V-60Hz)	1"	1"	105	145	70	79	109	333.5	9.5	120	70	5.5
JET250G2(115V/60Hz)	1"	1"									55	5.5
JET250G2(220V/60Hz)	1"	1"									55	5.5
JET370G2(115V/230-60Hz)	1"	1"									70	6.0
JET370G2(115V/60Hz)	1"	1"									55	6.0
JET370G2(220V/60Hz)	1"	1"									55	6.0
JET550G2(115V/230V-60Hz)	1"	1"	125	165	76.5	83.5	114.5	371	9.5	140	69	8.0
JET550G2(115V/60Hz)	1"	1"									64	8.0
JET550G2(220V/60Hz)	1"	1"									64	8.0
JET750G2(115V/230V-60Hz)	1"	1"									69	9.4
JET750G2(115V/60Hz)	1"	1"									64	9.4
JET750G2(220V/60Hz)	1"	1"									64	9.4
JET1100G2(115V/230V-60Hz)	1"	1"	145	183	76	97	109.5	379		153	64	11.0
JET1100G2(115V/60Hz)	1"	1"									59	11.0
JET1100G2(220V/60Hz)	1"	1"									59	11.0



Packing Size & Weight

Model Single-Phase	Dim.(L×W×H) mm	G.W. (kg)
JET250G2(115V/230V-60Hz)	370x210x225	6.1
JET250G2(115V/60Hz)	370x210x225	6.1
JET250G2(220V/60Hz)	370x210x225	6.1
JET370G2(115V/230-60Hz)	370x210x225	6.6
JET370G2(115V/60Hz)	370x210x225	6.6
JET370G2(220V/60Hz)	370x210x225	6.6
JET550G2(115V/230V-60Hz)	410x230x265	8.8
JET550G2(115V/60Hz)	410x230x265	8.8
JET550G2(220V/60Hz)	410x230x265	8.8
JET750G2(115V/230V-60Hz)	410x230x265	10.2
JET750G2(115V/60Hz)	410x230x265	10.2
JET750G2(220V/60Hz)	410x230x265	10.2
JET1100G2(115V/230V-60Hz)	410x245x275	12.0
JET1100G2(115V/60Hz)	410x245x275	12.0
JET1100G2(220V/60Hz)	410x245x275	12.0



PX-203E

PX-404E

PX-804E

PX-E

Performance Range

Max. Flow: 14m³/h
Max. Head: 45m

Application Limits

◎ The conveying medium is clean water and other liquids with similar properties to water
◎ Medium temperature range 0℃ ~+60℃ ;
◎ The pH of the medium is between 6.5 and 8.5
◎ The volume ratio of solid impurities is not more than 0.1%, and the particle size is not more than 0.2mm
◎ The voltage is single-phase AC 220V, and the voltage fluctuation range is ±10% of the rated value.

Certificate

CE

Basic Configuration

The PX-E fully integrated intelligent variable frequency pump implements the Q/SG 206 standard and is a new generation of variable frequency constant pressure water supply equipment mainly integrated by variable frequency controllers, electric pumps, pressure tanks, etc. The electric pump adopts a centrifugal impeller and guide vane structure, which has the advantages of large water flow, stable operation and low noise. The electric pump is beautiful in appearance, compact in structure, and easy to install and operate; it automatically adjusts the operating frequency according to user needs to ensure that the pressure of the user's pipe network is constant, making the system more efficient and energy-saving operation.

Application Fields

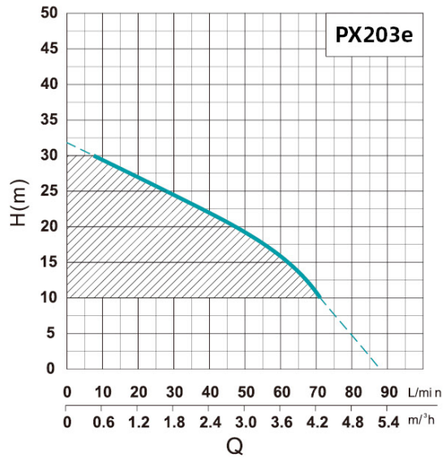
Villa water supply pressurization, community water supply pressurization, school water supply pressurization, small commercial water supply pressurization

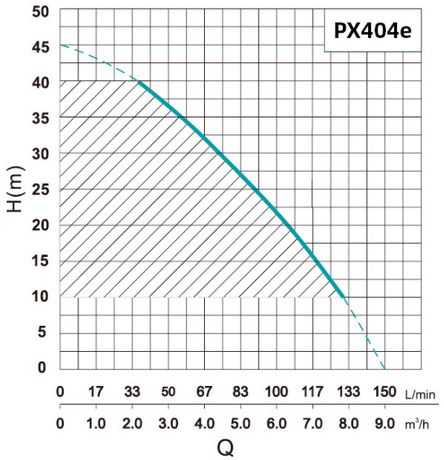
Model Instruction

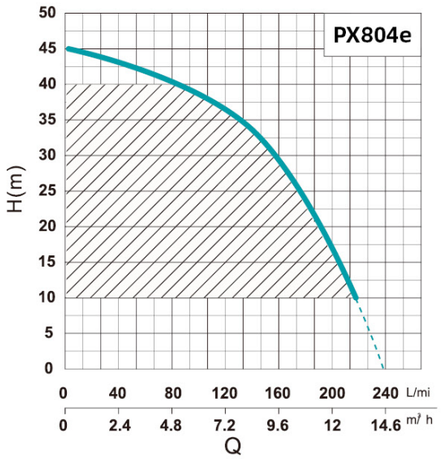
PX 4 04 E

- E — Frequency conversion series code
- 04 — Series
- 4 — Limited Data
- PX — Multi-stage horizontal centrifugal electric pump

Performance Curve

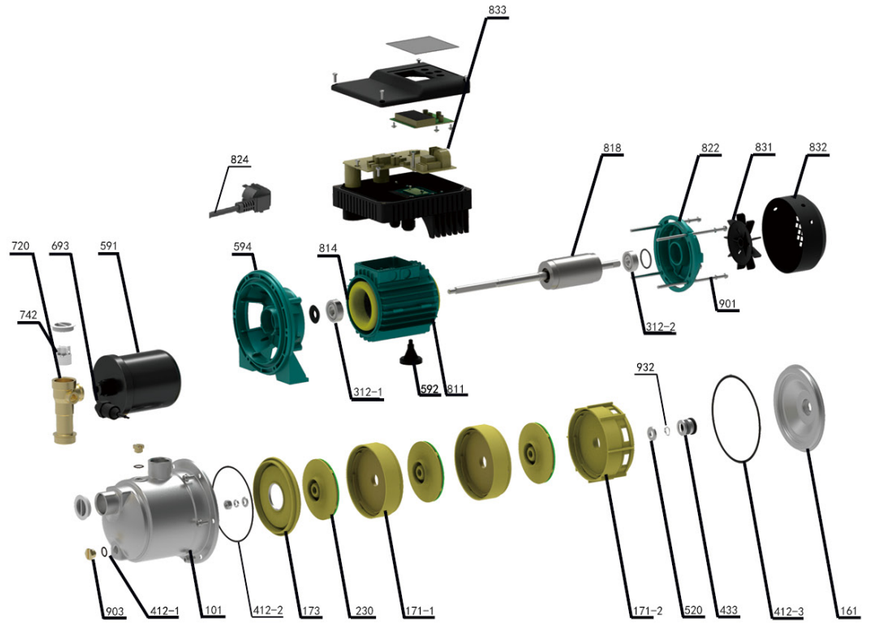






Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
PX203E	0.37	0.5	5	32	10-30	7
PX404E	0.75	1	9	45	10-40	7
PX804E	1.5	2	14	45	10-40	7

Components & Materials

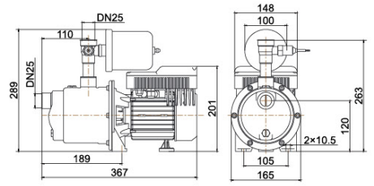


No.	Part name	No.	Part name	No.	Part name
173	Front guide vane cover plate	824	Cable (domestic)	742	Check valve
832	Fan cover	594	Connector	720	Four-way connector
811	Casing	591	Pressure tank	161	Pump cover
818	Rotor	693	Pressure sensor	433	Mechanical seal
412-1	O-ring	520	Shaft sleeve	903	Vent cock
900	Hexagon head bolt	592	Foot	814	Stator core with winding
833	PX203E variable frequency controller	101	Pump body	321-1	Deep groove ball bearing
230	Impeller	831	Fan\QB60	412-3	O-ring
171-1	Guide vane	321-2	Deep groove ball bearing	412-2	O-ring
171-2	Rear guide vane	822	Rear end cover	932	Circlip for shaft

Model	PX203E	PX404E	PX804E
Capacitor	/	/	/
End cap Bearing	6201-2RZ	6202-2RZ	6204-2RZ
Connection Part Bearing	6201-2RZ	6203-2RZ	6204-2RZ
Motor Shaft	45#+304#/420#	420#	45#+304#
Mechanical Seal	108-12/21&S:A(RC)&Static ring26	108-14/25&S:A(PC)Static ring28	108-16/25&S:A(PC)&Static ring30
Motor Case	Aluminum shell	Aluminum shell	Aluminum shell
Coupling	Aluminum	Aluminum	Aluminum
Pump Body	304#	304#	304#
Impeller	plastic	plastic	plastic

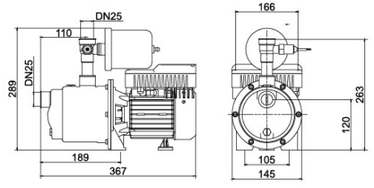
Packing Size & Weight

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PX203E(220V)	367×165×289	9.0	9.5	1260



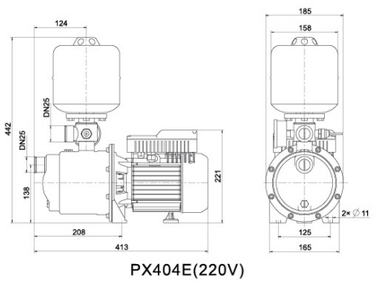
PX203E(220V)

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PX203E(115v/220V)	415×210×320	9.5	10.0	1078



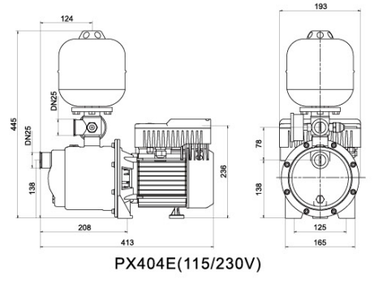
PX203E(115/230V)

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PX404E(220V)	409×165×490	13.7	15.3	520



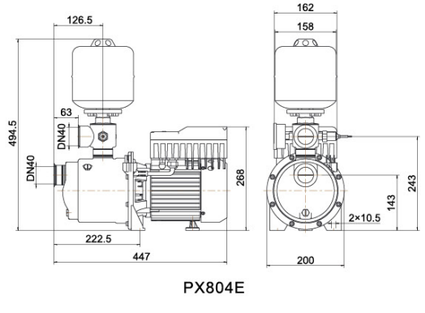
PX404E(220V)

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PX404E(115v/220V)	460×235×485	15.0	16.6	500



PX404E(115/230V)

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PX804E	447×200×534	18.8	20.7	440



PX804E

PRm

Performance Range

◎ Max.head:41m
◎ Max.flow:6m³/h

Certificate

CE

Application Limits

◎ Max. liquid temperature 40°C
◎ Max. ambienttemperature 40°C
◎ The pH of the medium is between 6.5 and 8.5, and the volume ratio of solid impurities in the medium is ≤0.1%, and the particle size is ≤0.2mm.
◎ Use the power frequency is 60Hz, the voltage is 115V, and the voltage fluctuation does not exceed 0.9~1.1 times of the rated value.

Basic Configuration

◎ pump barrel: PRm2： 201 stainless steel
PRm3： 304 stainless steel
◎ impeller: PPO + GF30
◎ Motor: 2-stage asynchronous motor, copper coil, fully closed fan cooling, continuous operation
◎ Protection level: IPX4
◎ Insulation class: F

Application Fields

◎ Home water supply system
◎ garden sprinkler irrigation
◎ Water delivery system
◎ Supercharged system

Optional Available On Request

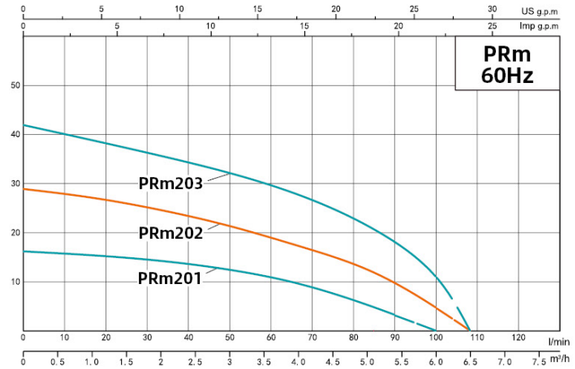
◎ NSK bearing

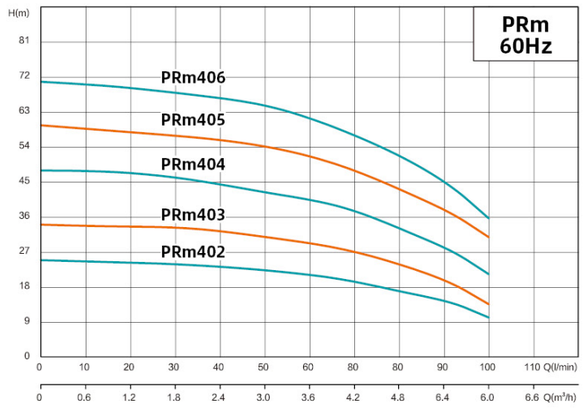
Model Instruction

PR (m) 2 02 (115V/60Hz)

- (115V/60Hz) — Voltage Code
- 02 — Stages
- 2 — Rate Flow (m³/h)
- (m) — (m)Single Phase,blank marking of three phases
- PR — Multistage centrifugal horizontal pump

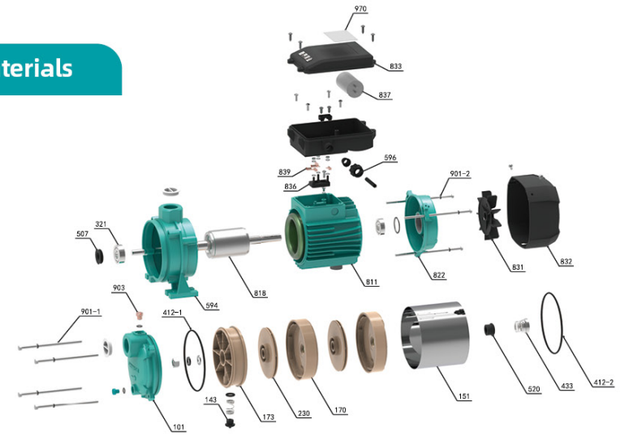
Performance Curve





Model	Power		Max. Flow (m³/h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
	kW	HP				
PRm201(115V/60HZ)	0.31	0.4	6	16	4 ~ 16	7
PRm202(115V/60HZ)	0.37	0.5	6.5	28	4 ~ 28	7
PRm203(115V/60HZ)	0.55	0.75	6.5	41	4 ~ 41	7
PRm402 (115V/60Hz)	0.75	1	6.5	34	27	8
PRm402 (220V/60Hz)	0.75	1	6.5	34	27	8
PRm403 (115V/60Hz)	1.1	1.5	6.5	50	43	8
PRm403 (220V/60Hz)	1.1	1.5	6.5	50	43	8
PRm404 (220V/60Hz)	1.5	2	6.5	66	58	8

Components & Materials



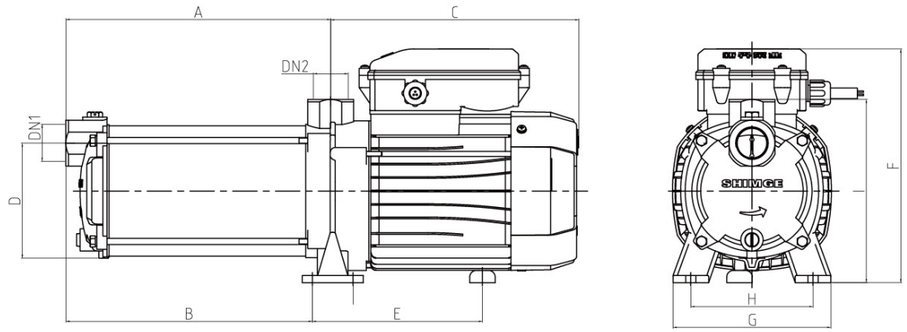
No.	Part name	No.	Part name	No.	Part name
106	Inlet pump casing	550-2	Flat washer	900-1	Cross recessed hexagon bolt
107	Connector	550-3	Wave spring	900-2	Cross recessed pan head self-tapping screw
151	Pump cylinder	550-4	Flat washer	900-3	Hexagon nut - Style 1
171	Guide vane	550-5	Spring washer	900-4	Cross recessed small pan head screw
173	Guide vane cover plate	550-6	Spring washer	900-5	Cross recessed flange screw
230	Impeller	813	Stator	900-6	Cross recessed pan head self-tapping screw
321	Deep groove ball bearing	818	Rotor	900-7	Hexagon nut - Style 1
410-1	Rubber gasket	824	Cable	900-8	Vent cock
410-2	Rubber washer	825	Cable pressing plate	900-9	Hexagon head bolt
410-3	Rubber gasket	827	Cable sheath	900-10	Slotted cheese head screw
412	O-ring	831	Fan	900-11	Cross recessed flange screw
433	Mechanical seal	832	Fan cover	955	Dust cover
507	Water retaining ring	833	Junction box assembly	970	Nameplate
520-1	Shaft sleeve	836	Wiring board	972	Earthing mark
520-2	Bushing	837	Capacitor		
550-1	External teeth lock washer	839	Wiring terminal		

Model	PRm201 (115V/60Hz)	PRm202 (115V/60Hz)	PRm203 (115V/60Hz)
Capacitor	20μF/250V	25μF/250V	50μF/250V
End cap Bearing	6201-2RZ	6201-2RZ	6201-2RZ
Connection Part Bearing	6201-2RZ	6201-2RZ	6201-2RZ
Motor Shaft	420#		
Mechanical Seal	108-12/21 B:A(PC)		
	A:Graphite,K:Impregnated resin sintered graphite,W:;Tungsten carbide,B:Alumina ceramics,F:Fluorine rubber,P:NBR, E:Ethylene propylene rubber, T:Plating Manganese steel with chromium,C:Stainless steel(06Cr19Ni10),H:brass		
Motor Case	Aluminium		
Coupling	Cast Iron		
Pump Body	201		
Impeller	PPO+GF30		
Inlet housing	Cast Iron		

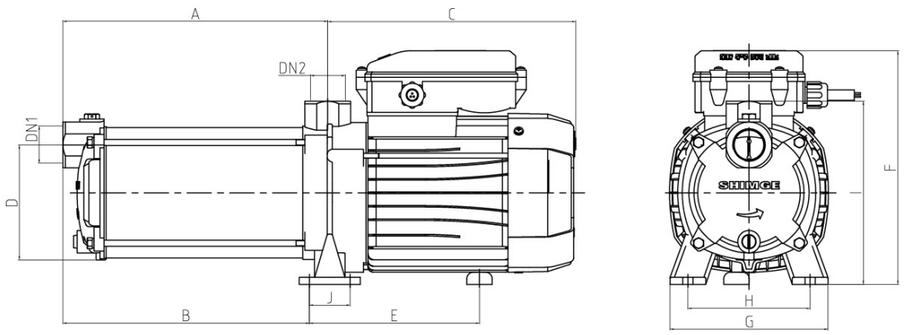
Model	PRm402 (115V-60Hz)	PRm402 (220V-60Hz)	PRm403 (115V-60Hz)	PRm403 (220V-60Hz)	PRm404 (220V-60Hz)
Capacitor	AC40μF\250V	AC20μF\450V	AC80μF\250V	AC30μF\450V	AC40μF\450V
End cap Bearing	6202-2RZ	6202-2RZ	6204-2RZ	6204-2RZ	6204-2RZ
Connection Part Bearing	6203-2RZ	6203-2RZ	6204-2RZ	6204-2RZ	6204-2RZ
Motor Shaft	420#	420#	45#+304#	45#+304#	45#+304#
Mechanical Seal	108-16/25&S:A(PC) &Static ring30	108-16/25&S:A(PC) &Static ring30	108-16/25&S:A(PC) &Static ring30	108-16/25&S:A(PC) &Static ring30	108-16/25&S:A(PC) &Static ring30
Motor Case	Aluminium				
Coupling	cast iron	cast iron	cast iron	cast iron	cast iron
Pump Body	304	304	304	304	304
Impeller	PPO+GF30				

Dimensions & Weight

Model	DN1	DN2	Dim.(mm)									N.W. (kg)
	Inch		A	B	C	D	E	F	G	H	I	
PRm201	1	1	135	184.5	212	110	74	170	140	102	150.5	7.5
PRm202	1	1	161	210.5	212	110	74	170	140	102	150.5	8.5
PRm203	1	1	187	236.5	212	110	74	170	140	102	150.5	9.5



Model	DN1	DN2	Dim.(mm)									
	Inch		A	B	C	D	E	F	G	H	I	J
PRm402	G1	G1	171	153	222	113	144	213	155	120	170	40
PRm403	G1	G1	201	177	243	113	167	243	155	120	180	40
PRm404	G1	G1	225	201	243	113	167	243	155	120	180	40



Packing Size & Weight

Model	Dim.(L×W×H) mm	N.W. (kg)	G.W. (kg)	20'Loading Qty. (pcs)
PRm402 (115V/60Hz)	393×155×213	11.5	12.5	1144
PRm402 (220V/60Hz)	423×155×213	12.0	13.0	1144
PRm403 (115V/60Hz)	447×155×213	15.5	16.5	1056
PRm403 (220V/60Hz)	492×210×233	15.5	16.5	1056
PRm404 (220V/60Hz)	516×210×233	18.0	19.0	968

Vertical Multi-Stage Centrifugal Pumps

BL(T)

High-efficiency standard motor, NSK、SKF bearings and cold-rolled 50ww800 silicon steel sheet made the pump high efficiency, low noise and maintenance-free. Totally enclosed shaft seal, IP55 protection grade, F class insulation grade, the special "double-lock" drive end bearing made the pump withstand higher inlet pressure.

Balanced & container-type shaft seal with all the parts assembled together, no axial rotating to prevent the shaft and rubber parts from wearing, with the characteristics of rapid changing, easy installation and safe operation.Dynamic sealing is made of cemented carbide materials and the static sealing is fluorine rubber material which make the mechanical seal to be high temperature resistance, long service life, easy changing and other significant characteristics.

Being produced by the most advanced international laser welding technology,, no eliminate welding, ensure the high intensity and efficiency. The processing technology: precision casting, CNC lathe, CNC machining center, the modern advanced technology such as the laser welding technique and processing equipment.

The built-in floating sealing ring of the pump cavity body could minimize the internal leakage produced by the differential pressure and prevent the energy consumption when liquid leaking back to the pump cavity body.

The pump core parts are designed to be multilevel interlocking, fastening nut locked, component system interlock assembly industry, to minimize the gap between the impeller per level, improve the efficiency of the impeller water conservancy, and ensure the stability, reliablity and efficiency of the pump core components.

Cold extrusion spline shaft with good surface quality, high machining accuracy, at the same time improve the comprehensive mechanical properties of the shaft and the reliability of the pump

Model Instruction

BL (T) 32 - 2 - 2 - R - L

- L: 316 material (304 material is not marked)
- R:Hot water type(Cold-water is not marked)
- Number of small impellers
- Number of stages
- Rated flow(m^3/h)
- Some of the passage components are iron castings, be absent when all the flow passage components are made of stainless steel
- Type range

Overview Of The Product

BL(T) series stainless steel multi-stage centrifugal pump (afterwards called pump)boasts characters of high efficiency, low noise, steady operation, etc.The pump set adopts the non-self-priming vertical multi-stage structure, which makes a compact whole,its installation easy, its operation and maintenance convenient.

Application Limits

◎ Medium temperature: normal type:0℃ ~+68℃ hot water type:+68℃ ~120℃
◎ Ambient temperature:-15℃ ~ +40℃
◎ Advisable to use motor of higher power in case that the density or viscosity of medium is above that of water.
◎ pH: 5 to 9

Application Limits

Water supply	BL	BLT
Filtration and transfer at waterworks	●	●
Distribution from waterworks	●	●
Pressureboosting in mains	●	●
Pressure boosting in high-rise buildins,hotels,etc.	●	●
Pressure boosting for industrial water supply	●	●
Industry		
Pressure boosting	●	●
Process water systems	●	●
Washing and cleaning systems	●	●
Vehicle washing tunnels	●	●
Fire fighting systems	●	●
Liquid transfer		
Cooling and air-conditioning systems(refrigerants)	●	●
Boiler feed and condensate systems	●	●
Machine tools(cooling lubricants)	●	●
Aquafarming	●	●
Transfer		
Oil and alcohol	●	●
Glycol and coolants	●	●

Water treatment	BL	BLT
Ultra-filtration systems	●	○
Reverse osmosis systems	●	○
Softening, ionising, demineralizing systems	●	○
Distillation sys tems	●	○
Separators	●	○
Swimming baths	●	●
Irrigation		
Field irrigation(flooding)	●	●
Sprinkler irrigation	●	●
Drip-feed irrigation	●	●

Certificate

CE

Electric Motor

- Full-enclosed and ventilating two-pole standard motor
- Protection class: IP55
- Insulation class: F
- Standard voltage Single phase 220V-60Hz Three phase:380V-60Hz

Standard motor efficiency: IE2, Specific efficiency value for below table

Energy Efficiency Standard (IEC60034)

Power(kW)	Efficiency(2P, IE2)	Efficiency(2P,IE3)
0.75	77.4	80.7
1.1	79.6	82.7
1.5	81.3	84.2
2.2	83.2	85.9
3	84.6	87.1
4	85.8	88.1
5.5	87	89.2
7.5	88.1	90.1
11	89.4	91.2
15	90.3	91.9
18.5	90.9	92.4
22	91.3	92.7
30	92	93.3
37	92.5	93.7
45	92.9	94

Calculation Of minimum Inlet Pressure

If the pressure in pump is lower than the vapour pressure of medium, cavitation will occur, which will affect the performance of pump. To avoid the cavitation and ensure the pump inlet has a minimum pressure, maximum suction head should be calculated as following:

$$H = P_b \times 10.2 - NPSH - H_f - h_v - H_s$$

P_b : Atmospheric pressure, bar (In close pipeline system, it can be considered as the system pressure);
NPSH: Net positive suction head, m (Value at maximum flow of Q-NPSH curve);
H_f: Suction pipe line loss (Value at maximum flow of corresponding pipeline);
H_v: Medium vapour pressure, m (Medium vapour pressure at corresponding temperature, the default medium is water, as shown in figure4 on the right);
H_s: Safety margin, m, general value is 0.5.
Calculation result: if H is positive, the pump is installed in suction way, otherwise, it is installed in downdraft way.

Note: It is not necessary to do above calculation under general conditions. Only when we use pump in the following situations do we need to calculate the H:

- **Medium temperature is high;**
- **The velocity of flow is larger than rated value;**
- **Suction head is big or inlet pipeline is long;**
- **System pressure is small;**
- **Inlet condition is bad.**

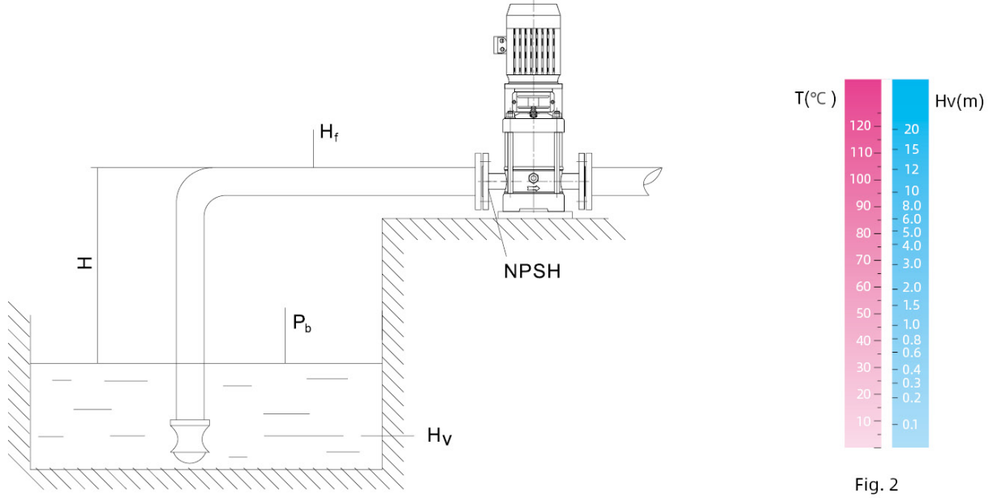


Fig. 2

Selection Of Pumps

- **Duty point of the pump.**
- **Dimensional data such as pressure loss as aresult of height differences,friction loss in the pipework,**
- **Pump efficiency etc.**
- **Pump materials**
- **Pump connections**
- **Commonly used mechanical seal configuration tables**

■ Duty point of the pump:

From a duty point it is possible to select a pump on the basis of the curve charts shown in "performance curves/technical" data.

■ Dimensional data:

When sizing a pump the following must be taken into accounting:

- **Required flow and pressure at the draw-off point.**
- **Pressure loss as a result of height differences.**
- **Friction loss in the pipework(Hf) (Refer to Fig.1) It may.**
- **Best efficiency at the estimated duty point.**
- **NPSH value.**
- **For calculation of the NPSH value, see corresponding curves chart.**

■ Pump efficiency:

Before determining the best efficiency point, the operation pattern of the pump needs to be identified. If the pump expected to operate as the same duty point, then select a BL pump which is operating at a duty point corresponding with the best efficiency of the pump.
As the pump is sized on the basis of the highest possible flow, it is important always to have the duty point to the right on the efficiency curve(eta) in order to keep efficiency high when the flow drops.

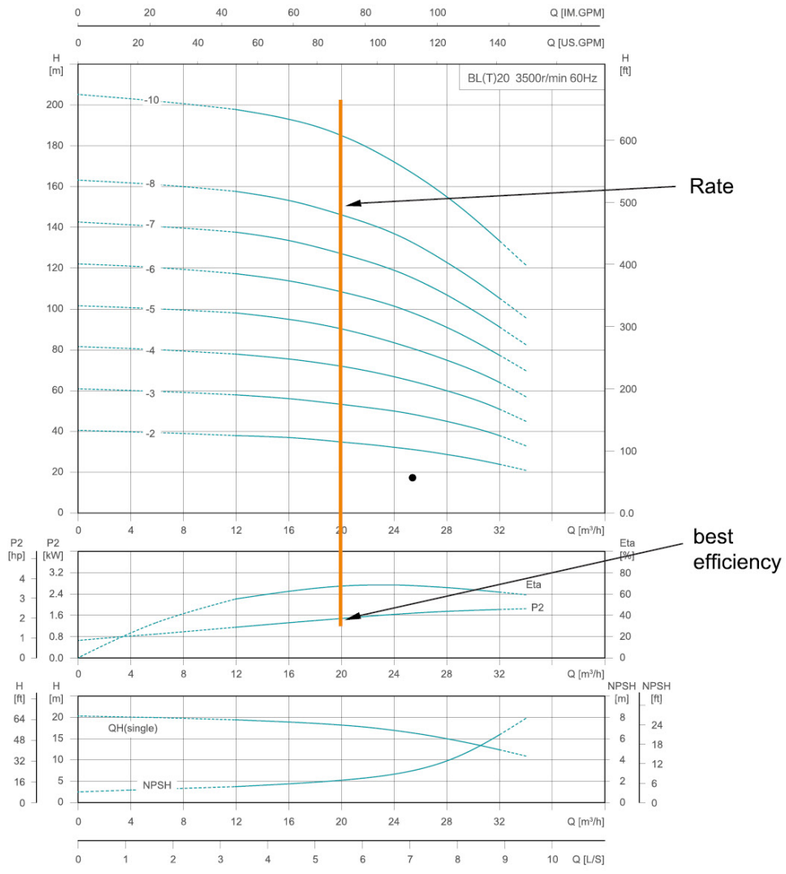


Fig. 3

■ Pump material:

The material variant should be selected based of the liquid to be pump.
BL wetted parts are made of AISI304
BLT pump body is made of cast-iron and .
Wetted parts are made of AISI304.

