



PRODUCT CATALOG | 2022

May. V1



Integrity Innovation Improvement

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CAT-E6-PROD2205



RESEARCH, DEVELOPMENT AND MANUFACTURE IN TAIWAN

Heng Long Electric is one of the leading pump manufacturers in Taiwan with 3 offices across the globe, including the head office in Kaohsiung. The company also has a cooperative company in the EU and China carrying out work in sales and services. With more than 30 years of experience in designing, researching, and developing in pumps product, "Grampus" is the best recognition of our effort. From material selection to order delivery, we monitor every process closely to ensure our pumps are in "excellent state" before handed to our customers.

Our product provides a wide scope of applications to meet market demands nowadays. The applications include wastewater treatment, farm irrigation, aquaculture, daily home use, 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.

Business Philosophy

- **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.

Quality Policy

Maintaining quality is not only our supreme spirit, but also our mission.



- CE marking of EU Directive.
- ISO 9001:2015 Quality management systems certificated.
- Bronze medal award of Talent Quality-management System of Workforce Development Agency, Ministry of Labor Taiwan.
- CNS NO. 8080 and 8432 certification of Bureau of Standards, Metrology and Inspection, M.O.E.A. Taiwan.
- CNS NO. 9813 and 8433 certification of Bureau of Standards, Metrology and Inspection, M.O.E.A. Taiwan.
- Pump test laboratory testing capability certificated by TAF and mutually recognized the agreement with ILAC.
- EX series of products has passed the Taiwan TS explosion-proof unit certification, Zone1 and Group IIB T4.

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

INDEX

	EX Series Explosion-Proof Sewage Pump P02		H / L Series Portable Sump Pump P04		K / Q Series Portable Sump Pump P06
	BH/BL Series Multi-Usability Sewage Pump P08		B Series Non-Clog Sewage Pump P10		BF Series High Efficiency Sewage Pump P12
	BV Series Full Free Passage Sewage Pump P14		A Series Submersible High Head Pump P16		P Series Non-Clog Stainless Steel Sewage Pump P18
	AS Series Apparatus Use Sewage Pump P20		BS Series Non-Clog Apparatus Use Sewage Pump P22		BSF Series High Efficiency Apparatus Use Sewage Pump P24
	T Series Water-Cooling Sump Pump P26		G Series Axial-Flow Large Volume Water Sump Pump P28		GD Series Grinder Pump P30
	AJ Series Submersible Aerator P32		S Series Portable Dewatering Pump P34		RM Series Submersible Mixer Pump P35
	FS Series Floating Scum Skimmer P36		BD Series Sludge Pump P37		TC Series Portable Residue Dewatering Pump P38
	GP/KR/KT/TM/GH Series Industry Slurry Pump P39		TOS/TUS Series Guide Rail System P52		JET/TOJ Series JET Aerator / Guide Rail System P53



Explosion-Proof Sewage Pump

Ex d IIB T4 Gb



TD07030J
(ISTI) 2018 NO. 07-00050
(ISTI) 2018 NO. 07-00051
(ISTI) 2018 NO. 07-00052



EX-323N
EX-333N
EX-353N



Vortex Non-Clog Impeller



Semi-open Impeller

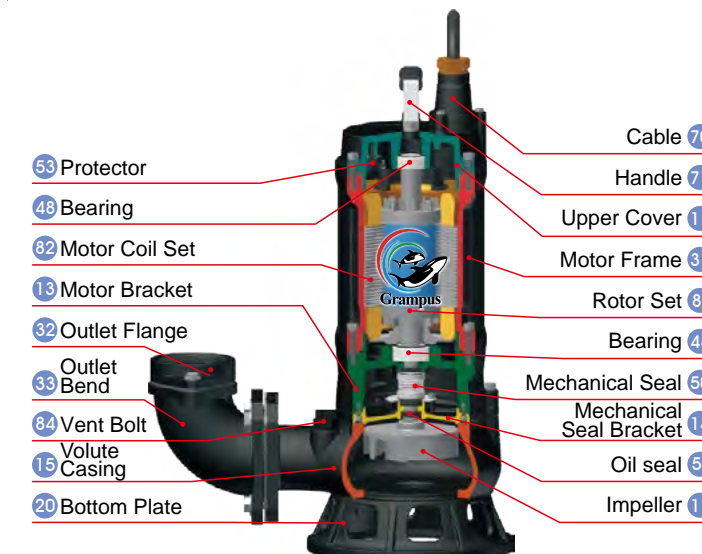
FEATURES

1. Certificate: Taiwan TS explosion-proof unit certification, Zone1 and Group IIB T4 standard.
2. Motors are specially sealed and designed to be pressure-proof and explosion-proof to prevent the external structure from exploding due to pressure from the gas detonating in the motor casing.
3. Motor specification: IE4 (Super Premium), insulation grade F (155°C) of dry induction motor, explosion-proof grade EX d IIB T4 GB.
4. "External Temperature Control wire" & "Auto-cut" which prevents the motor from overheating.
5. Thick Epoxy resin coating for better corrosion and rust-resistance.

APPLICATION

1. In a hazardous area such as Zone1, Group IIB T4, the gas, vapor or mist, will turn the environment into an explosive environment and may be used in places where these conditions may exist.
2. It is used in closed areas containing biogas, chemical, flammable, explosive gas, dust, etc.
3. Suitable for chemicals, petroleum, mining, power plants, sewage treatment plants, sewer systems, livestock farms, industrial and agricultural wastewater discharge.

STRUCTURAL DRAWING

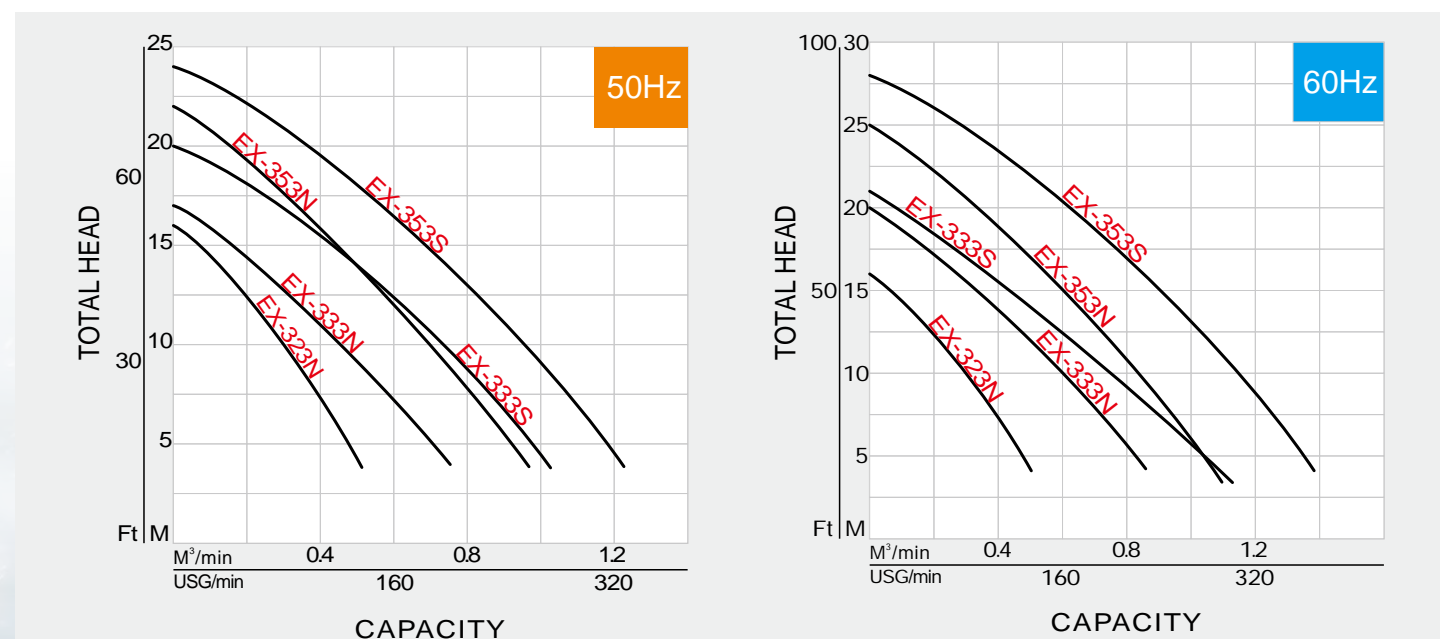


MATERIAL AND STANDARD TABLE

Liquid	Caliber	80mm	
	Temperature	0°C~40°C(32°F~104°F)	
	Application	Suitable for chemical, petroleum, mining, power plants, sewage treatment plants, sewer systems, livestock farms, industrial and agricultural wastewater discharge.	
Pump	The lowest depth	▽30 M	
	Structure	Impeller	Vortex Impeller / Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	Vortex:FC-200 / Semi-open:SCS13
		Volute Casing	FC-200
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
	Seal	Bottom Plate	FC-200
Lubricant		ISO VG.#32	
Motor Side		Carbon / Ceramic	
Motor	Pump Side	Silicon Carbide / Silicon Carbide	
	Type	Submersible dry type	
	Insulation class	F class (155°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	FC-200
Main Shaft		SUS-403 / SUS-410	
Cable		Standard VCT	

