



Integrity
Innovation
Improvement



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Ecotech Green Technology Co., Ltd.
(MANUFACTURE IN TAIWAN)

Design, Manufacture, Installation, Maintenance and Sales of Various Submersible Pumps.



HENG LONG ELECTRIC CO., LTD.

RESEARCH, DEVELOPMENT AND MANUFACTURE IN TAIWAN



- UKAS ISO 9001:2008 INTERNATIONAL QUALITY SYSTEM IN UK
- CNS NO. 8080 APPROVAL OF PRODUCT QUALITY IN TAIWAN
- CE APPROVAL OF EURO

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■ PROFILE

Heng Long Electric Co., Ltd. is one of the superior professional manufacturers in Taiwan. With growing pump industry in Taiwan, we own a reputable brand, “HENG LONG PUMP”. Moreover, we have more than 30 year experiences in designing, researching, developing and innovating. We not only insist to use high quality materials, but also adopt professional detection equipments to monitor producing process to ensure our pumps are reliable and excellent.

So far our products are used in various scopes, such as wastewater treatment, farm-irrigation, aquaculture industries, people's livelihood...etc.

■ Past History

- 1981 founded Heng Long Co., Ltd.; dedicated in R&D, designing and manufacturing.
- 2000 founded Taiwan Pump Co., Ltd. for expanding operation and markets in Taiwan.

■ Quality Policy

Quality is not only always our supreme spirit to perform and maintain, but also it is our mission as well.

■ Business Thought

- Integrity** is the foundation of culture and business; all activities are performed based upon sincerity.
- Innovation** is the key point of growth and development; the operation system of entire organization is based on the innovation.
- Improvement** is the product performance and working process, by non-stopping improvement in which is able to achieve final organizational goals.



Non-Clog Stainless Steel SUS#316 Sewage Submersible Pump

P-1052
P-3052
P-112
P-312



P-123
P-323



P-333
P-353



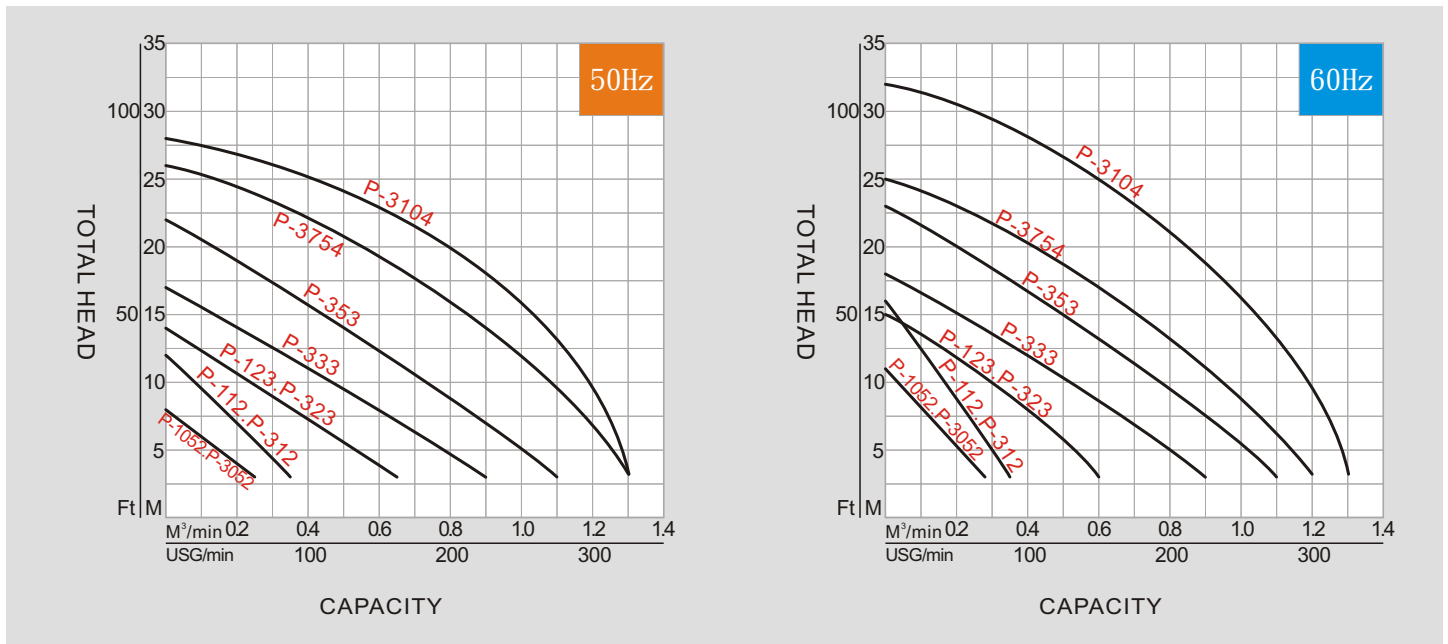
P-3754
P-3104



APPLICATION

1. Wastewater lift station, municipal wastewater treatment plant.
2. Building wastewater treatment system.
3. Piggery excrement, animal & poultry farm.
4. School, hospital, community wastewater treatment system.
5. Food, paper, mining, textile, leather industry wastewater treatment system.

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	P Weight	TUS-P Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M ³ /min	M ³ /min	KG	KG	mm					
TUS-P-1052	50	60	1Ø	½	0.4	2"	50	2P/2850	2P/3450	5 M	6 M	0.15	0.15	0.25	0.28	15	26	35
TUS-P-3052	50	60	3Ø	½	0.4	2"	50	2P/2850	2P/3450	5 M	6 M	0.15	0.15	0.25	0.28	15	26	35
TUS-P-112	50	60	1Ø	1	0.75	2"	50	2P/2850	2P/3450	8 M	8 M	0.18	0.22	0.35	0.35	18	29	35
TUS-P-312	50	60	3Ø	1	0.75	2"	50	2P/2850	2P/3450	8 M	8 M	0.18	0.22	0.35	0.35	18	29	35
TUS-P-123	50	60	1Ø	2	1.5	3"	80	2P/2850	2P/3450	9 M	10M	0.30	0.30	0.65	0.6	36	54	40
TUS-P-323	50	60	3Ø	2	1.5	3"	80	2P/2850	2P/3450	9 M	10M	0.30	0.30	0.65	0.6	35	53	40
TUS-P-333	50	60	3Ø	3	2.2	3"	80	2P/2850	2P/3450	11M	12M	0.40	0.40	0.90	0.9	42	60	45
TUS-P-353	50	60	3Ø	5	3.7	3"	80	2P/2850	2P/3450	14M	15M	0.50	0.50	1.10	1.10	45	63	40
TUS-P-3754	50	60	3Ø	7½	5.5	4"	100	2P/2850	2P/3450	16M	17M	0.80	0.60	1.30	1.20	55	73	50
P-3104	50	60	3Ø	10	7.5	4"	100	2P/2850	2P/3450	20M	20M	0.80	0.85	1.30	1.30	60		50

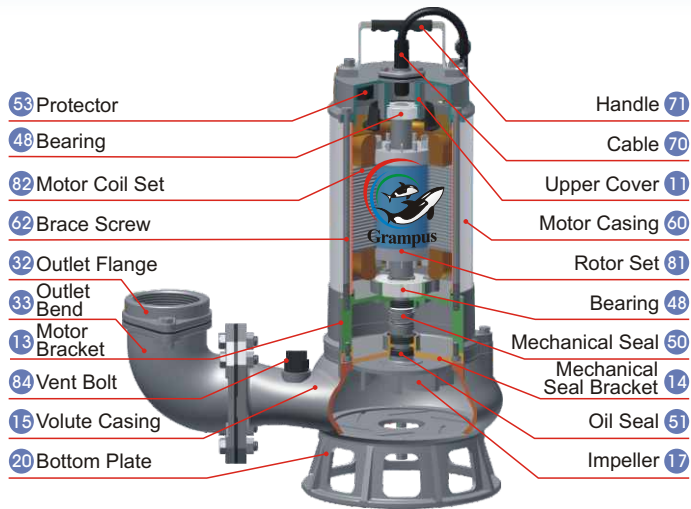
*For supplying water stably, over 10HP pumps of P series are not with lift frame, but selecting AS series is better.



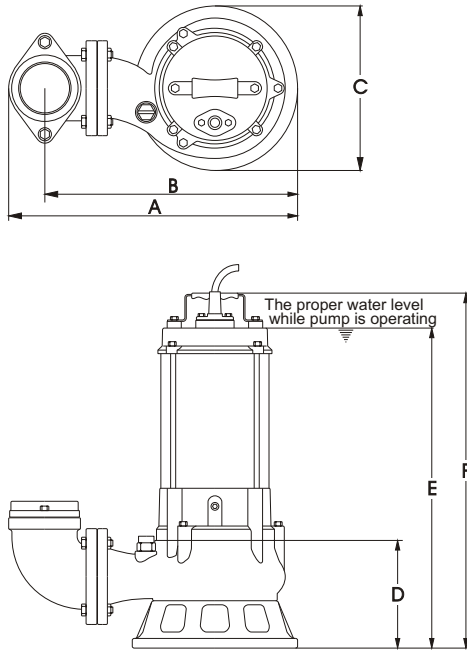
Non-Clog Stainless Steel SUS#316 Sewage Submersible Pump



STRUCTURAL DRAWING



DIMENSION



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm · 80mm · 100mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Available to deal with wastewater of building, sewer and industrial wastewater of food, paper, mining, textile, leather, dyeing and metal.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Vortex Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	SUS-316
		Bearing	Heavy-duty bearing
		Impeller	SUS-316
		Volute Casing	SUS-316
		Motor Bracket	SUS-316
		Mechanical Seal Bracket	SUS-316
		Strainer/Bottom Plate	SUS-304(0.5-1HP)/SUS-316(2-10HP)
	Seal	Lubricant	ISO VG. # 32
Motor Side		Carbon/Ceramic	
Pump Side		Silicon Carbide/Silicon Carbide	
Automatic lifting frame device		SUS#304	
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C) / F class (7.5-10HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-316
		Main Shaft	SUS-316
		Cable	Standard VCT/Optional

*Spare parts and material of pump could be made by request.

Unit:mm

TYPE	A	B	C	D	E	F
P-1052	235	195	160	105	355	405
P-3052	235	195	160	105	330	385
P-112	235	195	160	105	385	440
P-312	235	195	160	105	360	395
P-123	310	260	205	120	475	530
P-323	310	260	205	120	425	475
P-333	425	370	230	195	465	530
P-353	425	370	230	195	490	550
P-3754	500	395	230	225	515	585
P-3104	500	395	230	225	535	605



Applied in chemical industries



Real operation in sewage plant



Non-Clog Sewage Submersible Pump

B-1052
B-3052
B-112
B-312



B-113
B-313



B-123



B-323
B-333
B-353



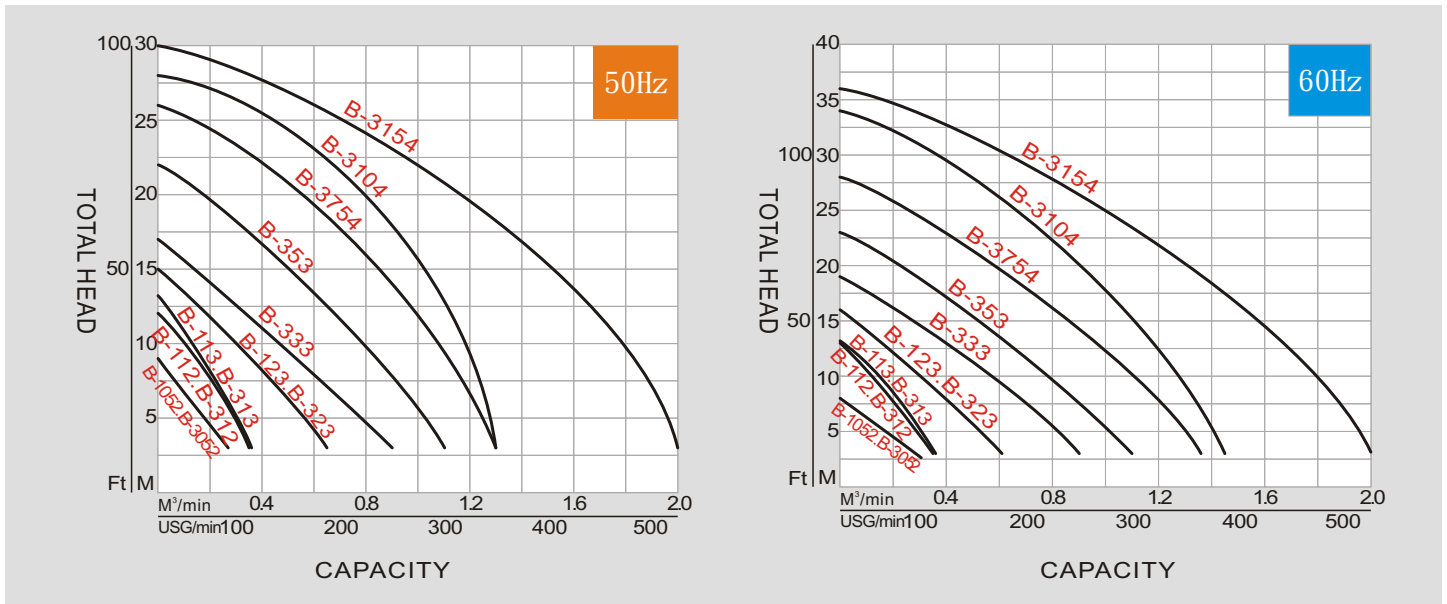
B-3754
B-3104
B-3154



APPLICATION

1. Wastewater lift station, municipal wastewater treatment plant.
2. Building wastewater treatment system.
3. Piggery excrement, animal & poultry farm.
4. School, hospital, community wastewater treatment system.
5. Food, paper, mining, textile, leather industry wastewater treatment system.

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency		Phase	Power		Caliber		Pole/Rotation		Std. Head		Std. Flow		Max. Flow	B Weight	TOS-B Weight	Solid Passage	
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm		M	M	M³/min	M³/min	M³/min	KG	KG	mm		
TOS-B-1052	50	60	1Ø	½	0.4	2"	50	2P/2850	2P/3450	5 M	5 M	0.16	0.17	0.27	0.29	18	27	35
TOS-B-3052	50	60	3Ø	½	0.4	2"	50	2P/2850	2P/3450	5 M	5 M	0.16	0.17	0.27	0.29	17	26	35
TOS-B-112	50	60	1Ø	1	0.75	2"	50	2P/2850	2P/3450	8 M	8 M	0.19	0.19	0.35	0.36	20	29	35
TOS-B-312	50	60	3Ø	1	0.75	2"	50	2P/2850	2P/3450	8 M	8 M	0.19	0.19	0.35	0.36	20	29	35
TOS-B-113	50	60	1Ø	1	0.75	3"	80	2P/2850	2P/3450	5 M	5 M	0.30	0.30	0.36	0.37	21		35
TOS-B-313	50	60	3Ø	1	0.75	3"	80	2P/2850	2P/3450	5 M	5 M	0.30	0.30	0.36	0.37	21		35
TOS-B-123	50	60	1Ø	2	1.5	3"	80	2P/2850	2P/3450	10M	10M	0.30	0.31	0.65	0.61	35	55	40
TOS-B-323	50	60	3Ø	2	1.5	3"	80	2P/2850	2P/3450	10M	10M	0.30	0.31	0.65	0.61	34	54	40
TOS-B-333	50	60	3Ø	3	2.2	3"	80	2P/2850	2P/3450	11M	13M	0.40	0.40	0.90	0.90	41	61	45
TOS-B-353	50	60	3Ø	5	3.7	3"	80	2P/2850	2P/3450	14M	15M	0.50	0.52	1.10	1.10	45	65	40
TOS-B-3754	50	60	3Ø	7½	5.5	4"	100	2P/2850	2P/3450	16M	18M	0.80	0.70	1.30	1.36	55	75	50
TOS-B-3104	50	60	3Ø	10	7.5	4"	100	2P/2850	2P/3450	20M	20M	0.80	0.90	1.30	1.45	60	80	50
B-3154	50	60	3Ø	15	11	4"	100	2P/2850	2P/3450	22M	25M	1.00	1.00	2.00	2.00	75		50

*For supplying water stably, over 15HP pumps of B series are not with lift frame, but selecting AS series is better.

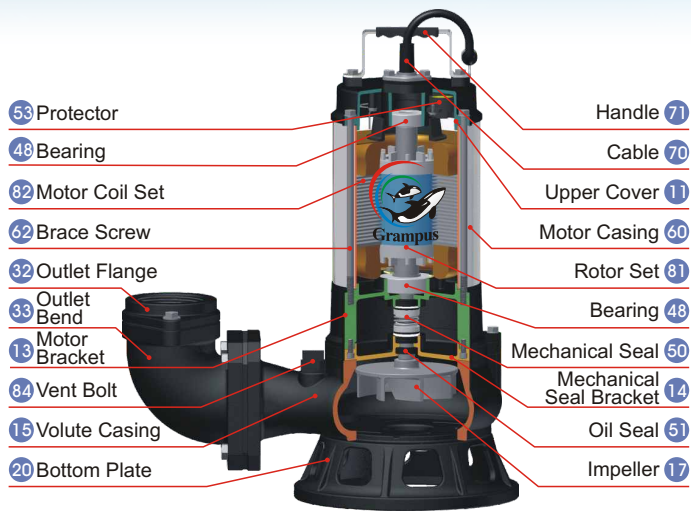
*B series 2、3、5 HP models, the choice of single wing semi-open impeller is at option.



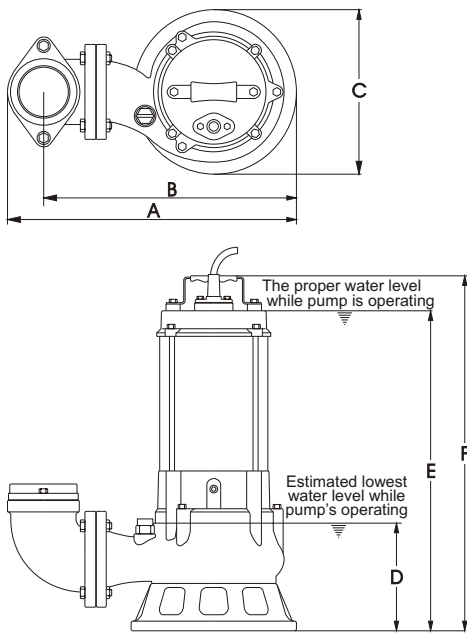
Non-Clog Sewage Submersible Pump



STRUCTURAL DRAWING



DIMENSION



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm · 80mm · 100mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Available to deal with wastewater of building, sewer and industrial wastewater of food, paper, mining, textile, leather, dyeing and metal.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Vortex Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	FC-200
		Volute Casing	FC-200
		Bottom Plate	FC-200/PP+Fiber
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
	Seal	Lubricant	ISO VG. # 32
Motor Side		Carbon/Ceramic	
Pump Side		Silicon Carbide/Silicon Carbide	
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C) / F class (7.5-15HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-403/SUS-410/SUS420
Cable	Standard VCT/Optional		

*Spare parts and material of pump could be made by request.