■ Pump connections:

Selection of pump connection depend on the rated pressure and pipe work. the pump offer a wide range of ftexible connection such as:
•Pipe thread
•Oval flange
•DIN flange
•Other connections on reguest

Maximum Work Pressure

Model	Curve No.
BL(T)2,4	2
BL(T)8,12,16,20	3
BL(T)32-2-2~BL(T)32-7	1
BL(T)32-8-2~BL(T)32-12	4
BL(T)32-13~BL(T)32-15-2	5
BL(T)45-2-2~BL(T)45-6	1
BL(T)45-7-2~BL(T)45-9	4
BL(T)45-10-2~BL(T)45-13-2	5
BL(T)64-2-2~BL(T)64-5-2	1
BL(T)64-5-1~BL(T)64-8	4
BL(T)90-2-2~BL(T)90-4-2	1
BL(T)90-4~BL(T)90-6	4

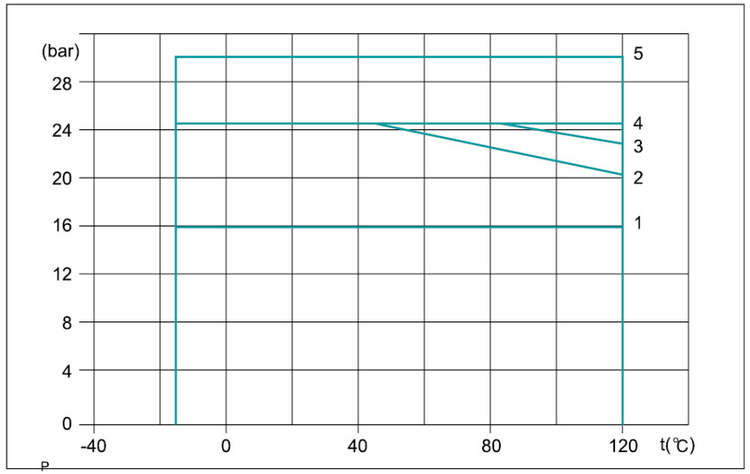
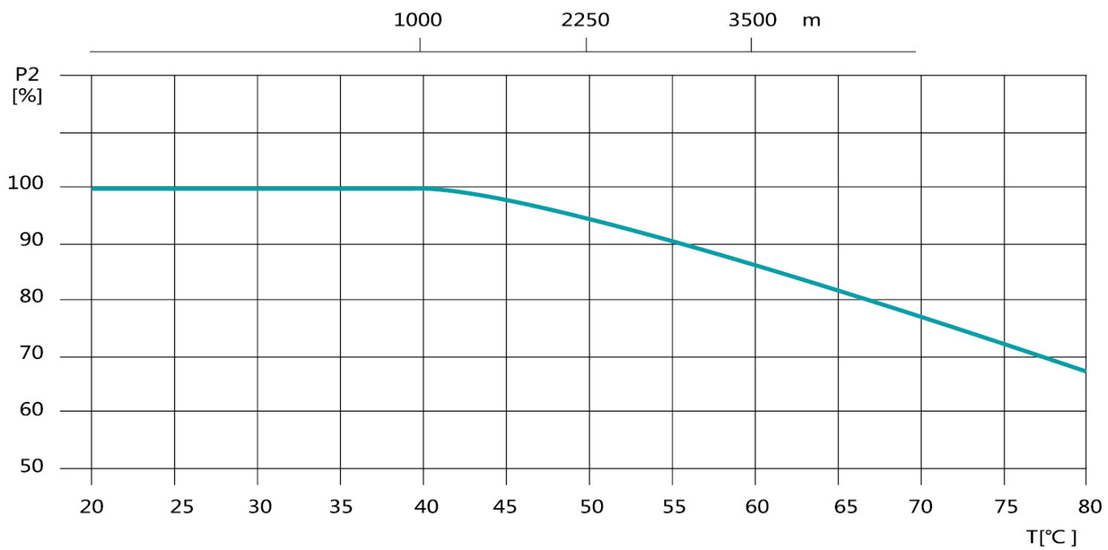


Fig. 4

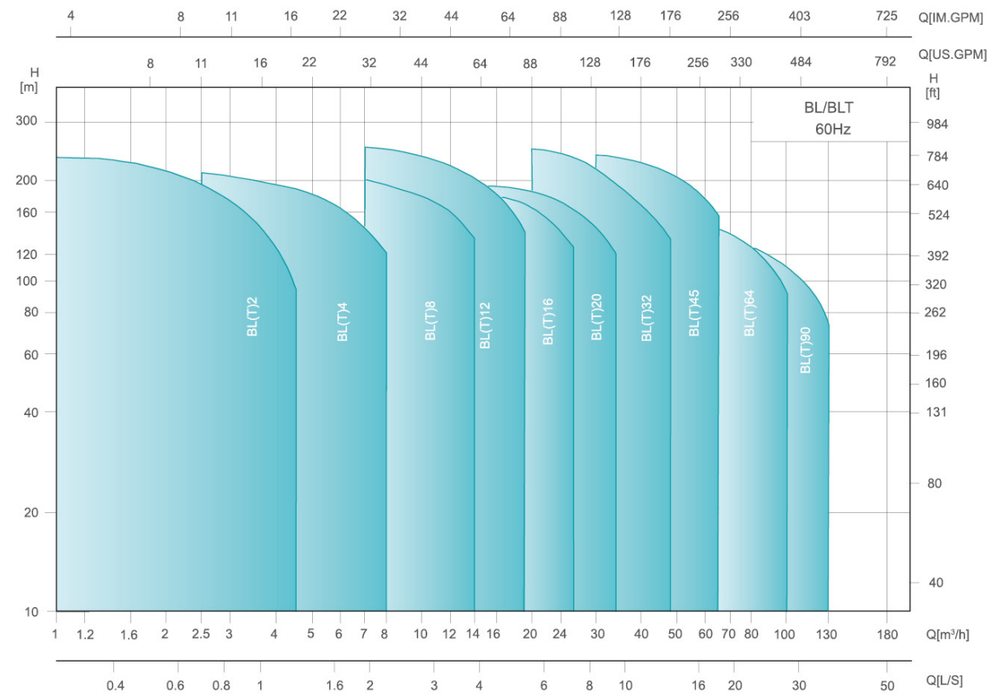
The limits of pressure and temperature are shown in the following fig.4,the pressure and temperature must be in the shown in the fig. 4.

Maximum Ambient Temperature

When the pump is operating in the place where ambient temperature is higher than 40℃ or altitude is higher than 1000m,the output power of motor P2 will decrease because of poor cooling caused by low air density.Therefore,in that case,the pump should be equipped with high-power motor.

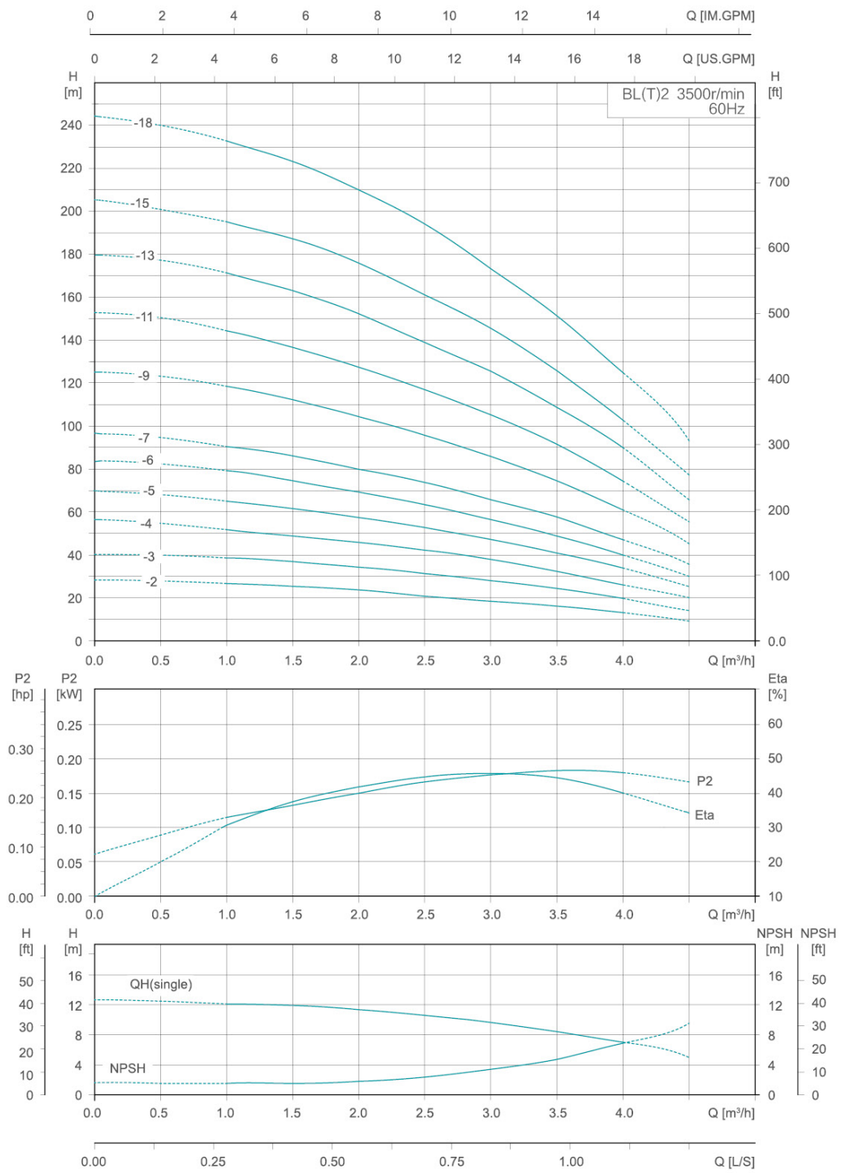


Performance Range



Model	BL(T)2	BL(T)4	BL(T)8	BL(T)12	BL(T)16	BL(T)20	BL(T)32	BL(T)45	BL(T)64	BL(T)90
Rated Flow (m³/h)	2	4	8	12	16	20	32	45	64	90
Flow Range (m³/h)	1~4	2.5~7	7~13	7~17	10~24	12~32	20~44	30~60	40~90	60~120
Max.Pressure (bar)	23	21	20	25	20	20	25	26	18	15
Motor Power (kW)	0.55~4	0.75~5.5	1.5~11	2.2~15	4~18.5	4~18.5	5.5~30	11~45	15~45	18.5~45
Max.Efficiency (%)	45	57	62	63	66	69	73	75	76	77
DIN Flange	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100
Pipe Thread	$R_2$1¼	$R_2$1¼	R_c2	R_c2	R_c2	R_c2				
Oval flange	G1orG1 ¼	G1orG1 ¼								

Performance Curve - BL(T)2

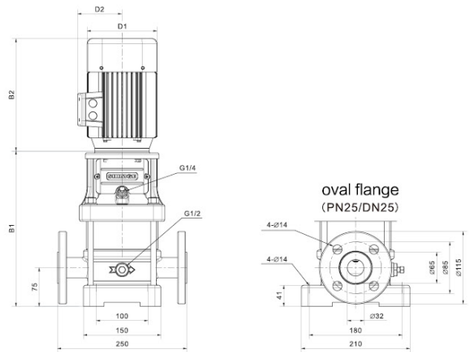


Performance Table

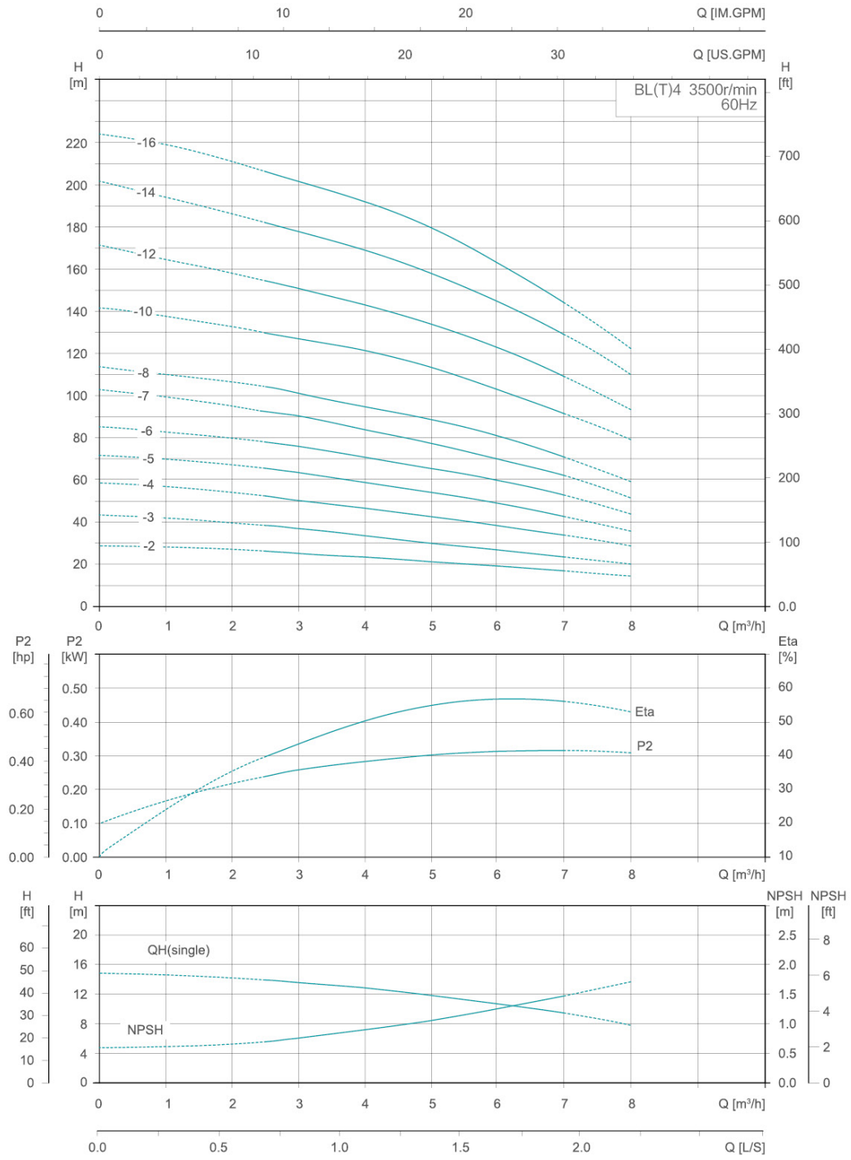
Model	Power		Q (m³/h)	1	1.5	2	2.5	3	3.5	4	Head Range (m)
	kW	HP									
BL(T)2-2	0.55	0.75		26	24	22	21	18	16	12	26~12
BL(T)2-3	0.75	1		39	36	33	31	27	24	19	39~19
BL(T)2-4	1.1	1.5		52	48	45	42	36	32	26	52~26
BL(T)2-5	1.1	1.5		65	60	57	52	46	41	32	65~32
BL(T)2-6	1.1	1.5		78	74	69	63	56	49	40	78~40
BL(T)2-7	1.5	2	H(m)	91	86	81	74	66	57	47	91~47
BL(T)2-9	2.2	3		117	111	104	95	86	75	61	117~61
BL(T)2-11	2.2	3		143	136	128	116	104	90	75	143~75
BL(T)2-13	3	4		171	163	152	139	126	108	90	171~90
BL(T)2-15	3	4		195	186	176	160	142	125	103	195~103
BL(T)2-18	4	5.5		234	228	212	195	171	151	126	234~126

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)2-2	274/277	228	502/505	140	103
BL(T)2-3	284/287	235	519/522	161	112
BL(T)2-4	302/305	235	537/540	161	112
BL(T)2-5	320/323	235	555/558	161	112
BL(T)2-6	338/341	235	573/576	161	112
BL(T)2-7	366/369	280	646/649	168	114
BL(T)2-9	402/405	280	682/685	168	114
BL(T)2-11	438/441	280	718/721	168	114
BL(T)2-13	484/487	307	791/794	194	132
BL(T)2-15	520/523	307	827/830	194	132
BL(T)2-18	574/577	355	929/932	215	138



Performance Curve - BL(T) 4

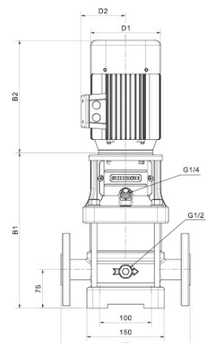


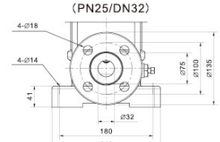
Performance Table

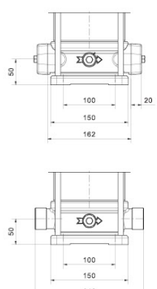
Model	Power		Q (m³/h)	2.5	3	4	5	6	7	Head Range (m)
	kW	HP								
BL(T)4-2	0.75	1		26	25	23	21	19	16	26~16
BL(T)4-3	1.1	1.5		39	38	36	32	28	24	39~24
BL(T)4-4	1.5	2		52	50	48	44	38	35	52~35
BL(T)4-5	2.2	3		65	62	60	55	49	44	65~44
BL(T)4-6	2.2	3		78	75	72	67	59	54	78~54
BL(T)4-7	3	4	H(m)	92	88	84	78	69	62	92~62
BL(T)4-8	3	4		104	100	95	90	79	72	104~72
BL(T)4-10	4	5.5		130	125	120	113	102	90	130~90
BL(T)4-12	4	5.5		156	150	145	136	122	109	156~109
BL(T)4-14	5.5	7.5		182	176	170	159	145	129	182~29
BL(T)4-16	5.5	7.5		207	201	196	183	165	146	207~146

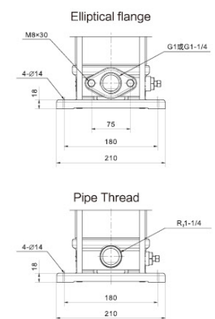
Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)4-2	284/287	235	519/522	161	112
BL(T)4-3	311/314	235	546/549	161	112
BL(T)4-4	348/351	280	628/631	168	114
BL(T)4-5	375/378	280	655/658	168	114
BL(T)4-6	402/405	280	682/685	168	114
BL(T)4-7	439/442	307	746/749	194	132
BL(T)4-8	466/469	307	773/776	194	132
BL(T)4-10	520/523	355	875/878	215	138
BL(T)4-12	574/577	355	929/932	215	138
BL(T)4-14	653/656	430	1083/1086	260	160
BL(T)4-16	707/710	430	1137/1140	260	160

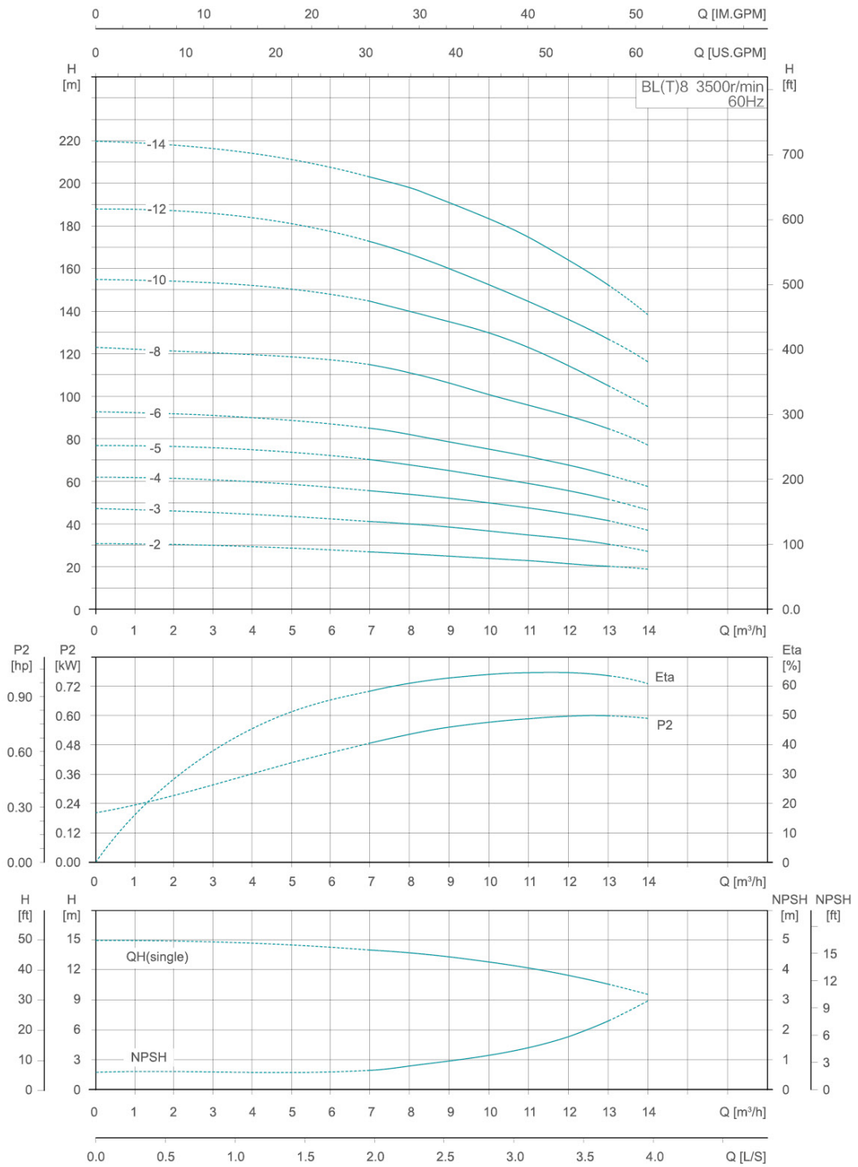








Performance Curve - BL(T) 8

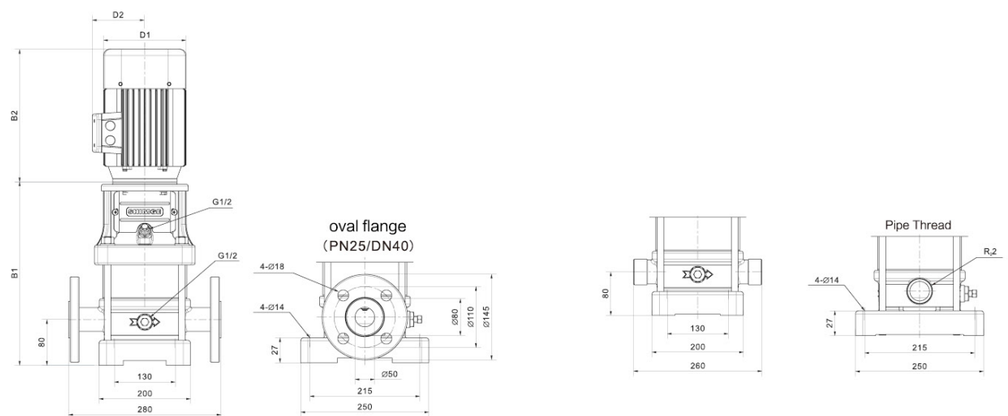


Performance Table

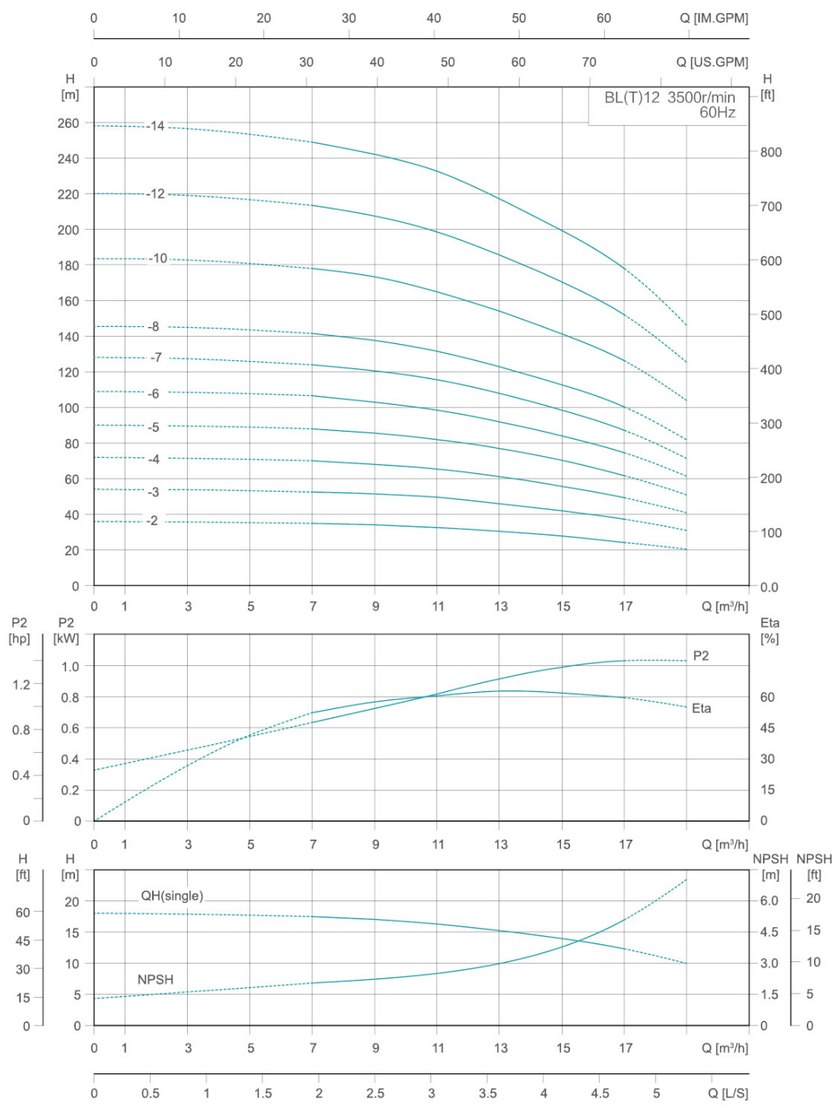
Model	Power		Q (m³/h)	7	8	9	10	11	12	13	Head Range (m)
	kW	HP									
BL(T)8-2	1.5	2	H(m)	27	26	25	24	23	22	20	27~20
BL(T)8-3	2.2	3		41	40	38	37	35	33	30	41~30
BL(T)8-4	3	4		55	54	52	50	47	45	41	55~41
BL(T)8-5	3	4		70	68	65	63	59	56	52	70~52
BL(T)8-6	4	5.5		85	82	78	76	72	68	62	85~62
BL(T)8-8	5.5	7.5		115	110	105	101	97	91	84	115~84
BL(T)8-10	7.5	10		145	140	132	126	122	115	105	145~105
BL(T)8-11	7.5	10		159	153	146	139	134	123	115	159~115
BL(T)8-12	7.5	10		173	167	160	152	147	132	125	173~125
BL(T)8-14	11	15		202	195	188	179	174	163	147	202~147

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)8-2	367/379	280	647/659	168	114
BL(T)8-3	399/411	280	679/691	168	114
BL(T)8-4	441/453	307	748/760	194	132
BL(T)8-5	473/485	307	780/792	194	132
BL(T)8-6	505/517	355	860/872	215	138
BL(T)8-8	593/605	430	1023/1035	260	160
BL(T)8-10	657/669	430	1087/1099	260	160
BL(T)8-11	689/701	430	1119/1131	260	160
BL(T)8-12	721/733	430	1151/1163	260	160
BL(T)8-14	816/828	498	1314/1326	314	250



Performance Curve - BL(T) 12

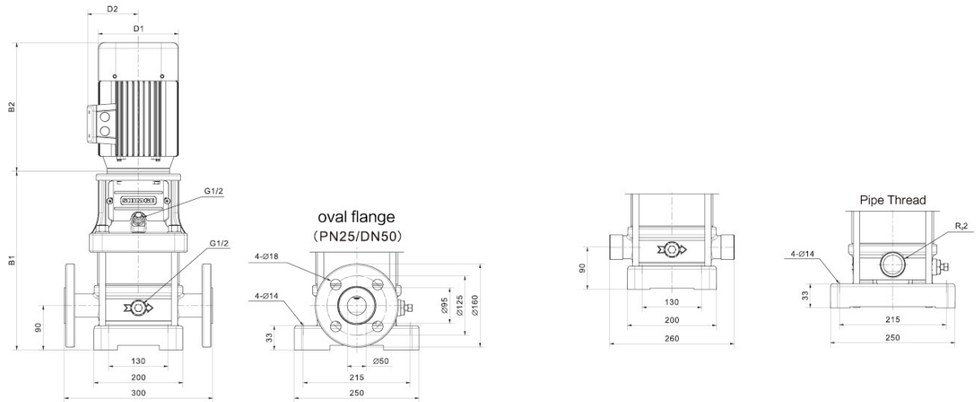


Performance Table

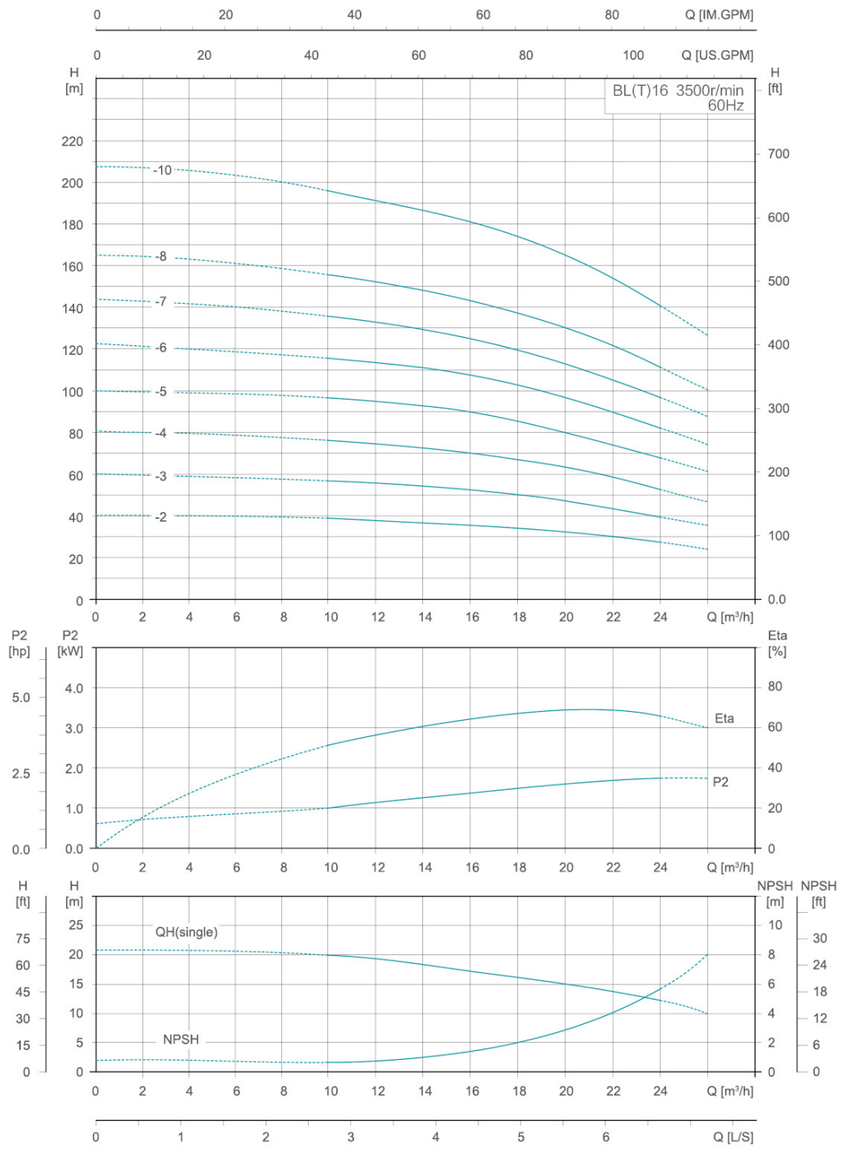
Model	Power		Q (m³/h)	7	9	11	12	13	15	17	Head Range (m)
	kW	HP									
BL(T)12-2	2.2	3		35	34	32.5	32	30	27	24	35~24
BL(T)12-3	4	5.5		52	51	50	48	46	41	37	52~37
BL(T)12-4	5.5	7.5		70	68	65	64	61	55	49	70~49
BL(T)12-5	5.5	7.5		88	86	82	80	77	70	62	88~62
BL(T)12-6	7.5	10		107	103	99	96	92	84	75	107~75
BL(T)12-7	7.5	10	H(m)	124	121	116	112	107	97	88	124~88
BL(T)12-8	11	15		141	137	132	128	122	111	101	141~101
BL(T)12-9	11	15		158	153	148	145	137	125	114	158~114
BL(T)12-10	11	15		178	173	166	161	153	140	128	178~128
BL(T)12-12	15	20		213	208	199	193	185	169	154	213~154
BL(T)12-14	15	20		249	242	233	225	216	198	180	249~180

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)12-2	377/389	280	657/669	168	114
BL(T)12-3	419/431	355	774/786	215	138
BL(T)12-4	475/487	430	905/917	260	160
BL(T)12-5	507/519	430	937/949	260	160
BL(T)12-6	539/551	430	969/981	260	160
BL(T)12-7	571/583	430	1001/1013	260	160
BL(T)12-8	634/646	498	1132/1144	314	250
BL(T)12-9	666/678	498	1164/1176	314	250
BL(T)12-10	698/710	498	1196/1208	314	250
BL(T)12-12	762/774	498	1260/1272	314	250
BL(T)12-14	826/838	498	1324/1336	314	250