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

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M ³ /min	M	M ³ /min	KG	mm					
EX-323N	50	60	3Ø	2	1.5	3"	80	2P / 2850 / 3450	10	10	0.30	0.30	16	16	0.60	0.60	55	40
EX-333N	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	11	12	0.40	0.50	17	20	0.90	1.00	57	40
EX-353N	50	60	3Ø	5	3.7	3"	80	2P / 2850 / 3450	14	17	0.50	0.50	22	25	1.10	1.20	60	40
EX-333S	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	14	14	0.50	0.50	20	21	1.15	1.30	57	35
EX-353S	50	60	3Ø	5	3.7	3"	80	2P / 3850 / 3450	18	22	0.50	0.50	24	28	1.35	1.50	60	35



Portable Sump Pump

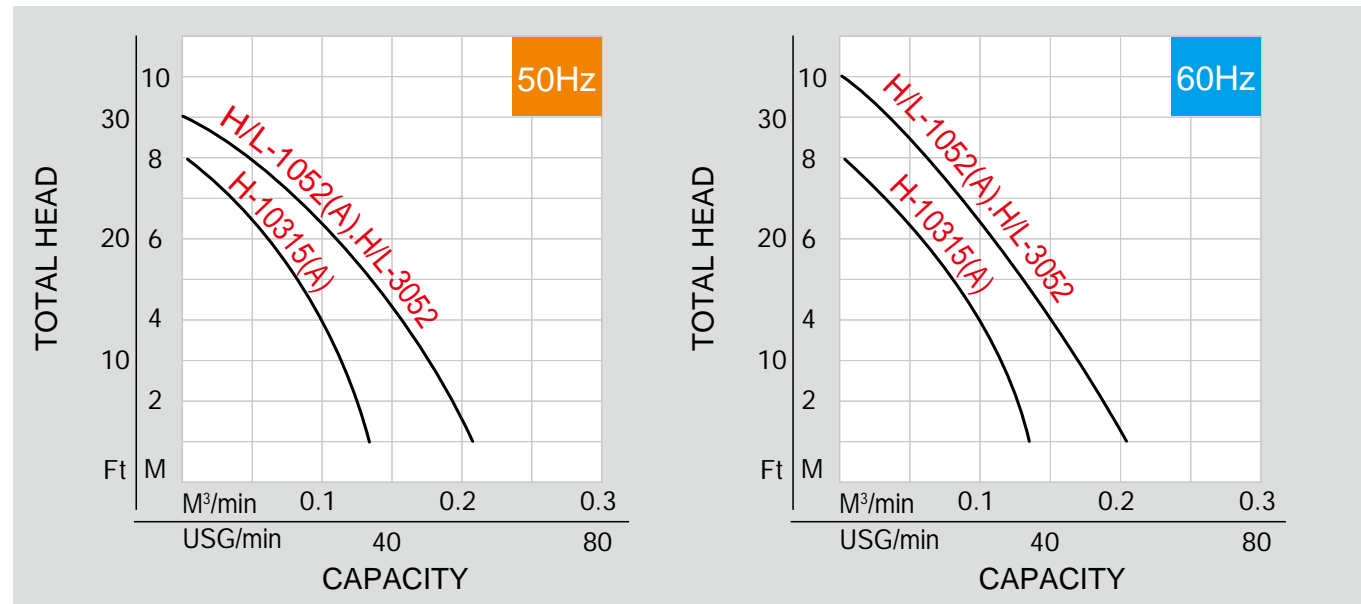
H / L series



FEATURES

1. Obtained patent by Intellectual Property Office, Ministry of Economic Affairs in Taiwan.
2. Equipped with a high-quality dual SIC mechanical seal.
3. The stainless steel motor housing (IEC IP68) is durable and easy to carry.
4. A Single-phase motor is equipped with a built-in thermal protector.
5. Solid object and long fiber can pass through the vortex impeller.
6. High-intensity plastic impeller, strainer, and stand are rustproof and durable.
7. It's easy to operate without complex installation and maintenance.
8. Thick Epoxy coating is better for corrosion and rust resistance.

PERFORMANCE CURVE



SPECIFICATION

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

Model	Frequency	Phase	Voltage	Power	Discharge	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					
H-10315(A)	50	60	1Ø	110/220	1/3	0.25	1 1/2"	40	2P / 2850 / 3450	4	4	0.10	0.10	8	8	0.14	0.14	8
H/L-1052	50	60	1Ø	110/220	1/2	0.4	2"	50	2P / 2850 / 3450	6	6	0.11	0.11	9	10	0.22	0.22	10
H/L-1052A	50	60	1Ø	110/220	1/2	0.4	2"	50	2P / 2850 / 3450	6	6	0.11	0.11	9	10	0.22	0.22	10
H/L-3052	50	60	3Ø	220/380	1/2	0.4	2"	50	2P / 2850 / 3450	6	6	0.11	0.11	9	10	0.22	0.22	10

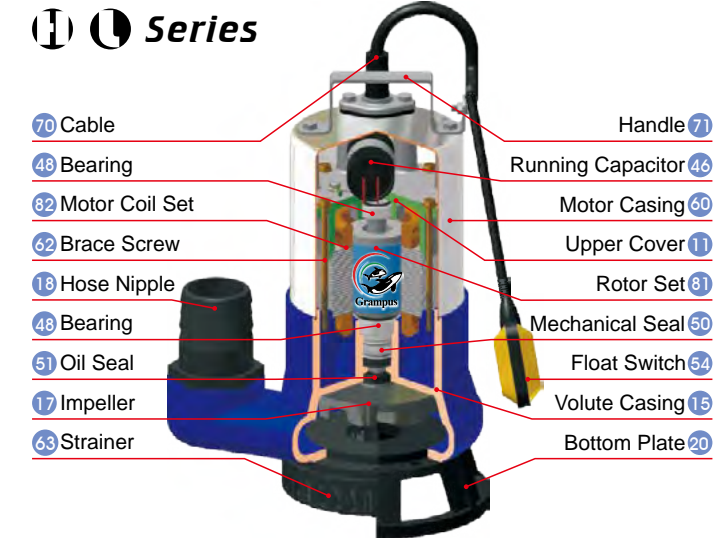
APPLICATION

1. Household wastewater, standing water in basements, sewer wastewater drainage.
2. Washing car, watering garden, landscape flowing water.
3. Pond, septic tank and community sewage drainage.
4. Plant and general sewage pumping and sucking.
5. Weak acid and alkaline wastewater treatment of buildings and animal husbandry.
6. The pumping station, wastewater treatment.
7. The Bottom strainer is only built for H series; its function is to filter small objects and avoid objects from blocking the suction gap.
8. The base stand of L Series allows bigger solids to pass through.

ATTENTION

1. The Auto-cut automatically shuts off the motor to prevent overheating, voltage drops, a plugged impeller, low water level and other unusual conditions. In these cases, conditions need to be changed to avoid device failure.
2. The submersible pump relies on outside cooling water so cannot be used with a low water level.
3. Don't run over 24 hours. Proper usage will extend service life.
4. In the H and L series avoid pumping liquid with lots of sand or liquid with excessive acidity and alkalinity.
5. This model is used in weak-acid and weak alkaline wastewater. If draining highly corrosive liquid, use other pumps made of special materials.