Unit:mm

TYPE	A	B	C	D	E	F
B-1052	240	205	185	130	360	410
B-3052	240	205	185	130	330	385
B-112	240	205	185	130	390	445
B-312	240	205	185	130	365	420
B-113	270	220	185	130	390	445
B-313	270	220	185	130	365	420
B-123	325	275	220	135	505	560
B-323	400	350	220	200	450	490
B-333	445	390	250	200	465	530
B-353	445	390	250	200	485	560
B-3754	535	430	250	220	515	590
B-3104	535	430	250	220	535	610
B-3154	550	445	285	230	600	680



Installed on the wastewater treatment station



Building wastewater treatment system

AS-323



AS-333
AS-353



AS-3754
AS-3104



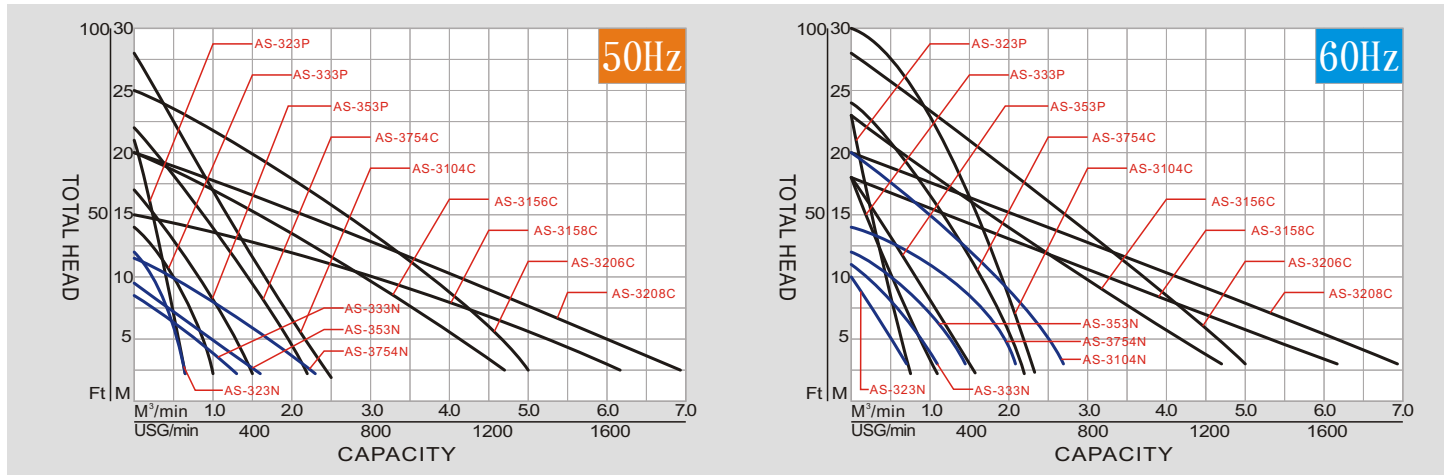
AS-3156
AS-3158
AS-3206
AS-3208



APPLICATION

1. Building wastewater treatment system, sewage treatment plant, community market, sanitary sewer.
2. Drainage wastewater from paper industry, dyeing industry, food-stuff industry, leather industry and iron and steel industry.
3. Fishery, animal husbandry, dairy farm, piggery, fecal sewage tank and industry water supply.
4. Other sewage or sump treatment system.

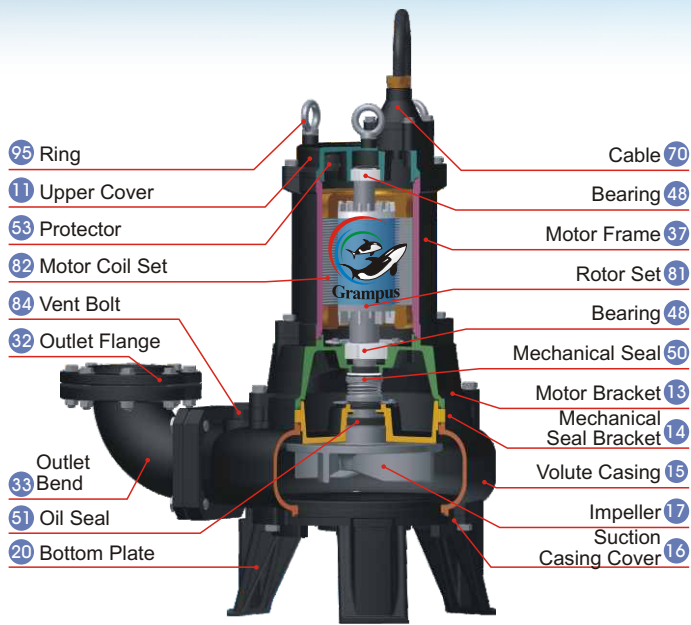
PERFORMANCE CURVE



SPECIFICATION

Model	Type	Frequency	Phase	Start Method	Power	Caliber	Pole/Rotation	Std. Head	Std. Flow	Max. Flow	AS Weight	TOS-AS Weight	Solid Passage		
Impeller	TYPE	Hz	PH		HP KW	Inch mm	P/rpm	M	M³/min	M³/min	KG	KG	mm		
Semi-open Impeller	TOS-AS-323P	50	60	3Ø	Direct	2 1.5	3" 80	2P/2850 2P/3450	7M 8 M	0.5 0.5	0.65 0.78	42	67	32	
	TOS-AS-333P	50	60	3Ø	Direct	3 2.2	3" 80	4P/1425 4P/1725	10M 10M	0.5 0.5	1.00 1.21	72	100	50	
	TOS-AS-353P	50	60	3Ø	Direct	5 3.7	3" 80	4P/1425 4P/1725	13M 13M	0.5 0.5	1.50 1.58	76	104	70	
Channel Impeller	TOS-AS-3754C	50	60	3Ø	Direct	7½ 5.5	4" 100	4P/1425 4P/1725	14M 17M	1.0 1.0	2.20 2.23	145	173	48	
	TOS-AS-3104C	50	60	3Ø	Direct	10 7.5	4" 100	4P/1425 4P/1725	17M 23M	1.0 1.0	2.50 2.32	150	178	48	
	TOS-AS-3156C	50	60	3Ø	Y-Δ	15 11	6" 150	4P/1425 4P/1725	12M 12M	2.5 2.5	4.70 4.70	265	315	70	
	TOS-AS-3158C	50	60	3Ø	Y-Δ	15 11	8" 200	4P/1425 4P/1725	7 M 7M	4.5 4.5	6.17 6.17	270	325	80	
	TOS-AS-3206C	50	60	3Ø	Y-Δ	20 15	6" 150	4P/1425 4P/1725	16M 16M	2.5 2.5	5.00 5.00	280	330	70	
	TOS-AS-3208C	50	60	3Ø	Y-Δ	20 15	8" 200	4P/1425 4P/1725	9 M 9 M	4.5 4.5	6.95 6.95	285	340	80	
Non-clog Impeller	TOS-AS-323N	50	60	3Ø	Direct	2 1.5	3" 80	2P/2850 2P/3450	6 M 5 M	0.5 0.5	0.65 0.72	42	67	45	
	TOS-AS-333N	50	60	3Ø	Direct	3 2.2	3" 80	4P/1425 4P/1725	6 M 8 M	0.6 0.5	1.30 1.18	71	99	57	
	TOS-AS-353N	50	60	3Ø	Direct	5 3.7	3" 80	4P/1425 4P/1725	6 M 10M	0.7 0.5	1.60 1.45	75	103	42	
	TOS-AS-3754N	50	60	3Ø	Direct	7½ 5.5	4" 100	4P/1425 4P/1725	8 M 11M	1.0 1.0	2.30 2.12	143	171	65	
	TOS-AS-3104N		60	3Ø	Direct	10 7.5	4" 100		4P/1725	15M		1.0	2.68	148	176

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Caliber		80mm · 100mm · 150mm · 200mm		
Temperature		Epoxy		
Liquid	Temperature	0°C~40°C (32°F~104°F)		
	Application	Drainage of wastewater of building, farming, animal husbandry, Industry and sewer.		
	The lowest depth	▽30 M		
Pump	Structure	Impeller	Semi-open · Channel · Vortex Impeller	
		Seal	Dual Mechanical Seal	
	Material	Upper Cover	FC-200	
		Bearing	Heavy-duty bearing	
		Impeller	FCD-450	
		Volute Casing	FC-200	
		Suction Casing Cover	FC-200	
		Bottom Plate	FC-200	
		Seal	Lubricant	ISO VG. # 32
			Motor Side	Carbon / Ceramic
Pump Side	Silicon Carbide / Silicon Carbide			
Inner Protector	Percipence Instrument of seal leakage			
Motor	Type	Submersible dry type		
	Insulation class	F class (155°C)		
	Inner protector	2-10HP: Auto Reset Motor Protector		
		15-20HP: Miniature Thermal Protector		
	Material	Casing	FC-200	
Main Shaft		SUS-403 / SUS-410 / SUS420		
Cable		Standard VCT / Optional		

*Spare parts and material of pump could be made by request.

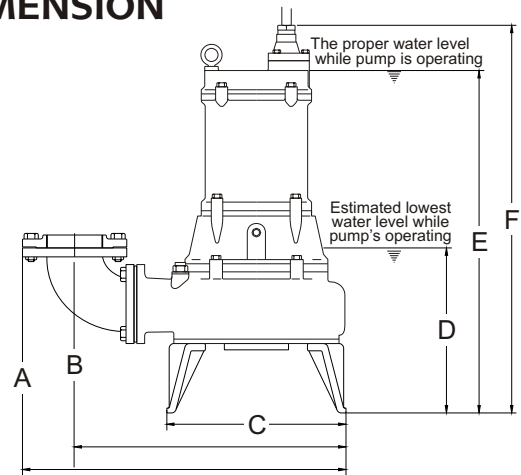


Installed on the municipal wastewater treatment plant



Applied in the drainage system of subway

DIMENSION



Unit:mm

TYPE	A	B	C	D	E	F
AS-323	385	330	220	195	450	530
AS-333	540	450	315	285	575	655
AS-353	540	450	315	295	620	705
AS-3754	685	580	395	340	700	805
AS-3104	685	580	395	340	710	810
AS-3156	860	720	450	540	890	990
AS-3158	920	755	450	510	910	1015
AS-3206	860	720	450	540	940	1040
AS-3208	920	755	450	510	960	1065

BS Non-Clog Apparatus Use Sewage Submersible Pump

BS-1052
BS-3052
BS-112
BS-312



BS-323



BS-333
BS-353



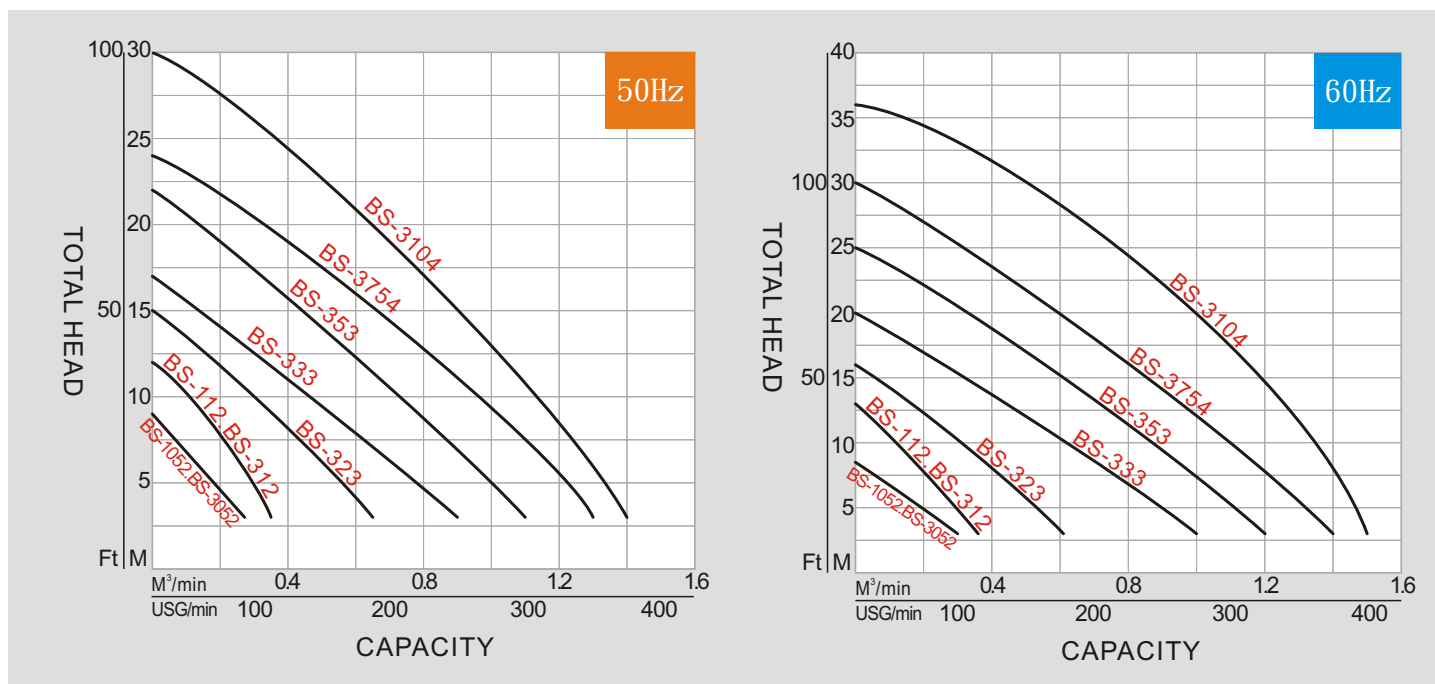
BS-3754
BS-3104



APPLICATION

1. Wastewater lift station, municipal wastewater treatment plant.
2. Building wastewater treatment system.
3. Piggery excrement, animal & poultry farm.
4. School, hospital, community wastewater treatment system.
5. Food, paper, mining, textile, leather industry wastewater treatment system.

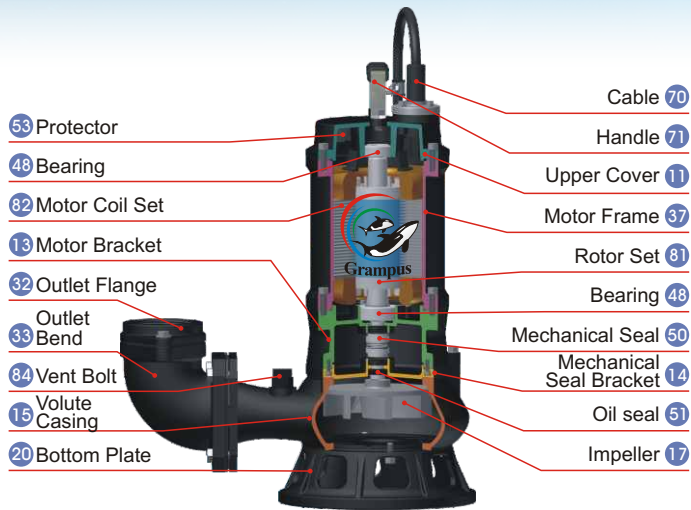
PERFORMANCE CURVE



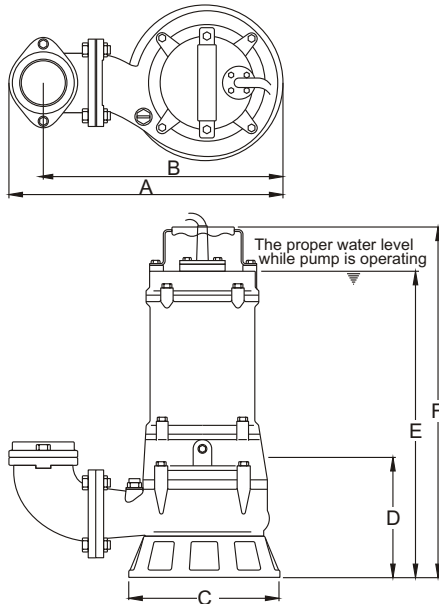
SPECIFICATION

Type	Frequency	Phase	Power		Caliber		Pole/Rotation		Std.Head		Std.Flow		Max.Flow		BS Weight	TOS-BS Weight	Solid Passage
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm		M	M³/min	M³/min		KG	KG	mm		
TOS-BS-1052	50 60	1Ø	½	0.4	2"	50	2P/2850	2P/3450	5M	5M	0.16	0.16	0.27	0.30	18	27	35
TOS-BS-3052	50 60	3Ø	½	0.4	2"	50	2P/2850	2P/3450	5M	5M	0.16	0.16	0.27	0.30	18	27	35
TOS-BS-112	50 60	1Ø	1	0.75	2"	50	2P/2850	2P/3450	8M	8M	0.19	0.20	0.35	0.36	21	30	35
TOS-BS-312	50 60	3Ø	1	0.75	2"	50	2P/2850	2P/3450	8M	8M	0.19	0.20	0.35	0.36	21	30	35
TOS-BS-323	50 60	3Ø	2	1.5	3"	80	2P/2850	2P/3450	10M	10M	0.30	0.31	0.65	0.61	38	58	32
TOS-BS-333	50 60	3Ø	3	2.2	3"	80	2P/2850	2P/3450	11M	12M	0.40	0.50	0.90	1.00	43	63	45
TOS-BS-353	50 60	3Ø	5	3.7	3"	80	2P/2850	2P/3450	14M	17M	0.50	0.50	1.10	1.20	47	67	40
TOS-BS-3754	50 60	3Ø	7½	5.5	4"	100	2P/2850	2P/3450	16M	18M	0.60	0.70	1.30	1.40	58	78	50
TOS-BS-3104	50 60	3Ø	10	7.5	4"	100	2P/2850	2P/3450	20M	20M	0.65	1.00	1.40	1.50	63	83	50

STRUCTURAL DRAWING



DIMENSION



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm · 80mm · 100mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Available to deal with wastewater of building, sewer and industrial wastewater of food, paper, mining, textile, leather, dyeing and metal.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Vortex Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	FC-200
		Volute Casing	FC-200
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
		Bottom Plate	FC-200
		Seal	Lubricant
Motor Side	Carbon / Ceramic		
Pump Side	Silicon Carbide / Silicon Carbide		
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C) / F class (7.5-10HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	FC-200
		Main Shaft	SUS-403 / SUS-410 / SUS420
		Cable	Standard VCT / Optional

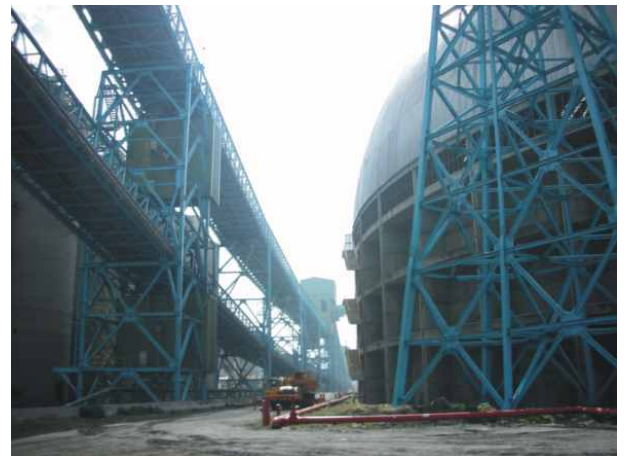
*Spare parts and material of pump could be made by request.