Performance Curve - BL(T) 16

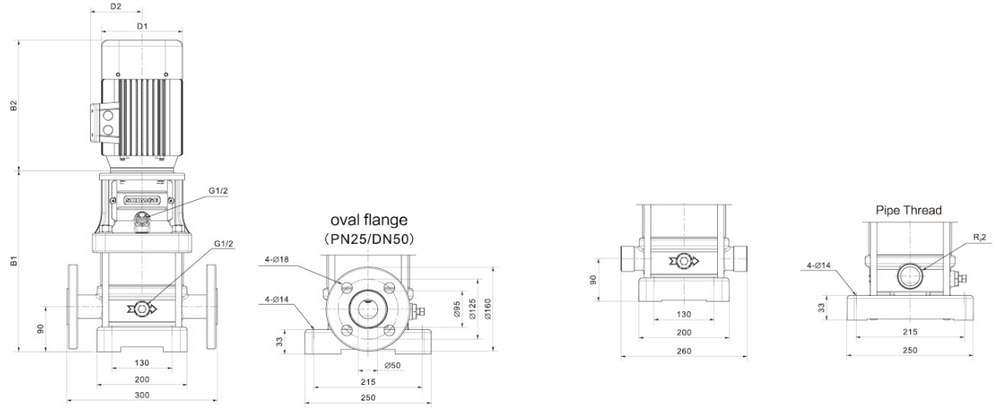


Performance Table

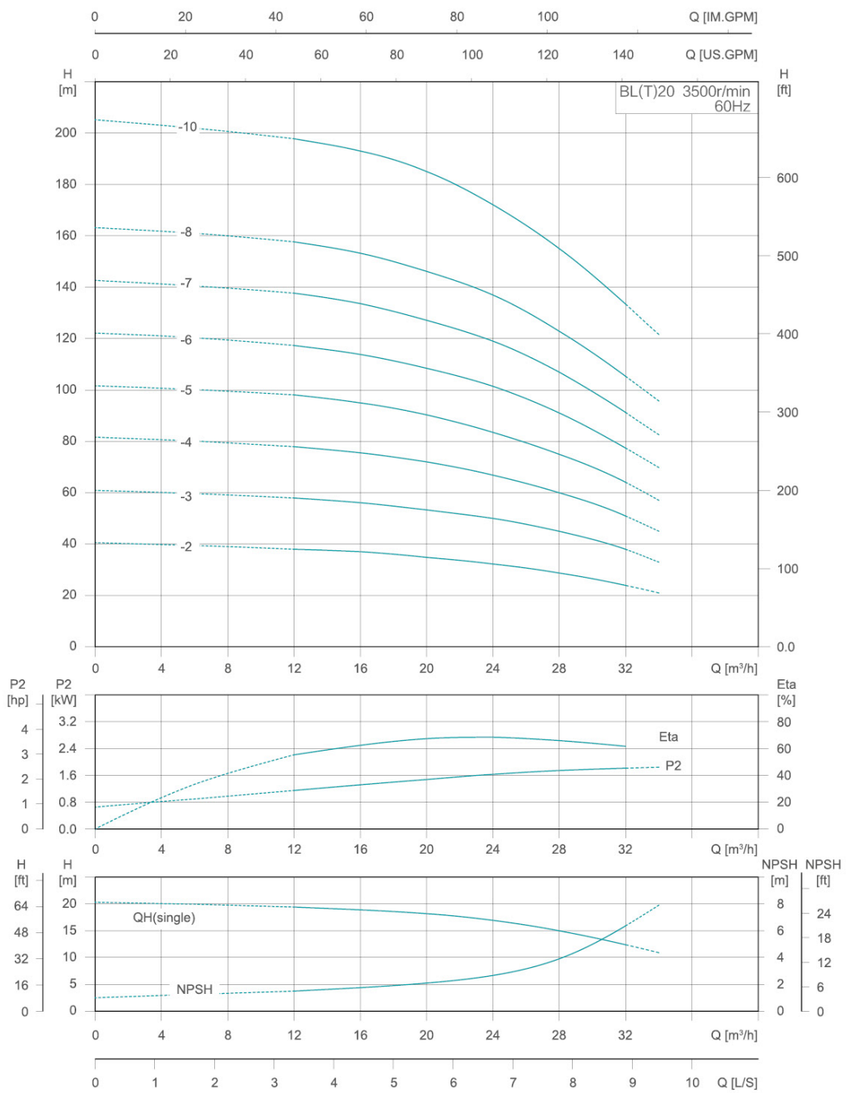
Model	Power		Q (m³/h)	10	12	14	16	18	20	22	24	Head Range (m)
	kW	HP										
BL(T)16-2	4	5.5	H(m)	38	37	36	35	34	32	30	27	38~27
BL(T)16-3	5.5	7.5		57	56	55	54	51	48	45	40	57~40
BL(T)16-4	7.5	10		76	75	73	72	68	64	60	54	76~54
BL(T)16-5	11	15		96	94	92	90	85	80	75	68	96~68
BL(T)16-6	11	15		115	113	111	108	102	96	91	82	115~82
BL(T)16-7	15	20		135	132	129	126	119	113	106	96	135~96
BL(T)16-8	15	20		155	152	148	144	137	130	122	111	155~111
BL(T)16-10	18.5	25		197	192	187	181	174	165	153	141	197~141

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)16-2	413/425	355	768/780	215	138
BL(T)16-3	482/494	430	912/924	260	160
BL(T)16-4	527/539	430	957/969	260	160
BL(T)16-5	603/615	498	1101/1113	314	250
BL(T)16-6	648/660	498	1146/1158	314	250
BL(T)16-7	693/705	498	1191/1203	314	250
BL(T)16-8	738/750	498	1236/1248	314	250
BL(T)16-10	828/840	542	1370/1382	314	250



Performance Curve - BL(T) 20

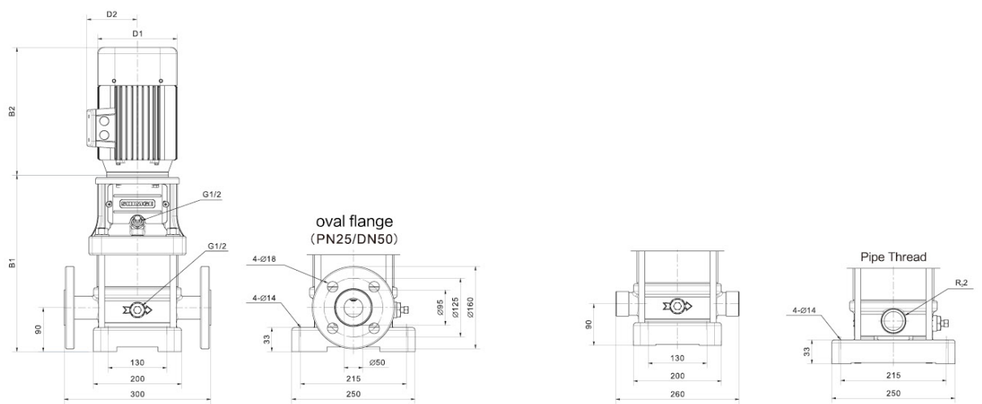


Performance Table

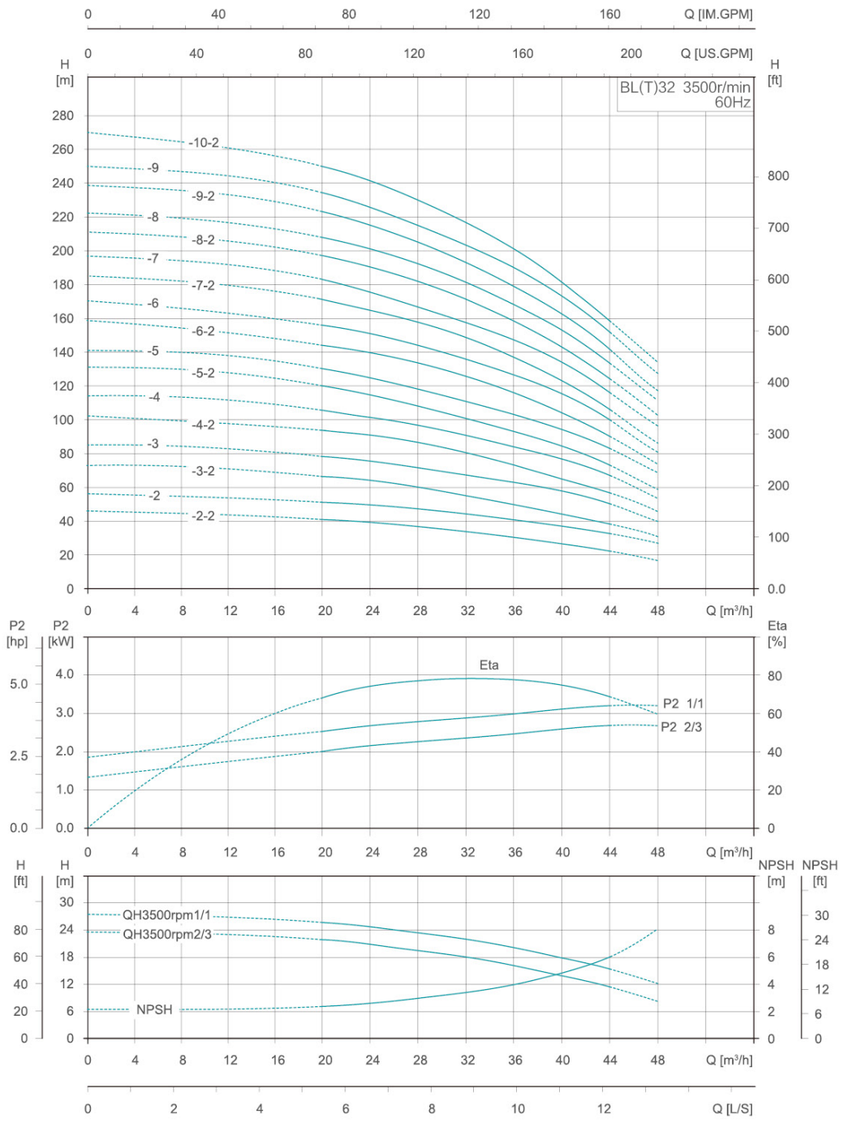
Model	Power		Q (m³/h)	12	16	20	24	28	32	Head Range (m)
	kW	HP								
BL(T)20-2	4	5.5	H(m)	38	37	35	32	29	24	38~24
BL(T)20-3	5.5	7.5		58	56	53	50	45	38	58~38
BL(T)20-4	7.5	10		78	75	72	67	60	51	78~51
BL(T)20-5	11	15		98	94	90	85	75	64	98~64
BL(T)20-6	11	15		118	113	108	102	91	77	118~77
BL(T)20-7	15	20		138	133	127	119	107	91	138~91
BL(T)20-8	15	20		158	153	146	137	123	105	158~105
BL(T)20-10	18.5	25		198	193	185	172	155	133	198~133

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)20-2	413/425	355	768/780	215	138
BL(T)20-3	482/494	430	912/924	260	160
BL(T)20-4	527/539	430	957/969	260	160
BL(T)20-5	603/615	498	1101/1113	314	250
BL(T)20-6	648/660	498	1146/1158	314	250
BL(T)20-7	693/705	498	1191/1203	314	250
BL(T)20-8	738/750	498	1236/1248	314	250
BL(T)20-10	828/840	542	1370/1382	314	250



Performance Curve - BL(T) 32

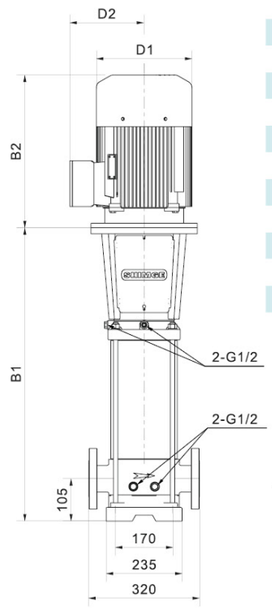


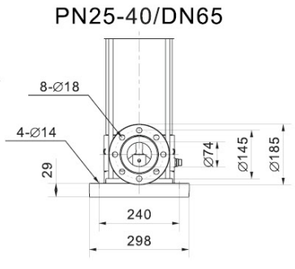
Performance Table

Model	Power		Q (m^3/h)	20	24	28	32	36	40	44	Head Range (m)
	kW	HP									
BL(T)32-2-2	5.5	7.5		41	40	38	35	31	27	22	41~22
BL(T)32-2	7.5	10		52	50	48	45	41	37	33	52~33
BL(T)32-3-2	7.5	10		67	64	61	57	52	46	39	67~39
BL(T)32-3	11	15		78	75	71	67	62	56	50	78~50
BL(T)32-4-2	11	15		94	91	87	81	73	65	56	94~56
BL(T)32-4	15	20		104	101	96	91	83	75	66	104~66
BL(T)32-5-2	15	20		119	115	109	102	94	84	73	119~73
BL(T)32-5	18.5	25		130	125	119	112	104	94	83	130~83
BL(T)32-6-2	18.5	25	H(m)	145	140	134	126	116	104	90	145~90
BL(T)32-6	18.5	25		155	150	144	136	126	114	100	155~100
BL(T)32-7-2	22	30		172	160	158	149	137	123	106	172~106
BL(T)32-7	22	30		182	176	168	159	148	133	118	182~118
BL(T)32-8-2	22	30		196	190	182	172	159	143	124	196~124
BL(T)32-8	30	40		208	201	192	181	167	152	132	208~132
BL(T)32-9-2	30	40		223	216	206	194	179	162	142	223~142
BL(T)32-9	30	40		234	226	216	204	189	172	152	234~152
BL(T)32-10-2	30	40		248	241	231	217	201	181	159	248~159

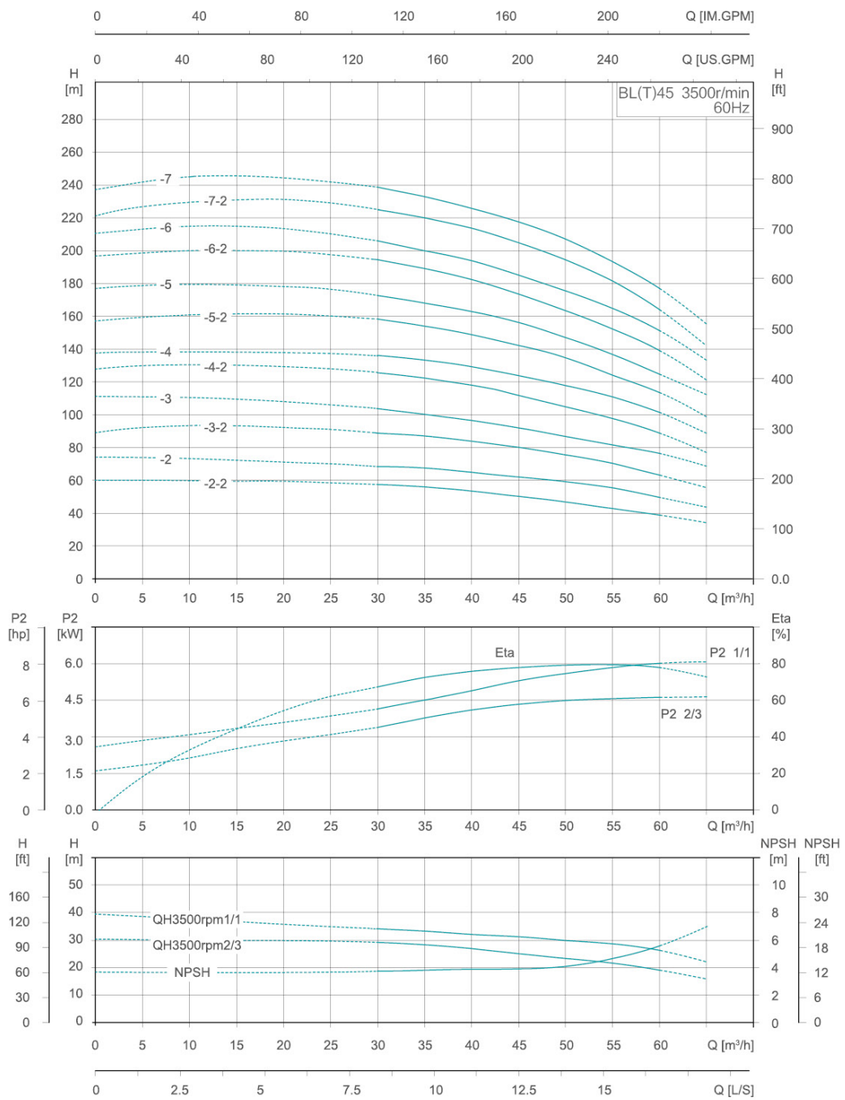
Dimensions

Model	Dim.(mm)				
	B1	B2	B1+B2	D1	D2
BL(T)32-2-2	652/652	430	1082/1082	260	160
BL(T)32-2	652/652	430	1082/1082	260	160
BL(T)32-3-2	722/722	430	1152/1152	260	160
BL(T)32-3	752/752	498	1250/1250	314	250
BL(T)32-4-2	822/822	498	1320/1320	314	250
BL(T)32-4	822/822	498	1320/1320	314	250
BL(T)32-5-2	892/892	498	1390/1390	314	250
BL(T)32-5	892/892	542	1434/1434	314	250
BL(T)32-6-2	962/962	542	1504/1504	314	250
BL(T)32-6	962/962	542	1504/1504	314	250
BL(T)32-7-2	1032/1032	578	1610/1610	355	268
BL(T)32-7	1032/1032	578	1610/1610	355	268
BL(T)32-8-2	1102/1102	578	1680/1680	355	268
BL(T)32-8	1102/1102	650	1752/1752	397	305
BL(T)32-9-2	1172/1172	650	1822/1822	397	305
BL(T)32-9	1172/1172	650	1822/1822	397	305
BL(T)32-10-2	1242/1242	650	1892/1892	397	305





Performance Curve - BL(T) 45

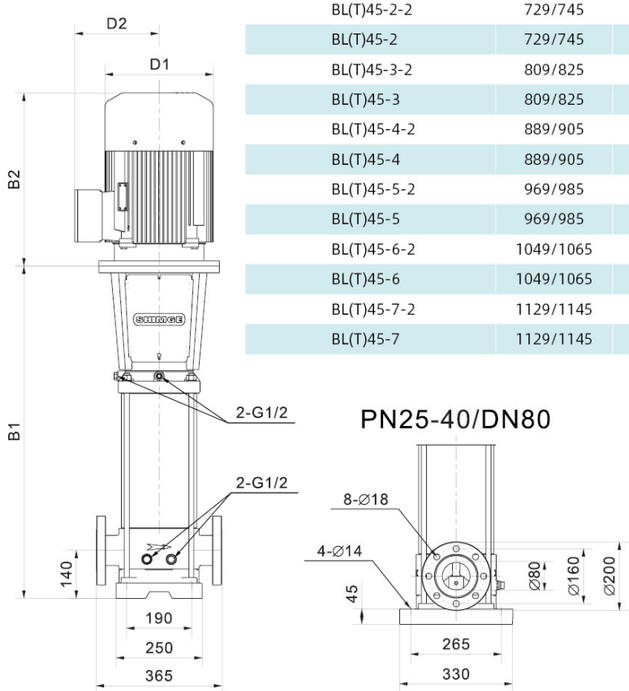


Performance Table

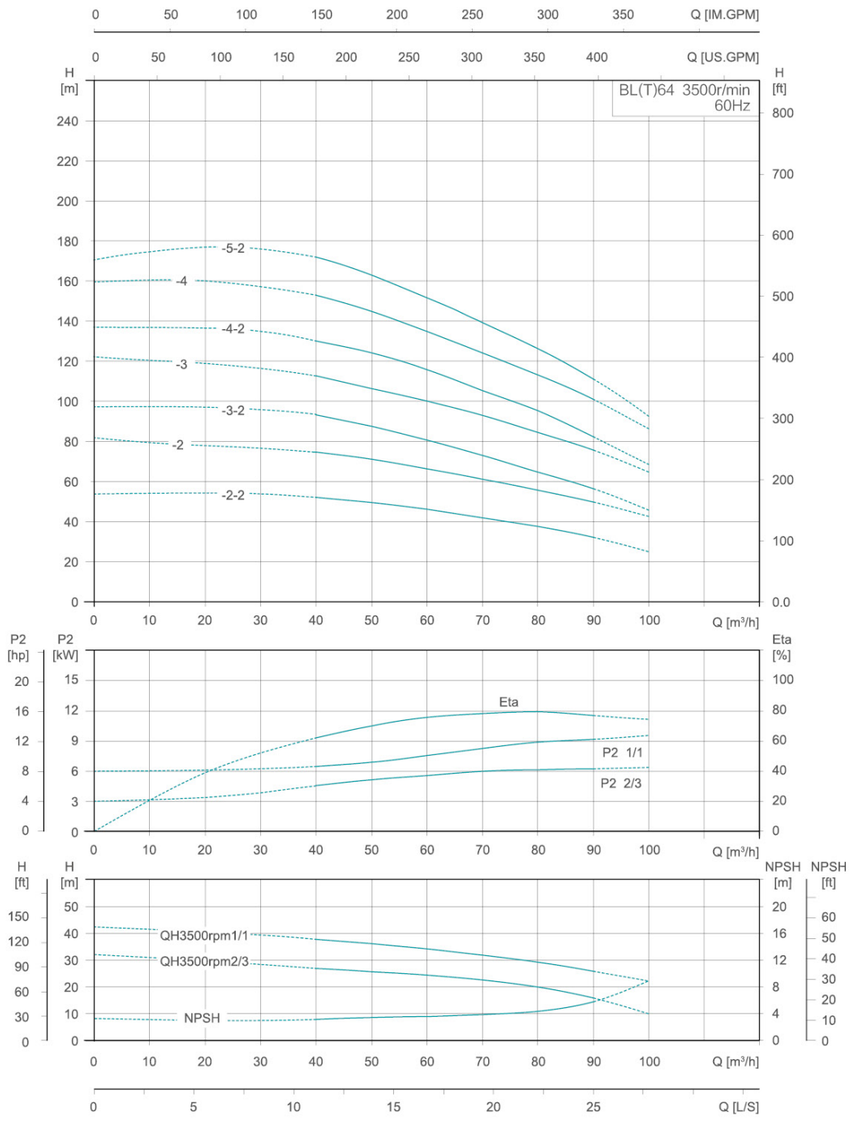
Model	Power		Q (m³/h)	30	35	40	45	50	55	60	Head Range (m)
	kW	HP									
BL(T)45-2-2	11	15	H(m)	57	55	53	49	46	43	38	57~38
BL(T)45-2	15	20		69	67	65	60	58	55	50	69~50
BL(T)45-3-2	18.5	25		90	88	85	80	75	72	63	90~63
BL(T)45-3	18.5	25		102	100	97	90	88	82	76	102~76
BL(T)45-4-2	22	30		125	121	118	112	105	98	89	125~89
BL(T)45-4	30	40		136	133	129	121	117	112	102	136~102
BL(T)45-5-2	30	40		159	154	149	142	134	121	115	159~115
BL(T)45-5	30	40		171	166	161	152	145	138	126	171~126
BL(T)45-6-2	37	50		194	188	182	173	163	155	139	194~139
BL(T)45-6	37	50		205	200	193	185	176	166	152	205~152
BL(T)45-7-2	45	60		227	220	213	205	193	182	165	227~165
BL(T)45-7	45	60		239	232	226	215	204	194	178	239~178

Dimensions

Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)45-2-2	729/745	498	1227/1243	314	250
BL(T)45-2	729/745	498	1227/1243	314	250
BL(T)45-3-2	809/825	542	1351/1367	314	250
BL(T)45-3	809/825	542	1351/1367	314	250
BL(T)45-4-2	889/905	578	1467/1483	355	268
BL(T)45-4	889/905	650	1539/1555	397	305
BL(T)45-5-2	969/985	650	1619/1635	397	305
BL(T)45-5	969/985	650	1619/1635	397	305
BL(T)45-6-2	1049/1065	650	1699/1715	397	305
BL(T)45-6	1049/1065	650	1699/1715	397	305
BL(T)45-7-2	1129/1145	692	1821/1837	446	330
BL(T)45-7	1129/1145	692	1821/1837	446	330



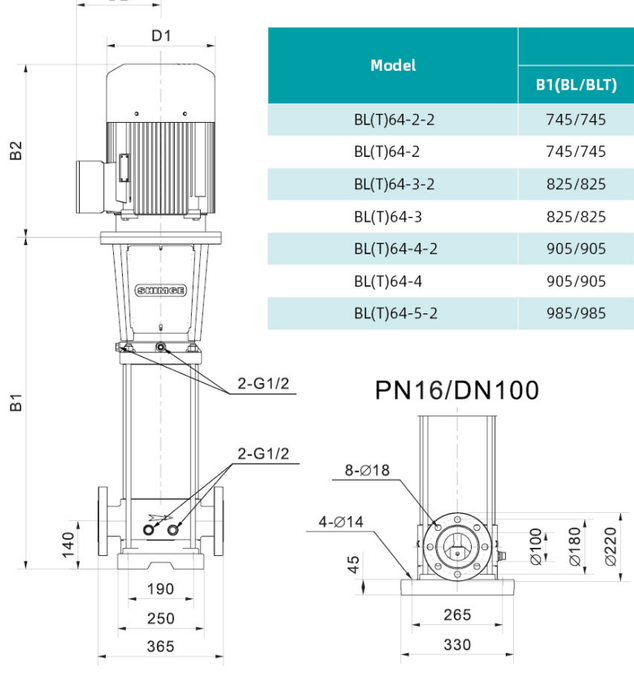
Performance Curve - BL(T) 64



Performance Table

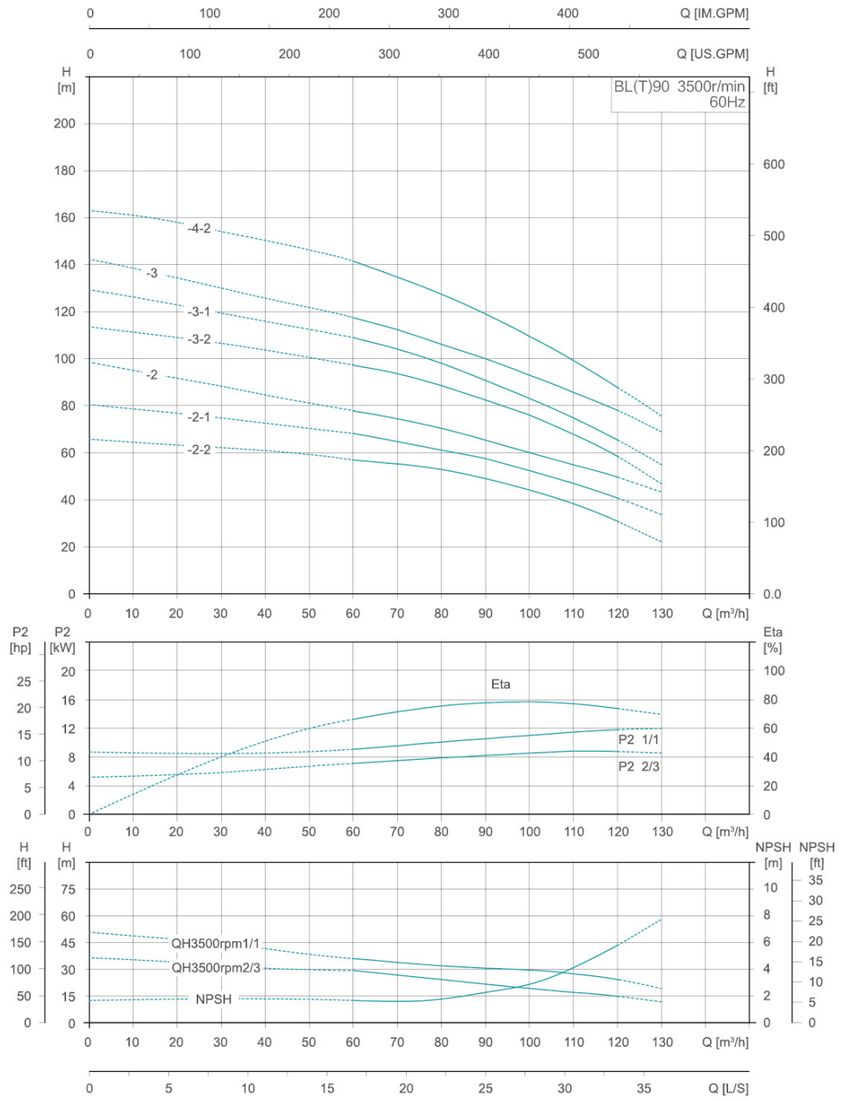
Model	Power		Q (m³/h)	40	50	60	64	70	80	90	Head Range (m)
	kW	HP									
BL(T)64-2-2	15	20	H(m)	53	50	47	44	42	37	31	53~31
BL(T)64-2	22	30		74	72	68	64	62	57	51	74~51
BL(T)64-3-2	22	30		93	88	80	76	72	65	56	93~56
BL(T)64-3	30	40		112	108	101	96	93	86	77	112~77
BL(T)64-4-2	37	50		130	124	115	110	103	94	83	130~83
BL(T)64-4	45	60		152	144	136	130	124	114	102	152~102
BL(T)64-5-2	45	60		172	162	151	144	137	126	112	172~112

Dimensions



Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)64-2-2	745/745	498	1243/1243	314	250
BL(T)64-2	745/745	578	1323/1323	355	268
BL(T)64-3-2	825/825	578	1403/1403	355	268
BL(T)64-3	825/825	650	1475/1475	397	305
BL(T)64-4-2	905/905	650	1555/1555	397	305
BL(T)64-4	905/905	692	1597/1597	446	330
BL(T)64-5-2	985/985	692	1677/1677	446	330

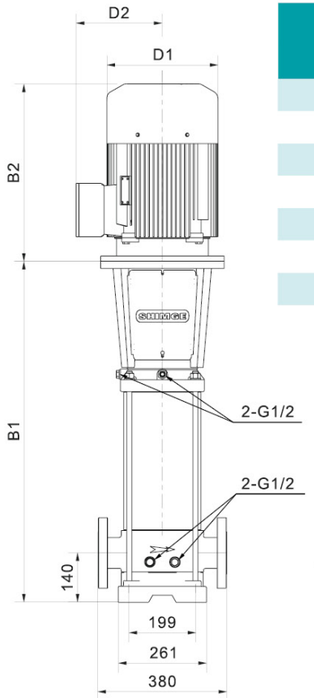
Performance Curve - BL(T) 90



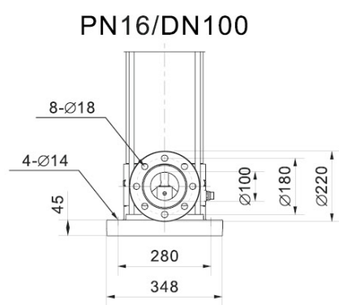
Performance Table

Model	Power		Q (m^3/h)	60	70	80	90	100	110	120	Head Range (m)
	kW	HP									
BL(T)90-2-2	18.5	25		59	57	54	48	44	39	32	59~32
BL(T)90-2-1	22	30		67	65	62	57	51	47	41	67~41
BL(T)90-2	30	40		76	73	69	64	60	56	52	76~52
BL(T)90-3-2	37	50	H(m)	98	94	88	82	75	69	59	98~59
BL(T)90-3-1	37	50		108	104	98	90	83	78	69	108~69
BL(T)90-3	45	60		116	111	105	97	93	87	79	116~79
BL(T)90-4-2	45	60		141	135	128	118	109	102	89	141~89

Dimensions

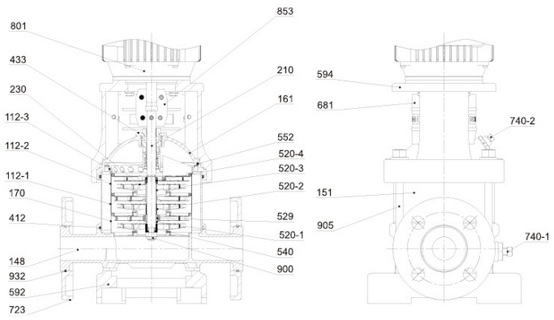


Model	Dim.(mm)				
	B1(BL/BLT)	B2	B1+B2(BL/BLT)	D1	D2
BL(T)90-2-2	770/770	542	1312/1312	314	250
BL(T)90-2-1	770/770	578	1348/1348	355	268
BL(T)90-2	770/770	650	1420/1420	397	305
BL(T)90-3-2	862/862	650	1512/1512	397	305
BL(T)90-3-1	862/862	650	1512/1512	397	305
BL(T)90-3	862/862	692	1554/1554	446	330
BL(T)90-4-2	954/954	692	1646/1646	446	330



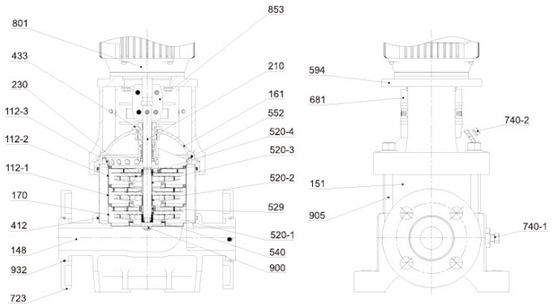
Components & Materials

BL2 BL4



S.N.	Part Name	Material
112-1	With bearing deflector	304
112-2	Deflector	304
112-3	Outlet deflector	304
148	Pump seat	304
151	Outer cylinder	304
161	Spherical liner	304
170	Inlet deflector	304
210	Spline shaft	304
230	Impeller	304
412	O-ring	NBR
433	Mechanical seal	Assembly
520-1	Short round sleeve II	304
520-2	Short round sleeve I	304
520-3	Long round sleeve	304
520-4	Stop sleeve	304
529	Bearing inner ring	YN20
540	Bushing	304
552	Wave spring	304
592	Base	HT200
594	Motor base	HT200
681	Protective film	304
723	Movable flange	ZG230-450
740-1	Water discharge and pressure regulating assembly	304
740-2	Air release valve	304
801	Motor	/
853	Coupling	F0212J
900	Type I non-metallic insert hexagon lock nut	304
905	Pull rod	45#
932	Wire retainer	304

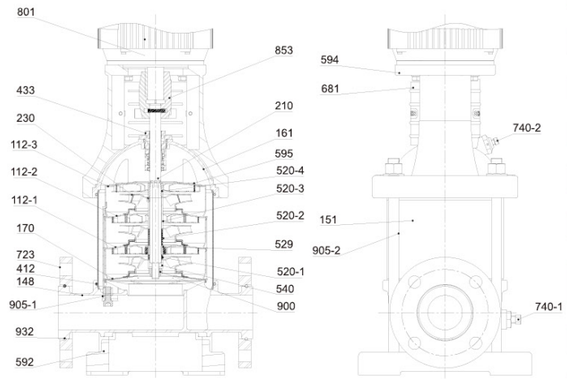
BLT2 BLT4



S.N.	Part Name	Material
112-1	With bearing deflector	304
112-2	Deflector	304
112-3	Outlet deflector	304
148	Pump seat	HT200
151	Outer cylinder	304
161	Spherical liner	QT450-10
170	Inlet deflector	304
210	Spline shaft	304
230	Impeller	304
412	O-ring	NBR
433	Mechanical seal	Assembly
520-1	Short round sleeve II	304
520-2	Short round sleeve I	304
520-3	Long round sleeve	304
520-4	Stop sleeve	304
529	Bearing inner ring	YN20
540	Bushing	304
552	Wave spring	304
594	Motor base	HT200
681	Protective film	304
723	Movable flange	ZG230-450
740-1	Water discharge and pressure regulating assembly	304
740-2	Air release valve	304
801	Motor	/
853	Coupling	F0212J
900	Type I non-metallic insert hexagon lock nut	304
905	Pull rod	45#
932	Wire retainer	304