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

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

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



Portable Sump Pump

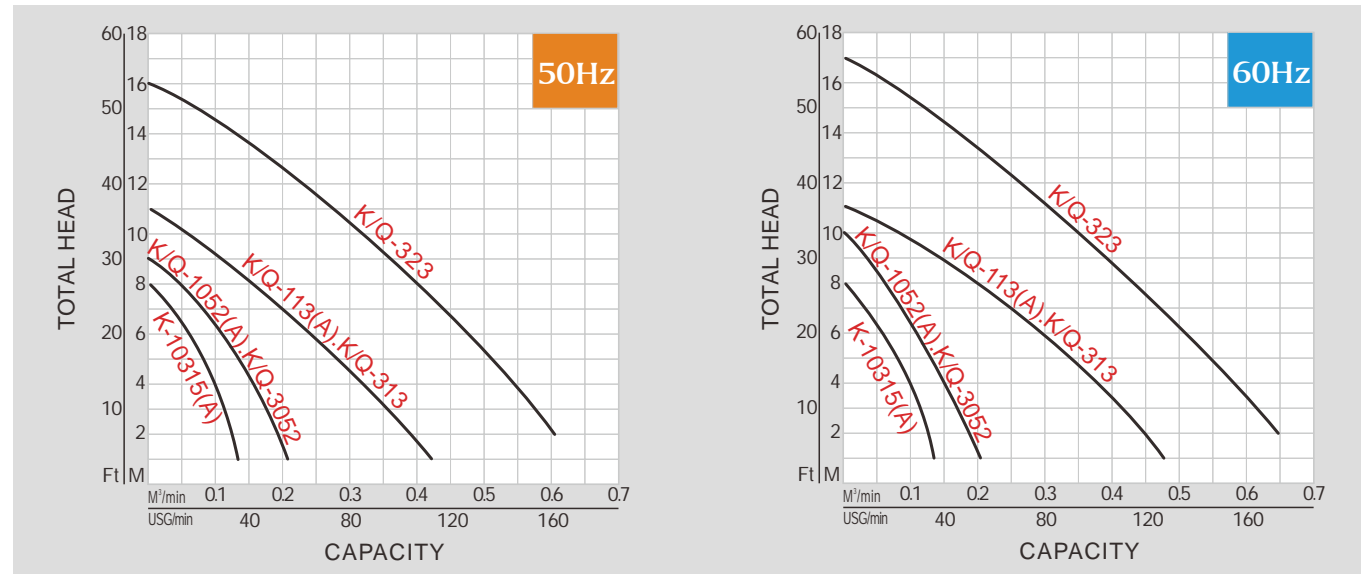
K / Q series (SUS#316)



FEATURES

1. Obtained a new design patent by intellectual property office, Ministry of Economic Affairs in Taiwan.
2. SIC mechanical seal in the stainless steel model resists moisture and corrosion.
3. Stainless housing stamped in one piece without seam is durable and easy to carry. The housing conforms to IEC IP68 standard.
4. A built-in auto-cut thermal protector prevents the motor from overheating.
5. With an open suspension impeller design, the water channel won't interfere with the bottom plate.
6. Special engineering-strength fiber resin impeller, plastic hose and bottom plate design to enhance durability.
7. It's light and handy, good design, durable, and easy to use. Just plug in the cable and it is ready to use.
8. The K & Q series volute casing is made of SCS 14 material dewaxing precision casting for a better waterproof and anti-leaking design. It is usable in weak acids and bases.

PERFORMANCE CURVE



SPECIFICATION

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

Model	Frequency	Phase	Voltage	Power	Discharge	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					
K-10315(A)	50	60	10	110/220	1/3	0.25	1 1/2"	40	2P / 2850 / 3450	4	4	0.10	0.10	8	8	0.14	0.14	8
K/Q-1052(A)	50	60	10	110/220	1/2	0.4	2"	50	2P / 2850 / 3450	6	6	0.11	0.11	9	10	0.22	0.22	10
K/Q-3052	50	60	30	220/380	1/2	0.4	2"	50	2P / 2850 / 3450	6	6	0.11	0.11	9	10	0.22	0.22	10
K/Q-113(A)	50	60	10	110/220	1	0.75	3"	80	2P / 2850 / 3450	7	7	0.20	0.25	11	11	0.45	0.50	19
K/Q-313	50	60	30	220/380	1	0.75	3"	80	2P / 2850 / 3450	7	7	0.20	0.25	11	11	0.45	0.50	19
K/Q-323	50	60	30	220/380	2	1.5	3"	80	2P / 2850 / 3450	10	10	0.32	0.35	16	17	0.65	0.70	27

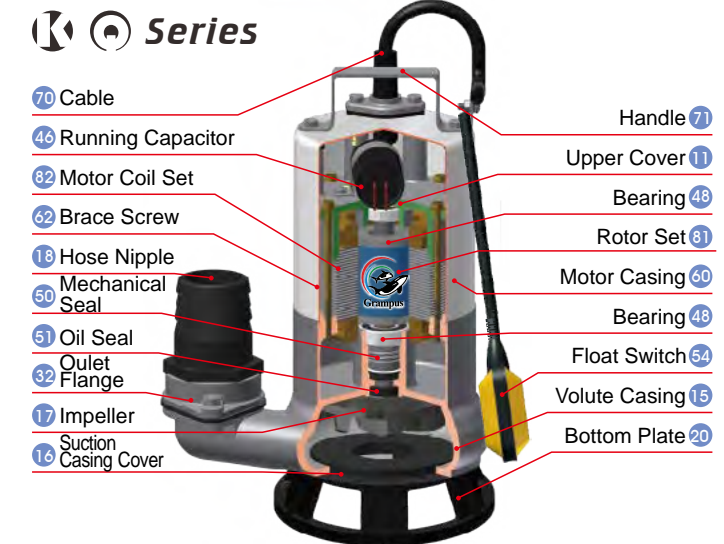
APPLICATION

1. Household wastewater, standing water in basement, sewer wastewater drainage.
2. Washing car, watering garden, landscape flowing water.
3. Pond, septic tank and community sewage drainage.
4. Plant and general sewage pumping and sucking.
5. Weak-acid and weak-alkaline wastewater treatment of building and animal husbandry.
6. The pumping station, wastewater treatment.
7. The Bottom strainer is only for the K series, which is to filter small objects to avoid objects block the suction gap.
8. The base stand of Q Series allows bigger solids to pass through.

ATTENTION

1. The Auto-cut automatically shuts off the motor to prevent overheating, voltage drops, a plugged impeller, low water level and other unusual conditions. In these cases, conditions need to be changed to avoid device failure.
2. The submersible pump relies on outside cooling water so cannot be used with a low water level.
3. Don't run over 24 hours. Proper usage will extend service life.
4. This model is used in weak-acid and weak alkaline wastewater. If draining highly corrosive liquid, use other pumps made of special materials.

STRUCTURAL DRAWING



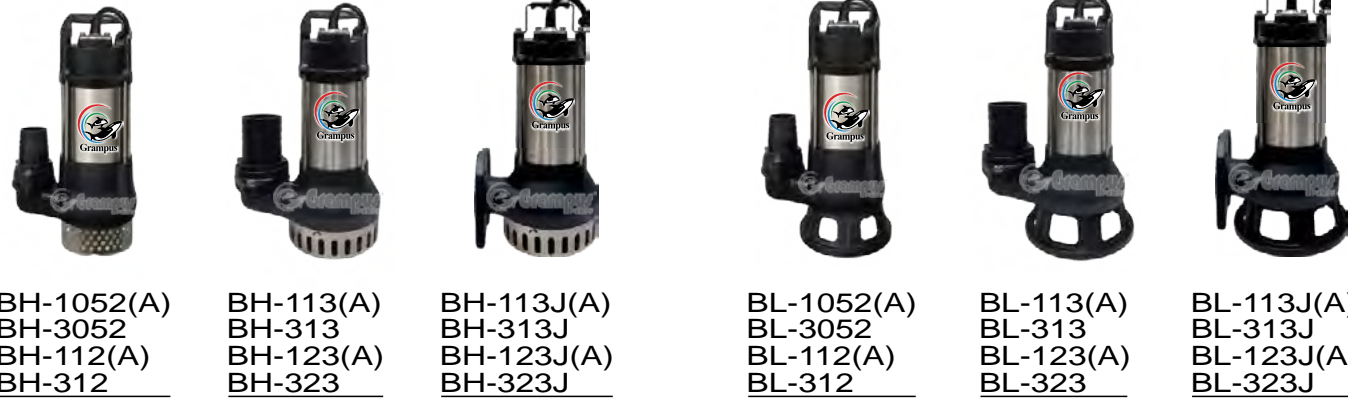
MATERIAL AND STANDARD TABLE

Liquid	Caliber	40mm • 50mm • 80mm	
	Temperature	0°C~40°C(32°F~104°F)	
	Application	Household sewage water, fresh water foul water, sewer sewage water, industrial wastewater, public water, weak-acid and weak-alkalinity sewage water, non-corrosive liquid	
	The lowest depth	≥10 M	
Pump	Structure	Impeller	Vortex Impeller
		Seal	Single Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Ball bearing
		Impeller	Engineering Strengthen Fiber Resin
		Volute Casing	SCS14
		Suction Casing Cover	Engineering Strengthen Fiber Resin
		Bottom Plate	Engineering Strengthen Fiber Resin
		Strainer	K: SUS-304
		Lubricant	ISO VG.#32
Seal	Silicon Carbide / Silicon Carbide		
Motor	Type	Oil type	
	Insulation class	E class(120°C)	
	Material	Casing	SUS-316
		Main Shaft	SUS-316
Hose Nipple		PE	
Cable	PVC / VCT		

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



Multi-Usability Sewage Pump (Oil Type Motor)