Unit:mm

TYPE	A	B	C	D	E	F
BS-1052	230	200	170	130	355	410
BS-3052	230	200	170	130	355	410
BS-112	230	200	170	130	390	440
BS-312	230	200	170	130	390	440
BS-323	405	350	220	200	470	540
BS-333	445	390	250	200	470	540
BS-353	445	390	250	200	490	560
BS-3754	550	445	250	225	510	580
BS-3104	550	445	250	230	530	600



High building drainage system



Industry wastewater treatment system

GD-1212
GD-3212
GD-332
GD-352

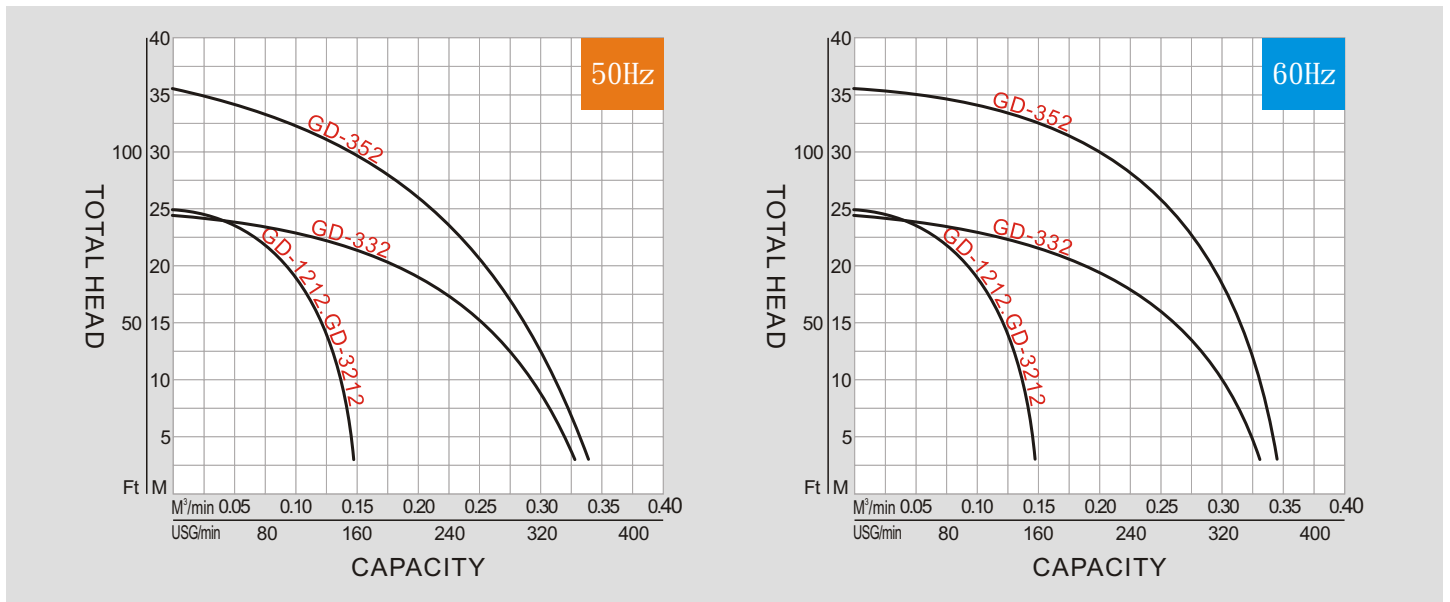


Industry application

APPLICATION

1. The material such as leathers, textile fiber, food and other tenacity objects can be grinded.
2. General household using, drainage systems of buildings and apartments, resorts and wastewater systems.
3. Commercial buildings, industrial factories, sewage water treatments.
4. Wastewater systems of schools, municipal engineering sewage treatments and so on are appropriate to this application.
5. Available using in various wastewater drainage systems and sewage water treatments.

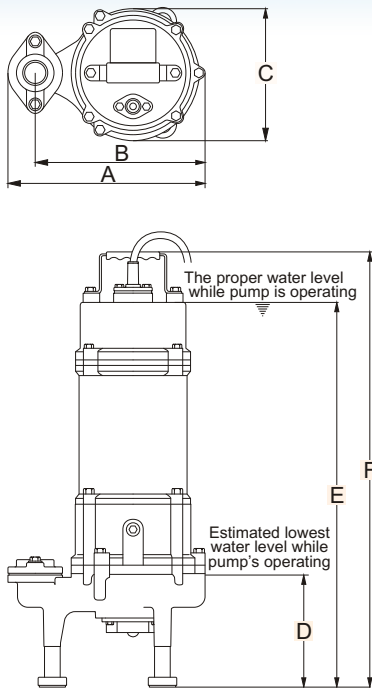
PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Remark								
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M ³ /min	M	M ³ /min	KG	REM						
GD-1212	50	60	1Ø	2	1.5	1 1/4"	32	2P/2850	2P/3450	23M	23M	0.06	0.06	25M	25M	0.15	0.15	36	
GD-3212	50	60	3Ø	2	1.5	1 1/4"	32	2P/2850	2P/3450	23M	23M	0.06	0.06	25M	25M	0.15	0.15	33	
GD-332	50	60	3Ø	3	2.2	2"	50	2P/2850	2P/3450	19M	19.5M	0.20	0.20	24.5M	24.5M	0.34	0.34	51	
GD-352	50	60	3Ø	5	3.7	2"	50	2P/2850	2P/3450	26M	30M	0.20	0.20	32M	35.6M	0.35	0.35	53	

■ DIMENSION



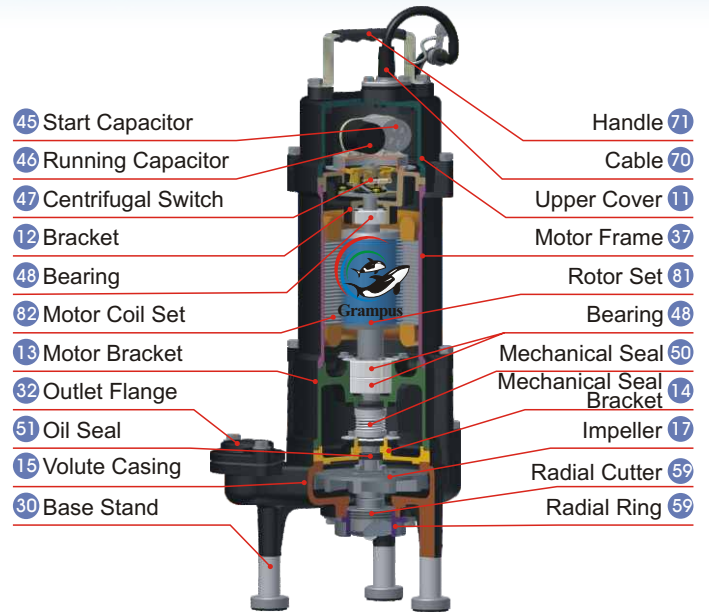
Unit:mm

TYPE	A	B	C	D	E	F
GD-1212	275	235	185	155	535	605
GD-3212	275	235	185	155	485	555
GD-332	395	315	225	180	545	615
GD-352	395	315	225	180	545	615



Mansion pumping system

■ STRUCTURAL DRAWING



■ MATERIAL AND STANDARD TABLE

Liquid	Caliber	32mm • 50mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	General household, apartments, resorts, commercial buildings, industrial factories, and wastewater systems.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Non-clong Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bracket	FC-200
		Bearing	Heavy-duty bearing
		Impeller	FC-200
		Volute Casing	FC-200
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
	Seal	Radial Cutter	SUS-440C
Radial Ring		SUS-440C	
Lubricant		ISO VG. # 32	
Motor	Type	Type	Submersible dry type
		Insulation class	B class (130°C)
	Material	Inner protector	Auto Reset Motor Protector
		Casing	FC-200
		Main Shaft	SUS-403/SUS-410/SUS420
Cable	Standard VCT/Optional		

*Spare parts and material of pump could be made by request.

KT series KR series KZ series NS series NV series



APPLICATION

1. The special construction of the bridge, the harbor, the river and the civil engineering drain off water using.
2. The sand graduated field of the cement depot and the kiln industry sewage removes.
3. The sedimentation pool, organic sewage and dirt mud discharges.
4. The water of underground, subway, building foundation and underground spring discharges.
5. The water accumulation of civil engineering, spring water, sewage, the basement and the concave land discharge.
6. Mining applications, cement plants, steel mills and power plant using.
7. Foundation excavation, tunnels, sewers pusher, river dredging various projects.

MATERIAL AND STANDARD TABLE

Liquid	Caliber	50 · 80 · 100 · 150 · 200 (mm)	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-250
		Bearing	Heavy-duty bearing
		Impeller	HiCrFC
		Volute Casing	FCD-500
	Mechanical Seal Bracket	HiCrFC	
Seal	Lubricant	ISO VG. # 32	
	Motor Side	Carbon / Ceramic	
	Pump Side	Silicon Carbide / Silicon Carbide	
Motor	Type	Submersible dry type	
	Insulation class	F class (155°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	IRON / FC-250
		Main Shaft	SUS420
Cable		VCT	



Applied in building construction of draining



Utilize in special construction operation

High Head Industrial Silty Pump (2P)



KT-352
KT-353
KT-354

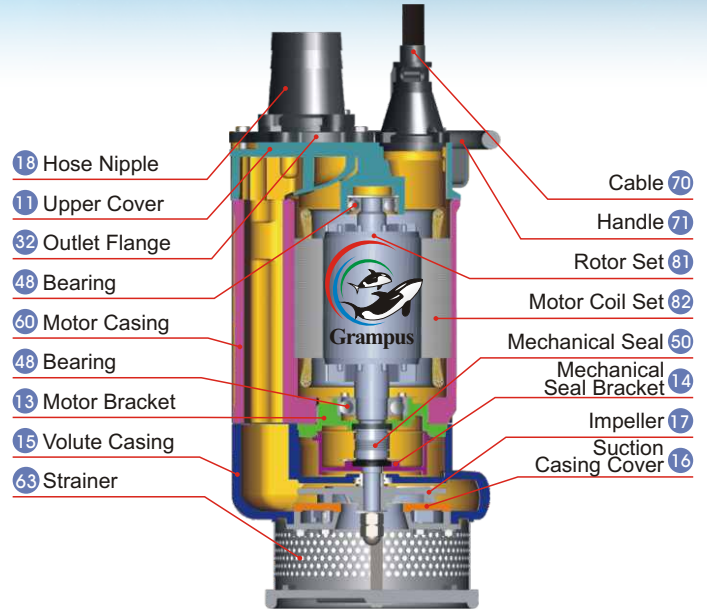
KT-3753
KT-3754

KT-3104
KT-3106
KT-3154

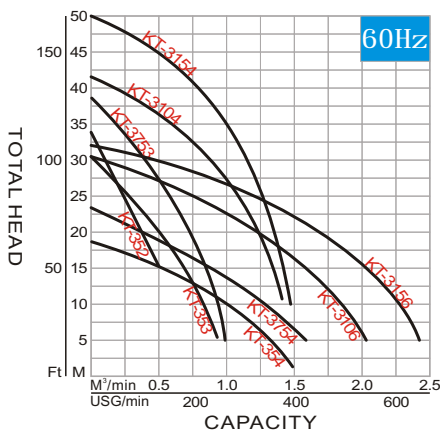
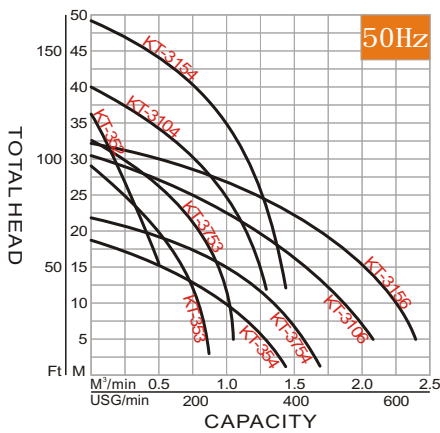
KT-3156



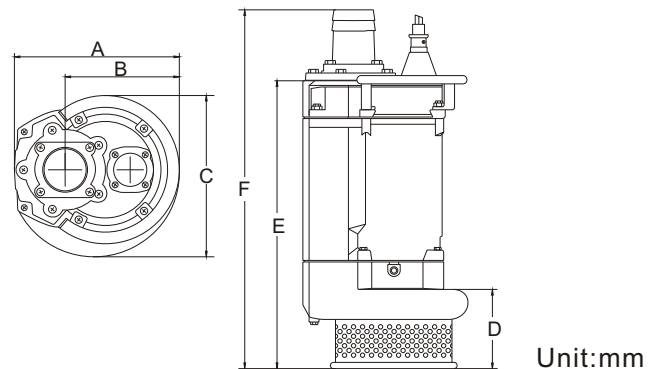
STRUCTURAL DRAWING



PERFORMANCE CURVE



DIMENSION



TYPE	A	B	C	D	E	F
KT-352	285	220	250	160	500	630
KT-353	285	220	250	160	500	630
KT-354	285	220	250	160	500	630
KT-3753	310	222	260	160	520	648
KT-3754	310	222	260	160	520	648
KT-3104	333	230	318	160	605	660
KT-3106	333	230	318	160	605	660
KT-3154	365	300	330	220	660	830
KT-3156	365	300	330	220	660	860

SPECIFICATION

Type	Phase	Voltage	Power		Caliber		Pole	Std.Head	Std.Flow	Weight	Solid Passage	Remark
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	KG	mm	REM
KT-352	3Ø	220/380	5	3.7	2"	50	2P	30M	0.2	58	8.5	
KT-353	3Ø	220/380	5	3.7	3"	80	2P	20M	0.5	58	8.5	
KT-354	3Ø	220/380	5	3.7	4"	100	2P	10M	1.0	58	8.5	
KT-3753	3Ø	220/380	7½	5.5	3"	80	2P	25M	0.6	71	10	
KT-3754	3Ø	220/380	7½	5.5	4"	100	2P	15M	1.0	71	10	
KT-3104	3Ø	220/380	10	7.5	4"	100	2P	30M	0.8	135	10	
KT-3106	3Ø	220/380	10	7.5	6"	150	2P	15M	1.6	135	10	
KT-3154	3Ø	220/380	15	11	4"	100	2P	35M	1.0	148	8	
KT-3156	3Ø	220/380	15	11	6"	150	2P	20M	1.7	148	12	

KR-3104

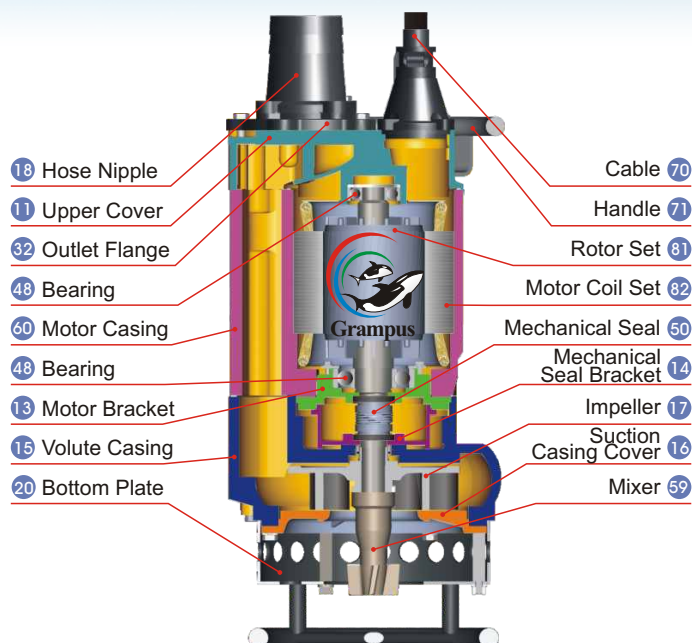
KR-3106
KR-3156

KR-3256
KR-3306
KR-3308

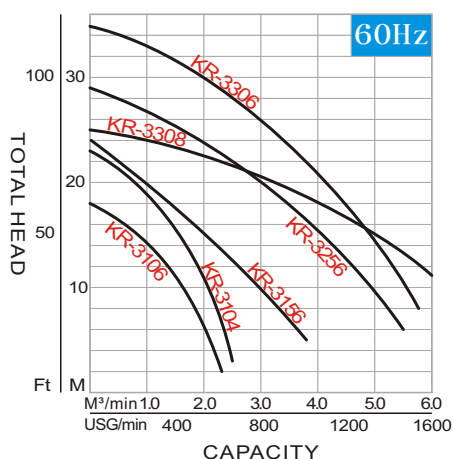
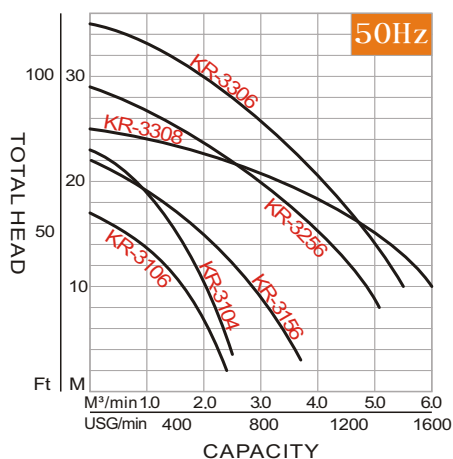


Mixer Bottom set is optional item

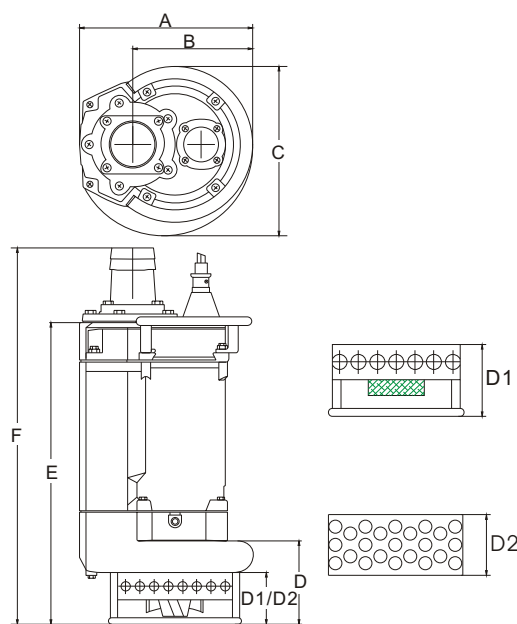
STRUCTURAL DRAWING



PERFORMANCE CURVE



DIMENSION



Unit:mm

TYPE	A	B	C	D	D1	D2	E	F
KR-3104	406	270	402	250	150	—	710	860
KR-3106	389	250	372	210	—	100	670	820
KR-3156	389	250	372	210	150	100	670	820

SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M ³ /min	KG	mm	REM
KR-3104	3Ø	220/380	10	7.5	4"	100	4P	20M	0.8	138	20	
KR-3106	3Ø	220/380	10	7.5	6"	150	4P	11M	1.5	156	20	
KR-3156	3Ø	220/380	15	11	6"	150	4P	15M	2.0	173	20	
KR-3256	3Ø	220/380	25	19	6"	150	4P	20M	3.0	395	30	
KR-3306	3Ø	220/380	30	22	6"	150	4P	30M	2.0	410	30	
KR-3308	3Ø	220/380	30	22	8"	200	4P	15M	5.0	410	30	

Water-Cooling Industrial Silty Pump (4P)