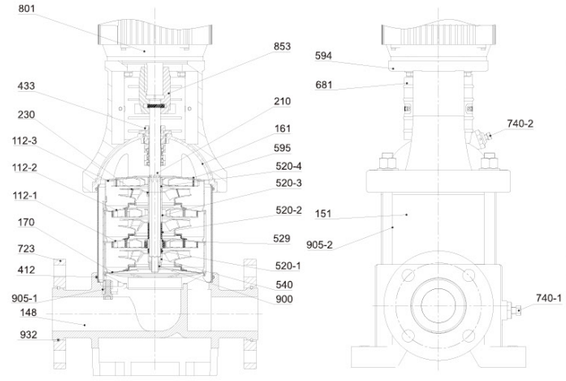
Components & Materials

BL8 BL12 BL16 BL20



S.N.	Part Name	Material
112-1	With bearing deflector	304
112-2	Deflector	304
112-3	Outlet deflector	304
148	Pump seat	304
151	Outer cylinder	304
161	Spherical liner	304
170	Inlet deflector	304
210	Spline shaft	304
230	Impeller	304
412	O-ring	NBR
433	Mechanical seal	Assembly
520-1	Short round sleeve II	304
520-2	Short round sleeve I	304
520-3	Long round sleeve	304
520-4	Stop sleeve	304
529	Bearing inner ring	YN20
540	Bushing	304
592	Base	HT200
594	Motor base	HT200
595	Hold-down nail	FPM
681	Protective film	304
723	Movable flange	ZG230-450
740-1	Water discharge and pressure regulating assembly	304
740-2	Air release valve	304
801	Motor	/
853	Coupling	F0212J/45#
900	Type I non-metallic insert hexagon lock nut	304
905-1	Pull plate	304
905-2	Pull rod	45#
932	Wire retainer	304

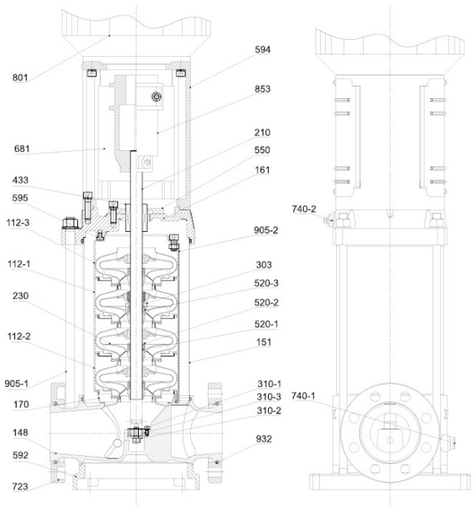
BLT8 BLT12 BLT16 BLT20



S.N.	Part Name	Material
112-1	With bearing deflector	304
112-2	Deflector	304
112-3	Outlet deflector	304
148	Pump seat	HT200
151	Outer cylinder	304
161	Spherical liner	QT450-10
170	Inlet deflector	304
210	Spline shaft	304
230	Impeller	304
412	O-ring	NBR
433	Mechanical seal	Assembly
520-1	Short round sleeve II	304
520-2	Short round sleeve I	304
520-3	Long round sleeve	304
520-4	Stop sleeve	304
529	Bearing inner ring	YN20
540	Bushing	304
594	Motor base	HT200
595	Hold-down nail	FPM
681	Protective film	304
723	Movable flange	ZG230-450
740-1	Water discharge and pressure regulating assembly	304
740-2	Air release valve	304
801	Motor	/
853	Coupling	F0212J/45#
900	Type I non-metallic insert hexagon lock nut	304
905-1	Pull plate	304
905-2	Pull rod	45#
932	Wire retainer	304

Components & Materials

BL(T)32-90



S.N.	Part Name	Material
112-1	With bearing deflector	304
112-2	Deflector	304
112-3	Outlet deflector	304
148	Pump seat	304/HT250
151	Outer cylinder	304
161	Pump head	304/HT250
170	Inlet deflector	304
210	Shaft	304
230	Impeller	304
303	Impeller bearing	YN20
310-1	Bearing bush	YN20
310-2	Shaft cover	304
310-3	Bearing	YN20
433	Mechanical seal	Assembly
520-1	Split conical sleeve	304
520-2	Split conical sleeve nut	304
520-3	Split thick conical sleeve nut	304
550	Mechanical seal gland	Q235A
592	Base	HT250
594	Motor base	HT200
595	Hold-down nail	FPM
681	Protective film	304
723	Movable flange	ZG230-450
740-1	Plug	304
740-2	Air release valve	304
801	Motor	/
853	Coupling	QT500-7
905-1	Pull plate	304
905-2	Pull rod	45#
932	Wire retainer	304

Packing Sizes & Weight

BL2/BLT2

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)2-2	660	330	320	22	27	27	32
BL(T)2-3	660	330	320	26	30	30	35
BL(T)2-4	720	330	320	28	33	32	37
BL(T)2-5	720	330	320	28	33	33	38
BL(T)2-6	720	330	320	28	34	33	38
BL(T)2-7	760	330	320	32	37	36	42
BL(T)2-9	790	330	320	35	41	40	46
BL(T)2-11	870	330	340	36	43	41	48
BL(T)2-13	900	330	340	44	50	48	55
BL(T)2-15	930	330	340	44	51	49	56
BL(T)2-18	1010	350	370	53	62	57	66

BL8/BLT8

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)8-2	760	350	370	40	47	47	53
BL(T)8-3	790	350	370	44	51	51	58
BL(T)8-4	860	350	370	51	59	58	66
BL(T)8-5	960	350	370	52	61	59	67
BL(T)8-6	960	350	370	61	69	67	76
BL(T)8-8	1180	370	460	80	97	87	104
BL(T)8-10	1230	370	460	86	104	93	111
BL(T)8-11	1230	370	460	87	105	94	112
BL(T)8-12	1370	510	520	88	106	95	113
BL(T)8-14	1490	510	520	163	188	169	194

BL4/BLT4

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)4-2	660	330	320	26	30	32	36
BL(T)4-3	720	330	320	28	33	35	40
BL(T)4-4	760	330	320	31	36	38	43
BL(T)4-5	790	330	320	34	40	40	46
BL(T)4-6	790	330	320	35	40	42	47
BL(T)4-7	870	330	340	42	49	49	56
BL(T)4-8	900	330	340	43	50	50	57
BL(T)4-10	1010	350	370	51	60	57	66
BL(T)4-12	1010	350	370	52	61	58	67
BL(T)4-14	1230	370	460	70	83	76	89
BL(T)4-16	1240	370	460	72	85	79	92

BL12/BLT12

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)12-2	790	350	370	43	51	50	59
BL(T)12-3	960	350	370	58	67	65	72
BL(T)12-4	1000	370	460	76	90	84	94
BL(T)12-5	1060	370	460	77	92	85	95
BL(T)12-6	1060	370	460	82	97	90	101
BL(T)12-7	1180	370	460	83	100	91	103
BL(T)12-8	1240	510	520	157	178	165	182
BL(T)12-9	1240	510	520	158	179	166	183
BL(T)12-10	1300	510	520	159	181	167	184
BL(T)12-12	1370	510	520	171	194	179	197
BL(T)12-14	1490	510	520	183	208	191	209

Packing Sizes & Weight

BL16/BLT16

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)16-2	860	350	370	58	65	65	72
BL(T)16-3	1000	370	460	75	89	83	97
BL(T)16-4	1060	370	460	78	93	86	101
BL(T)16-5	1190	510	520	156	175	164	183
BL(T)16-6	1240	510	520	157	178	165	186
BL(T)16-7	1300	510	520	170	192	177	199
BL(T)16-8	1370	510	520	172	195	178	201
BL(T)16-10	1490	510	520	190	215	198	223

BL32/BLT32

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)32-2-2	1160	400	460	95	113	98	116
BL(T)32-2	1160	400	460	99	117	102	120
BL(T)32-3-2	1460	510	520	114	143	117	146
BL(T)32-3	1460	510	520	175	200	180	205
BL(T)32-4-2	1460	510	520	178	203	183	208
BL(T)32-4	1460	510	520	188	213	193	218
BL(T)32-5-2	1610	510	520	178	219	197	225
BL(T)32-5	1610	510	520	208	236	214	242
BL(T)32-6-2	1610	510	520	212	240	217	245
BL(T)32-6	1610	510	520	212	240	217	245
BL(T)32-7-2	1740	580	600	257	294	262	299
BL(T)32-7	1740	580	600	257	294	262	299
BL(T)32-8-2	2010	580	600	268	309	274	315
BL(T)32-8	2010	580	600	335	376	341	382
BL(T)32-9-2	2010	580	600	338	379	344	385
BL(T)32-9	2010	580	600	338	379	344	385
BL(T)32-10-2	2010	580	600	341	382	347	388

BL64/BLT64

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)64-2-2	1480	530	560	199	227	202	230
BL(T)64-2	1480	530	560	258	286	261	289
BL(T)64-3-2	1740	580	600	269	306	273	310
BL(T)64-3	1740	580	600	336	373	340	377
BL(T)64-4-2	1960	630	650	362	412	366	415
BL(T)64-4	1960	630	650	422	471	425	474
BL(T)64-5-2	1960	630	650	427	477	430	480

BL20/BLT20

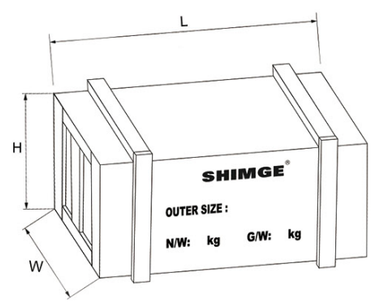
Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)20-2	860	350	370	58	65	65	73
BL(T)20-3	1000	370	460	76	90	84	98
BL(T)20-4	1060	370	460	79	94	87	102
BL(T)20-5	1190	510	520	156	175	164	183
BL(T)20-6	1240	510	520	157	178	165	186
BL(T)20-7	1300	510	520	169	191	177	199
BL(T)20-8	1370	510	520	172	195	178	201
BL(T)20-10	1490	510	520	190	215	198	223

BL45/BLT45

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)45-2-2	1360	510	520	186	214	191	215
BL(T)45-2	1360	510	520	196	224	201	225
BL(T)45-3-2	1480	530	560	217	250	221	254
BL(T)45-3	1480	530	560	217	250	221	254
BL(T)45-4-2	1740	580	600	271	304	275	311
BL(T)45-4	1740	580	600	338	371	342	378
BL(T)45-5-2	1740	580	600	342	375	346	382
BL(T)45-5	1740	580	600	342	375	346	382
BL(T)45-6-2	1860	580	600	369	404	371	410
BL(T)45-6	1860	580	600	369	404	371	410
BL(T)45-7-2	1960	630	650	434	478	436	486
BL(T)45-7	1960	630	650	434	478	436	486

BL90/BLT90

Model	Dim.(mm)			BL2		BLT2	
	L	W	H	N.W.(kg)	G.W.(kg)	N.W.(kg)	G.W.(kg)
BL(T)90-2-2	1810	630	650	226	271	238	283
BL(T)90-2-1	1810	630	650	268	313	280	325
BL(T)90-2	1810	630	650	335	380	347	392
BL(T)90-3-2	1810	630	650	362	407	373	418
BL(T)90-3-1	1810	630	650	362	407	373	418
BL(T)90-3	1810	630	650	421	466	432	477
BL(T)90-4-2	1810	630	650	425	469	435	480

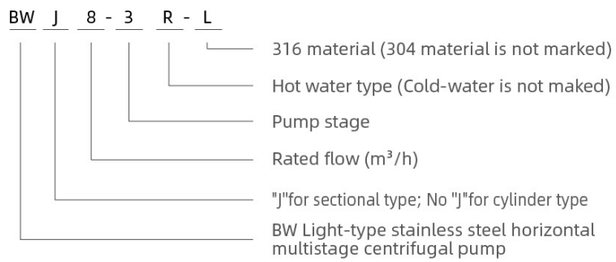


Horizontal Multi-Stage Centrifugal Pumps

BW

BWJ

Model Instruction



Overview Of The Product

BW, BWJ stainless steel horizontal multistage centrifugal pumps are non-self priming pumps absorbing the advanced technology from home and abroad. They are classified into two kinds: cylinder type and sectional type. They adopt horizontal motor and alloy mechanical seal, which makes the replacement more convenient. The overflowing part of the pump is made of stainless steel 304, applicable for light-corrosion medium. Relying on the high efficiency, energy saving performance, reliable quality, wide usable range, our products receive the great popularity after being launched.

Application Limits

◎ Temperature range of medium: Normal type 0 ~ +68℃ , hot water type +68℃ ~ +120℃
◎ Maximum ambient temperature: -15℃ ~ +40 ℃
◎ Maximum system pressure: 1.0Mpa
◎ When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a drving motor of high-power.
◎ pH: 5 to 9

Applications Fields

● Air conditioner system ● Aquaculture ● Cooling System ● Industrial cleansing ● Environmental application
● Water processing(Water purification) ● Fertilization/measuring system ● Other special applications

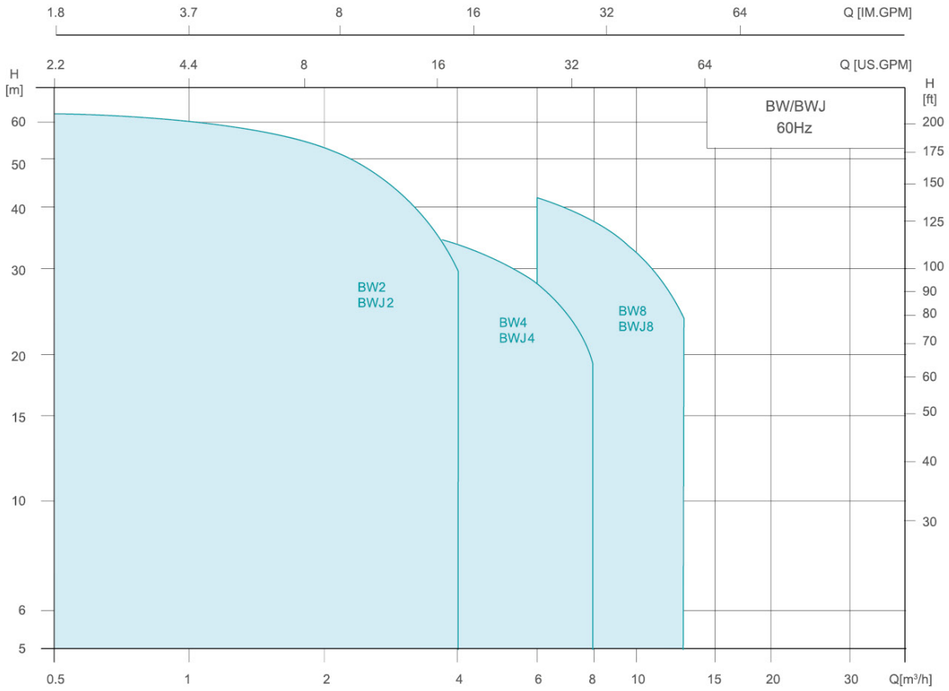
Certificate

CE

Optional Available On Request

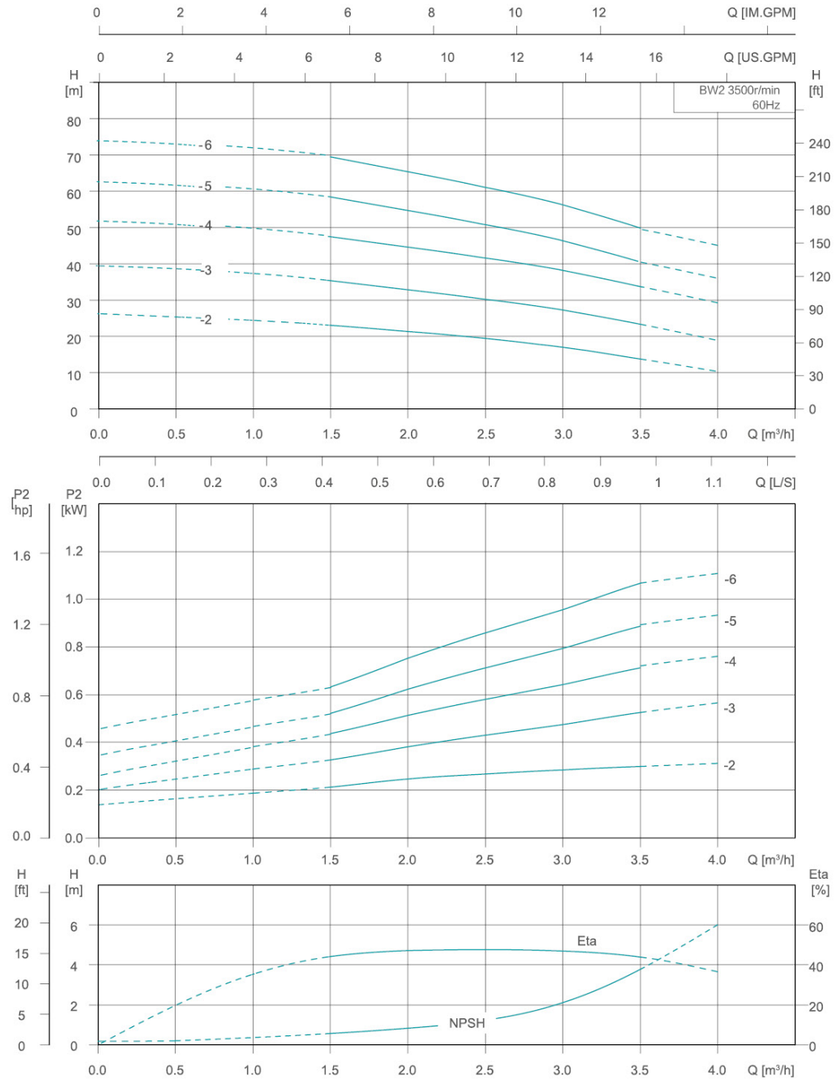
◎ Full-enclosed and ventilating two-pole standard motor
◎ Protection class: IP55
◎ Insulation class: F
◎ Standard voltage (60Hz): Single phase 220V Three phase:380V or 220V

Performance Range



Model	BW2	BW4	BW8	BWJ2	BWJ4	BWJ8
Rated Flow (m³/h)	2	4	8	2	4	8
Flow Range (m³/h)	1~3.5	2~7	6~12	1~3.5	2~7	6~12
Max.Pressure (bar)	4	3	4.5	6.5	4	4.5
Motor Power (kW)	0.55~1.1	0.75~1.5	1.5~2.2	0.55~1.1	0.75~1.5	1.5~2.2
Max.Efficiency (%)	46	57	62	46	57	62
Inlet	G1	G1¼	G2	G1	G1¼	G1½
Outlet	G1	G1	G2	G1	G1	G1¼

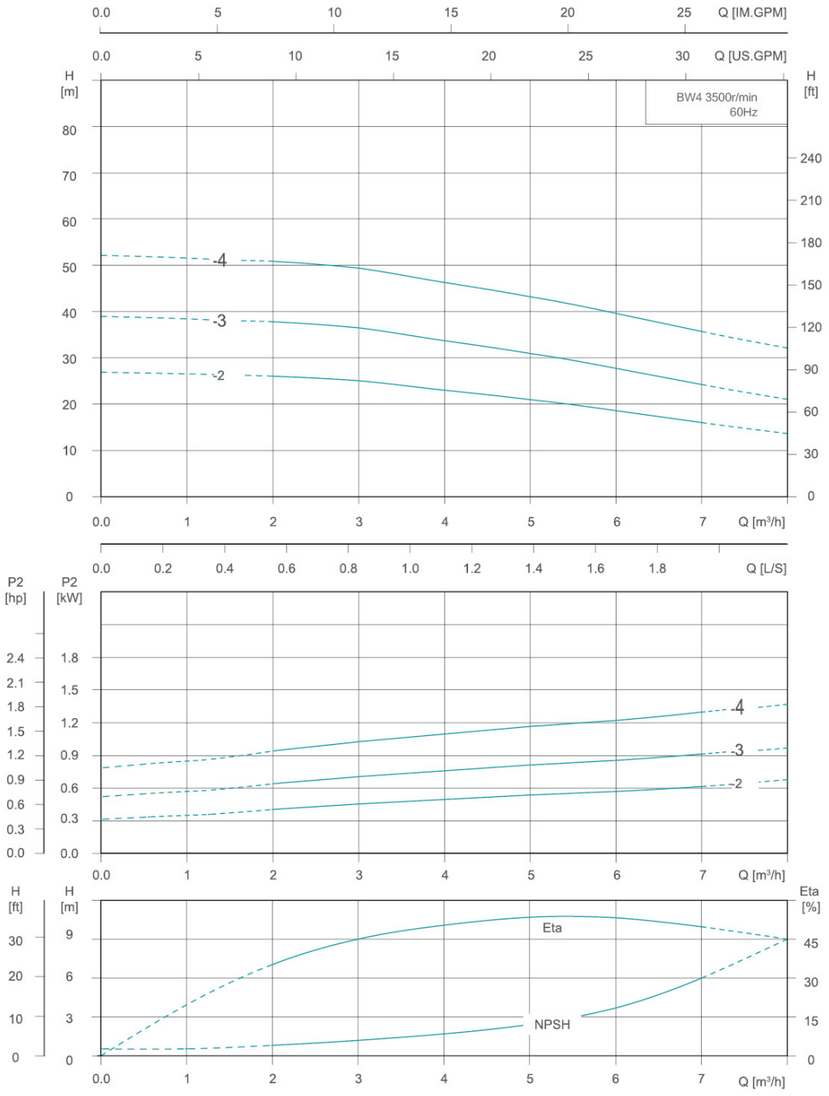
Performance Details-BW2



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	1	1.5	2	2.5	3	3.5	Head Range (m)
	kW	HP								
BW2-2	0.55	0.75	H(m)	24.5	24	21.5	21	19	14	24.5~14
BW2-3	0.75	1		37.5	36	33	31	27	23.5	37.5~23.5
BW2-4	1.1	1.5		50	48	45.5	42	37.5	32	50~32
BW2-5	1.1	1.5		61.5	58.5	55	51	46	40	61.5~40
BW2-6	1.1	1.5		73.5	70.5	66	61.5	56	49	73.5~49

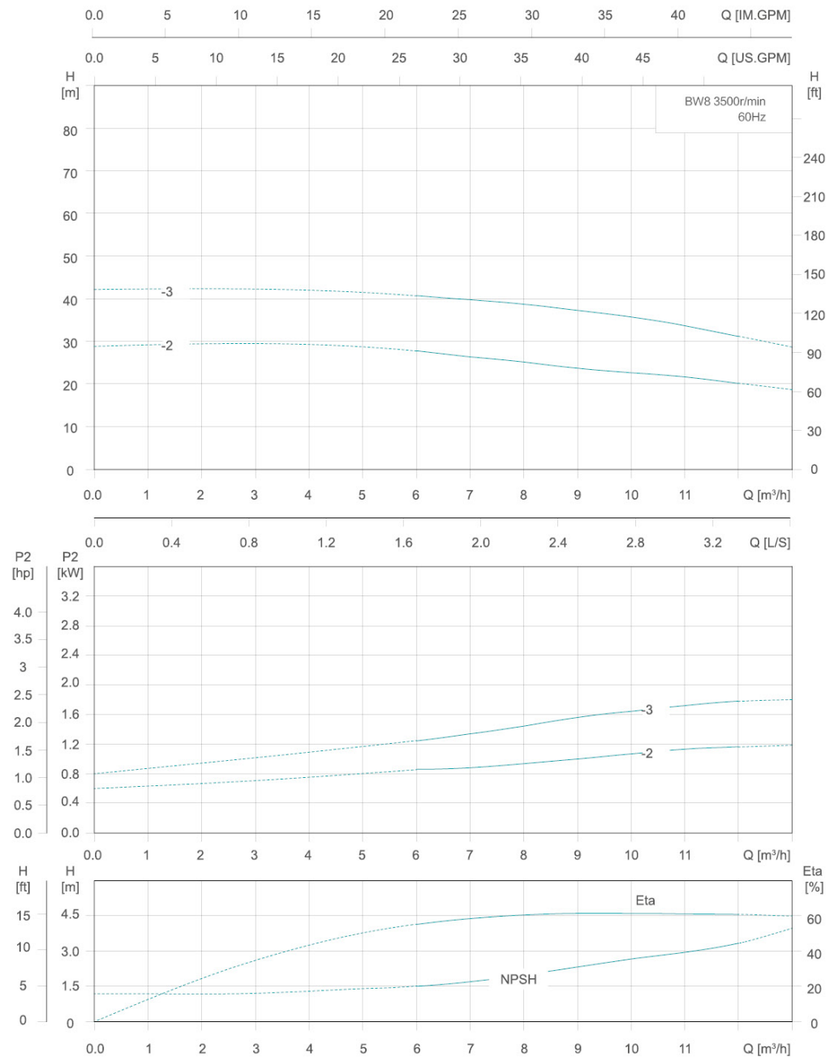
Performance Details-BW4



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	2	3	4	5	6	7	Head Range (m)
	kW	HP								
BW4-2	0.75	1	H(m)	26	25	23	21	19	16	26~16
BW4-3	1.1	1.5		39.5	37.5	36	31.5	28.5	24.5	39.5~24.5
BW4-4	1.5	2		52.5	50	47	43	39	35	52.5~35

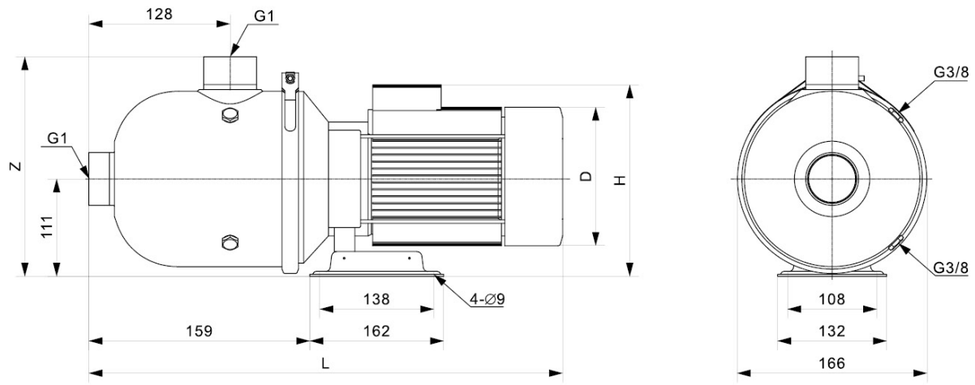
Performance Details-BW8



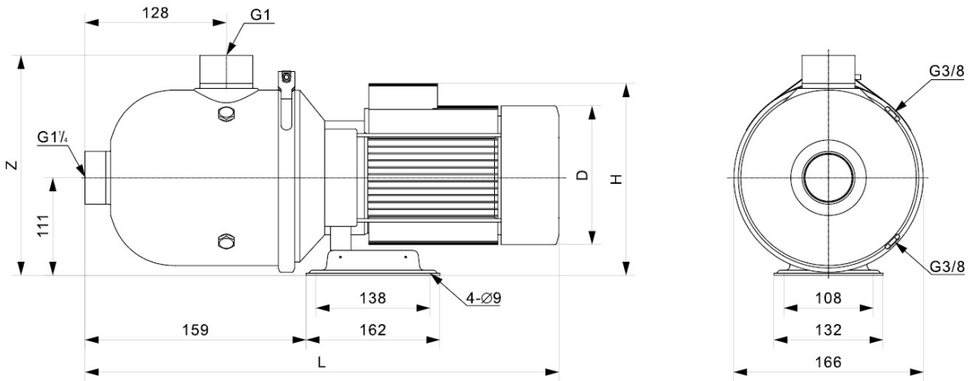
It is recommended to be used within lift range.

Model	Power		Q (m³/h)	6	7	8	9	10	11	12	Head Range (m)
	kW	HP									
BW8-2	1.5	2	H(m)	29	27	26	25	24	23	21.5	29~21.5
BW8-3	2.2	3		42	41	40	38	37	35	33	42~33

Dimensions & Weight

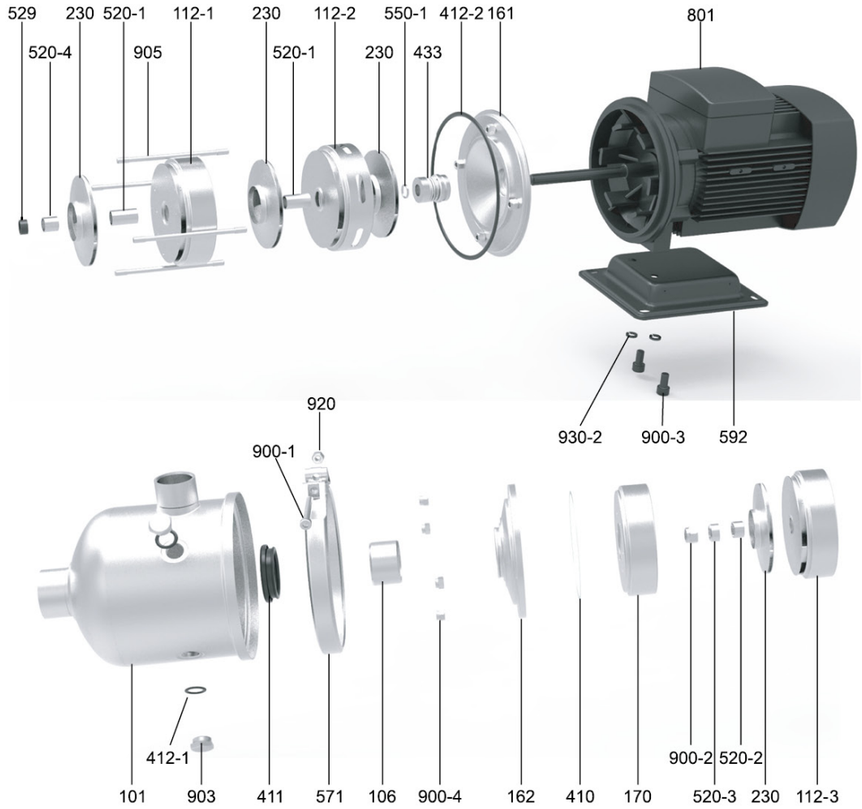


Model	Dim.(mm)			
	L	Z	H	D
BW2-2	403	214	215	140
BW2-3	424	214	224	158
BW2-4	424	214	224	158
BW2-5	424	214	224	158
BW2-6	424	215	224	158



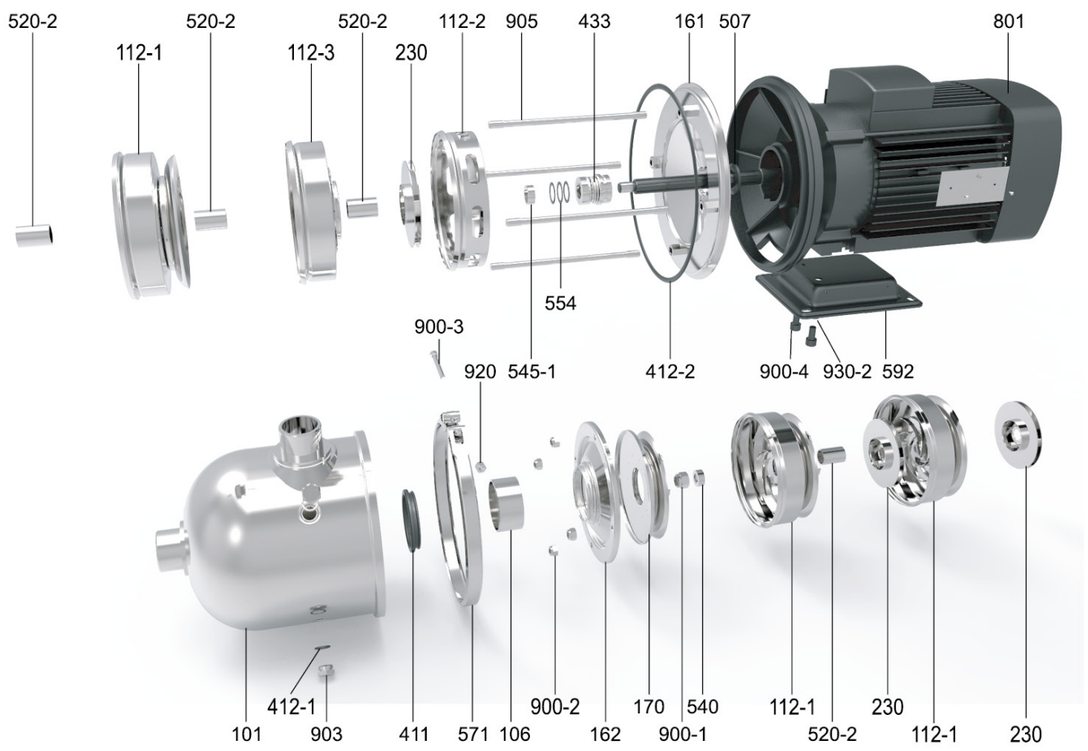
Model	Dim.(mm)			
	L	Z	H	D
BW4-2	424	214	224	158
BW4-3	424	214	224	158
BW4-4	462	215	232	168