BH-1052(A)
BH-3052
BH-112(A)
BH-312

BH-113(A)
BH-313
BH-123(A)
BH-323

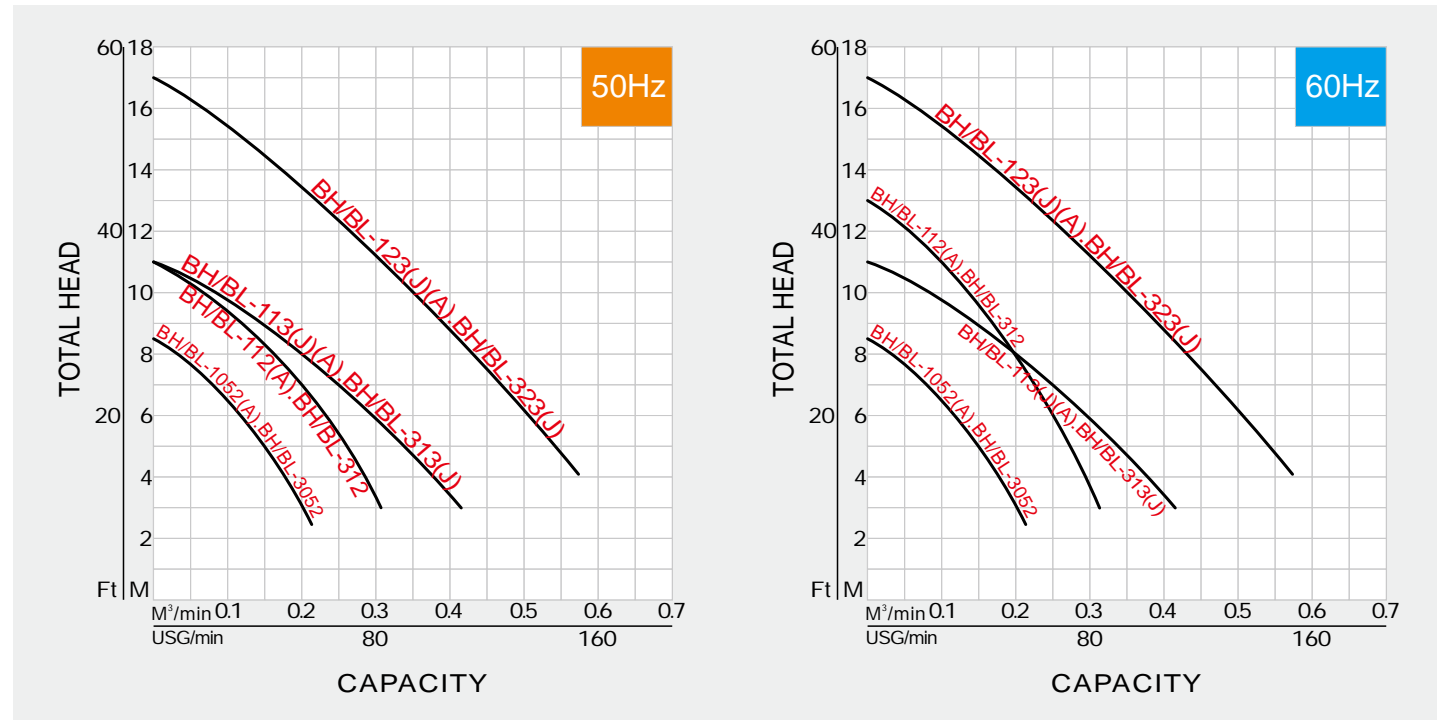
BH-113J(A)
BH-313J
BH-123J(A)
BH-323J

BL-1052(A)
BL-3052
BL-112(A)
BL-312

BL-113(A)
BL-313
BL-123(A)
BL-323

BL-113J(A)
BL-313J
BL-123J(A)
BL-323J

PERFORMANCE CURVE



SPECIFICATION

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

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M ³ /min	KG	mm							
BH/BL-1052(A)	50	60	1Ø	½	0.4	2"	50	2P / 2850 / 3450	5	5	0.15	0.15	8.5	8.5	0.25	0.25	13.5	35
BH/BL-3052	50	60	3Ø	½	0.4	2"	50	2P / 2850 / 3450	5	5	0.15	0.15	8.5	8.5	0.25	0.25	13	35
BH/BL-112(A)	50	60	1Ø	1	0.75	2"	50	2P / 2850 / 3450	7	8	0.20	0.20	11	13	0.35	0.35	15.5	35
BH/BL-312	50	60	3Ø	1	0.75	2"	50	2P / 2850 / 3450	7	8	0.20	0.20	11	13	0.35	0.35	15	35
BH/BL-113(J)(A)	50	60	1Ø	1	0.75	2"-3"	50-80	2P / 2850 / 3450	6	6	0.30	0.30	11	11	0.50	0.50	17.5	35
BH/BL-313(J)	50	60	3Ø	1	0.75	2"-3"	50-80	2P / 2850 / 3450	6	6	0.30	0.30	11	11	0.50	0.50	17	35
BH/BL-123(J)(A)	50	60	1Ø	2	1.5	3"	80	2P / 2850 / 3450	10	10	0.35	0.35	17	17	0.70	0.70	21.5	35
BH/BL-323(J)	50	60	3Ø	2	1.5	3"	80	2P / 2850 / 3450	10	10	0.35	0.35	17	17	0.70	0.70	20.5	35

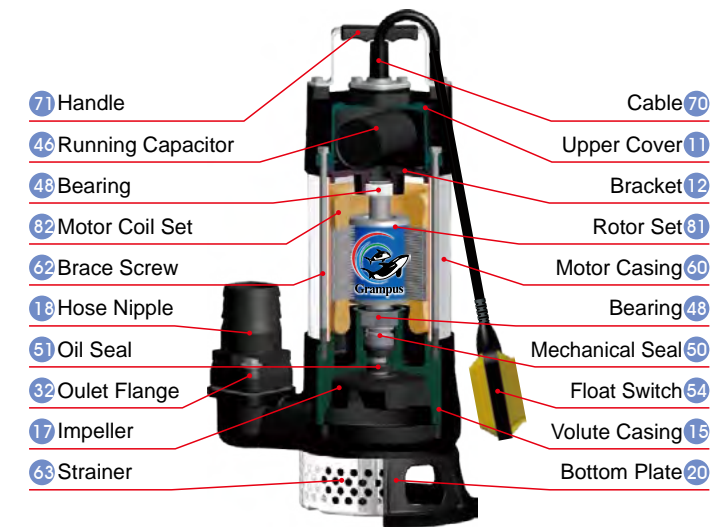
FEATURES

1. Cable base and core wire are manufactured with Epoxy resin treatment to effectively block moisture from penetrating the motor from the cable seam.
2. The volute casing is equipped with a vortex impeller.
3. High-intensity plastic impeller, strainer, and stand are rustproof and durable.
4. Equipped with a high-quality dual SIC mechanical seal.
5. The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
6. A Single-phase motor is equipped with a built-in thermal protector.

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.

STRUCTURAL DRAWING



71 Handle
46 Running Capacitor
48 Bearing
62 Motor Coil Set
62 Brace Screw
18 Hose Nipple
51 Oil Seal
32 Outlet Flange
17 Impeller
63 Strainer

Cable 70
Upper Cover 11
Bracket 12
Rotor Set 81
Motor Casing 60
Bearing 48
Mechanical Seal 50
Float Switch 54
Volute Casing 15
Bottom Plate 20

MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm • 80mm
	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
Structure	Impeller	Vortex Impeller
	Seal	Single Mechanical Seal
Pump Material	Upper Cover	FC-200
	Bearing	Heavy-duty bearing
	Impeller	Engineering Strengthen Fiber Resin
	Volute Casing	FC-200
	Bottom Plate	Engineering Strengthen Fiber Resin
	Strainer	SUS-304
	Lubricant	ISO VG.#32
Motor Material	Seal	Silicon Carbide / Silicon Carbide
	Type	Submersible oil type
	Insulation class	B class(130°C)
	Inner protector	Auto Reset Motor Protector
	Cable	Standard VCT