KZ-353
KZ-3754

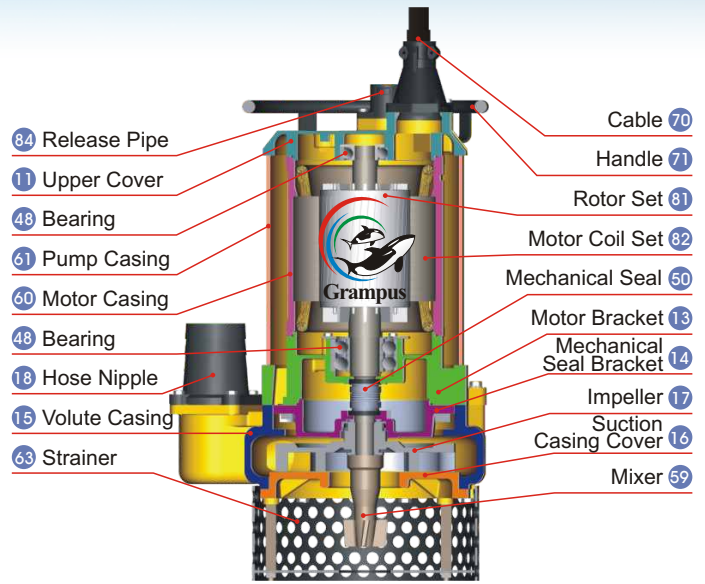
KZ-3154

KZ-353
KZ-3754
KZ-3154

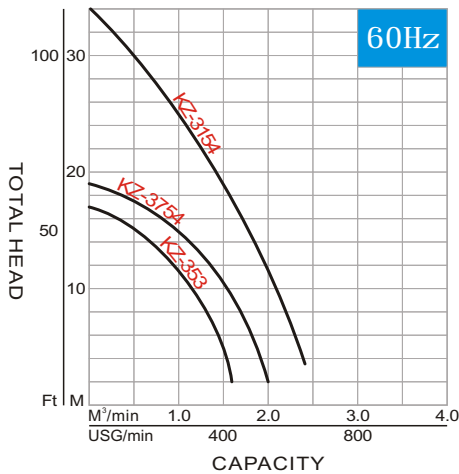
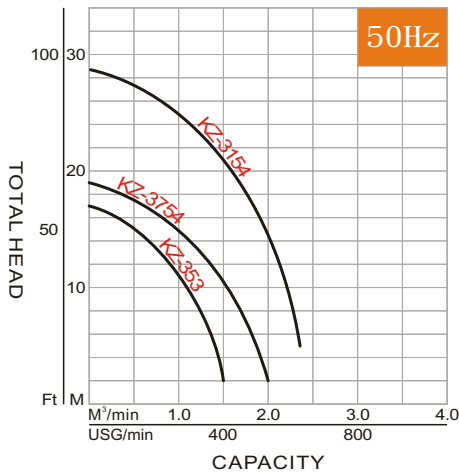
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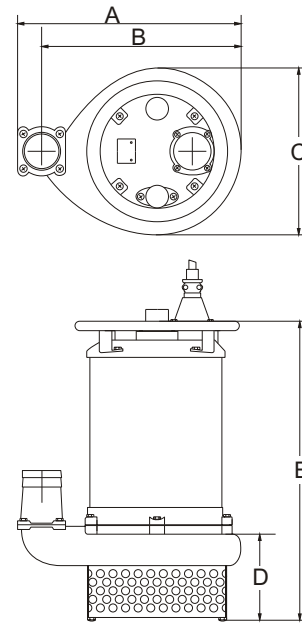
Mixer Bottom set is optional item



PERFORMANCE CURVE



DIMENSION



Unit:mm

TYPE	A	B	C	D	E
KZ-353	520	410	370	250	680
KZ-3754	520	410	370	250	725
KZ-3154	560	470	370	250	860

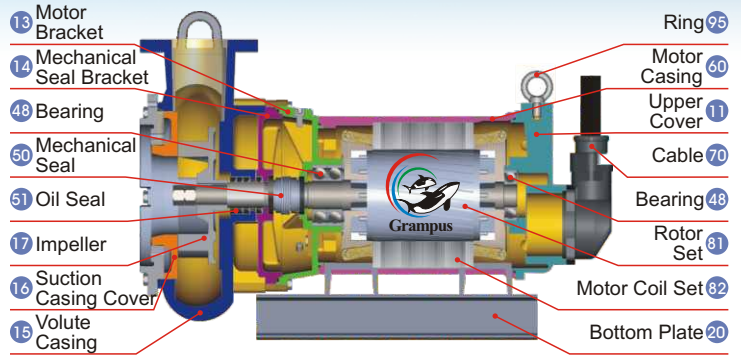
SPECIFICATION

Type	Phase	Voltage	Power		Caliber		Pole	Std.Head	Std.Flow	Weight	Solid Passage	Remark
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M ³ /min	KG	mm	REM
KZ-353	3Ø	220/380	5	3.7	3"	80	4P	15M	0.5	98	30	
KZ-3754	3Ø	220/380	7½	5.5	4"	100	4P	15M	1.0	116	30	
KZ-3154	3Ø	220/380	15	11	4"	100	4P	25M	1.0	198	20	

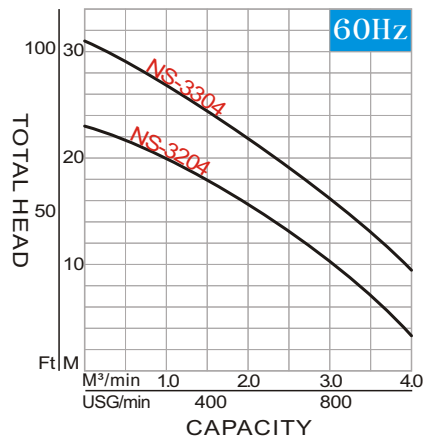
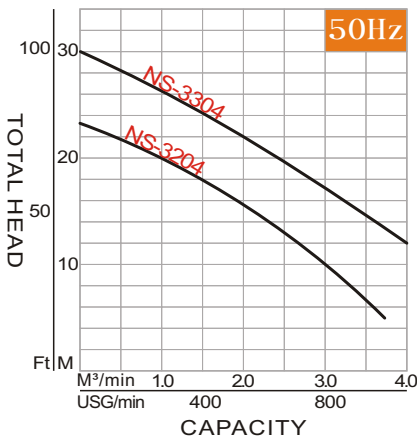
NS-3204
NS-3304



STRUCTURAL DRAWING



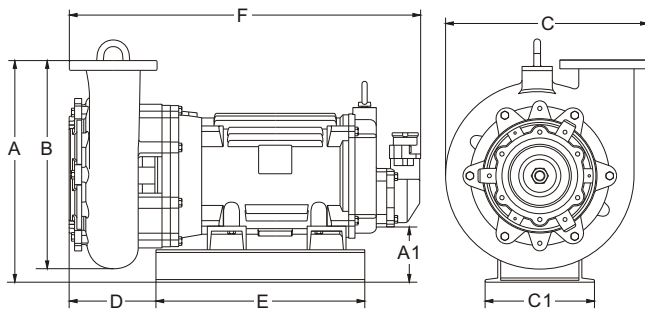
PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	KG	mm	REM
NS-3204	3Ø	220/380	20	15	4"	100	4P	20M	1.0	260	40	
NS-3304	3Ø	220/380	30	22	4"	100	4P	25M	1.3	301	40	

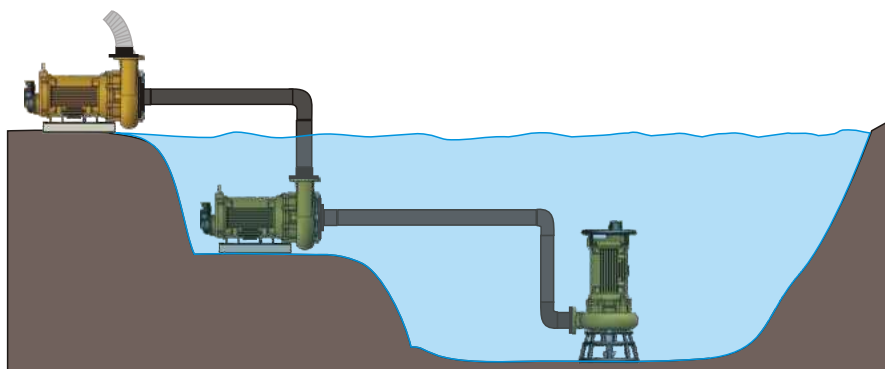
DIMENSION



Unit:mm

TYPE	A	A1	B	C	C1	D	E	F
NS-3204	520	135	490	470	260	208	210	850
NS-3304	550	135	520	530	290	330	280	860

SCHEMATIC DIAGRAM

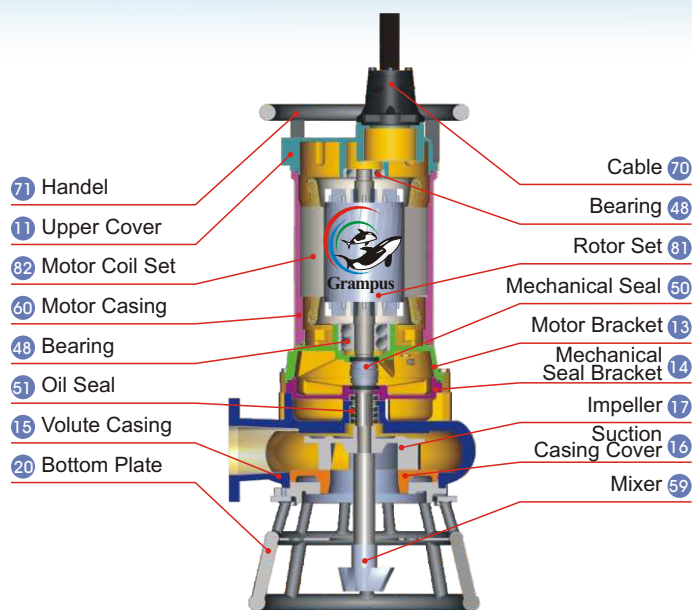


Vertical Relay Pump (4P)

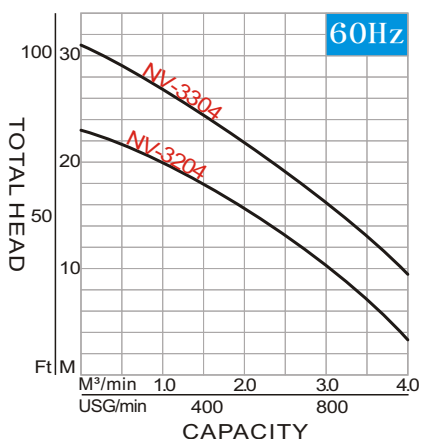
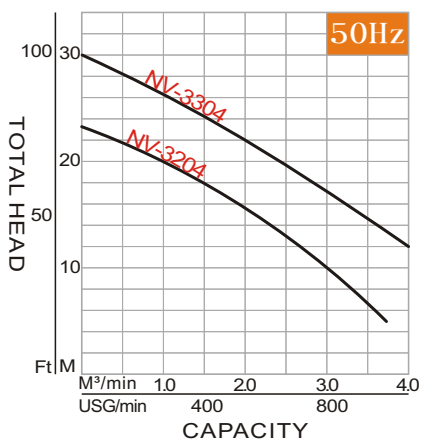


NS-3204
NS-3304

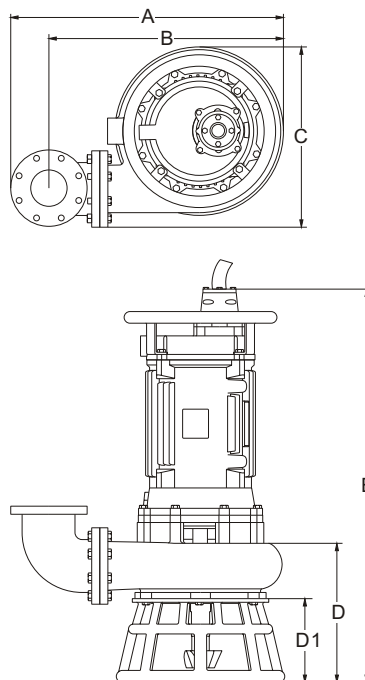
STRUCTURAL DRAWING



PERFORMANCE CURVE



DIMENSION



Unit:mm

TYPE	A	B	C	D	D1	E
NV-3204	670	565	500	370	230	1030
NV-3304	830	690	800	450	260	1120

SPECIFICATION

Type	Phase	Voltage	Power		Caliber		Pole	Std.Head	Std.Flow	Weight	Solid Passage	Remark
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M ³ /min	KG	mm	REM
NV-3204	3Ø	220/380	20	15	4"	100	4P	20M	1.0	263	40	
NV-3304	3Ø	220/380	30	22	4"	100	4P	25M	1.3	304	40	

WHALE series Portable Sump Pump



APPLICATION

1. Household wastewater, standing water in basement, sewer wastewater drainage.
2. Washing car, watering garden, flowing water of landscape.
3. Pond, septic tank and community sewage drainage.
4. Plant and general sewage pumping and sucking.
5. Weak-acid and weak-alkalinity wastewater treatment of building and animal husbandry.
6. Pumping station, wastewater treatment.
7. Strainer of H and K series separates small foreign materials.
8. Base stand of L and Q Series adapts to bigger solid passage.



Garden watering

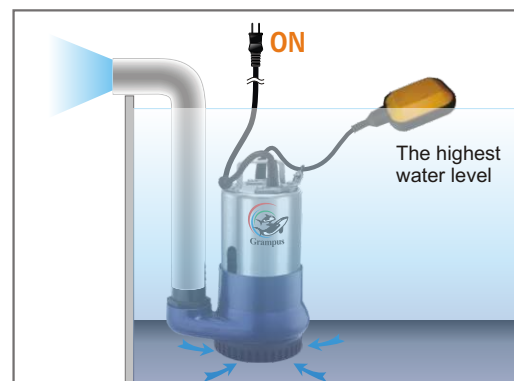


Car washing or household drainage system

ATTENTION

1. The Auto-cut shuts off automatically to prevent overheat whenever its voltage drop, Impeller plugged, water level under the mark and other unusual Conditions. In this case, immediately improve the use of the environment, to avoid device failure.
2. Submersible pump relies on the outside cooling water and forbid it under the mark of liquid level.
3. Don't run over 24 hours. The proper using will extend the lifetime.
4. D, H, L series avoid pumping the liquid with lots of sand or liquid with acidity and alkaline.
5. This model is used to weak-acid and weak-alkalinity wastewater. If draining high corrosive liquid, use other pumps made of special materials.

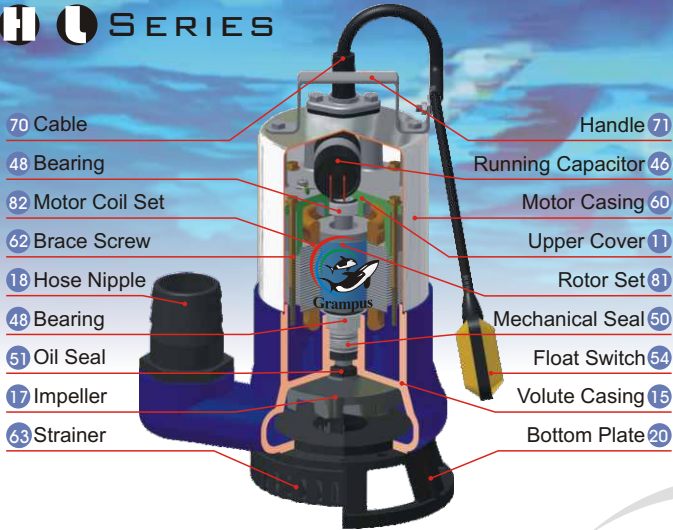
FLOAT SWITCH OPERATION DRAWING



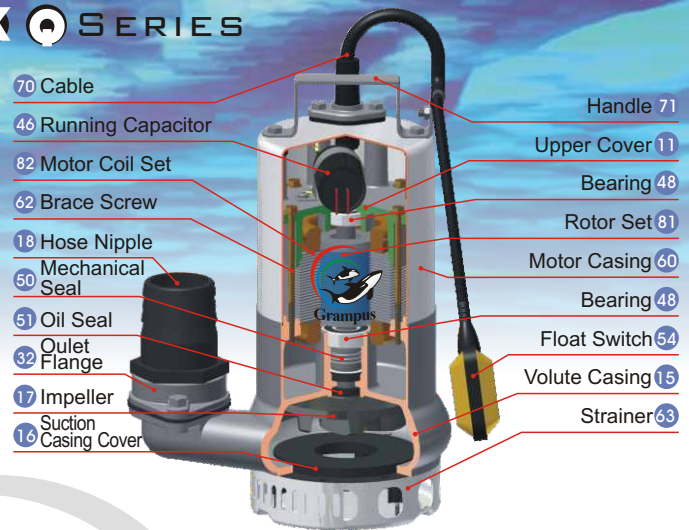
※ Take heed of pump's cable not entangling with switch float's to keep the efficiency of liquid control when installing pumps.

STRUCTURAL DRAWING

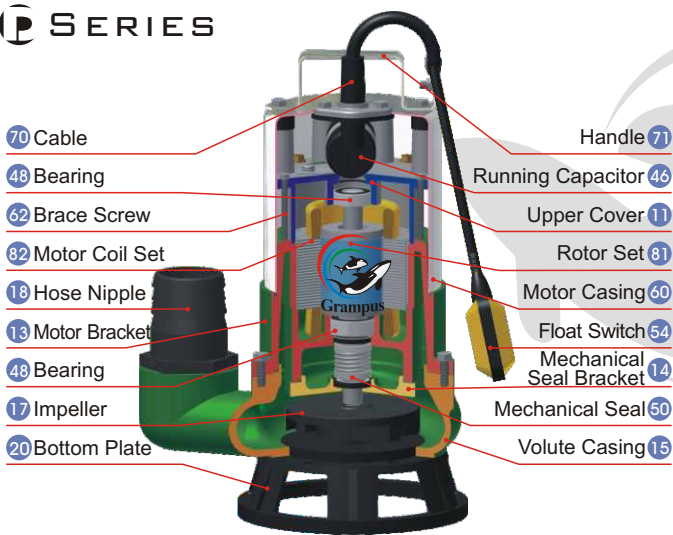
H L SERIES



K Q SERIES



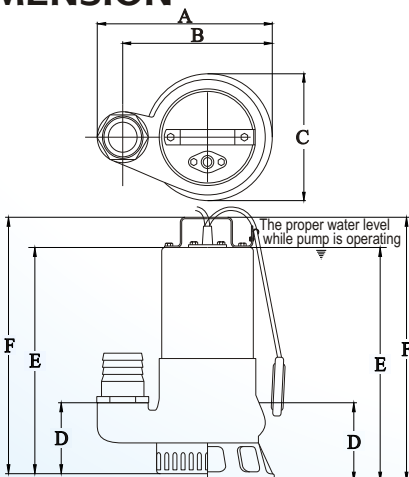
P SERIES



MATERIAL AND STANDARD TABLE

Liquid	Caliber	40mm · 50mm · 80mm		
	Temperature	0°C~40°C (32°F~104°F)		
	Application	Household sewage water, fresh water fowl water, sewer sewage water, industrial wastewater, public water, weak-acid and weak-alkalinity sewage water, non-corrosive liquid		
	The lowest depth	▽10 M		
Structure	Impeller	Vortex Impeller		
	Seal	Single · Dual Mechanical Seal		
Pump	Material	Upper Cover	FC-200	
		Bearing	Ball bearing	
		Impeller	Engineering Strengthen Fiber Resin/PP+Fiber	
		Volute Casing	FC-200/SUS-316	
		Suction Casing Cover	SUS-316 (K,Q1-2HP) / PP+Fiber (K,Q1/3-1/2HP)	
		Bottom Plate	Engineering Strengthen Fiber Resin	
		Strainer	Engineering Strengthen Fiber Resin/SUS-304	
		Lubricant	ISO VG. # 32	
		Seal	H · L	Carbon / Ceramic
			K · Q	Silicon Carbide / Silicon Carbide
Motor Side	D series : Carbon / Ceramic			
Pump Side	D series : Silicon Carbide / Silicon Carbide			
Motor	Material	Type	Submersible oil type · dry type (D series)	
		Insulation class	E class (120°C)	
		Casing	SUS-304/SUS-316	
		Main Shaft	SUS-403/SUS-410/SUS420	
		Hose Nipple	PE	
		Cable	PVC/VCT/Optional	

DIMENSION



TYPE	A	B	C	D	E	F
H-10315(A)	195	165	140	70	240	280
H-1052(A)	225	190	140	75	265	305
L-1052(A)	230	195	160	95	285	325
H-3052	225	190	140	75	265	305
L-3052	230	195	160	95	285	325
H-113(A)	285	235	180	110	350	390
L-113(A)	300	250	220	130	370	410
H-313	285	235	180	110	350	390
L-313	300	250	220	130	370	410
H-323	290	240	180	120	390	430
L-323	300	250	220	130	400	440

*Spare parts and material of pump could be made by request.