BW2/BW4 Exploded View



No.	Part Name	No.	Part Name	No.	Part Name
101	Pressure-proof cylinder component	412-1	O-ring	801	Motor
106	Connecting pipe	412-2	O-ring	900-1	Hexagon socket head cap scr ew
112-1	Deflector	433	Mechanical sea	900-2	Type 1 non-metallic insert hex lock nuts
112-2	Outlet deflector	520-1	Long round sleeve	900-3	Hexagon socket head cap screw
112-3	Final stage deflector(BW4-4、BW2-6)	520-2	Short round sleeve	900-4	Type 1 non-metallic insert hex lock nuts
161	Front cover component	520-3	Stop sleeve	903	Air relief cock
162	Hold-down plate component	520-4	Short round sleeve -i	905	Tie rod
170	Inlet deflector	529	Bearing inner ring	920	Hexagon thick nuts
230	Impeller	550-1	Adjusting washer	930-2	Spr ing washer
410	Gasket	571	Hoop components		
411	Special-shaped sealingring	592	Base		

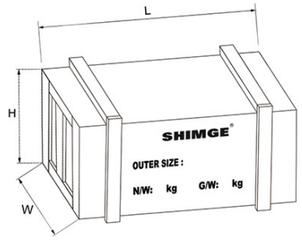
BW8 Exploded View

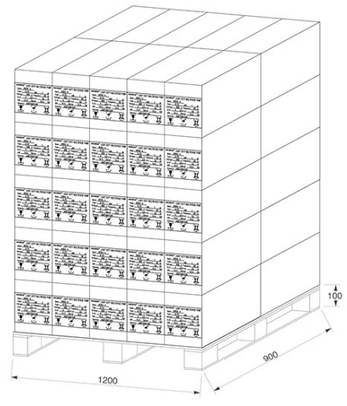


No.	Part Name	No.	Part Name	No.	Part Name
101	Pressure cylinder assembly	412-1	O-ring	801	Motor
106	Connecting pipe	412-2	O-ring	900-1	Type 1 non-metallic insert hex lock nut
112-1	Deflector	433	Mechanical seal	900-2	Type 1 non-metallic insert hex lock nut
112-2	Outlet deflector	507	Water stop ring	900-3	Hexagon socket head cap screw
112-3	Last-stage deflector	520-2	Long round sleeve	900-4	Hexagon socket head cap screw
161	Front cover assembly	540	Bushing	903	Air release plug
162	Platen assembly	545-1	Short round sleeve	905	Tie rod
170	Inlet deflector	554	Adjusting washer	920	Hexagon thick nut
230	Impeller	571	Hoop assembly	930-2	Spring washer
411	Special-shaped sealing ring	592	Base		

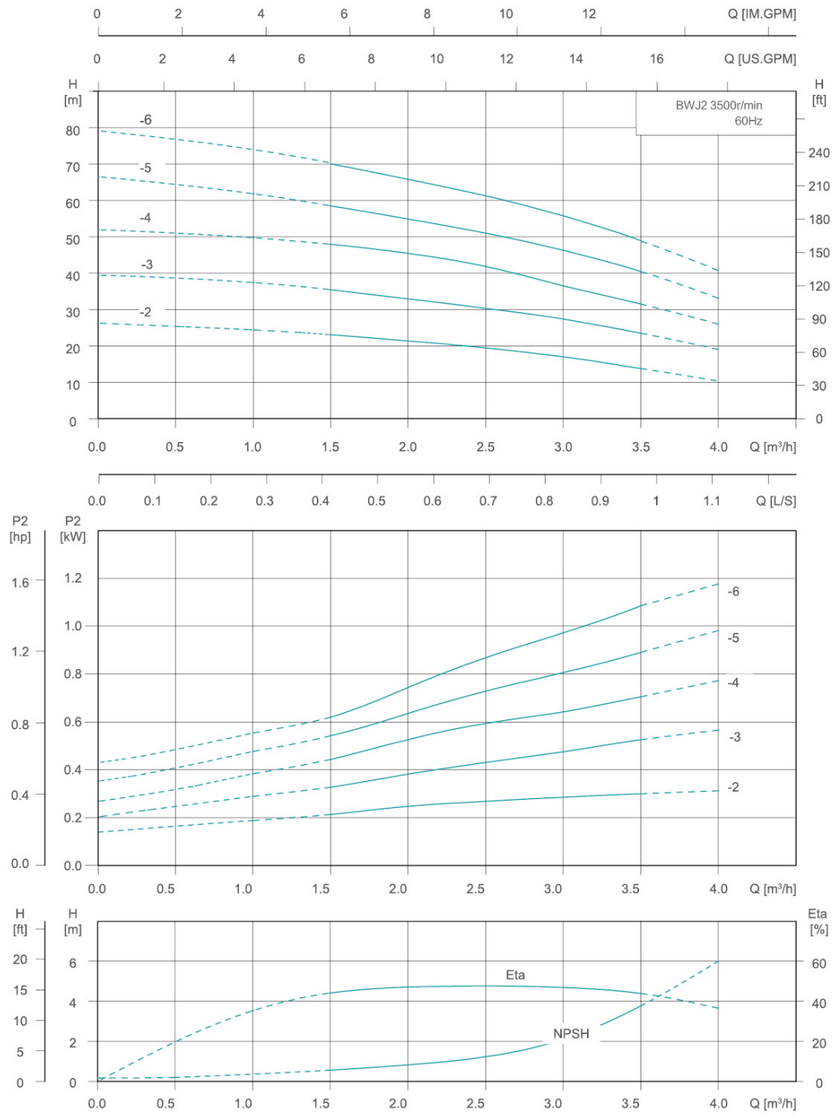
Packing Sizes & Weight

BW					
Model	Dim.(mm)			Weight	
	L	W	H	N.W.(kg)	G.W.(kg)
BW2-2	450	228	305	11	12
BW2-3	450	228	305	14	15
BW2-4	450	228	305	15	16
BW2-5	450	228	305	15	16
BW2-6	450	228	305	15	16
BW4-2	450	228	305	14	15
BW4-3	450	228	305	15	16
BW4-4	450	228	305	18	19
BW8-2	635	265	330	18	19
BW8-3	635	265	330	24	26





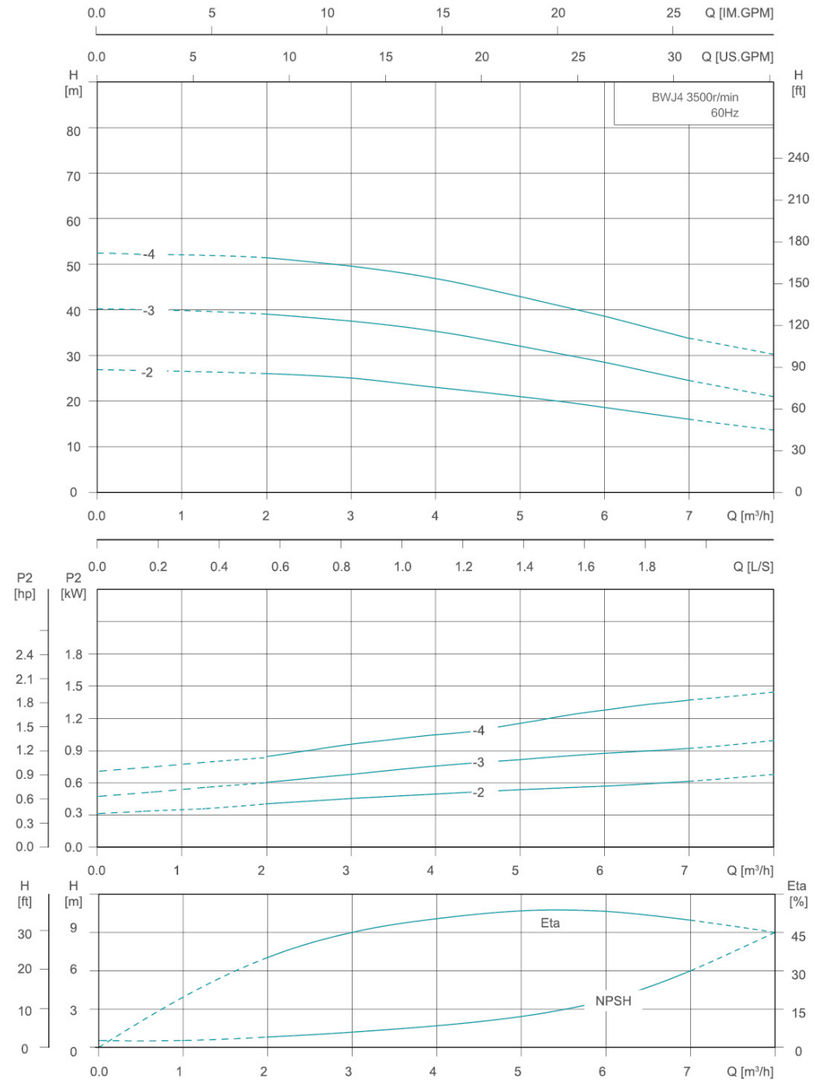
Performance Details-BWJ2



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	1	1.5	2	2.5	3	3.5	Head Range (m)
	kW	HP								
BWJ2-2	0.55	0.75	H(m)	24.5	24	21.5	21	19	14	24.5~14
BWJ2-3	0.75	1		37.5	36	33	31	27	23.5	37.5~23.5
BWJ2-4	1.1	1.5		49.5	48	45.5	42	36	32	49.5~32
BWJ2-5	1.1	1.5		62	61	55	52	46	40.5	62~40.5
BWJ2-6	1.1	1.5		73.5	70	66	61.5	56	49	73.5~49

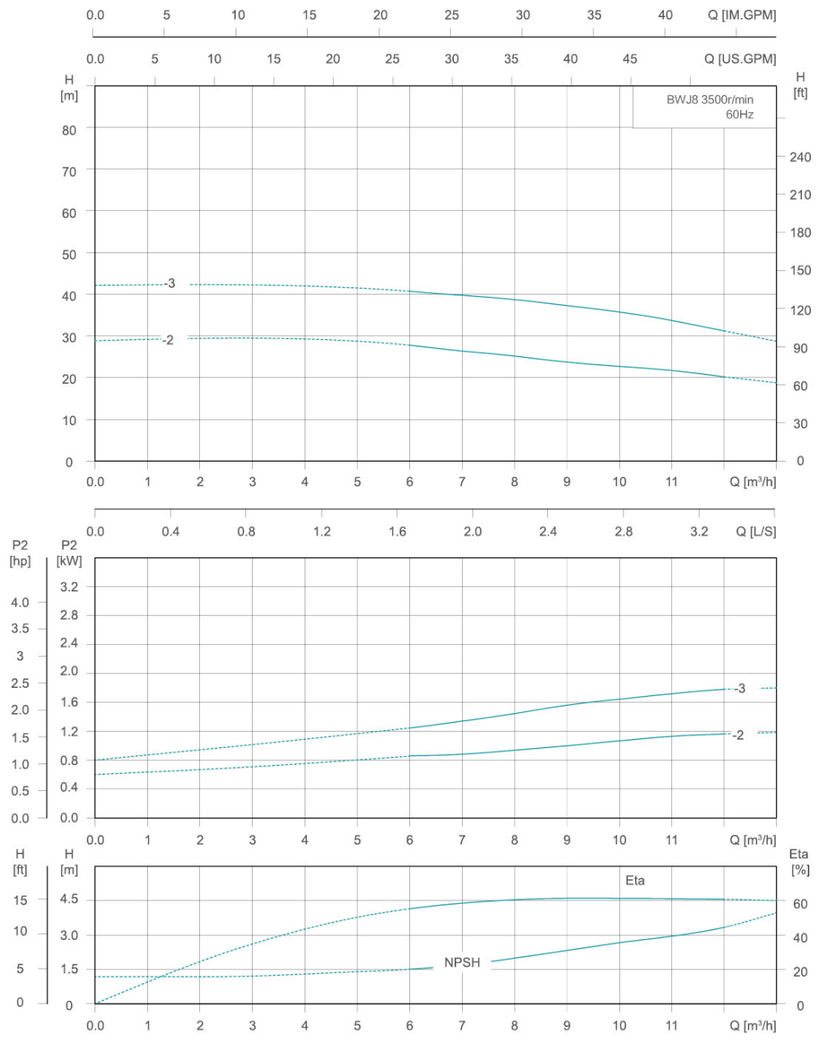
Performance Details-BWJ4



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	2	3	4	5	6	7	Head Range (m)
	kW	HP								
BWJ4-2	0.75	1	H(m)	26	25	23	21	19	16	26~16
BWJ4-3	1.1	1.5		39	37.5	36	32	28	24	39~24
BWJ4-4	1.5	2		52	50	47	43	39	35	52~35

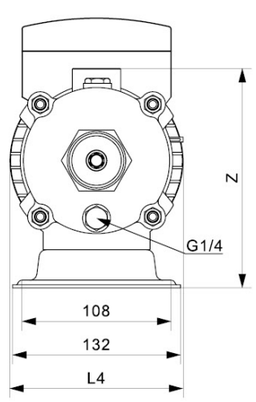
Performance Details-BWJ8

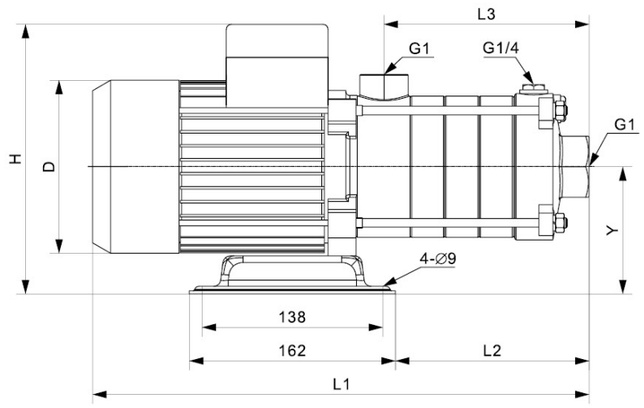


It is recommended to be used within lift range.

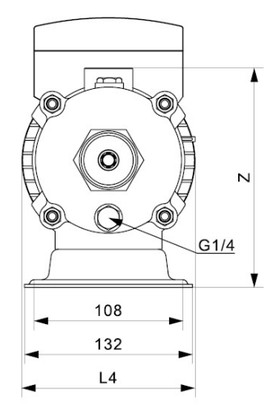
Model	Power		Q (m³/h)	6	7	8	9	10	11	12	Head Range (m)
	kW	HP									
BWJ8-2	1.5	2	H(m)	29	27	26	25	24	23	21.5	29~21.5
BWJ8-3	2.2	3		42	41	40	38	37	35	33	42~33

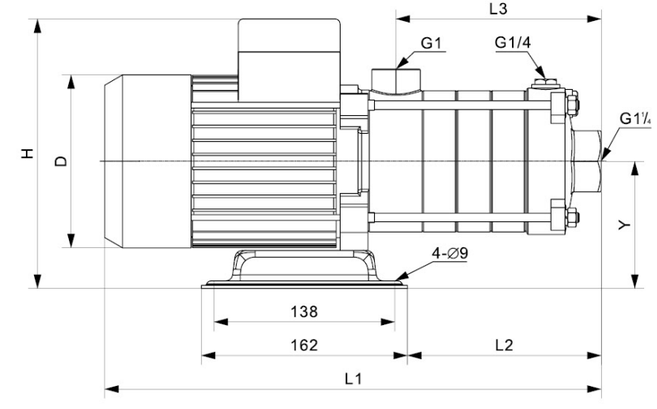
Dimensions & Weight





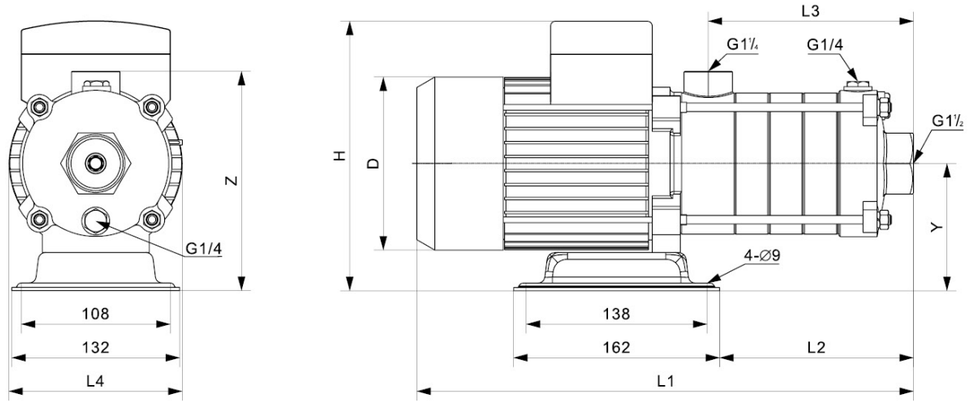
Model	Dim.(mm)							
	L1	L2	Z	Y	L3	H	D	L4
BWJ2-2	321	79	172.5	100	87	203	140	140
BWJ2-3	386	97	172.5	100	105	223	158	140
BWJ2-4	404	115	172.5	100	123	223	158	140
BWJ2-5	422	133	172.5	100	141	223	158	140
BWJ2-6	440	158	182.5	110	159	223	158	158





Model	Dim.(mm)							
	L1	L2	Z	Y	L3	H	D	L4
BWJ4-2	387	98	172.5	100	106	223	158	140
BWJ4-3	471	125	172.5	100	133	223	158	140
BWJ4-4	497	159	182.5	110	160	232	168	158

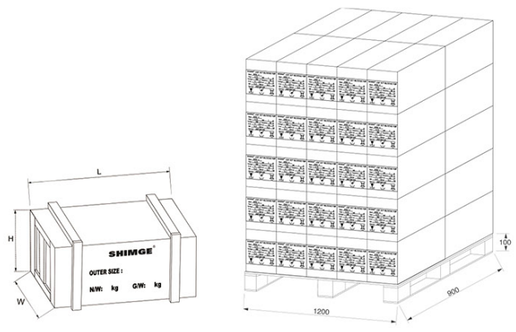
Dimensions & Weight



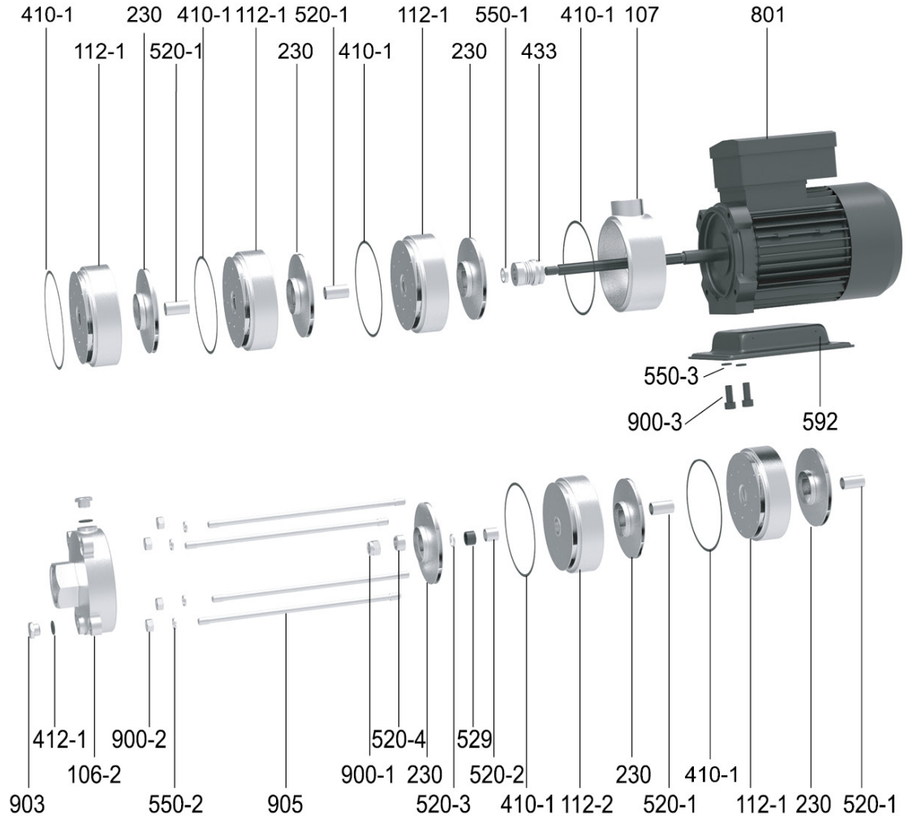
Model	Dim.(mm)							
	L1	L2	Z	Y	L3	H	D	L4
BWJ8-2	428	119.5	223	118	107.5	232	168	158
BWJ8-3	460	151.5	223	118	139.5	232	168	158

Packing Sizes & Weight

BWJ					
Model	Dim.(mm)			Weight	
	L	W	H	N.W.(kg)	G.W.(kg)
BWJ2-2	390	288	305	12	13
BWJ2-3	450	288	305	14	15
BWJ2-4	450	288	305	16	18
BWJ2-5	450	288	305	17	18
BWJ2-6	550	288	305	17	18
BWJ4-2	450	288	305	14	15
BWJ4-3	450	288	305	17	18
BWJ4-4	550	288	305	20	21
BWJ8-2	635	265	330	23	24
BWJ8-3	635	265	330	25	27

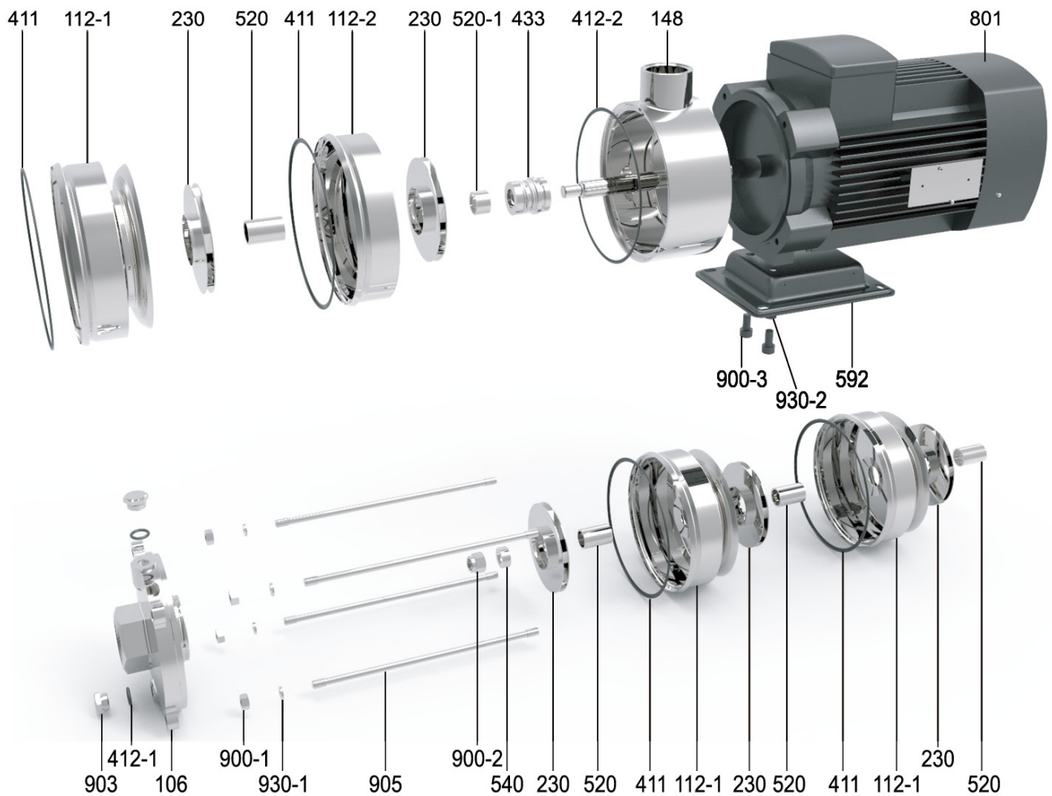


BWJ2/BWJ4 Exploded View



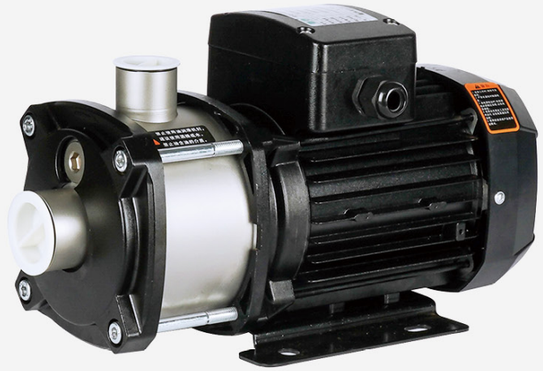
No.	Part Name	No.	Part Name	No.	Part Name
106-2	Water inlet housing assembly	520-1	Oblong sleeve	592	base
107	Water outlet shell	520-2	Short round sleeve I	801	electric machinery
112-1	Deflector	520-3	Short round sleeve II	900-1	Type 1 Non-metallic Insert Hexagon Lock Nut
112-2	With shaft deflector (BWJ2-6、BWJ4-4、BWJ4-5、BWJ4-6)	520-4	Baffle sleeve	900-2	Type 1 hex nut
230	Impeller	529	Bearing inner race	900-3	Hexagon socket head cap screw
410-1	Sealing washer	550-1	Adjusting washer	903	Plug assembly
412-1	O-ring	550-2	Standard spring washer	905	pull rod
433	Mechanical seal	550-3	Standard spring washer		
411	Special-shaped sealingring	592	Base		

BWJ8 Exploded View



No.	Part Name	No.	Part Name	No.	Part Name
106	Water inlet housing assembly	412-2	O-ring	900-1	Type 1 hex nut
112-1	Deflector	433	Mechanical seal	900-2	Type 1 Non-metallic Insert Hexagon Lock Nut
112-2	Last stage deflector	520	Oblong sleeve	900-3	Hexagon socket head cap screw
148	Water outlet shell	520-1	Short round sleeve	903	Bleed cock
230	impeller	540	bushing	905	pull rod
411	Sealing washer	592	base	930-1	Standard spring washer
412-1	O-ring	801	electric machinery	930-2	Standard spring washer

BWI series new light stainless steel horizontal multistage centrifugal pump



BWI

Model Instruction

BWI 2 - 4

- Number of pump stages
- Rated flow rate (m^3/h)
- New stainless steel horizontal multistage centrifugal pump

Overview Of The Product

BWI series new light stainless steel horizontal multistage centrifugal pump is a multi-purpose non-self-priming horizontal multistage centrifugal pump. This series of products has the characteristics of high efficiency, low noise and stable operation. The whole is compact, easy to install, easy to use and maintain. The overflow part is made of high-quality 304 stainless steel stamping and welding.

Application Limits

◎ Thin, clean, non-combustible, and non-explosive liquid containing no solid particle or fiber
◎ Applicable to deliver tap water, alkaline mineral water, softened water or mildly-corrosive medium
◎ The use of a large-power motor must be considered when the density or viscosity of the medium delivered is higher than that of water.
◎ Medium temperature: 0℃ -68℃ for normal temperature type; 0℃ -120℃ for hot water type
◎ Ambient temperature: -15℃ -+40℃ ; maximum operating pressure: 1.0MPa

Applications Fields

◎ Air conditioning system
◎ Filling machinery
◎ Environmental engineering
◎ Water supply and pressurization system
◎ Fertilization and metering system
◎ Cooling system
◎ Industrial cleaning
◎ Aquaculture
◎ Water treatment system application
◎ Supporting use of chiller

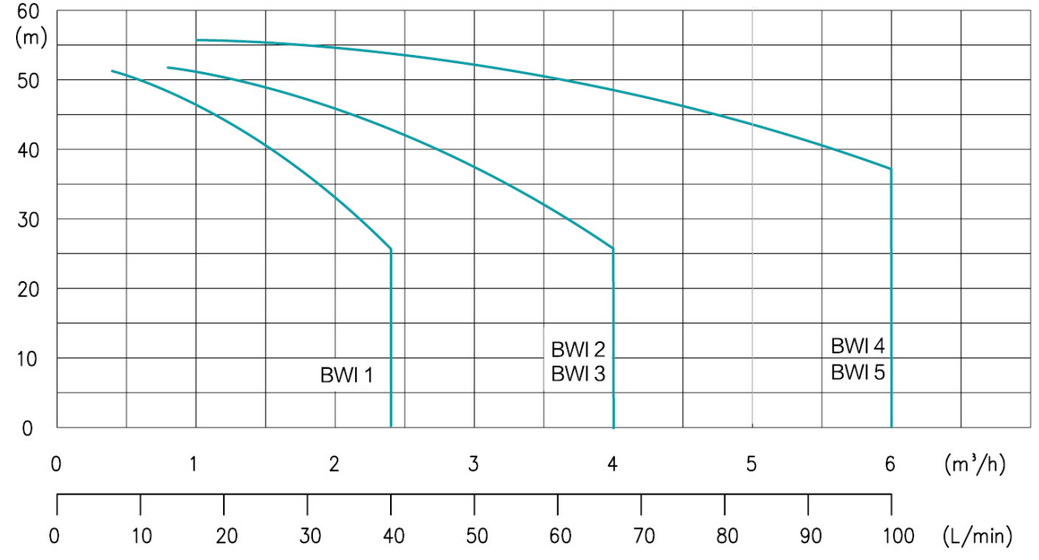
Certificate

CE

Optional Available On Request

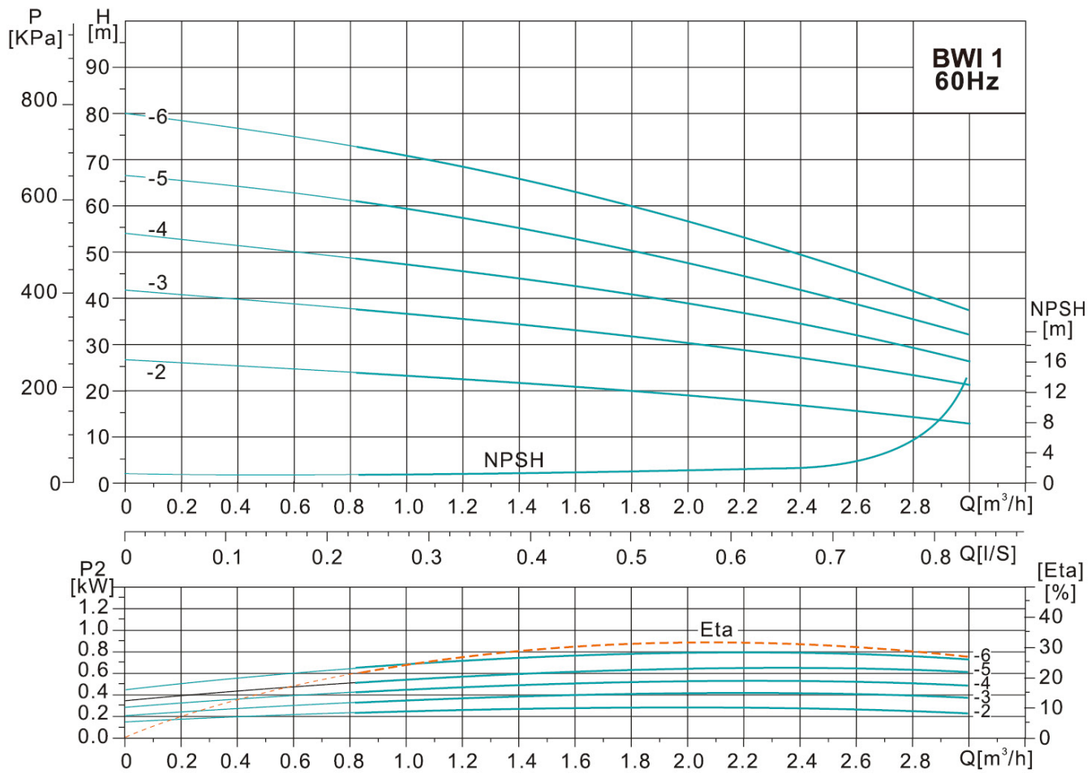
Fully enclosed secondary air-cooled special shaft motor (extended shaft), NSK bearing/domestic brand bearing, 50W800 cold-rolled silicon steel sheet
◎ Protection level: IP55
◎ Insulation class: Class F
◎ Working method: S1
◎ Voltage level: 220V/380V/60Hz

Performance Curve



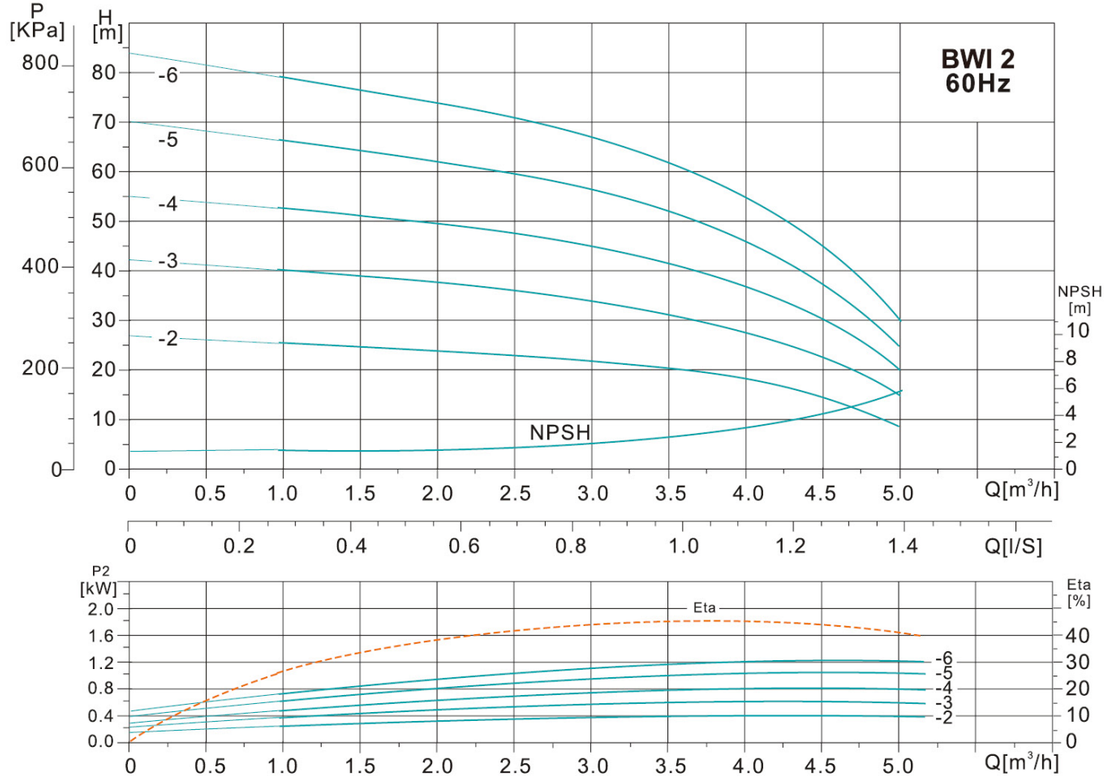
Model	Rated flow (m3/h)	Flow range (m3/h)	Maximum pressure (bar)	Motor power (kW)	Maximum efficiency (%)	Temperature range (℃)	Inlet	Outlet
BWI 1	1	0.4-2.4	5.1	0.25-0.37	28	0℃ -68℃ for normal temperature type; 0℃ -120℃ for hot water type	G1	G1
BWI 2	2	0.8-4	5.6	0.25-0.75	39		G1	G1
BWI 3	3	0.8-4	5.6	0.25-0.75	49		G1	G1
BWI 4	4	1-6	5.6	0.37-1.3	52		G1 1/4	G1
BWI 5	5	1-6	5.6	0.37-1.3	56		G1 1/4	G1