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



Non-Clog Sewage Pump

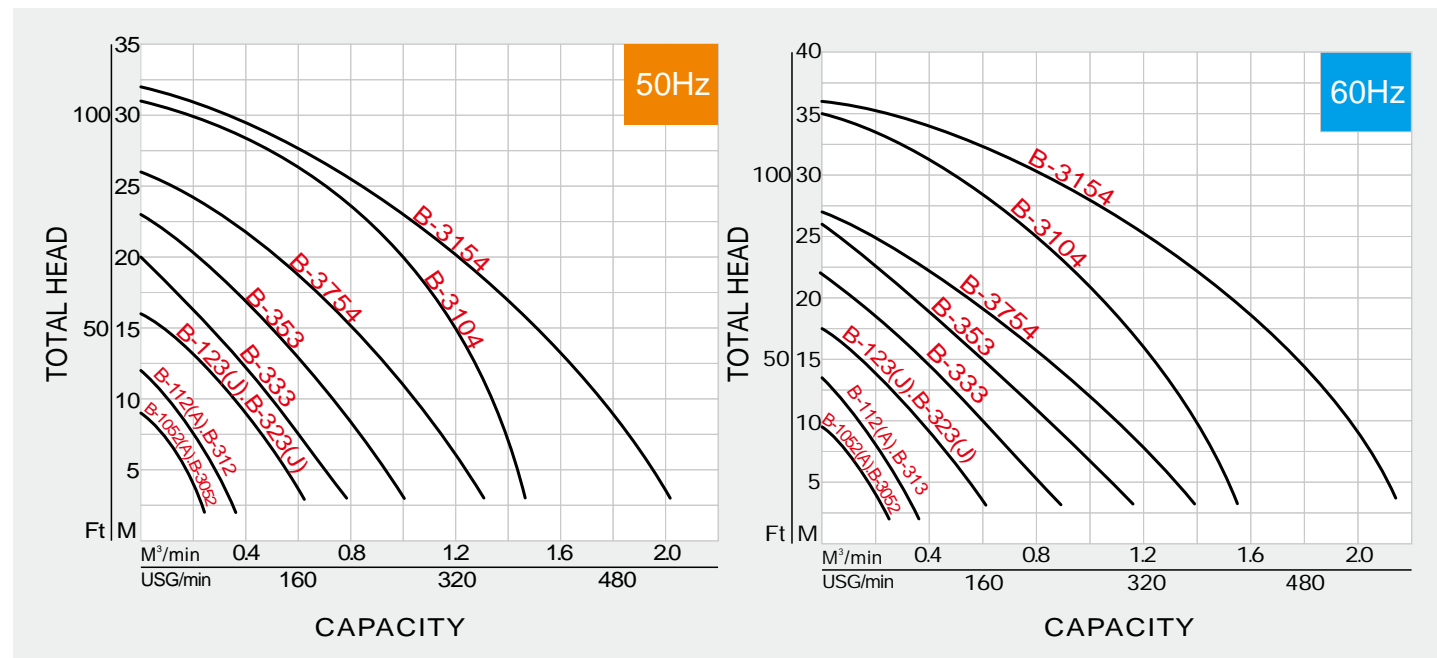


B-1052
B-3052
B-112
B-312
B-1052A
B-112A
B-123
B-323
B-333
B-123J
B-323J
B-333J
B-353
B-3754
B-3104
B-3154



Vortex Non-Clog Impeller

PERFORMANCE CURVE



SPECIFICATION

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

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	B Weight	TOS-B Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm					
B-1052(A)	50	60	10	1/2	0.4	2"	50	2P / 2850 / 3450	4	4	0.20	0.20	9	9.5	0.27	0.29	18	27	35
B-3052	50	60	30	1/2	0.4	2"	50	2P / 2850 / 3450	4	4	0.20	0.20	9	9.5	0.27	0.29	17	26	35
B-112(A)	50	60	10	1	0.75	2"	50	2P / 2850 / 3450	7.5	8	0.20	0.20	12	13.5	0.40	0.40	20	29	35
B-312	50	60	30	1	0.75	2"	50	2P / 2850 / 3450	7.5	8	0.20	0.20	12	13.5	0.40	0.40	20	29	35
B-123(J)	50	60	10	2	1.5	3"	80	2P / 2850 / 3450	6.5	6.5	0.50	0.50	16	17.5	0.70	0.70	35	55	40
B-323(J)	50	60	30	2	1.5	3"	80	2P / 2850 / 3450	6.5	6.5	0.50	0.50	16	17.5	0.70	0.70	34	54	40
B-333	50	60	30	3	2.2	3"	80	2P / 2850 / 3450	10	12	0.50	0.50	20	22	0.90	1.00	41	61	45
B-353	50	60	30	5	3.7	3"	80	2P / 2850 / 3450	15	17	0.50	0.50	23	26	1.10	1.30	45	65	40
B-3754	50	60	30	7 1/2	5.5	4"	100	2P / 2850 / 3450	11	12	1.00	1.00	26	27	1.40	1.50	55	75	50
B-3104	50	60	30	10	7.5	4"	100	2P / 2850 / 3450	20	21	1.00	1.00	31	35	1.50	1.60	60	80	50
B-3154	50	60	30	15	11	4"	100	2P / 2850 / 3450	23	28	1.00	1.00	32	36	2.10	2.20	75	95	50

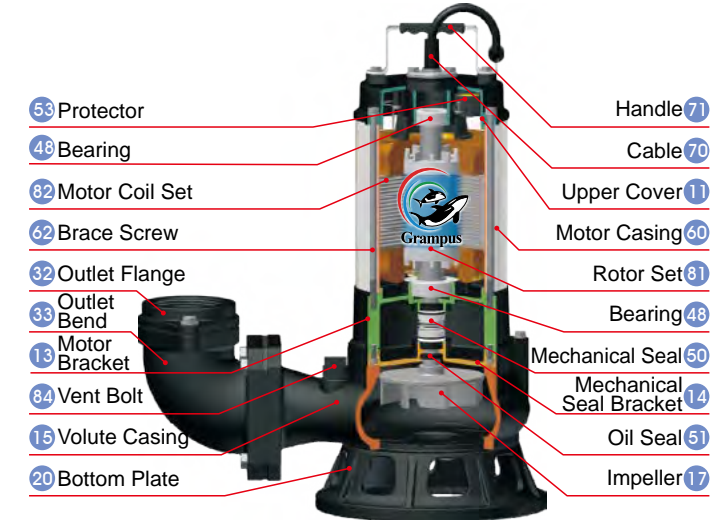
FEATURES

1. Cable base and core wire are manufactured with an epoxy resin treatment to prevent moisture from entering the motor.
2. The volute casing is equipped with a vortex impeller.
3. The volute casing is equipped with a vent bolt to avoid air locks.
4. Equipped with a high-quality dual SIC mechanical seal.
5. The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
6. Auto-cut prevents the motor from overheating.
7. This type can be equipped with a lift bracket.

APPLICATION

1. Wastewater lift station, municipal wastewater treatment plant.
2. Building a 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.

STRUCTURAL DRAWING



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.	
Pump	The lowest depth	∇30 M	
	Structure	Impeller	Vortex Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	FC-200 / SCS13: 7.5, 10, 15 HP
		Volute Casing	FC-200
		Bottom Plate	1/2~1HP: Engineering Strengthen Fiber Resin(STD) 2~15HP: FC-200
		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 1/2~15HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-410 / SUS-420
Cable	Standard VCT		