Unit:mm

TYPE	A	B	C	D	E	F
K-10315(A)	185	155	135	65	230	275
K-1052(A)	225	190	135	75	270	315
Q-1052(A)	225	190	135	80	275	320
K-3052	225	190	135	75	270	315
Q-3052	225	190	135	80	275	320
K-113(A)	285	235	180	110	350	390
Q-113(A)	285	235	180	110	350	390
K-313	285	235	180	110	350	390
Q-313	285	235	180	110	350	390
K-323	300	245	180	110	380	420
Q-323	300	245	180	110	380	420

H / L series Portable Sump Pump



H-10315(A)

H-1052(A) · H-113(A)



L-1052 · L-113

K / Q series Stainless Steel Sump Pump (SUS#316)



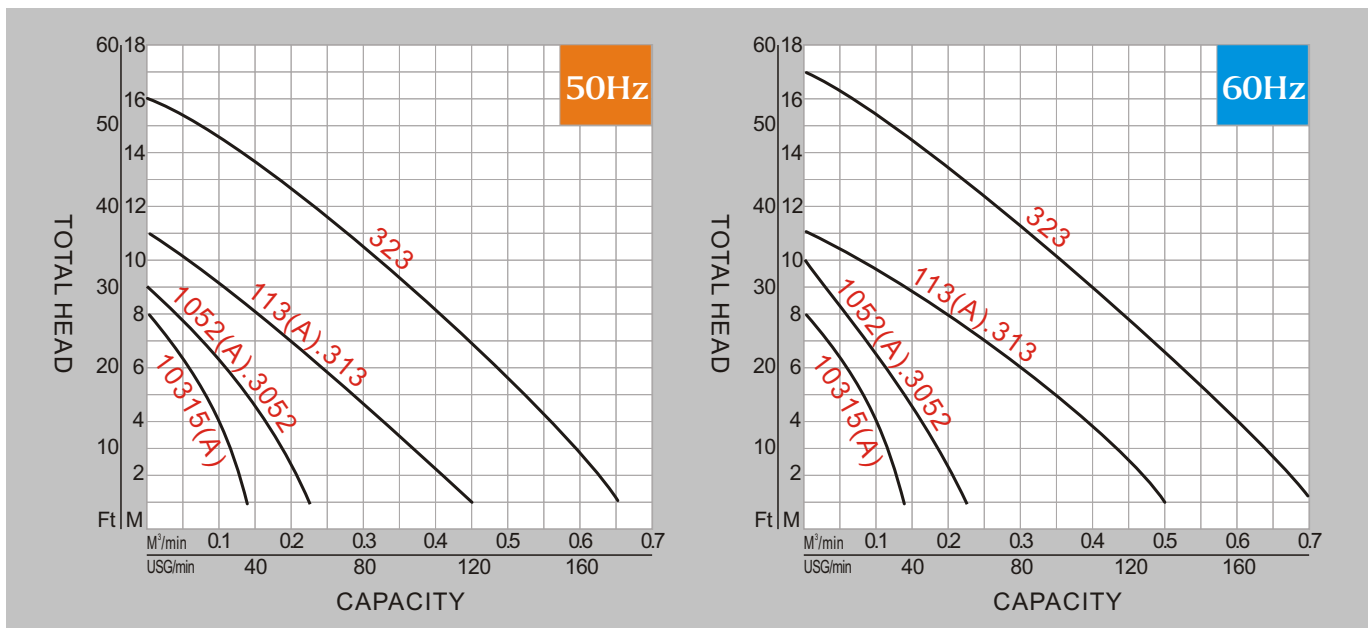
K-10315(A)

K-1052(A) · K-113(A)



Q-1052 · Q-113

■ PERFORMANCE CURVE



■ SPECIFICATION

※ (A) means single-phase motor can be installed with the float switch.

Model	Frequency	Phase	Voltage	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight
TYPE	Hz	PH	VOLT	HP KW	Inch mm	P/rpm	M	M ³ /min	M	M ³ /min	KG
10315(A)	50 60	1Ø	110/220	1/3 0.25	1 1/2" 40	2P / 2850 / 3450	4M 4M	0.10 0.10	8M 8M	0.14 0.14	8
1052(A)	50 60	1Ø	110/220	1/2 0.4	2" 50	2P / 2850 / 3450	6M 6M	0.11 0.11	9M 10M	0.22 0.22	10
3052	50 60	3Ø	220/380	1/2 0.4	2" 50	2P / 2850 / 3450	6M 6M	0.11 0.11	9M 10M	0.22 0.22	10
113(A)	50 60	1Ø	110/220	1 0.75	3" 80	2P / 2850 / 3450	7M 7M	0.20 0.25	11M 11M	0.45 0.50	21
313	50 60	3Ø	220/380	1 0.75	3" 80	2P / 2850 / 3450	7M 7M	0.20 0.25	11M 11M	0.45 0.50	21
323	50 60	3Ø	220/380	2 1.5	3" 80	2P / 2850 / 3450	10M 10M	0.32 0.35	16M 17M	0.65 0.70	27

D series Water-Cooling Portable Sewage Pump

D-1022(A)
D-1032(A)
D-1052(A)
D-3052

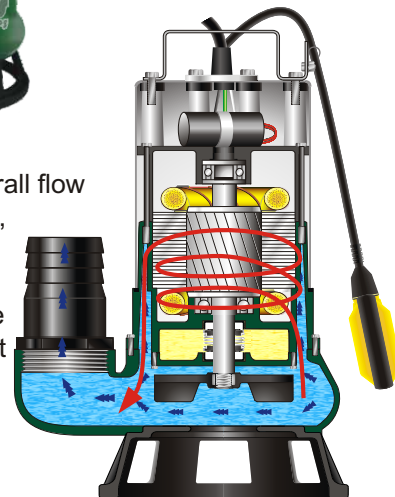


D-113(A)
D-313

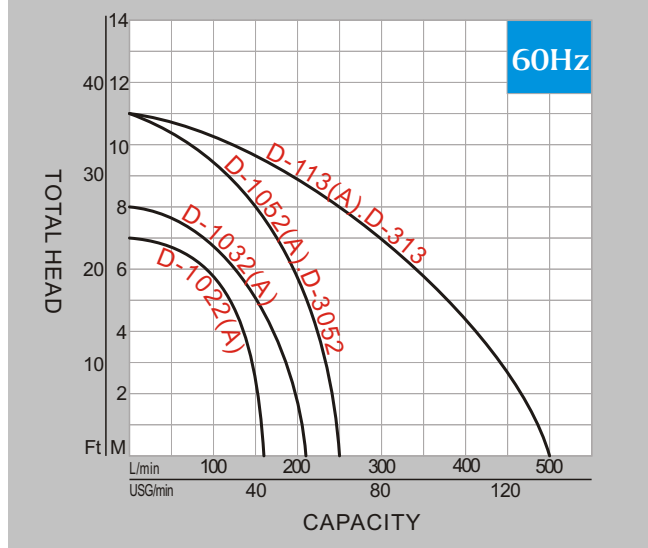
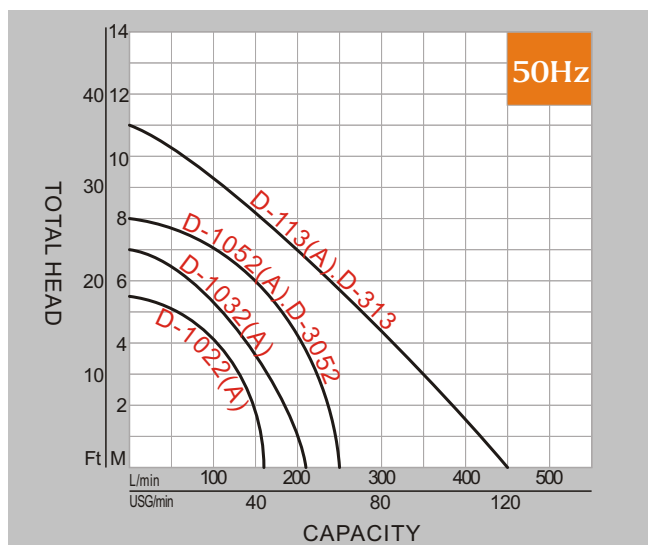


WATER COOLING

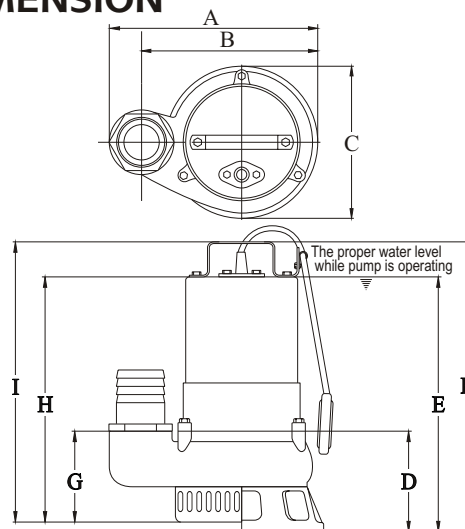
Water cooling design, Overall flow through motors lateral side, Characteristics of a self-circulation cooling, Ensure continuous operation of the low water level and prevent long-term operation led to the defect of the motor damage.



PERFORMANCE CURVE



DIMENSION



Unit:mm

TYPE	A	B	C	D	E	F	G	H	I
D-1022(A)	230	195	160	110	290	330	90	270	315
D-1032(A)	230	195	160	110	290	330	90	270	315
D-1052(A)	230	195	160	110	290	330	90	270	315
D-3052	230	195	160	110	290	330	90	270	315
D-113(A)	310	260	220	150	380	425	140	370	415
D-313	310	260	220	150	380	425	140	370	415

SPECIFICATION

※ (A) means single-phase motor can be installed with the float switch.

Type	Frequency	Phase	Voltage	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage							
TYPE	Hz	PH	VOLT	HP	W	Inch	mm	P/rpm	M	L/min	M	L/min	KG	mm					
D-1022(A)	50	60	1Ø	110/220	1/5	150	2"	50	2P / 2850 / 3450	3.5M	5M	120	120	5.5M	7M	160	160	9.8	18
D-1032(A)	50	60	1Ø	110/220	1/3	250	2"	50	2P / 2850 / 3450	4M	5.5M	140	140	7M	8M	210	210	10.1	14
D-1052(A)	50	60	1Ø	110/220	1/2	400	2"	50	2P / 2850 / 3450	6M	8M	150	150	8M	11M	250	250	10.5	12
D-3052	50	60	3Ø	220/380	1/2	400	2"	50	2P / 2850 / 3450	6M	8M	150	150	8M	11M	250	250	10.5	12
D-113(A)	50	60	1Ø	110/220	1	750	3"	80	2P / 2850 / 3450	7M	8M	200	250	11M	11M	450	500	24	20
D-313	50	60	3Ø	220/380	1	750	3"	80	2P / 2850 / 3450	7M	8M	200	250	11M	11M	450	500	24	20



Submersible High Head Pump



A-10512 、 A-30512



A-1115 、 A-3115



A-122 、 A-322



A-332 、 A-333

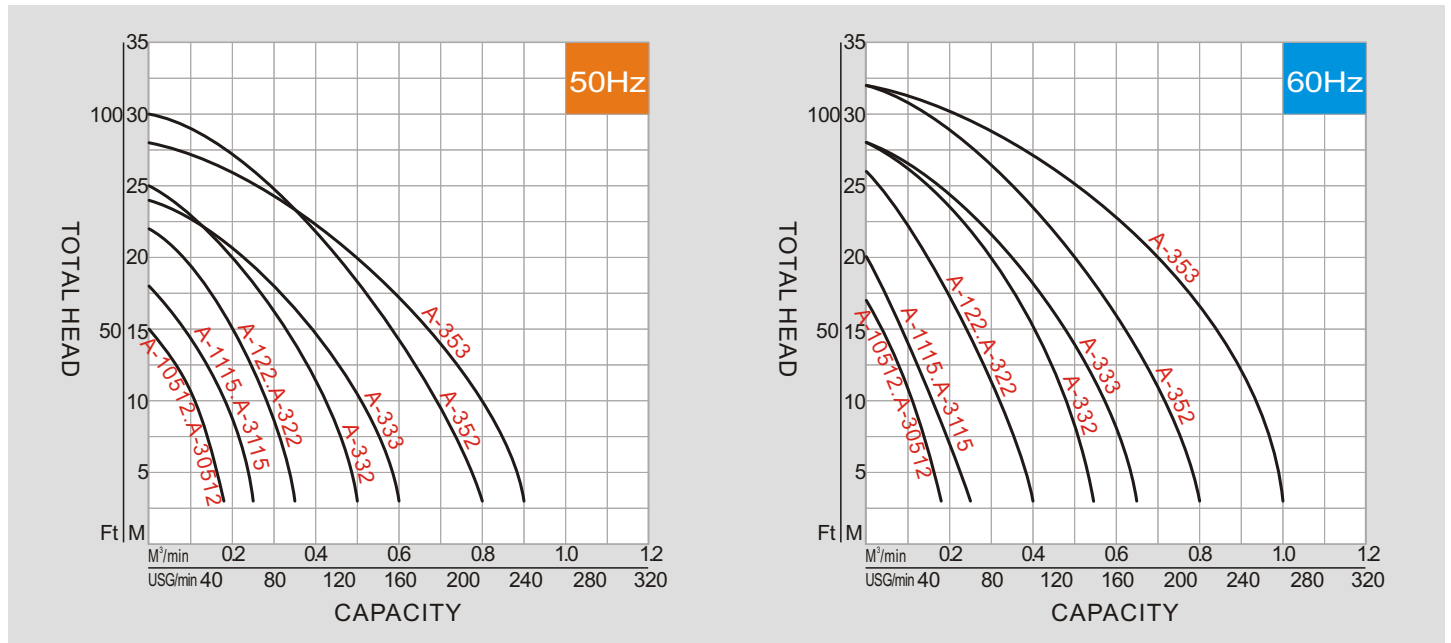


A-352 、 A-353

APPLICATION

1. Household drainage, garden watering, car washing, garage drainage and basement or low-lying drainage.
2. Mansion, ship and industry pumping and drainage.
3. Farm-irrigation, hillside, deep well and stream's water delivery.

PERFORMANCE CURVE



SPECIFICATION

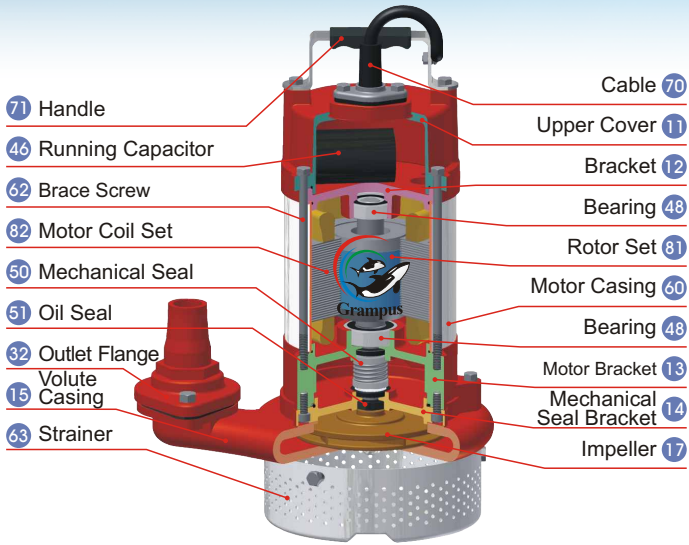
Type	Frequency		Phase	Power		Caliber		Pole/Rotation		Std.Head		Std.Flow		Max. Flow	Weight	Remark	
TYPE	Hz		PH	HP	KW	Inch	mm	P/rpm		M		M³/min		M³/min	KG	REM	
A-10512	50	60	1Ø	½	0.4	1¼"	32	2P/2850	2P/3450	10M	10M	0.11	0.11	0.18	0.18	15	
A-30512	50	60	3Ø	½	0.4	1¼"	32	2P/2850	2P/3450	10M	10M	0.11	0.11	0.18	0.18	14	
A-1115	50	60	1Ø	1	0.75	1½"	40	2P/2850	2P/3450	12M	12M	0.15	0.13	0.25	0.25	18	
A-3115	50	60	3Ø	1	0.75	1½"	40	2P/2850	2P/3450	12M	12M	0.15	0.13	0.25	0.25	17	
A-122	50	60	1Ø	2	1.5	2"	50	2P/2850	2P/3450	15M	15M	0.20	0.24	0.35	0.40	28	
A-322	50	60	3Ø	2	1.5	2"	50	2P/2850	2P/3450	15M	15M	0.20	0.24	0.35	0.40	25	
A-332	50	60	3Ø	3	2.2	2"	50	2P/2850	2P/3450	20M	20M	0.20	0.30	0.50	0.55	33	
A-333	50	60	3Ø	3	2.2	3"	80	2P/2850	2P/3450	18M	20M	0.30	0.35	0.60	0.65	33	
A-352	50	60	3Ø	5	3.7	2"	50	2P/2850	2P/3450	20M	20M	0.45	0.50	0.80	0.80	37	
A-353	50	60	3Ø	5	3.7	3"	80	2P/2850	2P/3450	20M	20M	0.50	0.70	0.90	1.00	37	



Submersible High Head Pump



STRUCTURAL DRAWING



Appropriate to use on farm-irrigation



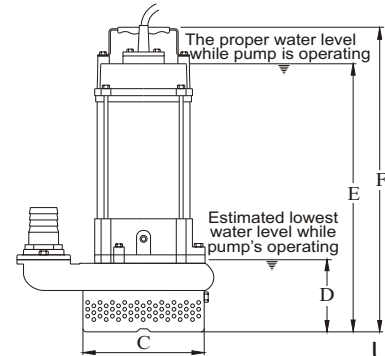
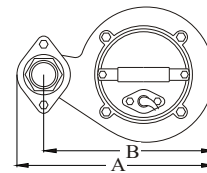
Mansion pumping system

MATERIAL AND STANDARD TABLE

Liquid	Caliber	32mm · 40mm · 50mm · 80mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Pumping water for household, garden, farming irrigation, deep well and stream's water delivery.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Channel Centrifugal Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bracket	FC-200
		Bearing	Heavy-duty bearing
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
		Impeller	Bronze / Optional
		Volute Casing	FC-200
		Strainer	SUS-304
Seal	Lubricant	ISO VG. # 32	
	Motor Side	Carbon / Ceramic	
	Pump Side	Silicon Carbide / Silicon Carbide	
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-403 / SUS-410 / SUS-420
		Cable	Standard VCT / Optional

*Spare parts and material of pump could be made by request.