BWI 1 Performance Curve



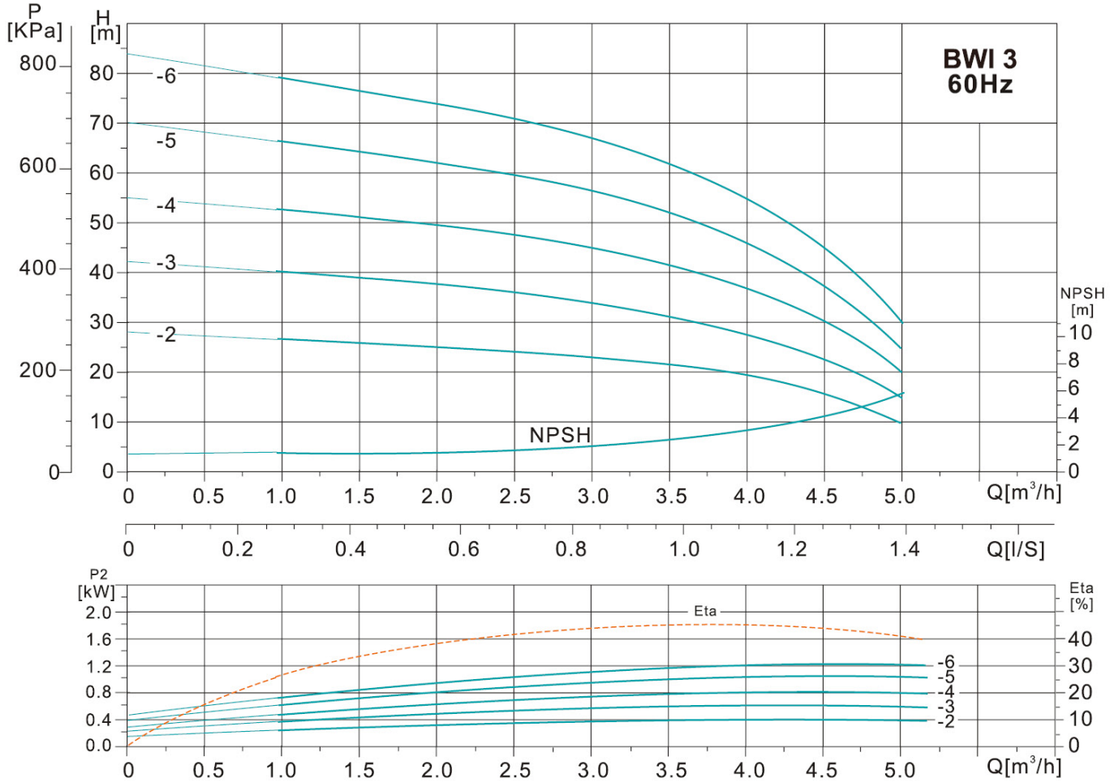
Model	Driving motor P2(kW)	Q (m³/h)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
BWI 1-2	0.37	H(m)	24.5	24	23.5	23	23	22.5	22	21	20	19	18	17	16	15	14
BWI 1-3	0.55		38	37.5	37	36.5	36	35	34	33	32	31	30	28	27	25	23
BWI 1-4	0.55		53	51	50	49	48	46	44	43	41	38	36	34	32	29	26
BWI 1-5	0.75		65.5	64	63	62	60	57	55	53	51	47	45	43	39	37	32
BWI 1-6	0.75		79	77.5	76	74	72	69	66	64	61	57	54	51	47	44	38

BWI 2 Performance Curve



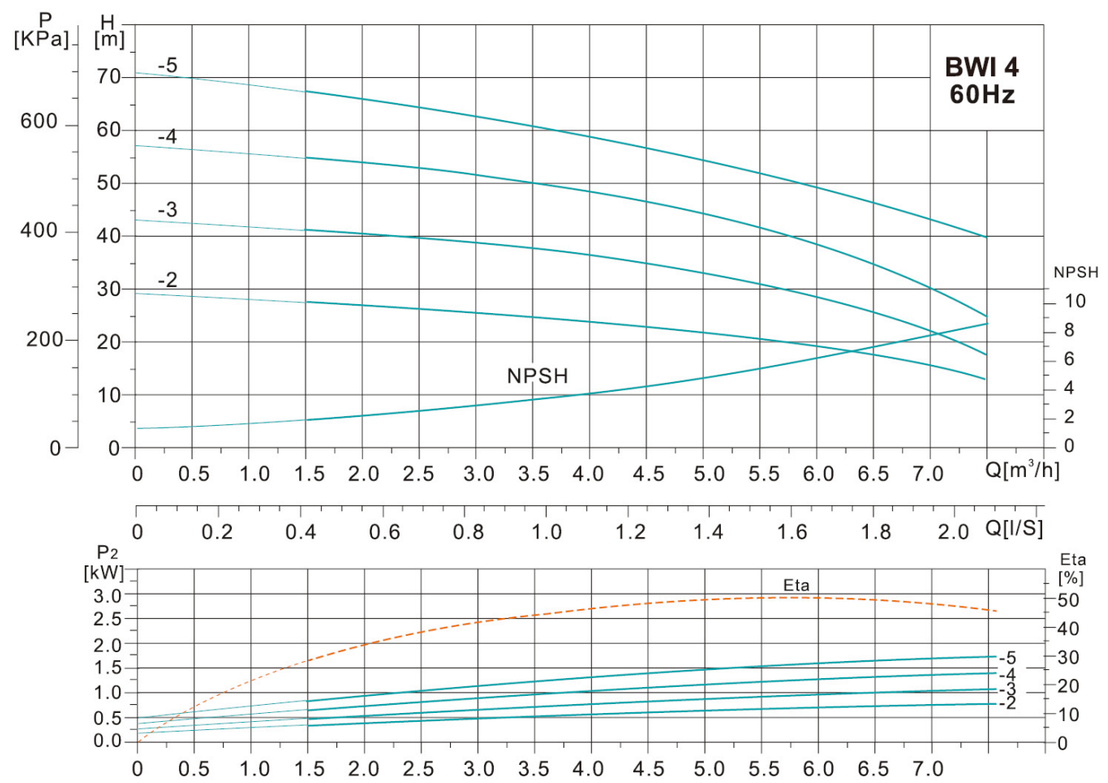
Model	Driving motor P2(kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
BWI 2-2	0.37	H(m)	26.5	26	24.5	24	22	21	19	17	13	8
BWI 2-3	0.55		41	40	38	37	36	34	31	28	23	15
BWI 2-4	0.75		55	53	51	50	48	45	42	37	30	20
BWI 2-5	1.0		68	66	64	62	60	57	52	46	38	25
BWI 2-6	1.3		82	79	76	74	72	68	62	55	45	30

BWI 3 Performance Curve



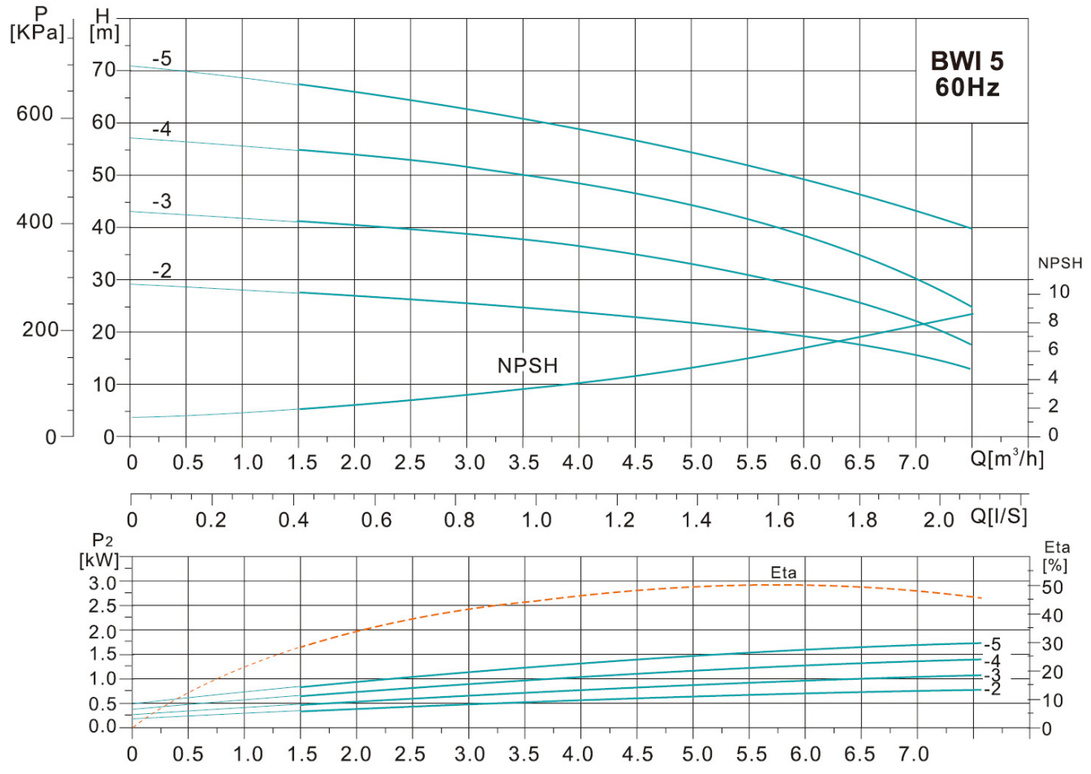
Model	Driving motor P2(kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
BWI 3-2	0.37	H(m)	26.5	26	24.5	24	23	21	19	17	13	8
BWI 3-3	0.55		41	40	38	37	36	34	31	28	23	15
BWI 3-4	0.75		55	53	51	50	48	45	42	37	30	20
BWI 3-5	1.0		68	66	64	62	60	57	52	46	38	25
BWI 3-6	1.3		82	79	76	74	72	68	62	55	45	30

BWI 4 Performance Curve



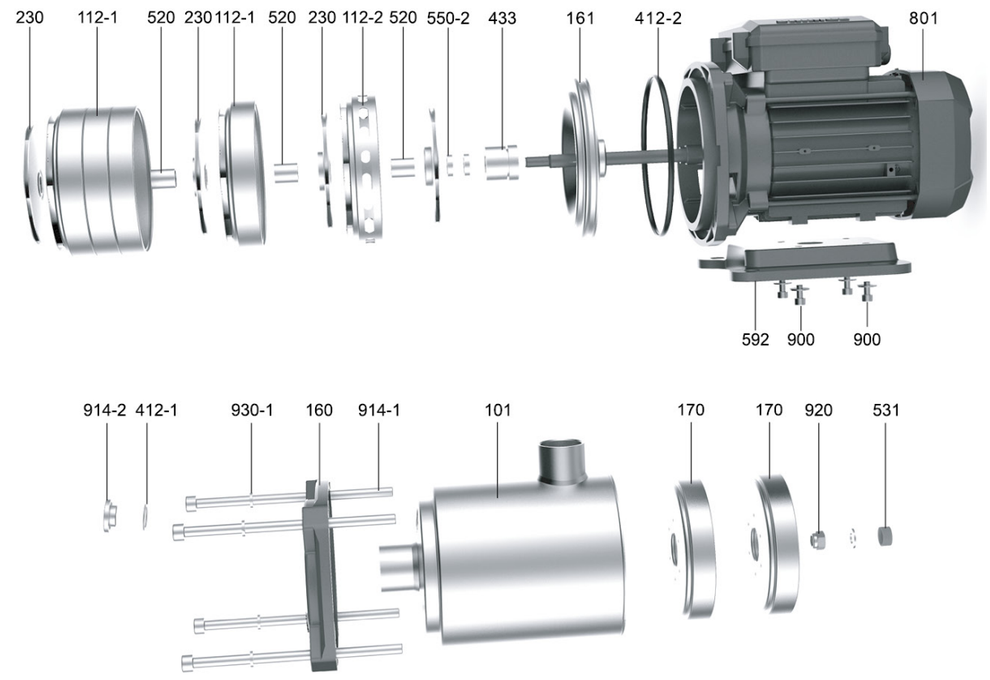
Model	Driving motor P2(kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
BWI 4-2	0.75	H(m)	28	27.5	27	26	25.5	25	24.5	24	23	22	21.5	19	17	15	13
BWI 4-3	1.0		42	41	40	39	38.5	38	37	36	33.5	33	31.5	29	26	22	18
BWI 4-4	1.3		56	55	53.5	52.0	51.5	51	49.5	48	46	44	41	39	35	29	24
BWI 4-5	1.85		70	69	63	65.0	64	63	61.5	60	57	55	51	48	43	36	30

BWI 5 Performance Curve



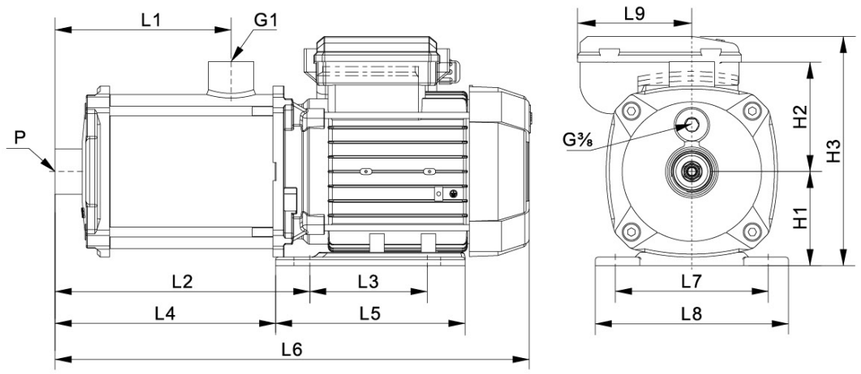
Model	Driving motor P2(kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
BWI 5-2	0.75	H(m)	28	27.5	27	26	25.5	25	24.5	24	23	22	21.5	19	17	15	13
BWI 5-3	1.0		42	41	40	39	38.5	38	37	36	33.5	33	31.5	29	26	22	18
BWI 5-4	1.3		56	55	53.5	52	51.5	51	49.5	48	46	44	41	39	35	29	24
BWI 5-5	1.85		70	69	63	65	64	63	61.5	60	57	55	51	48	43	36	30

Components



No.	Component	No.	Component
101	Pressure cylinder	520	Oblong sleeve
112-1	Deflector	531	bushing
112-2	Outlet deflector	550-2	Adjusting washer
160	Platen	592	base
161	COVER AS-FRONT	801	electric machinery
170	Inlet deflector	900	Hexagon flange bolt
230	impeller	914-1	Hexagon socket head cap screw
412-1	O-ring seal	914-2	Hexagon socket plug
412-2	O-ring seal	920	Non-metallic insert hex lock nut
433	Mechanical seal	930-1	Standard spring washer

Packing Sizes & Weight



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	L8 (mm)	L9 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	P
BWI 1-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
BWI 1-3	72	136	96	1008	155	316	125	158	93.5	77	90	188	G1
BWI 1-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
BWI 1-5	108	172	96	144	155	352	125	158	93.5	77	90	188	G1
BWI 1-6	144	208	96	180	155	388	125	158	93.5	77	90	188	G1
BWI 2-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
BWI 2-3	72	136	96	108	155	316	125	158	93.5	77	90	188	G1
BWI 2-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
BWI 2-5	108	175	125	153	175	396	140	178	102	90	90	215	G1
BWI 2-6	144	211	125	189	175	432	140	178	102	90	90	215	G1
BWI 3-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
BWI 3-3	72	136	96	108	155	316	125	158	93.5	77	90	188	G1
BWI 3-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
BWI 3-5	108	175	125	153	175	396	140	178	102	90	90	215	G1
BWI 3-6	144	211	125	189	175	432	140	178	102	90	90	215	G1
BWI 4-2	72	136	96	108	155	316	125	158	93.5	77	90	188	G1 1/4
BWI 4-3	72	139	125	117	175	360	140	178	102	90	90	215	G1 1/4
BWI 4-4	90	157	125	135	175	378	140	178	102	90	90	215	G1 1/4
BWI 4-5	108	175	125	153	175	396	140	178	102	90	90	215	G1 1/4
BWI 5-2	72	136	96	108	155	316	125	158	93.5	77	90	188	G1 1/4
BWI 5-3	72	139	125	117	175	360	140	178	102	90	90	215	G1 1/4
BWI 5-4	90	157	125	135	175	378	140	158	102	90	90	215	G1 1/4
BWI 5-5	108	175	125	153	175	396	140	178	102	90	90	215	G1 1/4

Fully integrated pump variable frequency pump

BWE

BLE

Model Instruction

BW (J) E 2 - 6

- Number of stages of pump
- Single-pump capacity (m^3/h)
- Code of fully-integrated intelligent variable-frequency series
- Water pump model: BL (T)-Vertical/BW-Horizontal/BWJ-Sectional

Product Overview

The fully-integrated intelligent variable-frequency pump is a new generation of equipment for pressurized water supply, highly integrated by the newly-developed frequency controllers and water pumps and pressure tanks of the Company, presenting a beautiful appearance and reaching an international advanced level. Such pump has capacities of artificial intelligence and automatic adjustment to meet the user's demand for constant-pressure and variable-frequency water supply, which can help to keep constant the pressure of the water supply network and the whole system always at the best energy-efficient state.

Application

◎ Domestic water for residents: pressurization on the roof of high-rise buildings, apartments, and villas etc.
◎ Public places: schools, restaurants, stations, hospitals, and stadiums etc.
◎ Commercial buildings: hotels, office buildings, and department stores etc.
◎ Irrigation: farms, fruit gardens, and parks etc.
◎ Industry: manufacturing, food industry, industrial water, and other places needing constant-pressure water supply etc.

Applications Fields

◎ Operating voltage: AC220V±10% at 50HZ, with phase-to-phase imbalance less than 2%;
◎ Ambient temperature: -5℃ ~ 40℃;
◎ Altitude of installation site: no higher than 1,000m;
◎ Ambient humidity: 10-90%RH (non-condensing);
◎ No medium with explosion hazard in ambient air and no medium containing any gas or conductive dust which can corrode metal or damage insulation; application in environment of which the pollution degree is 2.

Certificate

CE

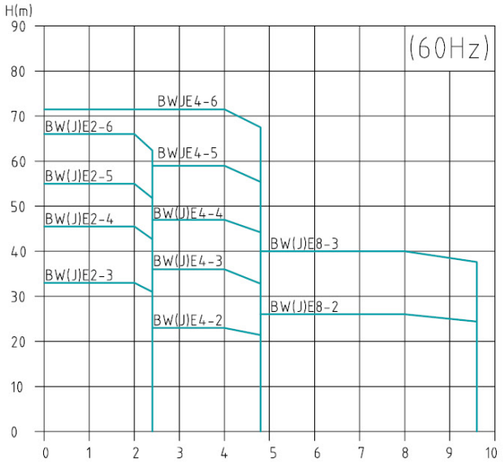
Functions

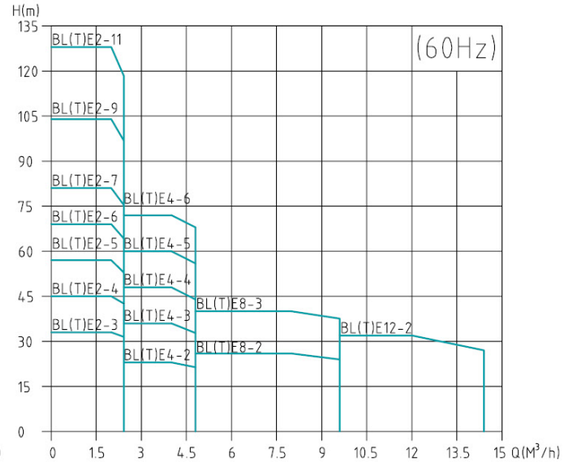
◎ When using water, the system will present its constant-pressure and variable-frequency control, while it will automatically maintain pressure and stop in case of no water used.
◎ The fluctuation range of the operating pressure of variable-frequency pump shall be no more than 0.01MPa.
◎ The pump will stop working in case of idling without water.
◎ It is able to inspect several faults concerning disconnection, overcurrent, overload, and grounding.

Product Overview

◎ Frequency converter: IP65, safe and reliable
◎ High level of integration: The water pump is integrated with the frequency converter, so it is small in size and can be installed easily and save space.
◎ Full-automatic control: The product can automatically adjust its operating state on the basis of the pressure of the network of the user, to achieve its best working state and make the system energy-saving. When no water is used, automatic pressure maintenance and sleep will be realized and, therefore, the energy-saving effect is quite obvious. In case of failure of water pump, real-time tracking, judgement, and treatment will be carried out automatically.
◎ Easy and convenient operation: The man-machine interaction can be achieved directly via the keys and the display on the frequency converter. The user can make settings relating to pressure on the basis of its actual operating conditions and obtain the relevant information. In the event of any abnormality, the information about such an abnormality can be got as well.
◎ Constant-power operation: When the controller reaches the power limit, adjustment will be done on the basis of the actual operation, so as to keep the output power unchanged and protect the motor on the premises that the water consumption by the user is guaranteed to the greatest extend.

Equipment spectrum





Action Description

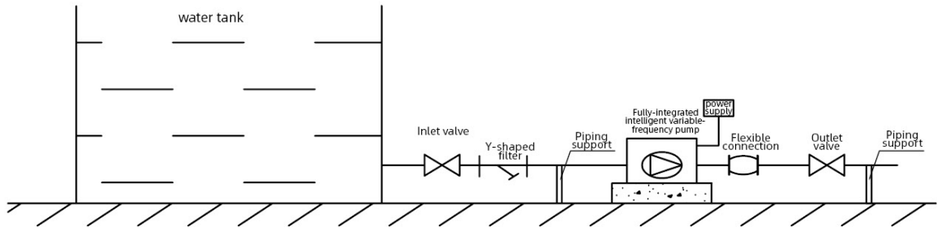
◎ The automatic identification module senses the pressure of the system via a pressure sensor and compares it with the set pressure, and then outputs a continuous analog signal to the frequency converter which changes the operating frequency of the motor on the basis of the change of the analog signal, to finally meet the demand for constant-pressure water supply. When the user's water consumption is large, the rotational speed will increase automatically and the power will be increased accordingly to satisfy the demand for constant-pressure water supply. If no water is used, the system will go to sleep automatically after the set pressure is reached. Where the user uses little water or the water pressure decreases to 80% due to leakage of the piping, the frequency controller will send out a signal to order the motor to operate and then make up for pressure until the set pressure is reached again, to maximize energy saving.

Performance Parameters

Number	Model	Input voltage	Setting range of constant pressure values kg/cm²	Factory-set constant pressure value (rated pressure) kg/cm²	Inlet diameter	Outlet diameter	Single-pump power kW	Maximum lift (zero flow) m	Rated lift(m)	Rated flow m³/h	Volume of pressure tank(L)
A01	BWE2-3	220V/380V	0.5-2	2	G1	G1	0.75	38	33	2	3
A02	BWE2-4	220V/380V	0.5-2.5	2.5	G1	G1	1.1	51	44	2	3
A03	BWE2-5	220V/380V	0.5-3.5	3.5	G1	G1	1.1	63	55	2	3
A04	BWE2-6	220V/380V	0.5-4	4	G1	G1	1.1	75	66	2	3
A05	BWE4-2	220V/380V	0.5-1.5	1.5	G1¼	G1	0.75	26	22	4	3
A06	BWE4-3	220V/380V	0.5-2	2	G1¼	G1	1.1	39	33	4	3
A07	BWE4-4	220V/380V	0.5-3	3	G1¼	G1	1.5	53	44	4	3
A08	BWE8-2	220V/380V	0.5-1.5	1.5	G2	G2	1.5	27	25	8	5
A09	BWE8-3	220V/380V	0.5-3	2.2	G2	G2	2.2	41	39	8	5
A10	BWJE2-3	220V/380V	0.5-2	2	G1	G1	0.75	38	33	2	3
A11	BWJE2-4	220V/380V	0.5-2.5	2.5	G1	G1	1.1	51	44	2	3
A12	BWJE2-5	220V/380V	0.5-3.5	3.5	G1	G1	1.1	63	55	2	3
A13	BWJE2-6	220V/380V	0.5-4	4	G1	G1	1.1	75	66	2	3
A14	BWJE4-2	220V/380V	0.5-1.5	1.5	G1¼	G1	0.75	26	22	4	3
A15	BWJE4-3	220V/380V	0.5-2	2	G1¼	G1	1.1	39	33	4	3
A16	BWJE4-4	220V/380V	0.5-3	3	G1¼	G1	1.5	53	44	4	3
B01	BWJE4-5	220V/380V	0.5-3.5	3.5	G1¼	G1	2.2	65	56	4	3
B02	BWJE4-6	220V/380V	0.5-4.5	4.5	G1¼	G1	2.2	80	69	4	3
B03	BWJE8-2	220V/380V	0.5-1.5	1.5	G1½	G1¼	1.5	27	25	8	5
B04	BWJE8-3	220V/380V	0.5-2	2	G1½	G1¼	2.2	41	39	8	5
B05	BL(T)E2-3	220V/380V	0.5-2	2	G1¼	G1¼	0.75	39	34	2	3
B06	BL(T)E2-4	220V/380V	0.5-3	3	G1¼	G1¼	1.1	52	45	2	3
B07	BL(T)E2-5	220V/380V	0.5-3.5	3.5	G1¼	G1¼	1.1	65	57	2	3
B08	BL(T)E2-6	220V/380V	0.5-4.5	4	G1¼	G1¼	1.1	78	69	2	3
B09	BL(T)E2-7	220V/380V	0.5-5	5	G1¼	G1¼	1.5	92	81	2	3
B10	BL(T)E2-9	220V/380V	0.5-6.5	6.5	G1¼	G1¼	2.2	118	104	2	5
B11	BL(T)E2-11	220V/380V	0.5-8	8	G1¼	G1¼	2.2	144	128	2	5
B12	BL(T)E4-2	220V/380V	0.5-1.5	1.5	G1¼	G1¼	0.75	26	23	4	3
B13	BL(T)E4-3	220V/380V	0.5-2	2	G1¼	G1¼	1.1	40	36	4	3
B14	BL(T)E4-4	220V/380V	0.5-3	3	G1¼	G1¼	1.5	53	48	4	3
B15	BL(T)E4-5	220V/380V	0.5-4	4	G1¼	G1¼	2.2	66	60	4	3
B16	BL(T)E4-6	220V/380V	0.5-4.5	4.5	G1¼	G1¼	2.2	80	71	4	3
B17	BL(T)E8-2	220V/380V	0.5-1.5	1.5	DN40	DN40	1.5	27	26	8	5
B18	BL(T)E8-3	220V/380V	0.5-2	2	DN40	DN40	2.2	41	40	8	5
B19	BL(T)E12-2	220V/380V	0.5-2	2	DN50	DN50	1.5	35	32	12	5

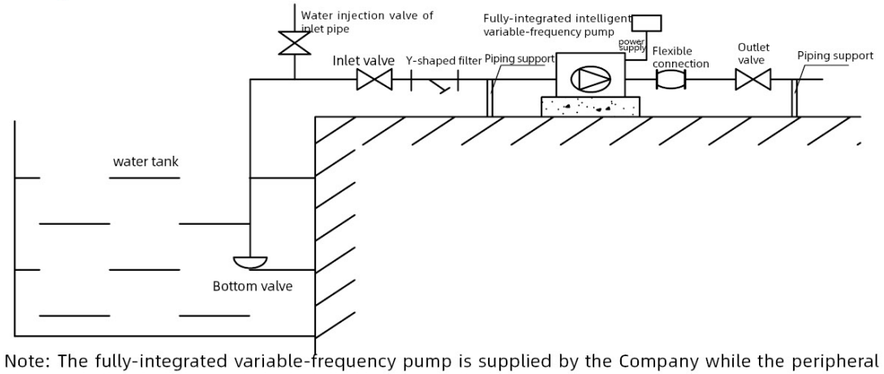
Installation Diagram

Positive-pressure Water Inlet :



Note: The fully-integrated variable-frequency pump is supplied by the Company while the peripheral pipes and other facilities are to be installed by the user itself.

Negative-pressure Water Inlet :



Note: The fully-integrated variable-frequency pump is supplied by the Company while the peripheral pipes and other facilities are to be installed by the user itself.

Instructions for Installation

◎ When the pump is installed indoors, there should be no water drop, metal dust, oily dirt, corrosive/flammable gas or liquid, or electromagnetic signal interference. When installed outdoors, the pump should be sheltered.
◎ The assembling floor of the variable-frequency pump must be firm, without any split or sink.
◎ The equipment should be installed with positive pressure at the inlet while installation with negative-pressure suction should be avoided to the greatest extent. In case negative-pressure installation is required, please select a bottom valve with good quality and carry out regular overhauls.
◎ The diameter of the inlet pipe and the outlet pipe to be connected with the variable-frequency pump should be greater than the diameter of the variable-frequency pump itself.
◎ Please check whether the provided power supply complies with the requirement of the variable-frequency pump for the power supply at the incoming line.
◎ During installation, the user should furnish the inlet and the outlet valves of the variable-frequency pump and the relevant flexible connections so as to facilitate repairs and prevent noise from passing through piping.
◎ If installation is made with positive pressure at the inlet, please open the vent valve of the water pump and discharge the air prior to use. Do not tighten the vent valve until there is water flowing out. In case of installation made with negative pressure at the inlet, please fill the suction pipe with water prior to use (there should be a filling valve at the suction pipe) and start up the pump after the chamber of the water pump is full of water.

Reference for Model Selection

Computational method of maximum water consumption

No	Accessories for water supply	Rated flow (L/s)	Equivalent	Nominal diameter of connecting pipe (mm)	Minimum operating pressure (MPa)
1	Washtub, mop basin, washbasin Single-valve faucet Single-valve faucet Mixed-water faucet	0.15 ~ 0.20 0.30 ~ 0.40 0.15 ~ 0.20(0.14)	0.75 ~ 1.00 1.5 ~ 2.00 0.75 ~ 1.00(0.70)	15 20 15	0. 050
2	Washbasin Single-valve faucet Mixed-water faucet	0.15 0.15 (0.10)	0.75 0.75(0.50)	15 15	0. 050
3	Washbasin Sensor faucet Mixed-water faucet	0.10 0.15(0.10)	0.50 0.75(0.5)	15 15	0. 050
4	Bathtub Single-valve faucet Mixed-water faucet (including converter with shower)	0.20 0.24(0.20)	1.00 1.2(1.0)	15 15	0. 050 0. 050 ~ 0.0 70
5	Shower Mixing valve	0.15(0.10)	0.75(0.50)	15	0. 050 ~ 0.100
6	Closet pan Float valve of flushing cistern Delay-driven self-closing flush valve	0.10 1.20	0.50 6.00	15 25	0.020 0.10 ~ 0.15
7	Urinal Manual or automatic self-closing flush valve Inlet valve of automatic flushing cistern	0.10 0.10	0.50 0.50	15 15	0. 050 0. 020
8	Perforated flushing pipe of urinal (in m)	0.05	0.25	15 ~ 20	0. 015
9	Faucet of bidet	0.10(0.07)	0.50(0.35)	15	0. 050
10	Pan closet used in a hospital	0.10(0.07)	1.00	15	0. 050
11	Gooseneck-type faucet for testing in a laboratory Single-linkage Double-linkage Triple-linkage	0.07 0.15 0.20	0.35 0.75 1.00	15 15 15	0. 020 0. 020 0. 020
12	Nozzle of drinking fountain	0.05	0.25	15	0. 050
13	Sprinkler	0.40 0.70	2.00 3.50	20 25	0.0 50 ~ 0.100 0.050 ~ 0.100
14	Flushing faucet for indoor ground	0.20	1.00	15 15	0. 050
15	Faucet of domestic washing machine	0.20	1.00	15 15	0. 050

Note:

◎ A value inside brackets in the table is to be used for the independent calculation relating to cold water or hot water, when there is hot water supply.
◎ When a shower is attached to a bathtub or a mixed-water faucet is provided with a shower converter, then for the calculation of the rated flow and the equivalent, only the faucet should be included. However, the computation of water pressure shall be based on the shower.
◎ The water pressure needed by a domestic gas water heater should be determined on the basis of the requirement of the product and the operating pressure needed by the most unfavorable water distribution point of the hot water supply system.
◎ The automatic sprinkling irrigation of a green belt should be designed in accordance with the requirement of the product.
◎ When there are special requirements for the rated flow and the minimum operating pressure needed by the water supply accessories of sanitary fixtures, their values should be determined as per the requirement of the product (how to determine the equivalence when the requirement of the product is determined).
◎ Calculation of maximum water consumption
L=Number of single-valve faucets * Rated flow + Mixed-water faucet * Rated flow +•••••••+ Number of domestic washing machines * Rated flow
The unit of L to be calculated should be “L/S”, converted into t/h by multiplying 3.6 (for the rated flow, please refer to Table I).