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



High Efficiency Sewage Pump



BF-323
BF-333



BF-353

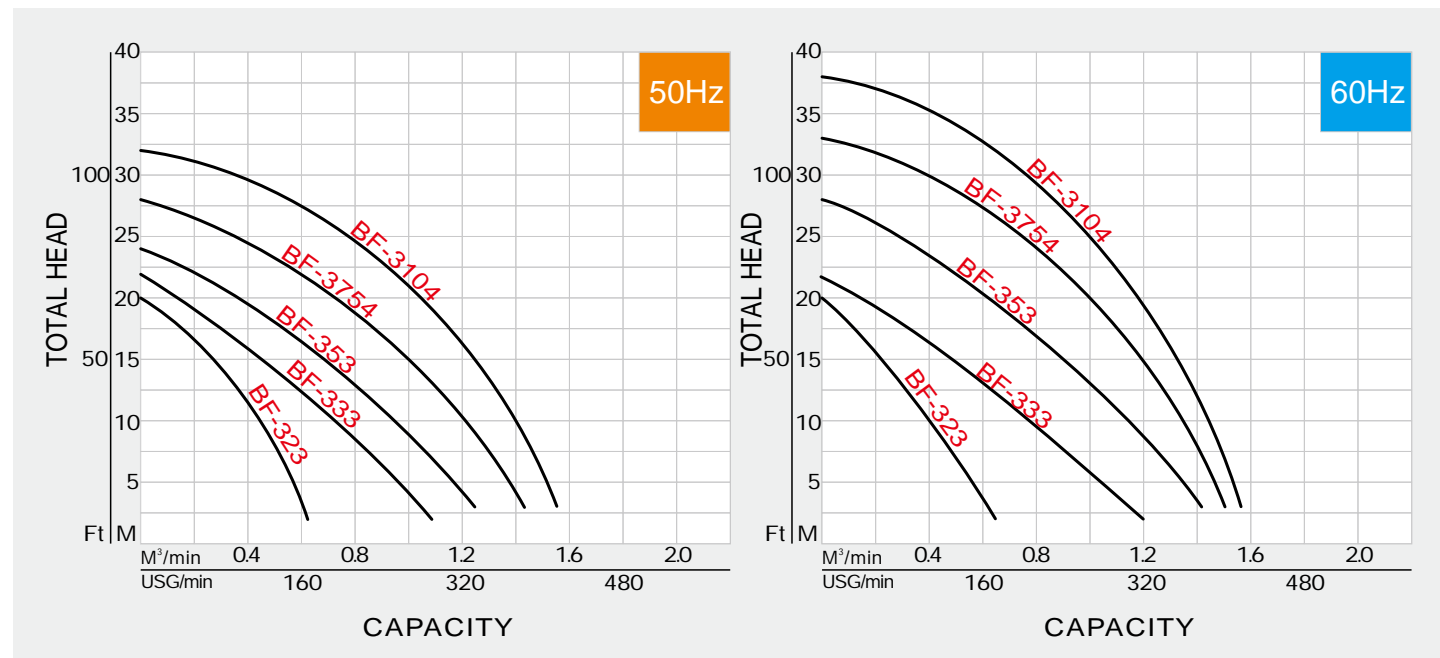


BF-3754
BF-3104



High Efficiency
Stainless Steel
Impeller

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	BF Weight	TOS-BF Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm					
BF-323	50	60	3Ø	2	1.5	3"	80	2P / 2850 / 3450	8	7	0.50	0.50	20	20	0.65	0.70	34	54	20
BF-333	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	13	13	0.50	0.50	22	22	1.15	1.30	41	61	35
BF-353	50	60	3Ø	5	3.7	3"	80	2P / 2850 / 3450	18	22	0.50	0.50	24	28	1.35	1.50	45	65	35
BF-3754	50	60	3Ø	7½	5.5	4"	100	2P / 2850 / 3450	15	20	1.00	1.00	28	33	1.50	1.55	55	75	35
BF-3104	50	60	3Ø	10	7.5	4"	100	2P / 2850 / 3450	21	25	1.00	1.00	32	38	1.60	1.60	60	80	35

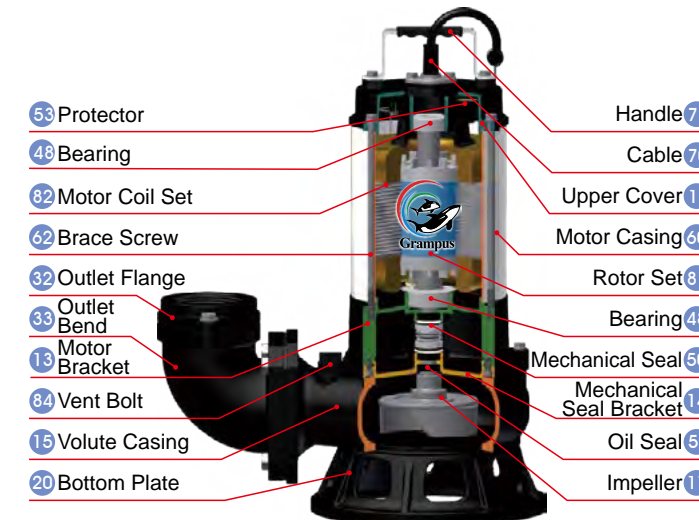
FEATURES

1. Designed with high-efficiency stainless steel, semi-open impeller and double-wings to prevent blockage.
2. Cable base and core wire are manufactured with Epoxy resin treatment to block the moisture from entering the motor.
3. The volute casing is equipped with a vent bolt to avoid air locks.
4. Equipped with a high-quality dual SIC mechanical seal.
5. The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
6. Auto-cut prevents the motor from overheating.
7. This type can be equipped with a lift bracket.

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.

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	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	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	SCS13
		Volute Casing	FC-200
		Bottom Plate	FC-200
		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(7½~10HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
		Main Shaft	SUS-410 / SUS-420
Cable	Standard VCT		

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

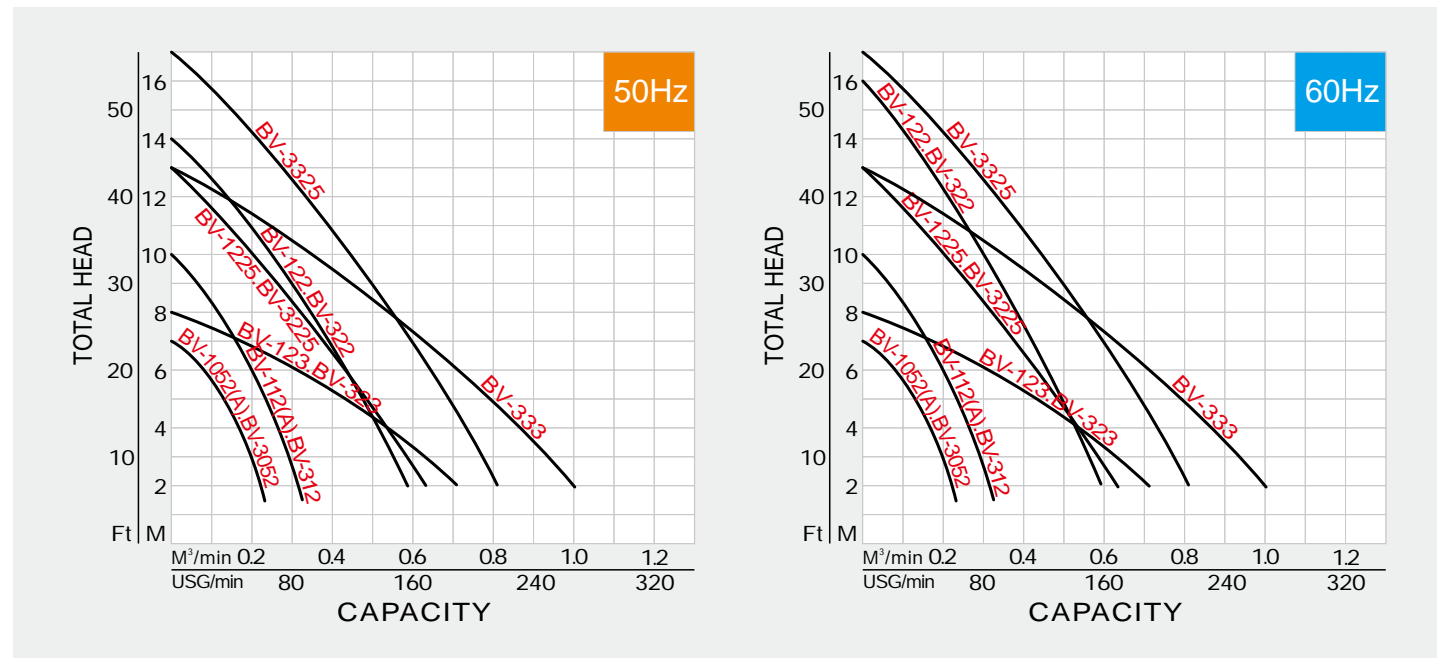


Full Free Passage Sewage Pump

(Maximum Solid Passage 50 / 65 / 80mm)



PERFORMANCE CURVE



SPECIFICATION

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

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	BV Weight	TOS-BV Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm					
BV-1052(A)	50	60	1Ø	½	0.4	2"	50	2P / 2850 / 3450	4.5	4.5	0.15	0.15	7	7	0.25	0.25	16.5	26.5	50
BV-3052	50	60	3Ø	½	0.4	2"	50	2P / 2850 / 3450	4.5	4.5	0.15	0.15	7	7	0.25	0.25	15	25	50
BV-112(A)	50	60	1Ø	1	0.75	2"	50	2P / 2850 / 3450	6	6	0.20	0.20	10	10	0.35	0.35	18.5	28.5	50
BV-312	50	60	3Ø	1	0.75	2"	50	2P / 2850 / 3450	6	6	0.20	0.20	10	10	0.35	0.35	17.5	27.5	50
BV-122	50	60	1Ø	2	1.5	2"	50	2P / 2850 / 3450	9	10	0.30	0.30	14	16	0.65	0.65	35	55	50
BV-322	50	60	3Ø	2	1.5	2"	50	2P / 2850 / 3450	9	10	0.30	0.30	14	16	0.65	0.65	31.5	51.5	50
BV-1225	50	60	1Ø	2	1.5	3"	80	2P / 2850 / 3450	8.4	8.4	0.30	0.30	13	13	0.72	0.72	36	56	65
BV-3225	50	60	3Ø	2	1.5	3"	80	2P / 2850 / 3450	8.4	8.4	0.30	0.30	13	13	0.72	0.72	32	52	65
BV-123	50	60	1Ø	2	1.5	3"	80	2P / 2850 / 3450	5.3	5.3	0.40	0.40	8	8	0.84	0.84	38	58	80
BV-323	50	60	3Ø	2	1.5	3"	80	2P / 2850 / 3450	5.3	5.3	0.40	0.40	8	8	0.84	0.84	34	54	80
BV-3325	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	12.6	12.6	0.30	0.30	17	17	0.87	0.87	36	56	65
BV-333	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	9.5	9.5	0.40	0.40	13	13	1.10	1.10	38	58	80