DIMENSION



Unit:mm

TYPE	A	B	C	D	E	F
A-10512	265	225	160	85	320	370
A-30512	265	225	160	85	290	345
A-1115	265	225	160	85	350	400
A-3115	265	225	160	85	320	375
A-122	290	250	180	100	440	495
A-322	290	250	180	100	370	425
A-332	335	280	195	120	420	485
A-333	335	280	195	120	420	485
A-352	335	280	195	120	440	505
A-353	335	280	195	120	440	505



Water-Cooling Submersible Pump



T-1052
T-3052



T-1052C
T-3052C



T-1152
T-3152



T-133
T-333



T-134
T-334
T-354



T-3754

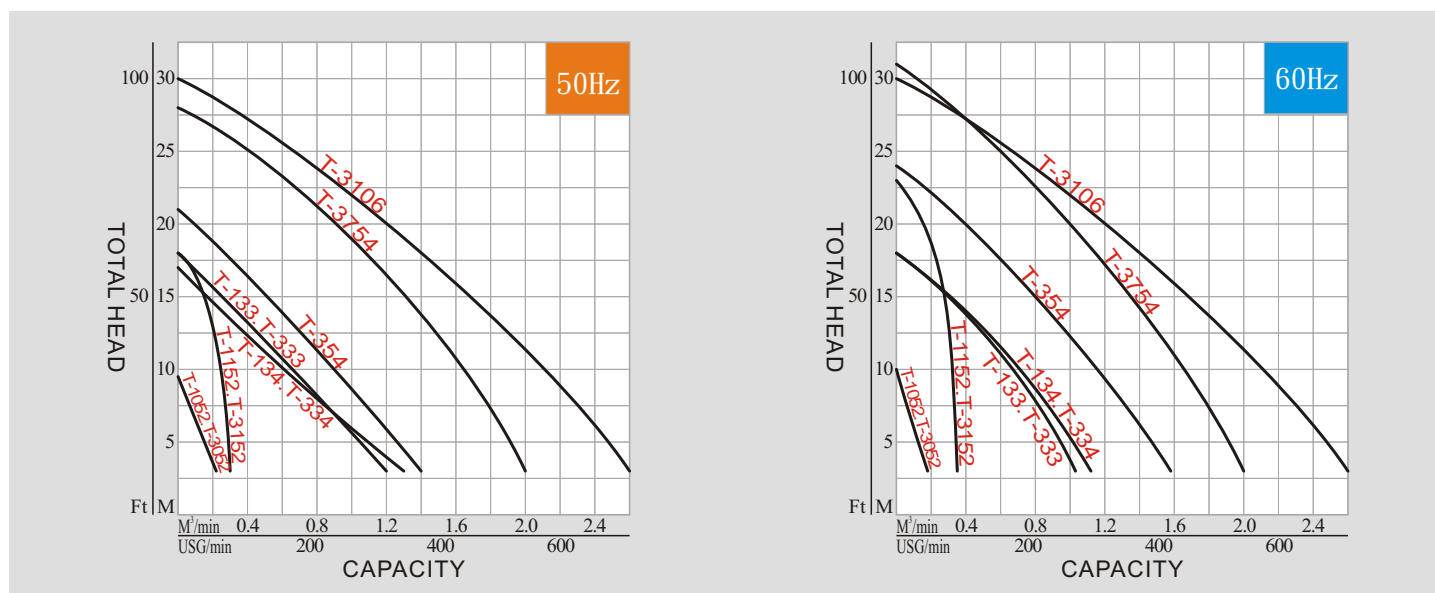


T-3106

APPLICATION

1. Install the strainer, generally use for water supplying and drainage in the fish pond.
2. Over 1.1KW products, after pulling down the pump's strainer you can install the check valve through the outlet flange interface and connect the well piping. This can use for faming irrigation to pump the groundwater and the project groundwater...ect.
3. Factory drainage wastewater, water supply for mountainside, landscaping and gardening...etc. Use for long time circulation water supply.

PERFORMANCE CURVE



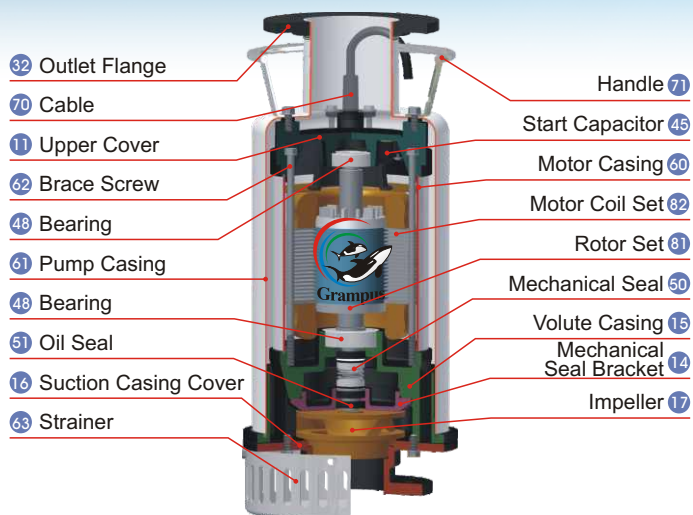
SPECIFICATION

Model	Type	Frequency	Phase	Voltage	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight							
Impeller Model	TYPE	Hz	PH	VOLT	HP	KW	Inch	mm	P/rpm	M	M³/min	M³/min	KG					
	T-1052	50	60	1Ø	110/220	½	0.4	2"	50	2P/2850	2P/3450	5 M	6 M	0.10	0.10	0.22	0.18	15
	T-3052	50	60	3Ø	220/380	½	0.4	2"	50	2P/2850	2P/3450	5 M	6 M	0.10	0.10	0.22	0.18	15
	T-1152	50	60	1Ø	110/220	1½	1.1	2"	50	2P/2850	2P/3450	13M	15M	0.20	0.28	0.30	0.35	26
	T-3152	50	60	3Ø	220/380	1½	1.1	2"	50	2P/2850	2P/3450	13M	15M	0.20	0.28	0.30	0.35	26
	T-133	50	60	1Ø	110/220	3	2.2	3"	80	2P/2850	2P/3450	12M	10M	0.50	0.67	1.20	1.03	42
	T-333	50	60	3Ø	220/380	3	2.2	3"	80	2P/2850	2P/3450	12M	10M	0.50	0.67	1.20	1.03	42
	T-134	50	60	1Ø	110/220	3	2.2	4"	100	2P/2850	2P/3450	10M	10M	0.60	0.73	1.30	1.12	42
	T-334	50	60	3Ø	220/380	3	2.2	4"	100	2P/2850	2P/3450	10M	10M	0.60	0.73	1.30	1.12	42
	T-354	50	60	3Ø	220/380	5	3.7	4"	100	2P/2850	2P/3450	10M	13M	0.90	0.95	1.40	1.58	46
	T-3754	50	60	3Ø	220/380	7½	5.5	4"	100	2P/2850	2P/3450	19M	20M	1.00	1.00	2.00	2.00	64
	T-3106	50	60	3Ø	220/380	10	7.5	6"	150	2P/2850	2P/3450	17M	17M	1.50	1.50	2.60	2.60	72

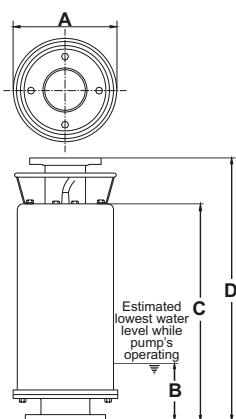




STRUCTURAL DRAWING

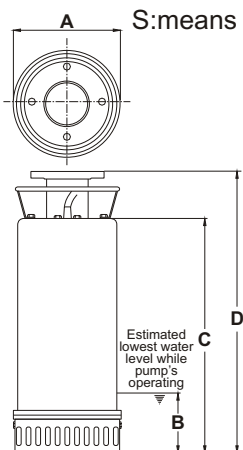


DIMENSION



TYPE	A	B	C	D
T-1152	190	80	425	520
T-3152	190	80	385	480
T-133	230	85	470	560
T-333	230	85	400	500
T-134	230	85	470	570
T-334	230	85	400	500
T-354	230	85	420	520
T-3754	255	75	495	625
T-3106	280	105	520	660

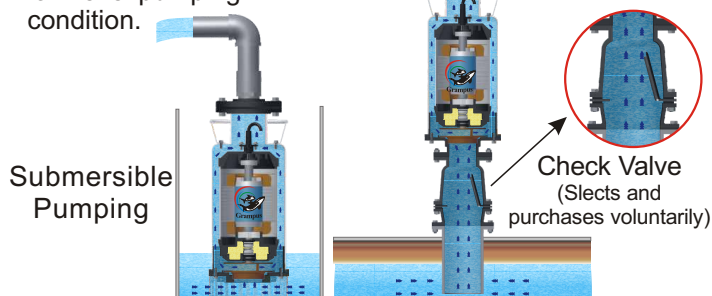
C: means low-water dewatering
S: means strainer installation



TYPE	註	A	B	C	D
T-1052	S/C	175	50(10)	275	365
T-3052	S/C	175	50(10)	275	365
T-1152	S	190	85	430	525
T-3152	S	190	85	390	485
T-133	S	230	110	495	595
T-333	S	230	110	425	525
T-134	S	230	110	495	595
T-334	S	230	110	425	525
T-354	S	230	110	445	545
T-3754	S	280	205	620	750
T-3106	S	280	205	620	760

WATER COOLING

Dual-layer volute cooling, optimizes cooling effect at low-level pumping condition.



ATTENTION

When dismantling the pump's strainer to use as pumping well water on the land, the pump has to full of water before running and then it can start pumping well water. Also it should install the "Check Valve" to prevent that every time you use it you have to make the pump full of water. You could purchase the Check Valve on the Hardware store and choose the appropriate standard by yourself.

MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm · 80mm · 100mm · 150mm	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Available fo drainage of fishery, farming-irrigation, water conservemcy project and plants.	
	The lowest depth	▽30 M	
Pump	Structure	Impeller	Semi-open · Channel Centrifugal Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	½HP SUS-304 / Up 1HP FC-200
		Bearing	Heavy-duty bearing
		Impeller	½HP FC-200 / 1-5HP Bronze / 7.5-10HP SUS-304
		Volute Casing	FC-200
		Suction Casing Cover	FC-200
Strainer	SUS-304		
Seal	Lubricant	ISO VG. # 32	
	Motor Side	Carbon / Ceramic	
	Pump Side	Silicon Carbide / Silicon Carbide	
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C) / F class (7.5-10HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-403 / SUS-410 / SUS420
Cable	Standard VCT / Optional		

*Spare parts and material of pump could be made by request.





Axial-Flow Large Volume Water Pump

Spare parts and material of pump could be made by request.

Bronze Cast iron



G-1054(U)
G-3054(U)

Bronze Cast iron



G-115(U)
G-315(U)



G-356



G-3758(U)



G-31010(U)

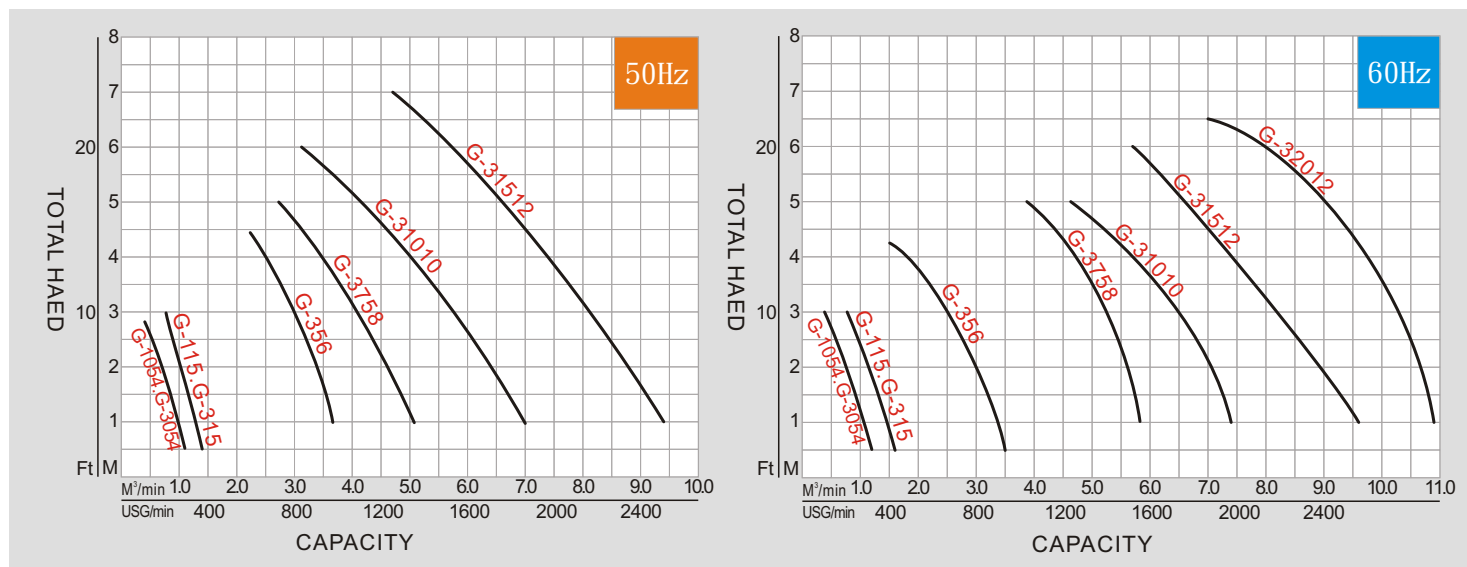


G-31512
G-32012

APPLICATION

1. $\frac{1}{2}$ HP discharge 4" and 1HP discharge 5" are suitable to water cycle in carp farm.
2. Collocation with horticultures, or landscape gardening.
3. Drainage of stream, river, farm-irrigation, fisher ponds.
4. Drainage of sewer treatment, water conservancy engineering, waterworks or other industries.

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power		Caliber		Pole/Rotation		Std.Head	Std.Flow	Max.Flow	Weight	Remark	
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm		M	M³/min	M³/min	KG	REM	
G-1054(U)	50	60	1Ø	$\frac{1}{2}$	0.4	4"	100	2P/2850 2P/3450	1.5M 1.5M	0.8 0.9	1.1 1.2	25	(U):Made of bronze	
G-3054(U)	50	60	3Ø	$\frac{1}{2}$	0.4	4"	100	2P/2850 2P/3450	1.5M 1.5M	0.8 0.9	1.1 1.2	25	(U):Made of bronze	
G-115(U)	50	60	1Ø	1	0.75	5"	125	2P/2850 2P/3450	1.5M 1.5M	1.1 1.3	1.4 1.6	26	(U):Made of bronze	
G-315(U)	50	60	3Ø	1	0.75	5"	125	2P/2850 2P/3450	1.5M 1.5M	1.1 1.3	1.4 1.6	26	(U):Made of bronze	
G-356	50	60	3Ø	5	3.7	6"	150	4P/1425 4P/1725	3M 3M	3.0 2.5	4.0 3.7	75		
G-3758(U)	50	60	3Ø	$7\frac{1}{2}$	5.5	8"	200	4P/1425 4P/1725	4M 4M	3.5 4.7	5.5 6.0	100	(U):Partial made of bronze	
G-31010(U)	50	60	3Ø	10	7.5	10"	250	4P/1425 4P/1725	4M 4M	5.0 5.7	7.5 7.8	130	(U):Partial made of bronze	
G-31512	50	60	3Ø	15	11	12"	300	4P/1425 4P/1725	4.5M 4.5M	7.0 7.0	10.0 10.2	225		
G-32012		60	3Ø	20	15	12"	300		4P/1725	6M	8.0	10.9	240	



Axial-Flow Large Volume Water Pump

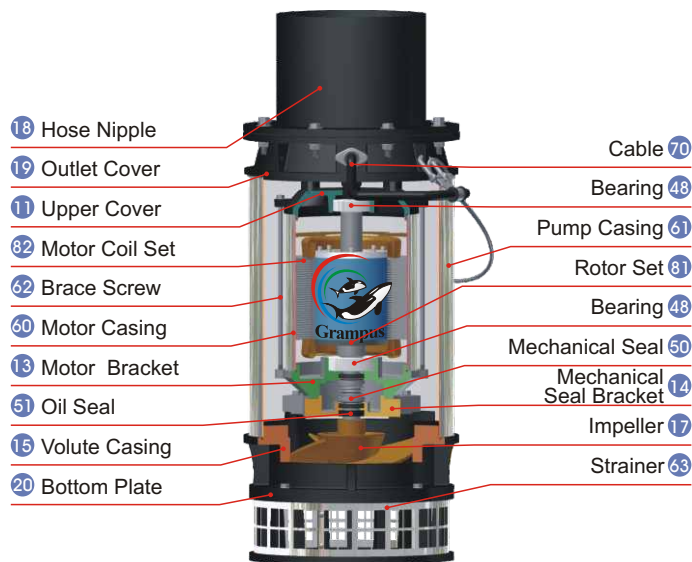
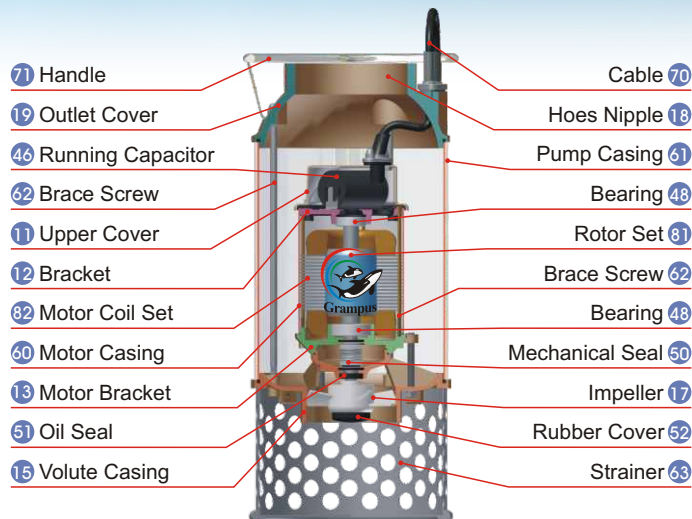


MATERIAL AND STANDARD TABLE

Liquid	Caliber	100 · 125 · 150 · 200 · 250 · 300 (mm)	
	Temperature	0°C~40°C (32°F~104°F)	
	Application	Available to drainage of streams, farming-water conservancy, fishponds, sewers, waterworks, and various related industrial water fields. This type is particular designed for drainage volume of eater.	
	The lowest depth	∇30 M	
Pump	Structure	Impeller	Axial-Flow Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	SUS-304 (0.5-1HP) / FC-200 (5-20HP) / (7.5-10HP Bronzw optional)
		Bearing	Heavy-duty bearing
		Impeller	SUS-304 (0.5-1HP) / Bronze (5-20HP)
		Motor Bracket	FC-200 / Bronze (optional)
		Mechanical Seal Bracket	FC-200 / Bronze (optional)
		Volute Casing	FC-200 / Bronze (optional)
		Suction Casing Cover	FC-200 / Bronze (optional)
		Strainer	SUS-304
		Bottom Plate	FC-200 (7.5-20HP)
		Seal	Lubricant
	Motor Side		Carbon / Ceramic
	Pump Side	0.5-1HP: Silicon Carbide / Silicon Carbide 5-20HP: Carbon / Ceramic	
Motor	Type	Submersible dry type	
	Insulation class	B class (130°C) / F class (7.5-20HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-304
		Cable	Standard VCT / Optional

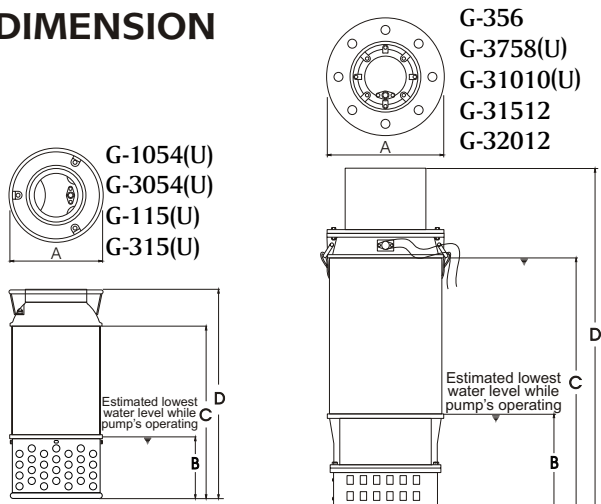
*Spare parts and material of pump could be made by request.