Calculation of minimum pressure

The minimum pressure should be the pressure calculated from the suction surface of the water pump, plus the minimum necessary pressure for the highest sanitary fixture used.
The minimum pressure used by the water supply equipment (Mpa) ≈1/100*(hg+hf)+pe
Ha: the actual lift from the suction surface to the highest fixture (m);
Hf: the loss of the piping and the bending, to be calculated as 6m-10m;
Pe: the minimum necessary pressure of the highest sanitary fixture (please refer to Table I).

For example:

There is a small hotel four-storeyed above the ground, about 12m high (calculated from the suction surface), including 12 rooms. Each room is equipped with one closet plan, one washbasin (with a mixed-water faucet), and one shower (with a mixed-water faucet). In addition, the hotel has one faucet for domestic washing machines, four flushing faucets for indoor ground, and four faucets of drinking fountains. Please calculate the flow and the lift of the equipment to be selected.

Answer:
Calculation of the maximum water consumption:
Maximum water consumption=3.6{12 (1*0.1+1*0.15+1*0.24) +1*0.2+4*0.2+4*0.05}=6.084t/h
Calculation of the minimum pressure:
Minimum pressure ≈1/100* (12+10) +0.07=0.29 Mpa
Ha: the actual lift from the suction surface to the highest sanitary fixture, 12m;
Hf: the head loss of the piping and the bending, taking 10m;
Pe: the minimum operating pressure of the shower, 0.7bar.
Note: 1bar≈1kg/cm2 =0.1Mpa; 1Mpa is approximately equal to 100m lift of the water pump.
When equipment is selected, the total flow of the selected equipment should be the maximum water consumption and the lift should be no less than the minimum pressure calculated. Please refer to the Equipment Spectrum.

Model	L	L1	B	H	H1	N.W (kg)	G.W (kg)
BWE2-3	419	165	165	540	111	18.2	20.7
BWE2-4	421	165	165	540	111	21.7	24.2
BWE2-5	421	165	165	540	111	22.7	25.2
BWE2-6	443	165	165	540	111	23.7	26.2
BWE4-2	426	165	165	540	111	18.2	20.7
BWE4-3	421	165	165	540	111	21.5	24
BWE4-4	472	165	165	540	111	23.7	26.2
BWE8-2	590	283	280	610	118	23.2	27
BWE8-3	590	283	280	610	118	29.5	33.3

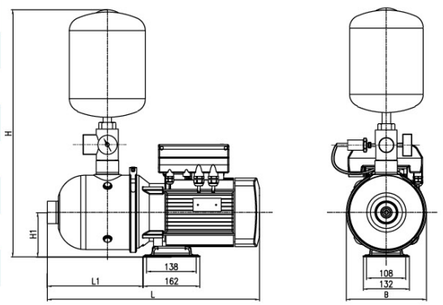


Figure 1

Model	L	L1	B	H	H1	N.W (kg)	G.W (kg)
BWJE2-3	391	95	156	540	111	18.7	21.2
BWJE2-4	409	113	156	540	111	21	23.5
BWJE2-5	427	131	156	540	111	21.4	23.9
BWJE2-6	512	151	169	540	111	25.3	27.8
BWJE4-2	391	95	156	540	111	18.7	21.2
BWJE4-3	418	122	156	540	111	21.2	23.7
BWJE4-4	483	151	169	540	111	24	26.5
BWJE4-5	539	178	169	540	111	27.3	29.8
BWJE4-6	566	232	169	540	111	28	30.5
BWJE8-2	443	111	169	600	118	27.9	31.7
BWJE8-3	473	141	169	600	118	30.1	33.9

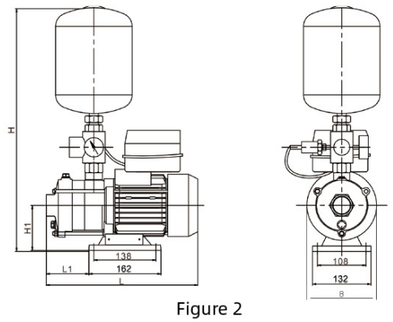


Figure 2

Model	L	L1	B1	B	H	H1	N.W (kg)	G.W (kg)
BL(T)E2-3	600	550	280	320	552	80	32/42	47/57
BL(T)E2-4	600	550	280	320	570	80	37/44	52/59
BL(T)E2-5	600	550	280	320	588	80	38/44	53/59
BL(T)E2-6	600	550	280	320	606	80	38/45	53/60
BL(T)E2-7	600	550	280	320	686	80	41/47	56/62
BL(T)E2-9	600	550	280	320	722	80	45/52	60/67
BL(T)E2-11	600	550	280	320	758	80	46/53	61/68
BL(T)E4-2	600	550	280	320	552	80	36/42	51/69
BL(T)E4-3	600	550	280	320	579	80	38/45	53/60
BL(T)E4-4	600	550	280	320	668	80	41/48	56/63
BL(T)E4-5	600	550	280	320	695	80	45/51	60/66
BL(T)E4-6	600	550	280	320	722	80	45/52	60/67
BL(T)E8-2	750	700	320	360	706	120	58/65	77/84
BL(T)E8-3	750	700	320	360	736	120	62/69	81/88
BL(T)E12-2	750	700	320	360	713	120	61/68	82/89

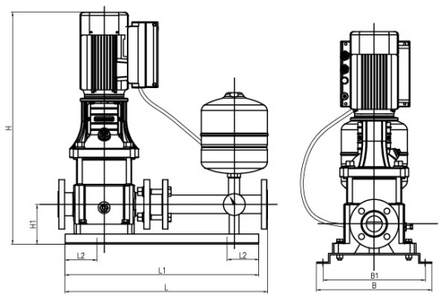


Figure 3

ZPS

Performance Range

Max. Flow: 3.5m³/h
Max. Head: 12m

Certificate

CE

Application Limits

◎ Liquid temperature: +2℃ ~ +90℃
◎ Maximum ambient temperature +40℃
◎ Maximum system pressure 10bar
◎ Protection level: IP44
◎ Mains connection: 220V/50Hz、220V/60Hz、127V/60Hz
◎ Insulation class: H
◎ Pumped liquid characteristics: clean, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
◎ Installation: the motor shaft must be kept in horizontal direction
◎ pH: 6.5 to 8.5

Application Fields

For automatic pressurization of domestic tap water, solar system pressurization, hot or cold water pipeline pressurization, etc.

Optional Available On Request

◎ Products can be customized according to customer's voltage and frequency
◎ Brass pump body, enamel pump body, stainless steel pump body

Features

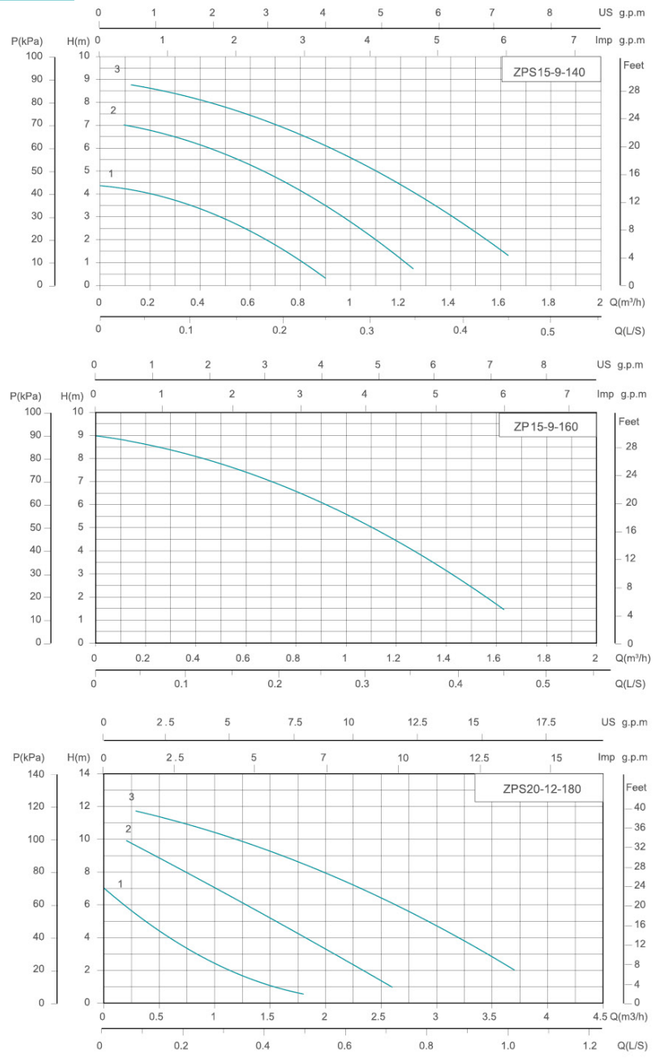
◎ Automatic mode and manual mode is available
◎ Low noise, no leakage
◎ Flow switch automatic control

Model Instruction

ZPS 20 - 12 -180

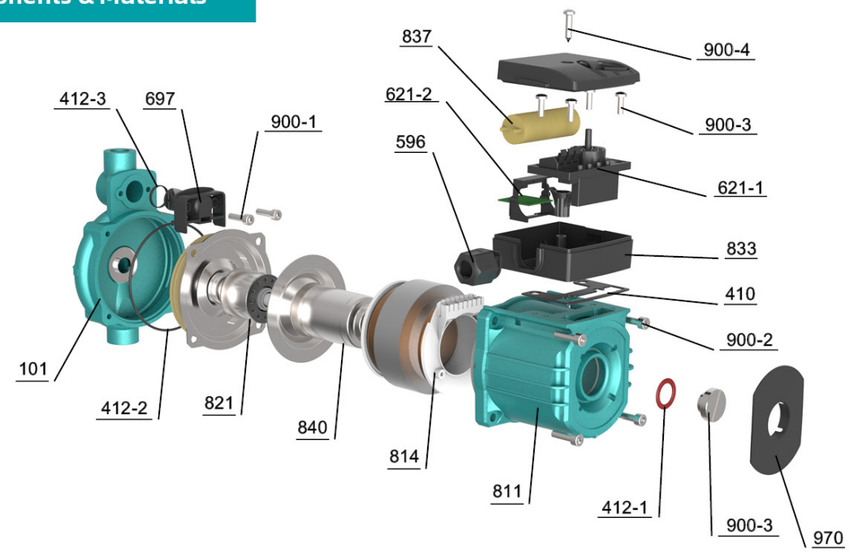
- Distance Between Inlet And Outlet(mm)
- Max. Head(m)
- Inlet And Outlet Diameter(mm)
- Automatic Pressure Circulation Type

Performance Curve



Model	Speed	Input power P1(W)	Current(A)		Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
			220V 60Hz	127V 60Hz					G.W. (kg)	Dim.(L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
ZP15-9-160	-	120	0.48	0.95	3	10	0~9	1.6	2.8	180x120x135	8	380x260x290	23	5880
ZPS15-9-140	3	120	0.48	0.95	3	10	0~9	1.6	2.8	180x120x135	8	380x260x290	23	5880
ZPS15-9-140	2	85	0.38	0.66	3	10	0~9	1.6	2.8	180x120x135	8	380x260x290	23	5880
ZPS15-9-140	1	60	0.26	0.45	3	10	0~9	1.6	2.8	180x120x135	8	380x260x290	23	5880
ZPS20-12-180	3	245	1.04	1.80	6	20	0~12	3.5	5	200x160x180	4	420x340x200	21	3200
ZPS20-12-180	2	210	0.92	1.60	6	20	0~12	3.5	5	200x160x180	4	420x340x200	21	3200
ZPS20-12-180	1	140	0.63	1.10	6	20	0~12	3.5	5	200x160x180	4	420x340x200	21	3200

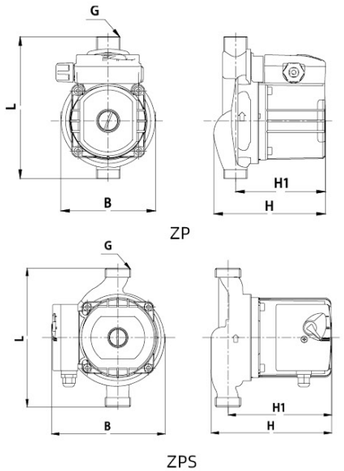
Components & Materials



No.	Component	No.	Component
101	Pump body	412-1	O-ring
410	Rubber mat	412-2	
596	Cable lock	412-3	
697	Flow switch	621-1	Wiring board
811	Casing	621-2	Control panel
814	Stator core with winding	900-1	Hexagon socket head cap screw
821	Rotor (part)	900-2	
833	Junction box	900-3	Vent cock
837	Running capacitor	900-3	Cross recessed pan head screw
840	Can	900-4	Cross recessed self-tapping screw
970	Nameplate		

Dimensions

Model	Dim.(mm)					Unions Or Flange	N.W. (kg)
	A	B	C	D	E		
ZP15-9-160	125	102	160	G¾"	105	G¾"to G1½"	2.6
ZPS15-9-140	125	102	140	G¾"	105	G¾"to G1½"	2.6
ZPS20-12-180	156	135	180	G1"	145	G1"to G¾"	4.6



XPS

Performance Range

Max. Flow: 10m³/h
Max. Head: 12m

Certificate

CE

Application Limits

◎ Liquid temperature: +2℃ ~ +110℃
◎ Maximum ambient temperature +40℃
◎ Maximum system pressure 10bar
◎ Protection level: IP44
◎ Mains connection: 220V/60Hz、127V/60Hz
◎ Insulation class: H
◎ Installation: the motor shaft must be kept in horizontal direction
◎ pH: 6.5 to 8.5

Application Fields

XPS pumps are designed for circulation of liquids in heating and air-conditioning systems. Pumps with bronze or stainless steel housings are also suitable for use in hot-water service systems. Examples of typical applications are mix water underfloor heating system, air energy hot water circulation system, solar hot water circulation system, etc.

Optional Available On Request

◎ Products can be customized according to customer's voltage and frequency
◎ Brass pump body, enamel pump body, stainless steel pump body

Features

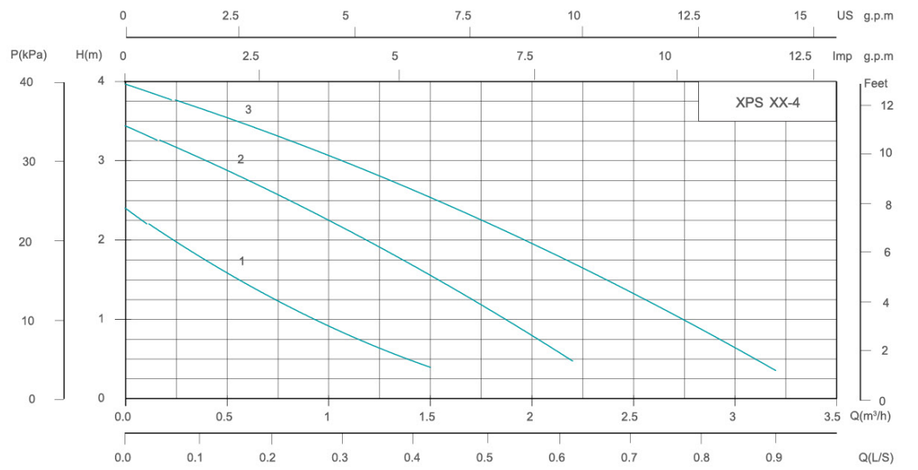
◎ 3-speed adjustment
◎ Low noise
◎ No leakage

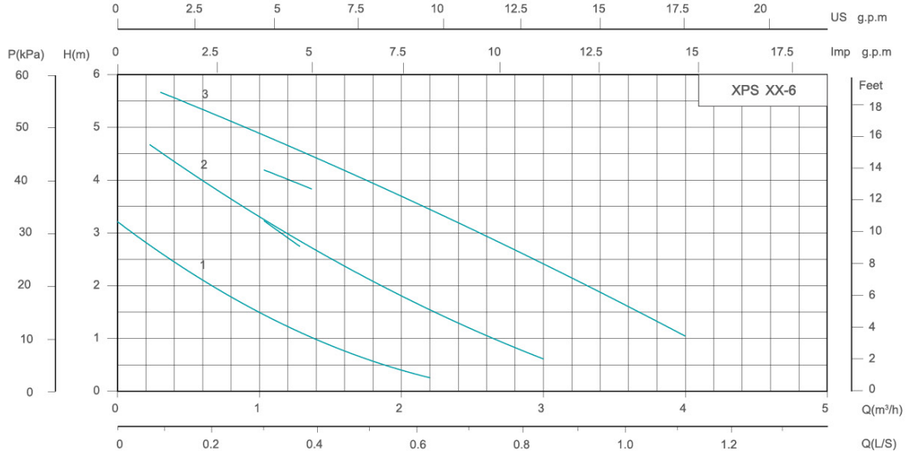
Model Instruction

XPS 32 - 8 F-220

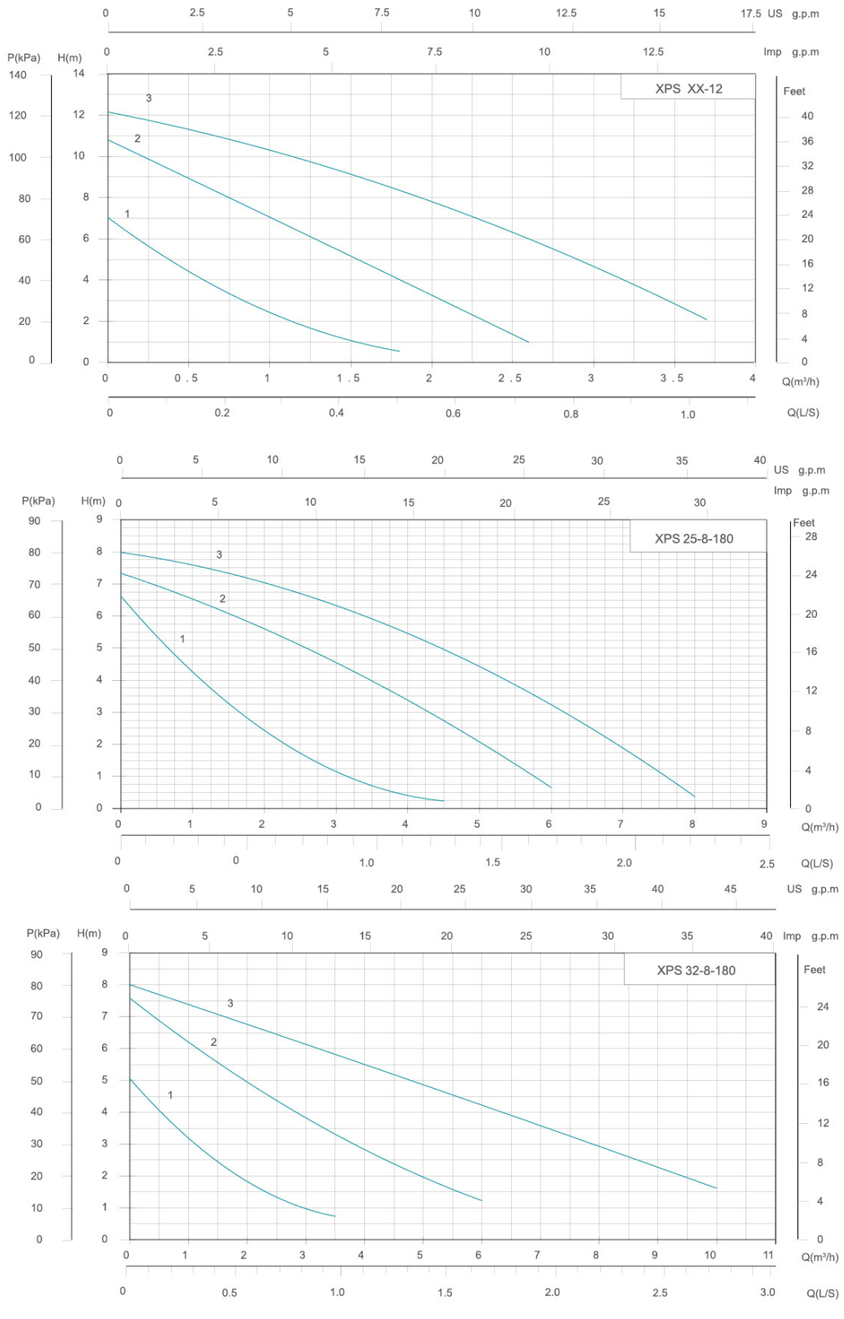
- Distance Between Inlet And Outlet(mm)
- F:Flange ,No "F" For Thread
- Max. Head(m)
- Inlet And Outlet Diameter(mm)
- Basic Circulation Type

Performance Curve





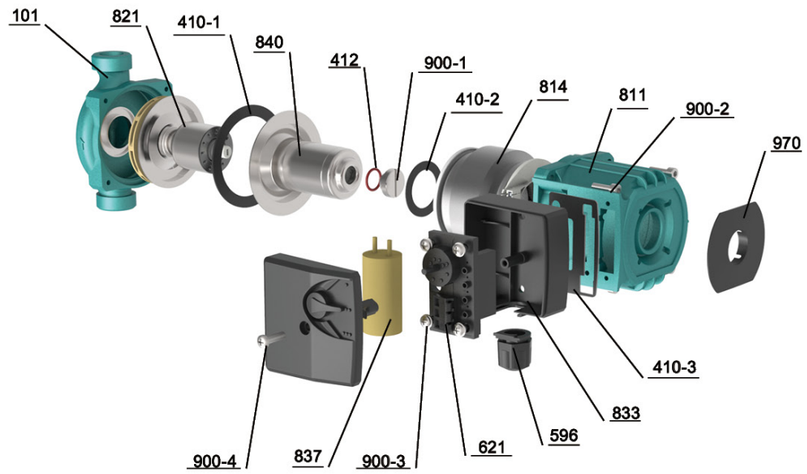
Performance Curve



Model	Speed	Input power P1(W)	Current(A)		Capacitor		Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
			220V 60Hz	127V 60Hz	μF/450V 220V/60Hz	μF/250V 127V/60Hz					G.W. (kg)	Dim. (L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
XPS15-4-130	3	60	/	/	2	/	130	4	0~4	2						
XPS15-4-130	2	45	/	/	2	/	130	4	0~4	2						
XPS15-4-130	1	30	/	/	2	/	130	4	0~4	2						
XPS15-6-130	3	90	0.4	0.8	2.5	6	130	6	0~6	2	2.5	150×130×140	8	320×280×300	21	6664
XPS15-6-130	2	65	0.3	0.65	2.5	6	130	6	0~6	2						
XPS15-6-130	1	45	0.2	0.41	2.5	6	130	6	0~6	2						
XPS15-9-140	3	120	0.48	0.83	3	10	140	9	0~9	1.6						
XPS15-9-140	2	85	0.38	0.66	3	10	140	9	0~9	1.6	2.8	180×120×135	3	380×260×290	23	5880
XPS15-9-140	1	60	0.26	0.45	3	10	140	9	0~9	1.6						
XPS20-4-130	3	60	/	/	2	/	130	4	0~4	2.2						
XPS20-4-130	2	45	/	/	2	/	130	4	0~4	2.2						
XPS20-4-130	1	30	/	/	2	/	130	4	0~4	2.2						
XPS20-6-130	3	90	0.4	0.8	2.5	6	130	6	0~6	2.2	2.4	150×130×140	8	320×280×300	22	6664
XPS20-6-130	2	65	0.3	0.65	2.5	6	130	6	0~6	2.2						
XPS20-6-130	1	45	0.2	0.41	2.5	6	130	6	0~6	2.2						
XPS25-4-130	3	60	/	/	2	/	130	4	0~4	3						
XPS25-4-130	2	45	/	/	2	/	130	4	0~4	3						
XPS25-4-130	1	30	/	/	2	/	130	4	0~4	3						
XPS25-6-130	3	90	0.4	0.8	2.5	6	130	6	0~6	3	3	150×130×140	8	320×280×300	25	4800
XPS25-6-130	2	65	0.3	0.65	2.5	6	130	6	0~6	3						
XPS25-6-130	1	45	0.2	0.41	2.5	6	130	6	0~6	3						

Model	Speed	Input power P1(W)	Current(A)		Capacitor		Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
			220V 60Hz	127V 60Hz	μF/450V 220V/60Hz	μF/250V 127V/60Hz					G.W. (kg)	Dim. (L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
XPS25-4-180	3	60	/	/	2	/	180	4	0~4	3						
XPS25-4-180	2	45	/	/	2	/	180	4	0~4	3						
XPS25-4-180	1	30	/	/	2	/	180	4	0~4	3						
XPS25-6-180	3	90	0.4	0.8	2.5	6	180	6	0~6	3	3.2	200×130×155	8	420×280×330	26	4800
XPS25-6-180	2	65	0.3	0.65	2.5	6	180	6	0~6	3						
XPS25-6-180	1	45	0.2	0.41	2.5	6	180	6	0~6	3						
XPS32-4-180	3	60	/	/	2	/	180	4	0~4	3.5						
XPS32-4-180	2	45	/	/	2	/	180	4	0~4	3.5						
XPS32-4-180	1	30	/	/	2	/	180	4	0~4	3.5						
XPS32-6-180	3	90	0.4	0.8	2.5	/	180	5	0~5	3.5	3.6	200×130×155	8	420×280×330	30	4800
XPS32-6-180	2	65	0.3	0.65	2.5	/	180	5	0~5	3.5						
XPS32-6-180	1	45	0.2	0.41	2.5	/	180	5	0~5	3.5						
XPS20-12-180	3	245	1.04	1.8	6	20	180	12	0~12	3						
XPS20-12-180	2	210	0.92	1.6	6	20	180	12	0~12	3	4.8				26	3200
XPS20-12-180	1	140	0.63	1.1	6	20	180	12	0~12	3						
XPS25-8-180	3	200	0.83	1.44	6	15	180	8	0~8	7						
XPS25-8-180	2	185	0.78	1.35	6	15	180	8	0~8	7						
XPS25-8-180	1	145	0.62	1.07	6	15	180	8	0~8	7						
XPS25-12-180	3	245	1.04	1.8	6	20	180	12	0~12	3.5	5	200×160×180	4	420×340×200	21	3200
XPS25-12-180	2	210	0.92	1.6	6	20	180	12	0~12	3.5						
XPS25-12-180	1	140	0.63	1.1	6	20	180	12	0~12	3.5						
XPS32-8-180	3	245	/	/	6	/	180	8	0~8	10						
XPS32-8-180	2	210	/	/	6	/	180	8	0~8	10	5.4				30	3200
XPS32-8-180	1	140	/	/	6	/	180	8	0~8	10						

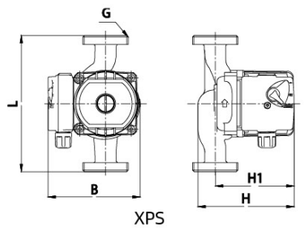
Components & Materials



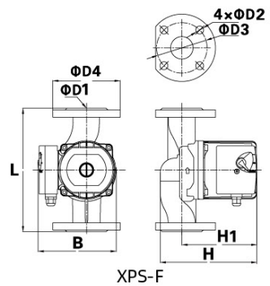
No.	Component	No.	Component
101	Pump body	970	Nameplate
412	Impeller	410-1	
596	O-ring	410-2	Rubber mat
621	Connecting piece	410-3	
811	Pump cover assembly	900-1	Vent cock
814	Flat gasket I	900-2	Hexagon socket head cap screw
821	Rotor assembly	900-3	Cross recessed pan head screw
833	Shield sleeve assembly	900-4	Cross recessed self-tapping screw
837	Flat gasket II		
840	Sheathed iron core with winding		

Dimensions

Model	Dim.(mm)									Unions Or Flange	N.W. (kg)
	H	H1	L	G	B	D1	D2	D3	D4		
XPS15-4-130	120	105	130	G¾"	125	-	-	-	-	G¾"to G½"	2.3
XPS15-6-130	120	102	140	G¾"	125	-	-	-	-	G¾"to G½"	2.3
XPS15-9-140	125	105	130	G¾"	105	-	-	-	-	G¾"to G½"	2.6
XPS20-4-130	130	105	130	G1"	130	-	-	-	-	G1"to G¾"	2.5
XPS20-6-130	130	105	130	G1"	130	-	-	-	-	G1"to G¾"	2.5
XPS25-4-130	130	105	130	G1½"	130	-	-	-	-	G1½"to G1"	2.8
XPS25-6-130	130	105	180	G1½"	130	-	-	-	-	G1½"to G1"	2.8
XPS25-4-180	130	105	180	G1½"	130	-	-	-	-	G1½"to G1"	3
XPS25-6-180	130	105	180	G1½"	130	-	-	-	-	G1½"to G1"	3
XPS32-4-180	130	105	180	G2"	130	-	-	-	-	G2"to G 1¼"	3.4
XPS32-6-180	130	105	180	G2"	130	-	-	-	-	G2"to G 1¼"	3.4
XPS20-12-180	160	135	180	G1"	150	-	-	-	-	G1"to G¾"	4.6
XPS25-8-180	160	130	180	G1½"	150	-	-	-	-	G1½"to G1"	4.8
XPS25-12-180	160	130	180	G1½"	150	-	-	-	-	G1½"to G1"	4.8
XPS32-8-180	170	130	180	G2"	150	-	-	-	-	G2"to G 1 ¼"	5.2



XPS



XPS-F

Copper pump body

Performance Range

15TH10-11H:
maximum flow: 20L/min, maximum head: 13m
15TE11-10H:
maximum flow: 22L/min, maximum head: 13m

Application Limits

Applied to tap water booster, water heater booster, shower booster and booster between water towers, etc.

Application Fields

◎ Transmission medium: Clear water and other liquids with properties similar to water
◎ Medium temperature range: 4℃-70℃; ambient temperature: 0℃-40℃;
◎ IP grade: IPX4;
◎ Maximum system pressure: 1.0MPa
◎ Medium pH: 6.5-8.5; the volume ratio of solid particles contained in transmission medium shall not exceed 0.1%, and the particle size shall not be greater than 0.2mm.
◎ Power supply voltage/frequency: 100-240V/50Hz-60Hz; DC 24V.
◎ Installation mode: Horizontally installed along motor shaft.

Features

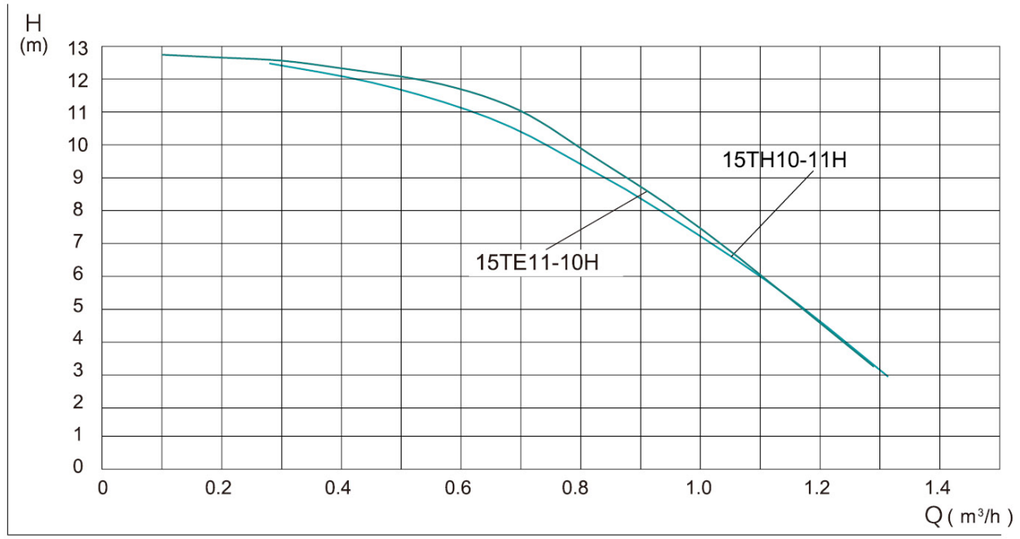
◎ Power-on start: Forcedly start the water pump for 16S after connecting the power cord and switching on the power.
◎ Automatic boosting: As the water flow signal reaches the start threshold (1.5L/min), the motor runs; before the water flow signal reaches the shutdown threshold (0.5L/min), the motor continues to run for pipeline boosting.
◎ Auto off: After water flow signal reaches the shutdown threshold (0.5L/min), the motor stops running.