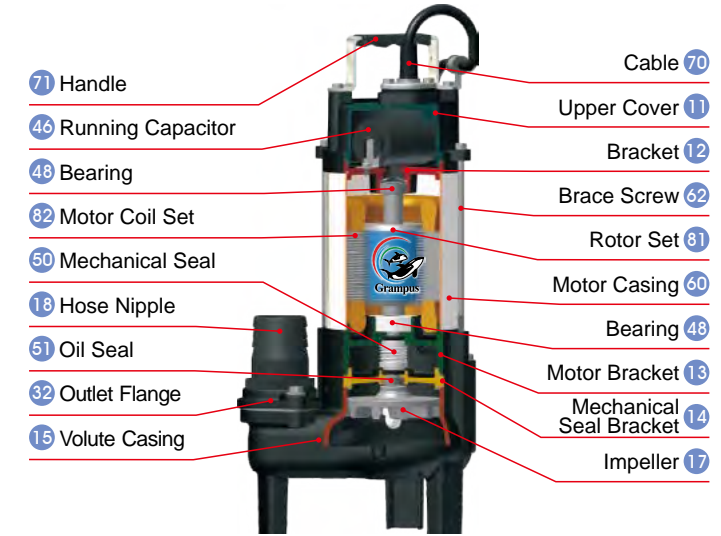
FEATURES

1. For this BV series pump solids may pass since, the grain diameter can be up to 50 & 65 & 80 mm.
2. Cable base and core wire are manufactured with an epoxy resin treatment to prevent moisture from entering the motor.
3. The volute casing is equipped with the vortex impeller.
4. To avoid air locks, the volute casing is equipped with a vent bolt.
5. Equipped with a high-quality dual SIC mechanical seal.
6. The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
7. Auto-cut prevents the motor from overheating.
8. This type can be equipped with a lift bracket.

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.

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm • 65mm • 80mm	
	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.	
Pump	The lowest depth	▽30 M	
	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
	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-410 / SUS-420	
Cable		Standard VCT	

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



Submersible High Head Pump



A-10512
A-30512
A-1115
A-3115



A-10512A
A-1115A

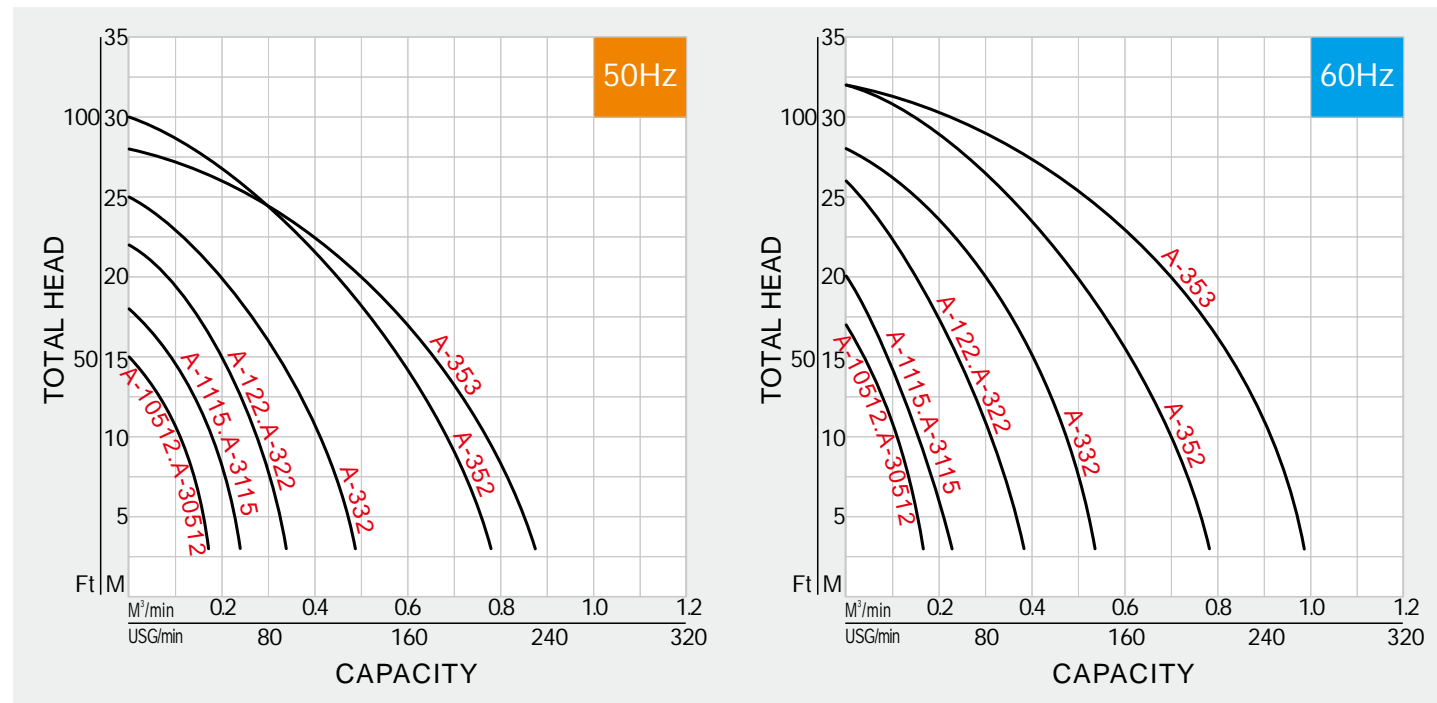


A-122
A-322
A-332



A-352
A-353

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power		Discharge		Pole/Rotation	Std.Head		Std.Flow		Max.Head		Max.Flow		Weight	Remark	
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M	M³/min	M³/min	M	M	M³/min	M³/min	KG	REM	
A-10512(A)	50	60	10	1/2	0.4	1 1/4"	32	2P / 2850 / 3450	10	10	0.11	0.11	15	17	0.18	0.18	15	
A-30512	50	60	30	1/2	0.4	1 1/4"	32	2P / 2850 / 3450	10	10	0.11	0.11	15	17	0.18	0.18	14	
A-1115(A)	50	60	10	1	0.75	1 1/2"	40	2P / 2850 / 3450	12	12	0.15	0.13	18	20	0.25	0.25	18	
A-3115	50	60	30	1	0.75	1 1/2"	40	2P / 2850 / 3450	12	12	0.15	0.13	18	20	0.25	0.25	17	
A-122	50	60	10	2	1.5	2"	50	2P / 2850 / 3450	15	12	0.20	0.25	22	25	0.35	0.35	28	
A-322	50	60	30	2	1.5	2"	50	2P / 2850 / 3450	15	12	0.20	0.25	22	25	0.35	0.35	25	
A-332	50	60	30	3	2.2	2"	50	2P / 2850 / 3450	20	20	0.20	0.25	25	30	0.50	0.55	28	
A-352	50	60	30	5	3.7	2"	50	2P / 2850 / 3450	20	20	0.45	0.50	30	32	0.80	0.80	37	
A-353	50	60	30	5	3.7	3"	80	2P / 2850 / 3450	20	20	0.50	0.70	28	32	0.90	1.00	37	

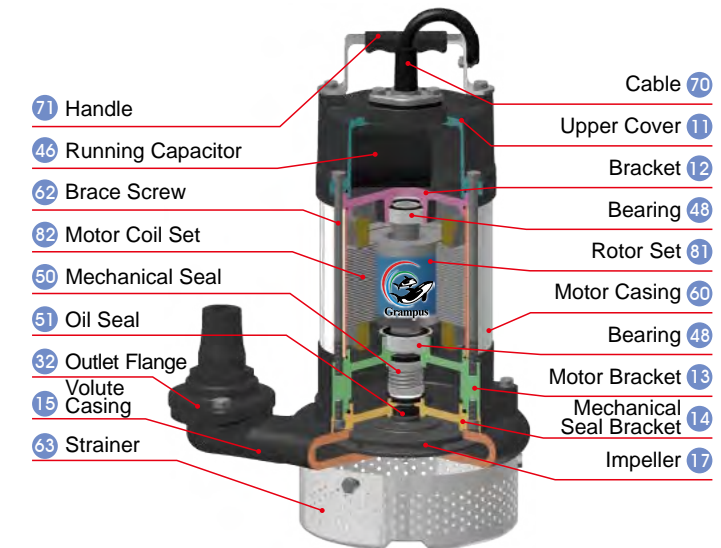
FEATURES

1. Cable base and core wire are manufactured with a special waterproof treatment to block moisture from entering the motor.
2. The impeller has been calibrated for long service life.
3. Main shaft, motor housing, screws, and strainer are made of stainless steel for corrosion resistance.
4. Excellent performance, stability, reduce electricity cost, larger flow, and easy installation and maintenance.
5. Equipped with a high-quality dual SIC mechanical seal.
6. The motor has B class (130°C) insulation, in accordance with the standards of IEC IP68.
7. A built-in thermal overload protector in the A series pumps prevents overheating.

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 water delivery.