STRUCTURAL DRAWING



Unit:mm

DIMENSION



TYPE	A	B	C	D
G-1054(U)	250	175	450	545
G-3054(U)	250	175	450	545
G-115(U)	250	175	450	545
G-315(U)	250	175	450	545
G-356	275	250	630	865
G-3758(U)	325	205	645	905
G-31010(U)	370	220	670	940
G-31512	430	285	760	1065
G-32012	430	285	810	1115



DW 4" Stainless Steel Well Pump (Water Lubrication)

DW series



APPLICATION

1. Deep well drainage
2. Industrial water supply
3. Household water supply
4. Agricultural irrigation
5. Apartment water supply

ATTENTION

1. Well diameter and depth
2. Actual head and flow
3. Static water level
(Natural water level)
4. Kinetic water level
(Running water level)

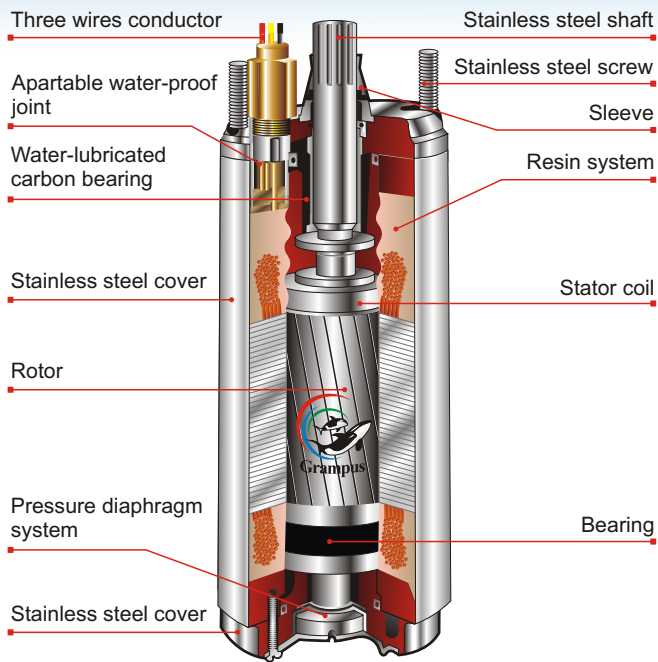
SPECIFICATION

*The product is designed for lubricating by water, avoid operating without water.

Well Diameter	Type	Frequency	Phase	Voltage		Power		Caliber		Pole	Std. Head	Std. Flow	Max. Head	Remark
				Inch	VOLT	HP	KW	Inch	mm					
4"	DW-1506	60	1Ø	220/380	½	0.4	1.5"	40	2P	150	12	240		
	DW-1507	50												
	DW-2504	60	1Ø	220/380	½	0.4	1.5"	40	2P	80	22	150		
	DW-2506	50												
	DW-2507	60	1Ø / 3Ø	220/380	1	0.75	1.5"	40	2P	150	22	260		
	DW-2509	50												
	DW-3505	60	1Ø / 3Ø	220/380	1	0.75	2"	50	2P	110	32	180		
	DW-3506	50												
	DW-1512	60	1Ø / 3Ø	220/380	1½	1.1	1.5"	40	2P	340	12	570		
	DW-1514	50												
	DW-2510	60	1Ø / 3Ø	220/380	1½	1.1	1.5"	40	2P	210	22	370		
	DW-2512	50												
	DW-3506	60	1Ø / 3Ø	220/380	1½	1.1	2"	50	2P	130	32	220		
	DW-3509	50												
	DW-1516	60	1Ø / 3Ø	220/380	2	1.5	1.5"	40	2P	420	12	700	including the control box	
	DW-1518	50												
	DW-2512	60	1Ø / 3Ø	220/380	2	1.5	1.5"	40	2P	210	22	440	including the control box	
	DW-3515	50												
	DW-3508	60	1Ø / 3Ø	220/380	2	1.5	2"	50	2P	180	32	280	including the control box	
	DW-3512	50												
DW-1522	60	1Ø / 3Ø	220/380	3	2.2	1.5"	40	2P	520	12	900	including the control box		
DW-1525	50													
DW-2517	60	1Ø / 3Ø	220/380	3	2.2	1.5"	40	2P	320	22	600	including the control box		
DW-2522	50													
DW-3511	60	1Ø / 3Ø	220/380	3	2.2	2"	50	2P	250	32	390	including the control box		
DW-3518	50													
DW-2526	60	3Ø	220/380	5	3.7	1.5"	40	2P	460	22	900			
DW-2538	50													
DW-3518	60	3Ø	220/380	5	3.7	2"	50	2P	360	32	640			
DW-3530	50													



STRUCTURAL DRAWING

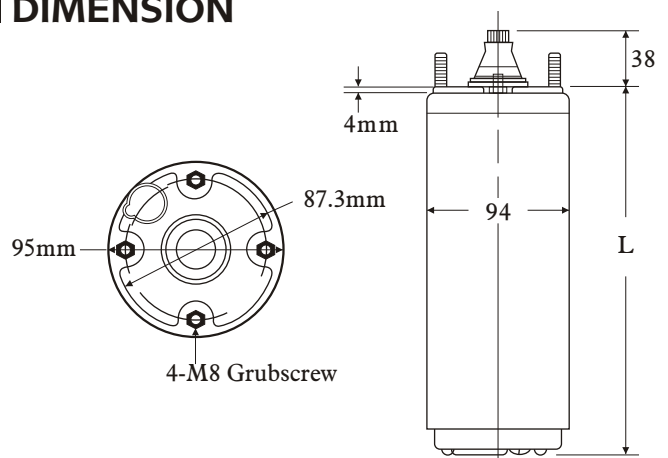


MATERIAL AND STANDARD TABLE

Liquid	Temperature	40°C
	Application	Clean, neutrality, low density, without any solid impurity and fiber inside.
Bearing		Special carbon
Motor	Type	Water-lubricated
	Insulation class	B class (130°C) · EPOXY impregnated
	Pole/Volts	2P/220V or 380V
	Inner protector	Auto Reset AC Motor Protector
Material	Casing	SUS#304
	Main Shaft	SUS#304
	Cable	PVC enclosure, XLPVC inside wire / (UL)

*Spare parts and material of pump could be made by request.

DIMENSION



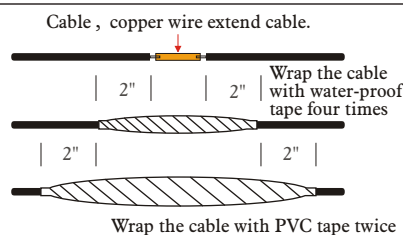
Mansion and drainage system



Farm-irrigation

WATER-PROOF CABLE CONNECTION

When connecting, make sure to entwine the cable and wrap with PVC water-proof tape. Avoid simple wrap, or cause the bad isolation and damage the cable.



Every 1 horse power, electric current is about:

- 1HP 1-phase 110V, 9~11A
- 1HP 1-phase 220V, 4.5~5.5A
- 1HP 3-phase 220V, 2.5~3.5A
- 1HP 3-phase 380V, 1.5~2.0A

According to the situation of set up is different at project scene, our Lifting Device doesn't include the Guide Rail. Guide Rail needs to be purchased optional.

■ Guide Rail System

AS、BS、B、P series with automatically lift bracket, which is easy to repair or maintain by guide rail bars and chains. On the other hand, that help pumps ascend and descend, assemble and disassemble, and it is safer and more convenient comparing to traditional pump.

■ APPLICATION

Piggery excrement, factory sewage, food-processing factory, leather factory, paper dyeing, iron and steel, and various industries.

■ SPECIFICATION

Type	Caliber	
TYPE	Inch	mm
TOS-2	2"	50
TOS-3	3"	80
TOS-4	4"	100
TOS-6	6"	150
TOS-8	8"	200



Type	Caliber	
TYPE	Inch	mm
TUS-2	2"	50
TUS-3	3"	80
TUS-4	4"	100



■ Guide Rail System of Constitution



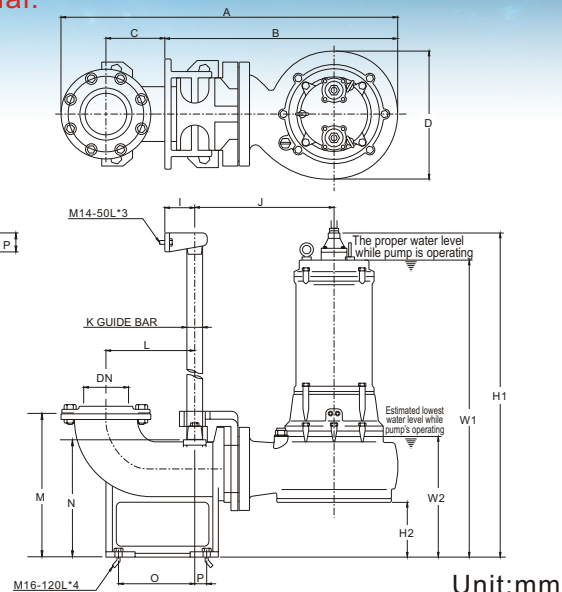
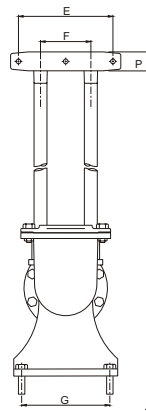
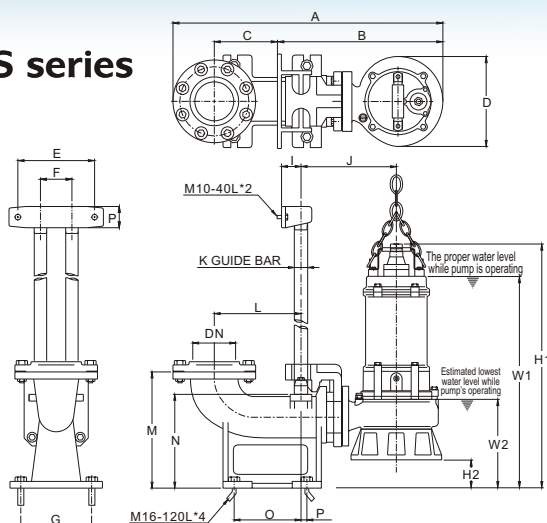
High building drainage system

TOS / TUS parts (Guide Rail System) **Accessories**

According to the situation of set up is different at project scene, our Lifting Device doesn't include the Guide Rail. Guide Rail needs to be purchased optional.

■ DIMENSION

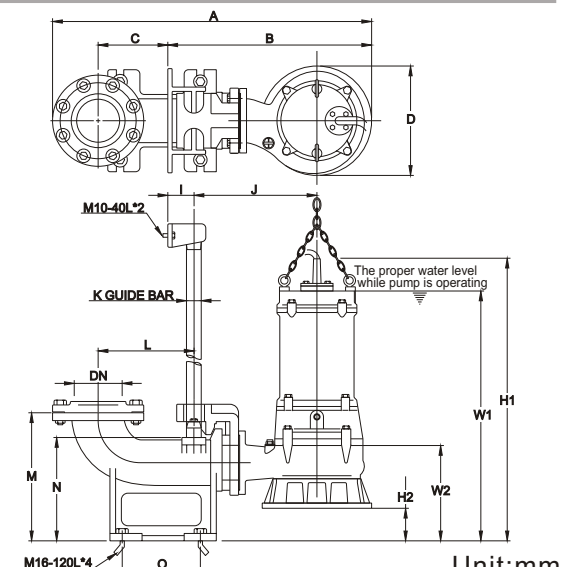
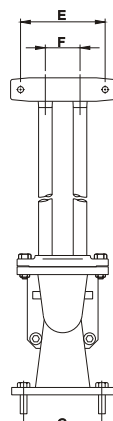
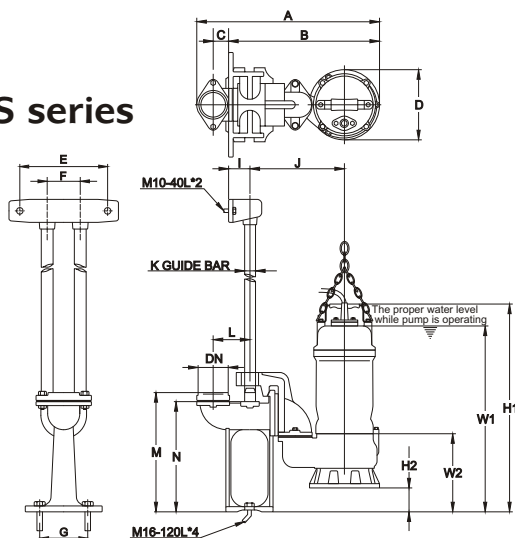
AS series



Unit:mm

TYPE	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
TOS-AS-323	80	570	385	95	220	185	70	130	50	225	1"	145	300	275	135	565	250	635	120
TOS-AS-333	100	800	530	165	295	195	80	180	60	320	1 1/4"	225	295	238	160	590	235	670	120
TOS-AS-353	100	812	540	165	325	195	80	180	60	320	1 1/4"	225	295	238	160	630	255	715	120
TOS-AS-3754	100	885	620	165	395	195	80	180	60	365	1 1/4"	225	295	238	160	660	270	760	100
TOS-AS-3104	100	890	620	165	390	195	80	180	60	365	1 1/4"	225	295	238	160	675	260	780	110
TOS-AS-3156	150	1010	770	184	460	300	160	280	95	435	2"	282	455	370	240	900	380	1000	180
TOS-AS-3206	150	1010	770	184	425	300	160	280	95	435	2"	282	455	370	240	950	380	1050	160
TOS-AS-3158	200	1150	770	215	460	300	160	280	97	435	2"	310	465	370	240	920	400	1020	180
TOS-AS-3208	200	1150	770	215	425	300	160	280	97	435	2"	310	465	370	240	970	400	1070	160

BS series



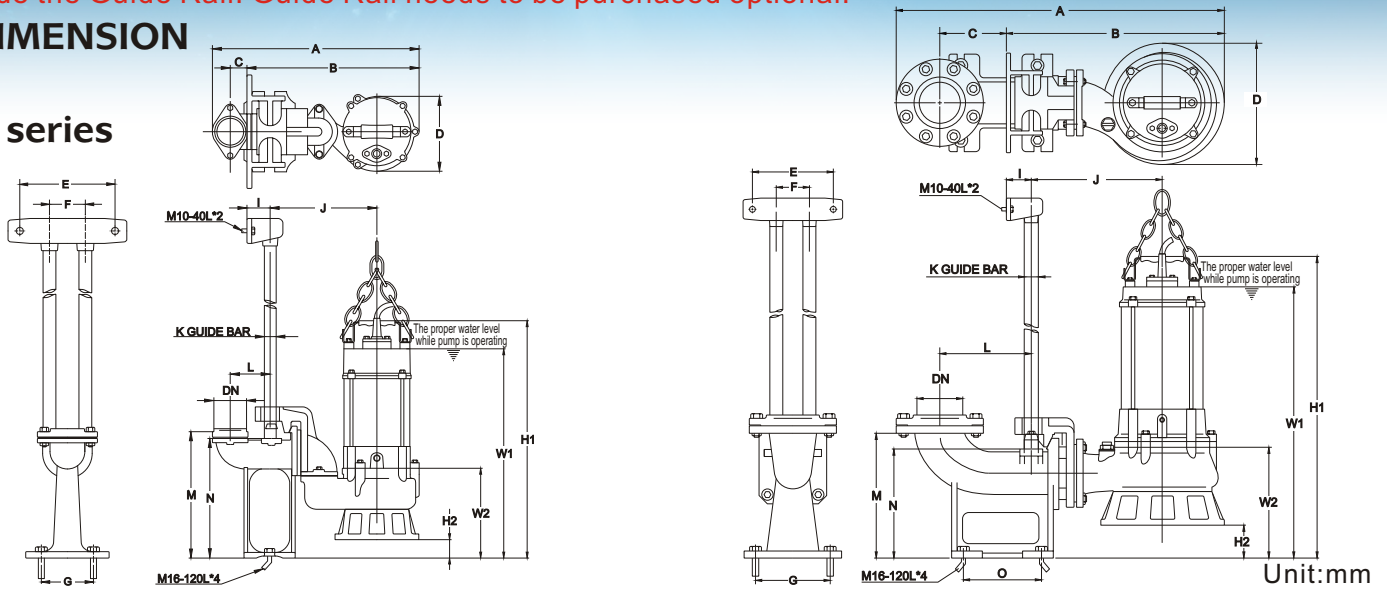
Unit:mm

TYPE	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
TOS-BS-1052	50	430	350	40	165	185	70	100	50	220	1"	90	280	255		400	180	450	45
TOS-BS-3052	50	430	350	40	165	185	70	100	50	220	1"	90	280	255		400	180	450	45
TOS-BS-112	50	430	350	40	165	185	70	100	50	220	1"	100	280	255		435	180	485	45
TOS-BS-312	50	430	350	40	165	185	70	100	50	220	1"	100	280	255		435	180	485	45
TOS-BS-323	80	590	400	95	220	185	70	130	50	240	1"	145	305	275	130	585	275	655	115
TOS-BS-333	80	640	455	95	250	185	70	130	50	280	1"	145	305	275	130	575	270	650	105
TOS-BS-353	100	750	485	160	250	195	80	180	60	300	1 1/4"	220	295	240	170	555	230	625	65
TOS-BS-3754	100	750	485	160	250	195	80	180	60	300	1 1/4"	220	295	240	170	575	230	645	65
TOS-BS-3104	100	750	485	160	250	195	80	180	60	300	1 1/4"	20	295	240	170	595	230	675	65

According to the situation of set up is different at project scene, our Lifting Device doesn't include the Guide Rail. Guide Rail needs to be purchased optional.

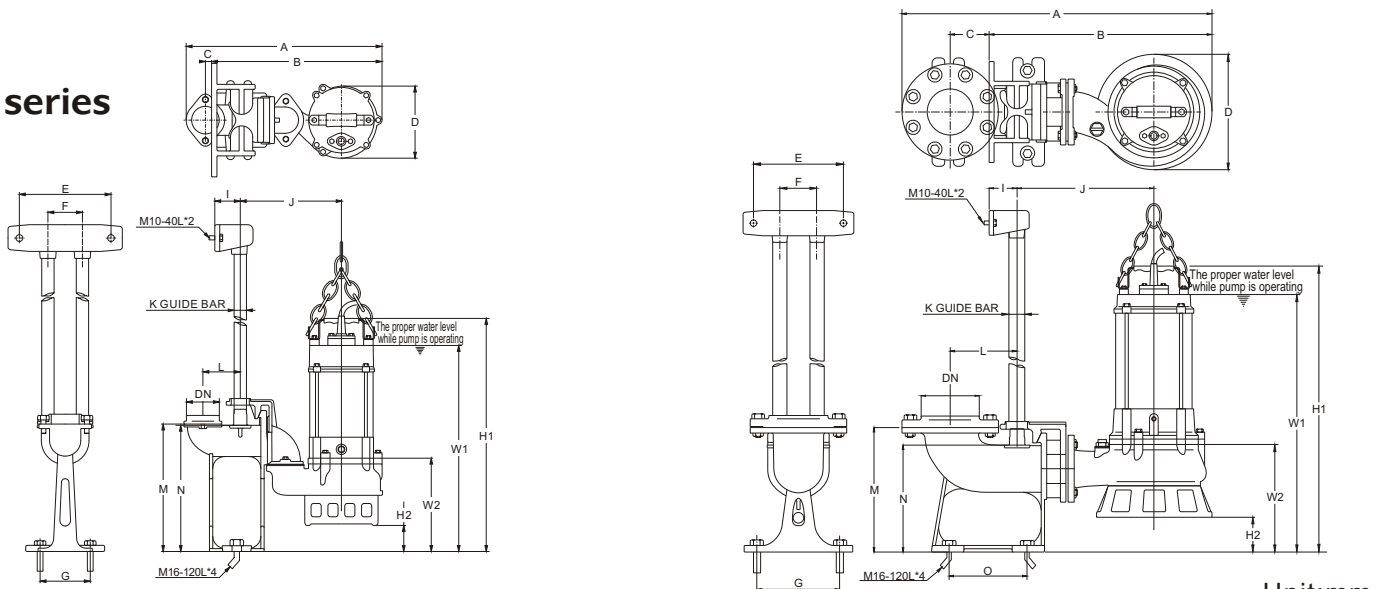
■ DIMENSION

B series



TYPE	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
TOS-B-1052	50	430	355	40	170	185	70	100	50	220	1"	90	275	255		405	180	460	45
TOS-B-3052	50	430	355	40	170	185	70	100	50	220	1"	90	275	255		375	180	430	45
TOS-B-112	50	430	355	40	170	185	70	105	50	220	1"	90	275	255		435	180	490	45
TOS-B-312	50	430	355	40	170	185	70	105	50	220	1"	90	275	255		410	180	460	45
TOS-B-123	80	640	460	95	220	185	70	130	50	300	1"	145	305	275	130	530	180	585	25
TOS-B-323	80	585	400	95	220	185	70	130	50	220	1"	145	305	275	130	555	275	610	120
TOS-B-333	80	630	445	95	250	185	70	130	50	280	1"	145	305	275	130	580	275	645	115
TOS-B-353	100	740	475	160	250	195	80	180	60	285	1 1/4"	220	295	240	170	560	235	620	70
TOS-B-3754	100	750	485	160	250	195	80	180	60	300	1 1/4"	220	295	240	170	580	230	660	70
TOS-B-3104	100	750	485	160	250	195	80	180	60	300	1 1/4"	220	295	240	170	600	230	680	70

P series



TYPE	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
TUS-P-1052	50	400	350	15	145	185	70	100	50	205	1"	75	256	254		420	200	485	65
TUS-P-3052	50	400	350	15	145	185	70	100	50	205	1"	75	256	254		395	200	460	65
TUS-P-112	50	400	350	15	145	185	70	100	50	205	1"	75	256	254		455	200	515	65
TUS-P-312	50	400	350	15	145	185	70	100	50	205	1"	75	256	254		425	200	490	65
TUS-P-123	80	470	390	30	205	185	70	100	50	230	1"	90	266	264	125	665	280	650	135
TUS-P-323	80	470	390	30	205	185	70	100	50	230	1"	90	266	264	125	560	280	610	135
TUS-P-333	80	530	450	30	235	185	70	100	50	270	1"	90	266	264	125	580	280	645	110
TUS-P-353	100	670	480	85	230	195	80	180	60	300	1 1/4"	145	271	233	170	555	240	620	65

JET / TOJ parts (JET Aerator / Guide Rail System)

Accessories

According to the situation of set up is different at project scene, our Aeration Device doesn't include the Air Pipe. Air Pipe is optional.