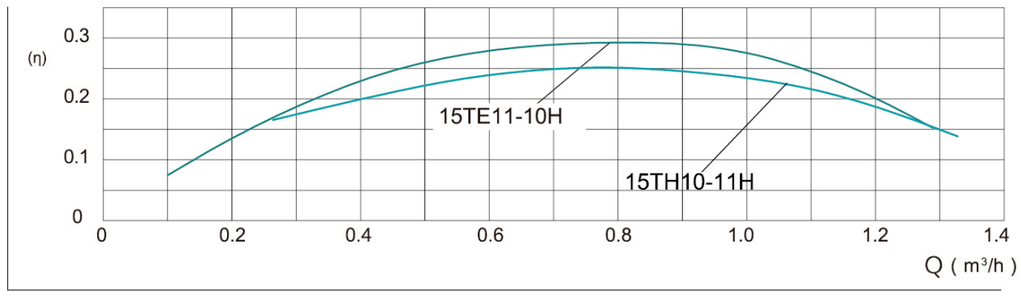
Model Instruction

15 TH 10- 11 H

- Supplementary identifications (P: plastic pump body; H: copper pump body: T: iron pump body)
- Rated head (m)
- Rated flow (L/min)
- Product series code, small household booster pumps of TG, TY, TH, TE, TC and other series
- Supporting pipe diameter (mm)

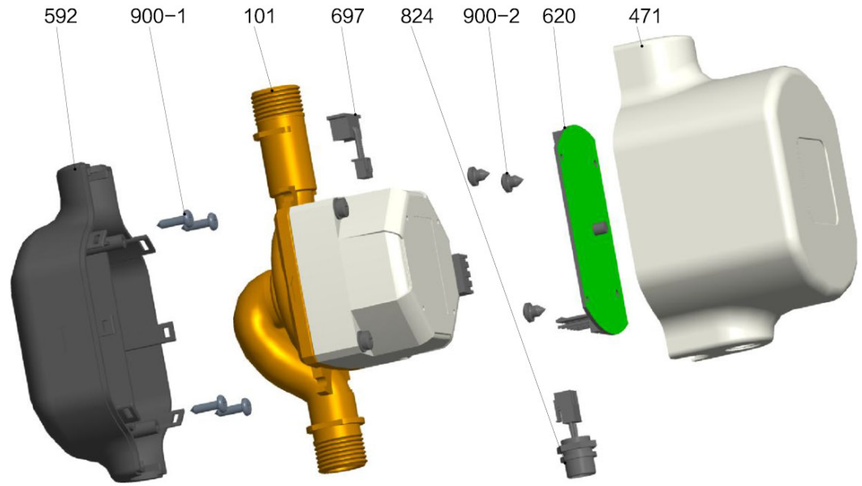
Performance Curve



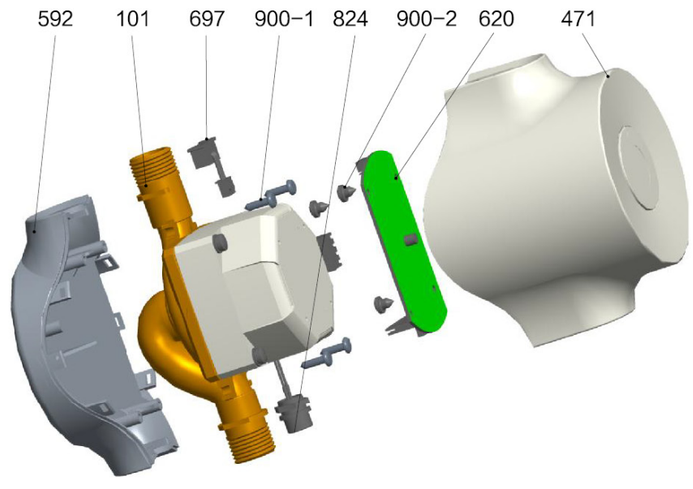


Model	Speed	Input power P1(W)	Current(A)	Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
								G.W. (kg)	Dim.(L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
15TH10-11H	1	72	3	15	13	11	10	1.6	180×165×115	8	370×340×260	14	**
15TE11-10H	1	72	3	15	13	10	11	1.6	180×165×115	8	370×340×260	14	**

Components & Materials

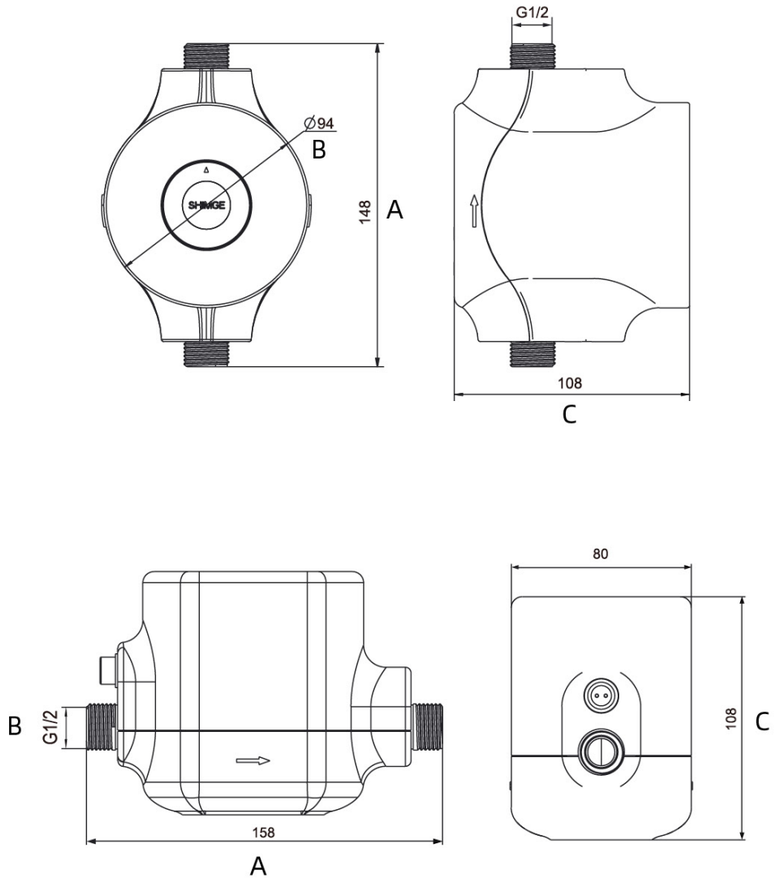


No.	Component	No.	Component
900-2	Self-tapping screw of cross recessed pan head	620	Control panel
900-1	Self-tapping screw of cross recessed pan head	592	Lower shell
824	Cable joint	471	Upper shell
697	Inductive shell	101	Built-in water pump



No.	Component	No.	Component
900-2	Self-tapping screw of cross recessed pan head	620	Lamp panel
900-1	Self-tapping screw of cross recessed pan head	592	Lower shell
824	Cable joint	471	Upper shell
697	Inductive shell	101	Built-in water pump

Dimensions



Model	Dim.(mm)			Unions Or Flange	N.W. (kg)
	A	B	C		
15TH10-11H	148	94	108	G1/2	1.1
15TE11-10H	158	81	108	G1/2	1.1

Little Flying Dragon

Performance Range

15TG10-10P:
maximum flow: 20L/min, maximum head: 12m
15TG10-14P:
maximum flow: 22L/min, maximum head: 16m

Application Limits

Applied to tap water booster, water heater booster, shower booster and booster between water towers, etc.

Application Fields

◎ Transmission medium: Clear water and other liquids with properties similar to water
◎ Medium temperature range: 4℃-70℃; ambient temperature: 0℃-40℃;
◎ IP grade: IPX4;
◎ Maximum system pressure: 1.0MPa
◎ Medium pH: 6.5-8.5; the volume ratio of solid particles contained in transmission medium shall not exceed 0.1%, and the particle size shall not be greater than 0.2mm.
◎ Power supply voltage/frequency: 100-240V/50Hz-60Hz; DC 24V/36V.
◎ Installation mode: Horizontally installed along motor shaft.

Features

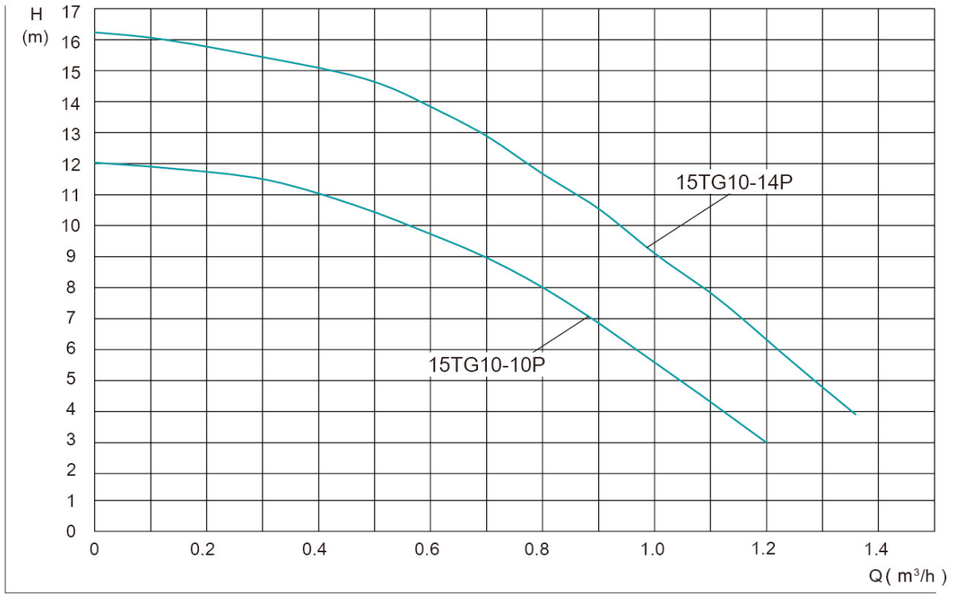
◎ Power-on start: Forcedly start the water pump for 20S after connecting the power cord and switching on the power.
◎ Automatic boosting: As the water flow signal reaches the start threshold (1.5L/min), the motor runs; before the water flow signal reaches the shutdown threshold (0.5L/min), the motor continues to run for pipeline boosting.
◎ Auto off: After water flow signal reaches the shutdown threshold (0.5L/min), the motor stops running.

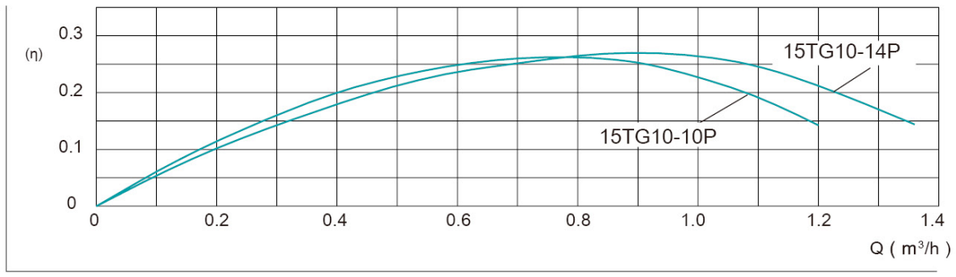
Model Instruction

15 TG 10- 10 P

- P: Supplementary identifications (P: plastic pump body; H: copper pump body: T: iron pump body)
- 10: Rated head (m)
- 10-: Rated flow (L/min)
- TG: Product series code, small household booster pumps of TG, TY, TH, TE, TC and other series
- 15: Supporting pipe diameter (mm)

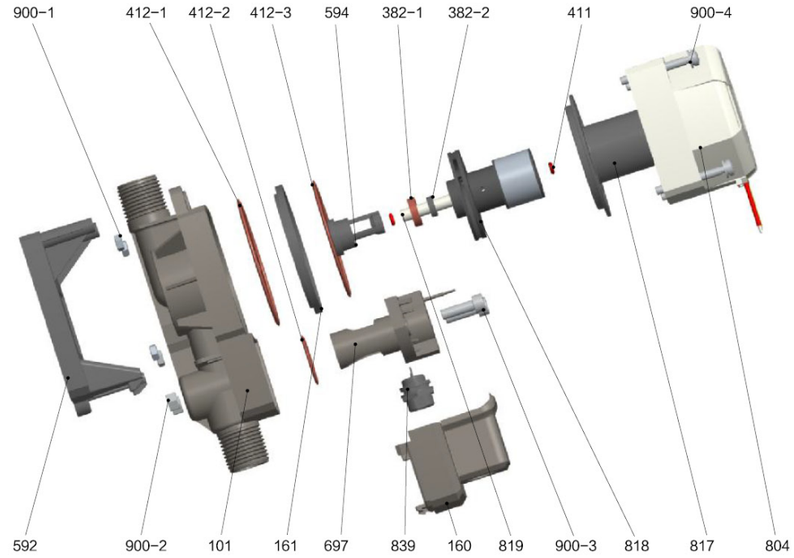
Performance Curve





Model	Speed	Input power P1(W)	Current(A)	Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
								G.W. (kg)	Dim.(L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
15TG10-10P	1	72	2.7	15	12	10	10	1.2	180×145×115	12	465×370×250	15	**
15TG10-14P	1	100	2.5	15	16	14	10	1.3	180×145×115	12	465×370×250	16	**

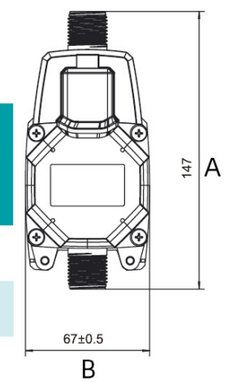
Components & Materials

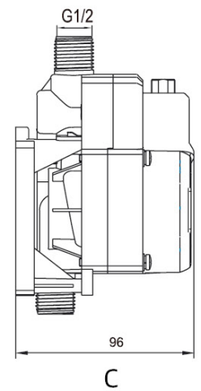


No.	Component	No.	Component
900-4	Pan head screw group of cross recess	592	Support plate
900-3	Hexagon socket cap screw	412-3	O-sealing ring
900-2	Hexagon nut, style 1	412-2	O-sealing ring
900-1	Hexagon nut	412-1	O-sealing ring
839	Aviation plug	411	Outer diameter of shock pad
819	Shaft	382-2	Thrust bearing
818	Runner	382-1	Thrust bearing sleeve
817	Housing	161	Pump cover
804	Plastic package motor	160	Shield
697	Built-in flow switch	101	Pump body
594	Support pillar		

Dimensions

Model	Dim.(mm)			Unions Or Flange	N.W. (kg)
	A	B	C		
15TG10-10P	147	67	96	G1/2	0.6
15TG10-14P	147	67	96	G1/2	0.6





Little White Dolphin

Performance Range

15TC10-10P:
maximum flow: 20L/min, maximum head: 12m
15TC10-14P:
maximum flow: 22L/min, maximum head: 16m

Application Limits

Applied to tap water booster, water heater booster, shower booster and booster between water towers, etc.

Application Fields

◎ Transmission medium: Clear water and other liquids with properties similar to water;
◎ Medium temperature range: 4℃-50℃; ambient temperature: 0℃-40℃; IP grade: IPX4;
◎ Maximum system pressure: 1.0MPa
◎ Medium pH: 6.5-8.5; the volume ratio of solid particles contained in transmission medium shall not exceed 0.1%, and the particle size shall not be greater than 0.2mm.
◎ Power supply voltage/frequency: 100-240V/50Hz-60Hz; DC 24V/36V.
◎ Installation mode: Horizontally installed along motor shaft.

Features

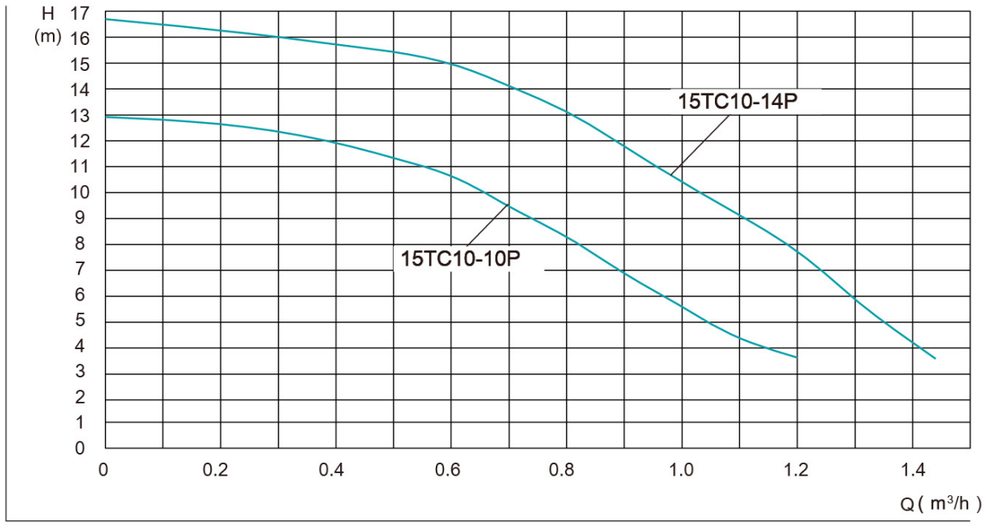
◎ Power-on start: Forcedly start the water pump for 16S after connecting the power cord and switching on the power.
◎ Automatic boosting: As the water flow signal reaches the start threshold (1.5L/min), the motor runs; before the water flow signal reaches the shutdown threshold (0.5L/min), the motor continues to run for pipeline boosting.
◎ Auto off: After water flow signal reaches the shutdown threshold (0.5L/min), the motor stops running.

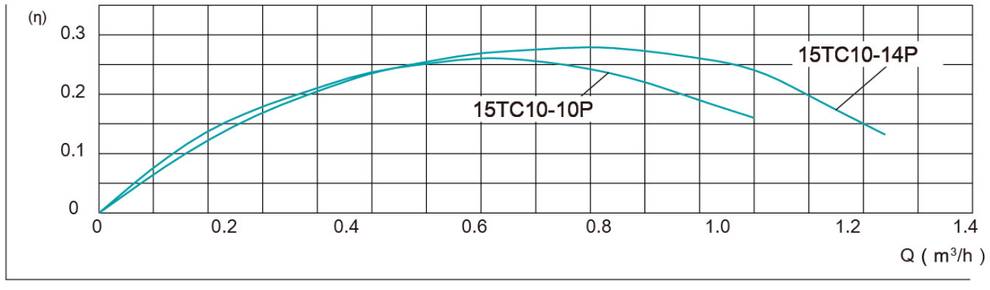
Model Instruction

15 TC 10 - 10 P

- P: Supplementary identifications (P: plastic pump body; H: copper pump body: T: iron pump body)
- 10: Rated head (m)
- 10: Rated flow (L/min)
- TC: Product series code, small household booster pumps of TG, TY, TH, TE, TC and other series
- 15: Supporting pipe diameter (mm)

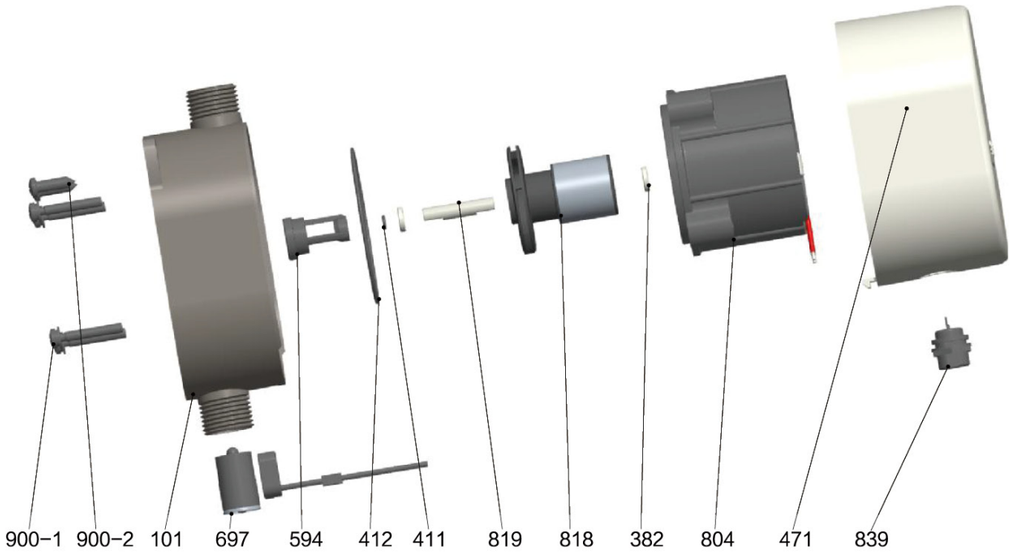
Performance Curve





Model	Speed	Input power P1(W)	Current(A)	Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
								G.W. (kg)	Dim.(L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
15TC10-10P	1	72	2.7	15	12	10	10	1.1	180×145×115	12	465×370×250	14	**
15TC10-14P	1	100	2.5	15	16	14	10	1.2	180×145×115	12	465×370×250	15	**

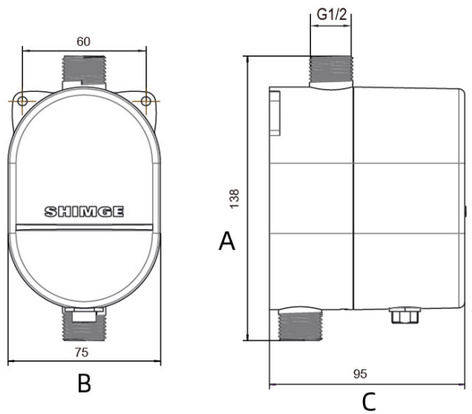
Components & Materials



No.	Component	No.	Component
900-2	Self-tapping screw of cross recessed pan head	594	Support pillar
900-1	Pan head screw group of cross recess	471	Upper shell
839	Aviation plug	412	O-sealing ring
819	Shaft	411	Outer diameter of shock pad
818	Runner	382	Ceramic chip
804	Filling and sealing motor	101	Pump body
697	Flow switch		

Dimensions

Model	Dim.(mm)			Unions Or Flange	N.W. (kg)
	A	B	C		
15TC10-10P	138	75	95	G1/2	0.7
15TC10-14P	138	75	95	G1/2	0.7



Treasure Box

Performance Range

maximum flow: 37L/min, maximum head: 13m

Application Limits

Applied to tap water booster, water heater booster, shower booster and booster between water towers, etc.

Application Fields

◎ Transmission medium: Clear water and other liquids with properties similar to water;
◎ Medium temperature range: 4℃-50℃; ambient temperature: 0℃-40℃;
◎ IP grade: IPX4;
◎ Maximum system pressure: 1.0MPa
◎ Medium pH: 6.5-8.5; the volume ratio of solid particles contained in transmission medium shall not exceed 0.1%, and the particle size shall not be greater than 0.2mm.
◎ Power supply voltage/frequency: 100-240V/50Hz-60Hz; DC 36V.
◎ Installation mode: Horizontally installed along motor shaft.

Features

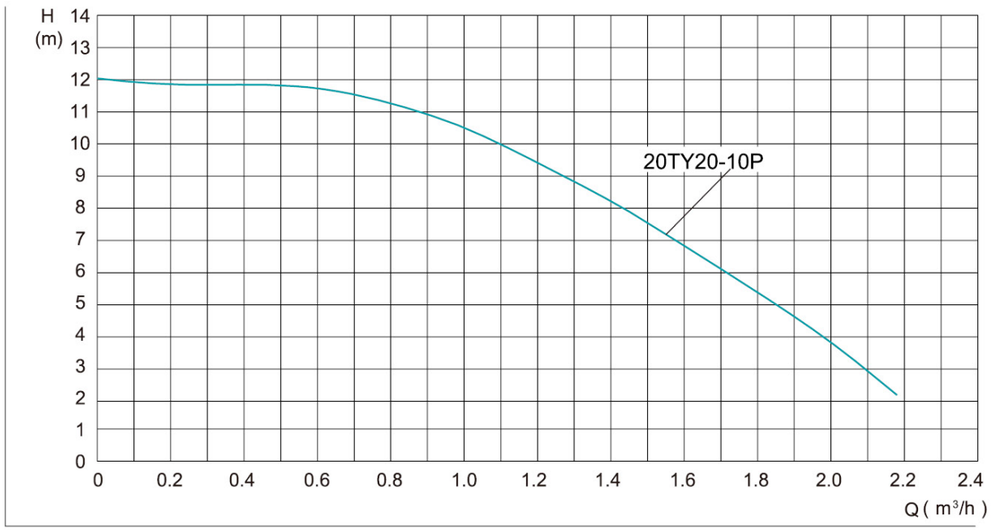
◎ Power-on start: Forcedly start the water pump for 16S after connecting the power cord and switching on the power.
◎ Automatic boosting: As the water flow signal reaches the start threshold (3L/min), the motor runs; before the water flow signal reaches the shutdown threshold (2L/min), the motor continues to run for pipeline boosting.
◎ Auto off: After water flow signal reaches the shutdown threshold (2L/min), the motor stops running.

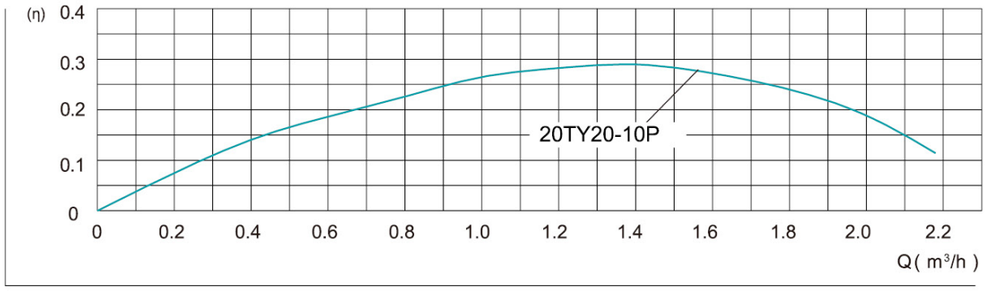
Model Instruction

20 TY 20- 10 P

- P: Supplementary identifications (P: plastic pump body; H: copper pump body: T: iron pump body)
- 10: Rated head (m)
- 20-: Rated flow (L/min)
- TY: Product series code, small household booster pumps of TG, TY, TH, TE, TC and other series
- 20: Supporting pipe diameter (mm)

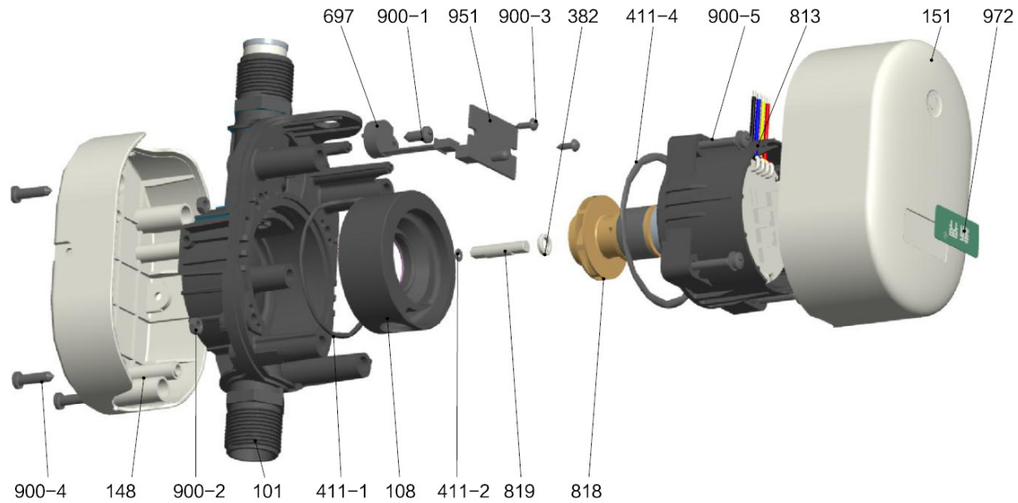
Performance Curve





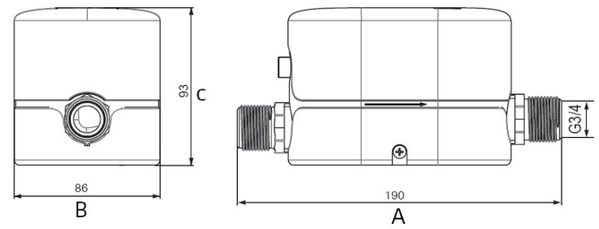
Model	Speed	Input power P1(W)	Current(A)	Pipe Distance (mm)	Max. Head (m)	Whole Lift (m)	Max. flow (m³/h)	Inter Box		Outer Box			20" Loading Qty (pcs)
								G.W. (kg)	Dim.(L×W×H)	PCS/ CTN	Dim (L×W×H)	G.W. (kg)	
20TY20-10P	1	100	2.8	20	13	10	20	1.4	180×190×115	8	410×380×260	12	**

Components & Materials



No.	Component	No.	Component
972	Tags of Shimge	697	Flow sensor component
951	Keyboard plate	411-4	O-sealing ring
900-5	Pan head screw group of cross recess	411-2	Outer diameter of shock pad
900-4	Self-tapping screw of cross recessed pan head	411-1	Seal ring of pump body
900-3	Self-tapping screw of cross recessed pan head	382	Ceramic chip
900-2	Hexagon nut, style 1	151	Upper cover
900-1	Self-tapping screw of cross recessed pan head	148	Base
819	Shaft	108	Pump core
818	Runner	101	External pump body
813	Filling and sealing stator		

Dimensions



Model	Dim.(mm)			Unions Or Flange	N.W. (kg)
	A	B	C		
20TY20-10P	190	86	93	G3/4	0.8

	Model	Dimension (cm)
	VC-19L	27×27×40
	VC-24L	27×27×46

	Model	Dimension (cm)
	VS-23L	33×33×33
	VS-24L	36×36×34

	Model	Dimension (cm)
	HC-24L	31×28×40
	HC-36L	38×36×43
	HC-50L	55×36×38
	HC-60L	48×46×49
	HC-80L	48×46×60
	HC-100L	48×46×68

	Model	Dimension (cm)
	VCF-60L	46×46×65
	VCF-80L	46×46×76
	VCF-100L	46×46×85

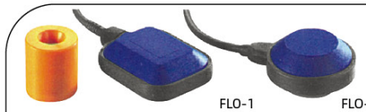
	Model	Connection
	3-way	1"
	4-way	1"
	5-way	1"

	PS-02A	PS-02B	PS-02C
	1.4-2.8 bar	1.4-2.8 bar	1.4-2.8 bar
	2.1-3.5bar	2.1-3.5bar	female/male
	2.8-4.3bar	2.8-4.3bar	
	female/male	3.5-5.6bar	
		4.9-7.2bar	
		female/male	

	SIZE \ Model	PG-P	PG-SS	PG-S
	40mm	PG-40	PG-SS 40	PG-S 40
	50mm	PG-50	PG-SS 50	PG-S 50

THREE TYPES OF SHELL: (1) PG-P:plastic (2) PG-SS:stainless steel (3) PG-S:steel
THE CONNECTIONS HAVE TWO TYPES: (1)G 1/4" (2)M10x1
FOR 40MM GAUGE,THE SCALE IS 0-10 BAR OR 0-6 BAR

TWO TYPES OF CONNECTIONS: A:BACK CONNECTION B:BOTTOM CONNECTION FOR 40MM GAUGE, THE SCALE IS 0-6 BAR

	Model	VOLTAGE	CURRENT	AMBIENT TEMPERTURE
 FLO-1 FLO-2	FLO-1	220V-240V	8A	0-80℃
	FLO-2	220V-240V	8A	0-80℃

	Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
	PS-01	220V-240V	50/60Hz	10A	1"×1"	IP 65
		110V-115V				

	Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
	PS-01A	220V-240V	50/60Hz	10A	1"×1"	IP 65
		110V-115V				

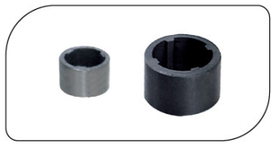
	Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
	PS-01B	220V-240V	50/60Hz	12A	1"×1"	IP 65
		110V-115V				

	Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
	PS-01C	220V-240V	50/60Hz	12A	1"×1"	IP 65
		110V-115V				

Shaft

Lining

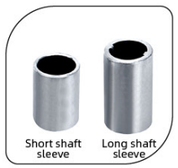
Bearing inner



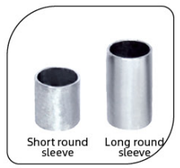
Cartridge mechanical seal

Coupling

Shaft sleeve



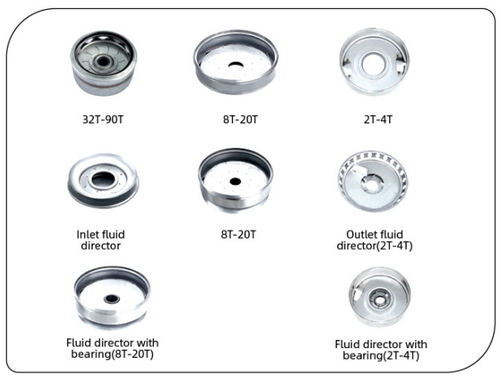
Round sleeve



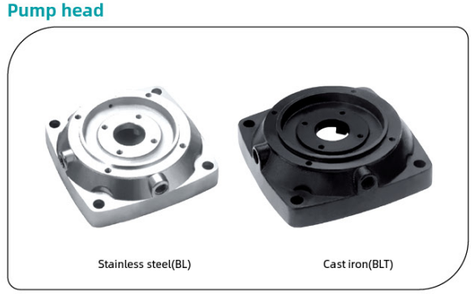
Base plate

Pump base

Fluid director



Pump head



Motor base

Impeller

No.	Unions On Request / Standardized	Material	Picture	Models
1	3/4" to 1/2"	Brass or Cast Iron		XPH15-4/6-130, ZP15-9-160, ZPS15-9-140, XPS15-4/6-130 XPS15-9-140
2	1" to 1/2"	Brass or Cast Iron		APS20-4/6-130, XPH20-4/6-130, XPS20-12-180 XPS20-4/6-130, XPS20-12-180
3	$1\frac{1}{2}$" to 1"	Cast Iron		APS25-4/6-130, APS25-4/6-180, XPS25-4/6-130 XPS25-4/6-180, XPH25-4/6-130, XPH25-4/6-180 XPS25-8-180, XPS25-12-180, XPP25-12-200,XP25-16-220
4	2" to $1\frac{1}{4}$"	Cast Iron		APS32-4/6-180, XPS32-4/6-180, XPH32-4/6-180,XPS32-8-180, XP32-9/12-220, XP32-16/18-230
5	(DN40)	Cast Iron		XP40-9F-250, XP40-12F-250 XP40-16F-250, XP40-18F-250
6	(DN50)	Cast Iron		XP50-9F-280, XP50-12F-280 XP50-16F-280
7	(DN65)	Cast Iron		XP65-9F-300, XP50-12F-300
8	Support	Stainless steel		XPS/XPH15/20/25/32-4/5/6, Z(X)PS15-9
9	Support	Stainless steel		X(Z)PS20-12-180, XPS25-8/12-180, XPS32-8-180