APPLICATION

Industrial wastewater aeration treatment, animal husbandry sewage water aeration treatment, general sewer aeration engineering, aeration tank of the active slurry treatment in the plant, aeration of various industries and the apparatus of mixing wastewater treatment.



The real installation



Industry wastewater aeration treatment

AERATION PROCESS

Air Pipe

Vortex impeller produces high speed jet flow to cause the discrepancy of the minus pressure and barometric pressure in the mixing chamber in order to the air is sucked in the mixing chamber through air pipe.

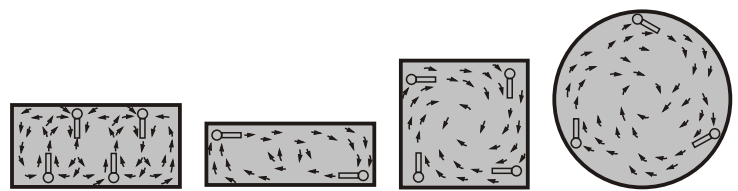
Mixing Chamber

The air sucked in the mixing chamber by high speed produces upward convection of numerous tiny bubbles through compressing the air and water of the effect of water pressure to increase the oxygen in the aeration tank.

Diffusing Pipe

The aeration flow of powerful tiny bubbles drains through diffusing pipe, the speed becomes slow, the pressure increase greater. The aeration effect will be excellent as long as the aerator is installed at the proper water depth.

INSTALLATION CONSULTATION



A Rectangular Tank

(L:W=2:1)

(L:W=5:1)

A Square Tank

A Circle Tank

SPECIFICATION

Type	Caliber	
TYPE	Inch	mm
JET-25	1"	25
JET-32	1 1/4"	32
JET-40	1 1/2"	40
JET-50	2"	50



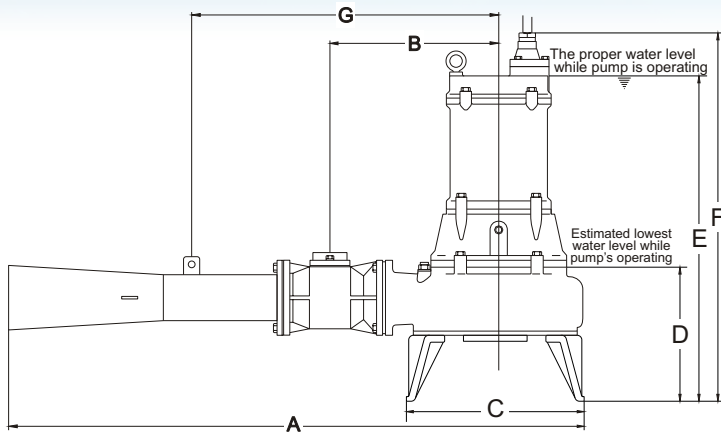
Type	Caliber	
TYPE	Inch	mm
TOJ-25	1"	25
TOJ-32	1 1/4"	32
TOJ-40	1 1/2"	40
TOJ-50	2"	50



According to the situation of set up is different at project scene, our Aeration Device doesn't include the Air Pipe. Air Pipe is optional.

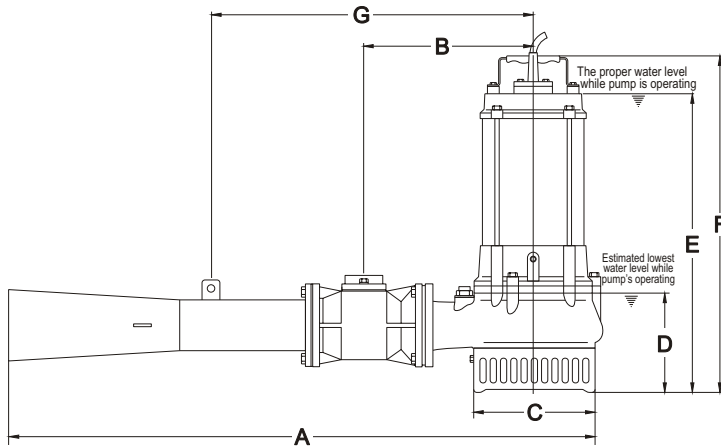
■ DIMENSION

Unit:mm

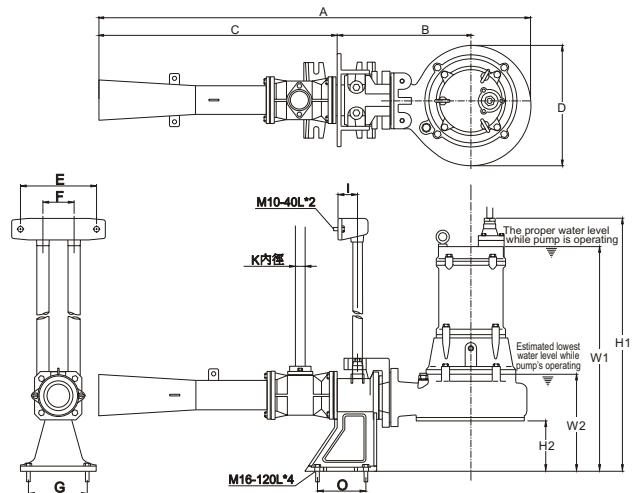
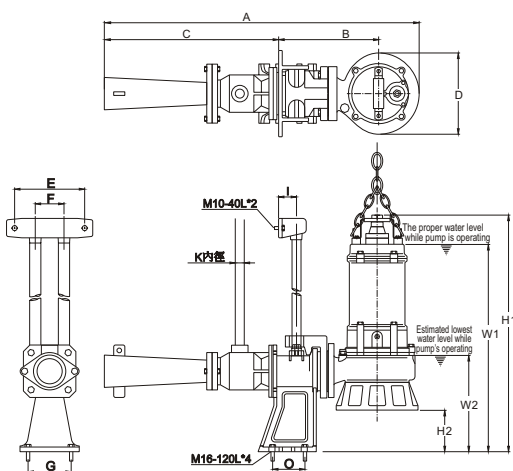


TYPE	A	B	C	D	E	F	G
JET-AS-323	720	235	220	135	445	530	570
JET-AS-333	1100	320	315	225	575	655	590
JET-AS-353	1100	320	315	250	625	705	590
JET-AS-3754	1180	360	395	295	705	805	630
JET-AS-3104	1185	365	395	295	710	810	635

TYPE	A	B	C	D	E	F	G
JET-BS-323	710	250	180	140	455	520	595
JET-BS-333	760	290	195	160	465	540	620
JET-BS-353	1015	295	195	160	485	560	565
JET-BS-3754	1015	295	195	160	505	580	565
JET-BS-3104	1015	295	195	160	525	600	565



TYPE	A	B	C	D	E	F	G
JET-B-1052	655	210	145	110	345	400	545
JET-B-3052	655	210	145	110	315	370	545
JET-B-112	655	210	145	110	375	430	545
JET-B-312	655	210	145	110	350	405	545
JET-B-123	710	250	180	140	490	545	580
JET-B-323	710	250	180	140	420	470	580
JET-B-333	745	275	195	160	465	525	610
JET-B-353	1005	285	195	160	485	565	555
JET-B-3754	1005	285	195	160	510	585	555
JET-B-3104	1005	285	195	160	530	610	555



Unit:mm

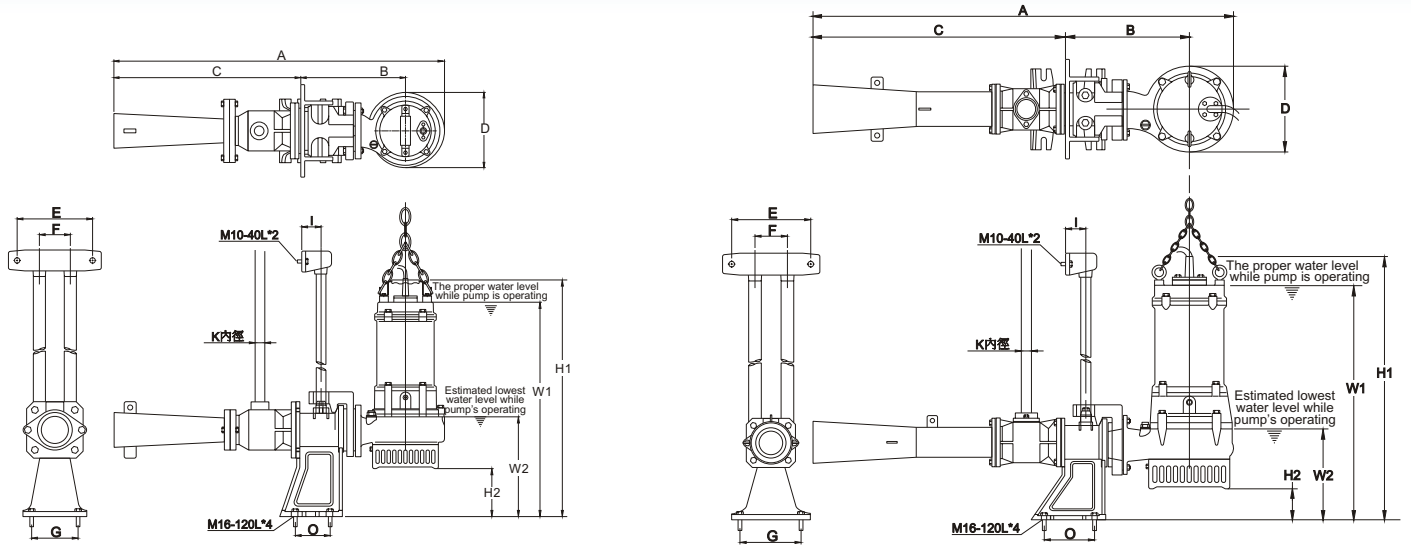
TYPE	A	B	C	D	E	F	G	I	K	O	H1	H2	W1	W2
TOJ-AS-323	885	305	470	220	230	80	120	50	1 1/4"	90	660	130	575	260
TOJ-AS-333	1270	380	740	295	230	80	180	60	1 1/2"	150	720	170	635	285
TOJ-AS-353	1285	380	740	325	230	80	180	60	1 1/2"	150	765	165	680	310
TOJ-AS-3754	1360	425	740	395	230	80	180	60	2"	150	810	150	710	320
TOJ-AS-3104	1360	425	740	390	230	80	180	60	2"	150	830	160	730	310

JET / TOJ parts (JET Aerator / Guide Rail System)

Accessories

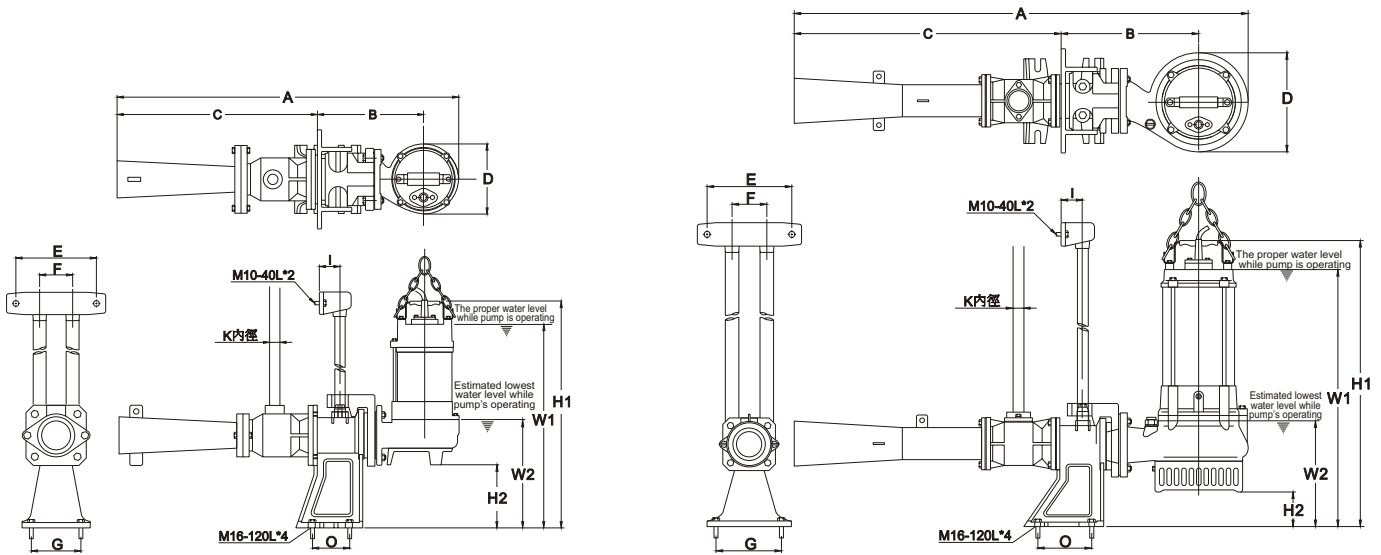
According to the situation of set up is different at project scene, our Aeration Device doesn't include the Air Pipe. Air Pipe is optional.

DIMENSION



Unit:mm

TYPE	A	B	C	D	E	F	G	I	K	O	H1	H2	W1	W2
TOJ-BS-323	875	300	470	200	185	70	120	50	1 1/4"	90	655	130	585	275
TOJ-BS-333	945	360	470	225	185	70	120	50	1 1/4"	90	650	110	575	270
TOJ-BS-353	1215	360	740	225	185	70	180	60	1 1/2"	150	675	120	605	280



Unit:mm

TYPE	A	B	C	D	E	F	G	I	K	O	H1	H2	W1	W2
TOJ-B-1052(3052)	815	265	470	145	185	70	120	50	1"	90	545	145	490	255
TOJ-B-112(312)	815	265	470	145	185	70	120	50	1"	90	580	145	525	255
TOJ-B-123(323)	870	300	470	205	185	70	120	50	1 1/4"	90	680	135	625	275
TOJ-B-333	875	300	470	205	185	70	120	50	1 1/4"	90	645	120	580	280
TOJ-B-353	1200	350	740	210	185	70	120	50	1 1/4"	90	670	125	610	285

■ OPERATION

1. Inserts cable into counter weight.
2. Assure the water level in order to adjust the distance between counter weight and float switch controller.
3. For long lifetime using float switch controller that connecting wires must be waterproof treatment.

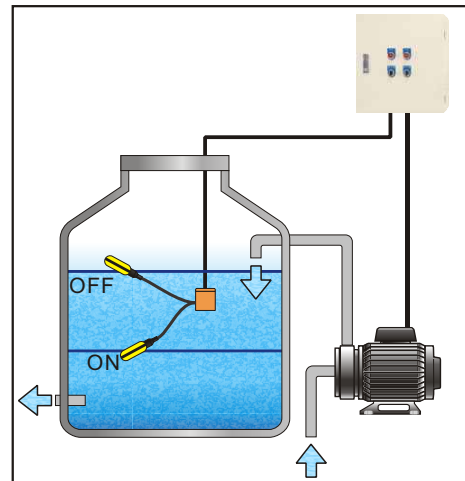
Remark:

1. During the pumping, the lowest level of float switch control should not lower than the suction strainer or touching ground.
2. There should not be any obstacles to impede float switch controller operation.
3. The part of connecting wires must be waterproof treatment for avoiding moisture and water penetration. We will not pay for the responsibility of replacement.

■ SPECIFICATION

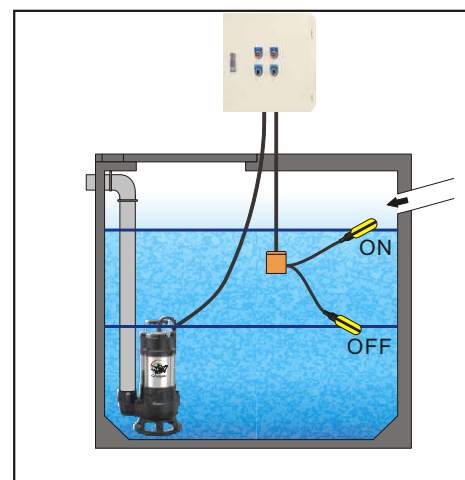
1. Max loading current : 16(8) Amp
2. Max voltage: 250VAC 50/60Hz
3. Temperature : 0~60°C
4. A and B contacts

■ DRAGRAM OF INSTALLATION



Supplying water from tank is by using blue and black wires. Float switch controller is in the high level, the inner sensor is separated, so it wouldn't operate. On the converse, float switch will operate when it reach low level.

■ DRAWING OF INSTALLING FLOAT SWITCH



Pumping water in tank is by using black and brown wires. When float switch controller is in high level, the sensor will be contacted in order to operation. On the opposite, it wouldn't work.

Quality Inspection



Test control Panel



Test Automation



Electric Control Valve



Test Waterway



Motor Performance Table



Pump Performance Table

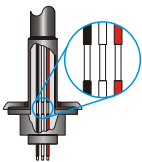


Power Meter Unit



Casting Storehouse Area

Main Part



Waterproof Cable Base

Our motor wire has the highest quality waterproof treatment to prevent moisture into motor from gaps or other situations.



Ball Bearing

Precision ball bearing, whose character is high circumgyration, low noise, low vibration and low wear torque, increases long service life.



Protector

The automatic reset motor overload protector will shut itself off automatically to prevent overheat whenever its voltage drop, impeller plugged, the drainage line is below the watermark and other unusual conditions.



Dual Silicon Car-bide Mechanical Seal

Its character is mud-resistance and excellent lubrication and is good for long-lasting running. The dual enclosed construction has a diaphragm to prevent leakage strongly.



Motor

Made from 2 Pole dry type motor with insulation class B (130°C) which is sustainable in high temperature.



Vortex Impeller

The vortex impeller not only could drain out solid object and long fiber object, but also it will be without touching the impeller in which reduce the abrasion and approach lif extension.



Contact Information in Viet Nam

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E-mail:ecotech.hcm@gmail.com

www.ecotechpump.com

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- 2.Please inform the detailed type, application, phase, power, caliber, voltage and head before order. It is easy to obtain a suitable model.
- 3.All the capabilities and specifications are subject to the products. If the voltage and frequency is specific standard, please customize in advance.