STRUCTURAL DRAWING



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
		Volute Casing	FC-200
		Strainer	SUS-304
Motor	Seal	Lubricant	ISO VG.#32
		Motor Side	Carbon / Ceramic
	Pump Side	Silicon Carbide / Silicon Carbide	
	Material	Type	Submersible dry type
Insulation class		B class(130°C)	
Inner protector		Auto Reset Motor Protector	
Casing		Casing	SUS-304
	Main Shaft	SUS-410 / SUS-420	
	Cable	Standard VCT	

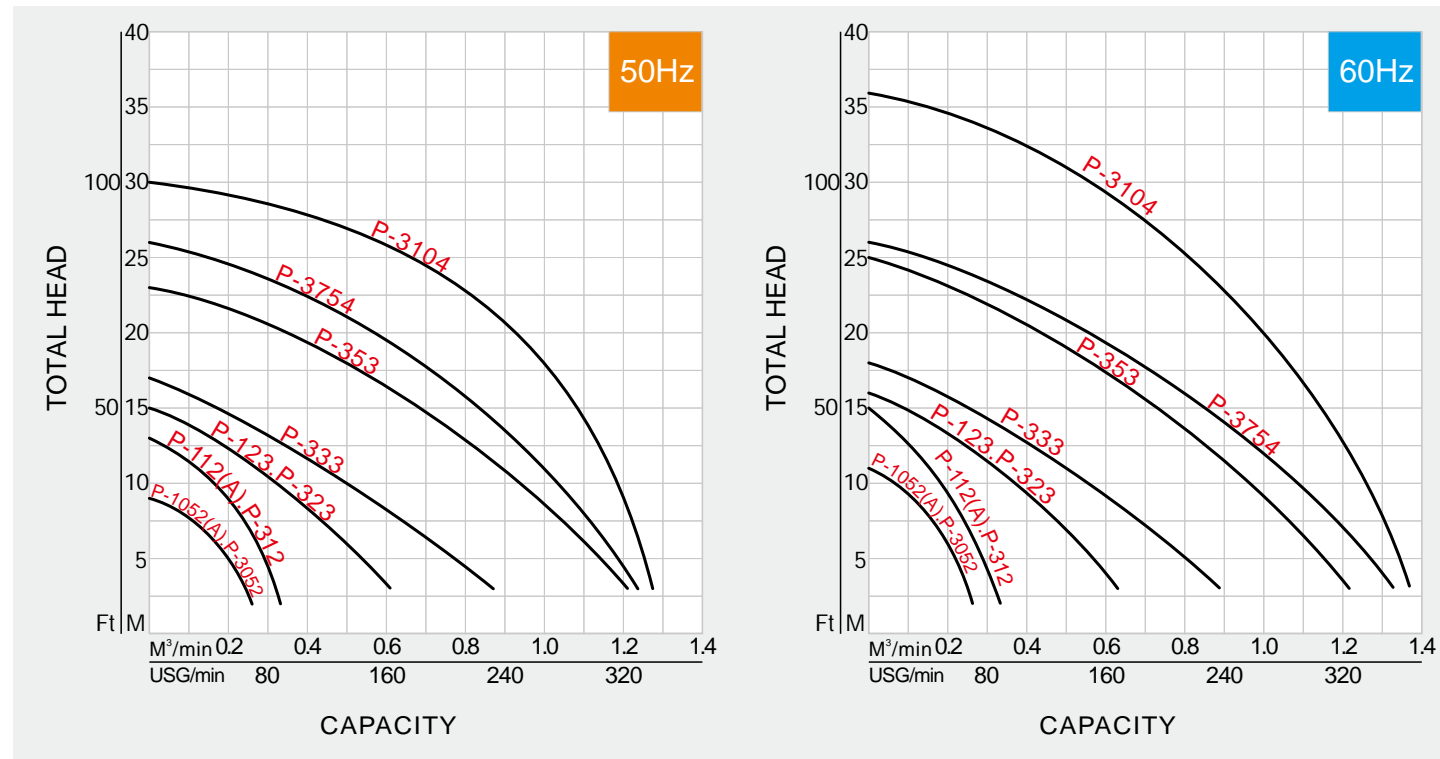
*Spare parts and material of pump could be made by request.



Non-Clog Stainless Steel Sewage Pump



PERFORMANCE CURVE



SPECIFICATION

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

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	P Weight	TUP Weight	Solid Passage
TYPE	Hz	PH	HP KW	Inch mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm
P-1052(A)	50 60	1Ø	½ 0.4	2" 50	2P / 2850 / 3450	5 6	0.20 0.20	9 11	0.28 0.28	15	26	35
P-3052	50 60	3Ø	½ 0.4	2" 50	2P / 2850 / 3450	5 6	0.20 0.20	9 11	0.28 0.28	15	26	35
P-112(A)	50 60	1Ø	1 0.75	2" 50	2P / 2850 / 3450	9 9	0.20 0.20	13 15	0.35 0.35	18	29	35
P-312	50 60	3Ø	1 0.75	2" 50	2P / 2850 / 3450	9 9	0.20 0.20	13 15	0.35 0.35	18	29	35
P-123(J)	50 60	1Ø	2 1.5	3" 80	2P / 2850 / 3450	6 7	0.50 0.50	15 16	0.70 0.70	36	54	40
P-323(J)	50 60	3Ø	2 1.5	3" 80	2P / 2850 / 3450	6 7	0.50 0.50	15 16	0.70 0.70	35	53	40
P-333(J)	50 60	3Ø	3 2.2	3" 80	2P / 2850 / 3450	10 11	0.50 0.50	17 18	1.00 1.00	42	60	45
P-353	50 60	3Ø	5 3.7	3" 80	2P / 2850 / 3450	18 19	0.50 0.50	23 25	1.30 1.30	45	63	40
P-3754	50 60	3Ø	7½ 5.5	4" 100	2P / 2850 / 3450	11 12	1.00 1.00	26 26	1.30 1.40	55	73	50
P-3104	50 60	3Ø	10 7.5	4" 100	2P / 2850 / 3450	18 20	1.00 1.00	30 36	1.30 1.40	60	78	50

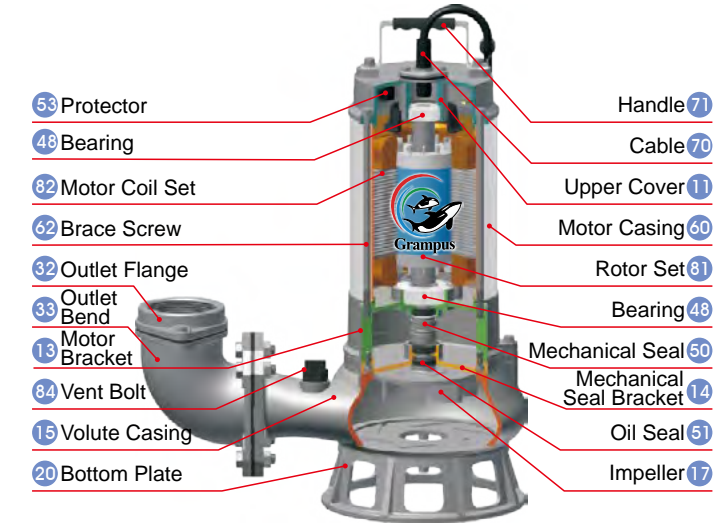
FEATURES

- The pump cover is made with SCS14 dewaxing precision casting manufactured to resist weak acid and alkaline wastewater.
- Cable base and core wire are manufactured with an epoxy resin treatment to prevent moisture from entering the motor.
- The volute casing is equipped with a vortex impeller for pumping mud and sewage effectively without clogging.
- The mechanical seal parts are combined with high-quality double silicon carbide to enhance stainless steel pumps to work in weak acid and alkaline environments.
- The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
- Auto-cut prevents the motor from overheating.
- This type can be equipped with a lift bracket.

APPLICATION

- Wastewater lift station, municipal wastewater treatment plant.
- Building a wastewater treatment system.
- Piggery excrement, animal & poultry farm.
- School, hospital, community wastewater treatment system.
- Food, paper, mining, textile, leather industry wastewater treatment system.

STRUCTURAL DRAWING



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	SCS14	
		Bearing	Heavy-duty bearing	
		Impeller	SCS14	
		Volute Casing	SCS14	
		Motor Bracket	SCS14	
		Mechanical Seal Bracket	SCS14	
		Strainer	½~1HP : SUS-304	
		Bottom Plate	2~10HP : SCS14	
Seal	Lubricant	ISO VG.#32		
	Motor Side	Carbon / Ceramic		
	Pump Side	Silicon Carbide / Silicon Carbide		
Automatic lifting frame device	SCS13			
Motor	Type	Submersible dry type		
	Insulation class	B class(130°C) / F class(7½~10HP)		
	Inner protector	Auto Reset Motor Protector		
	Material	Casing	SUS-316	
		Main Shaft	SUS-316	
Cable		Standard VCT		

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



Apparatus Use Sewage Pump (4P)

AS-112
AS-312



AS-323



AS-333
AS-353



AS-3754
AS-3104



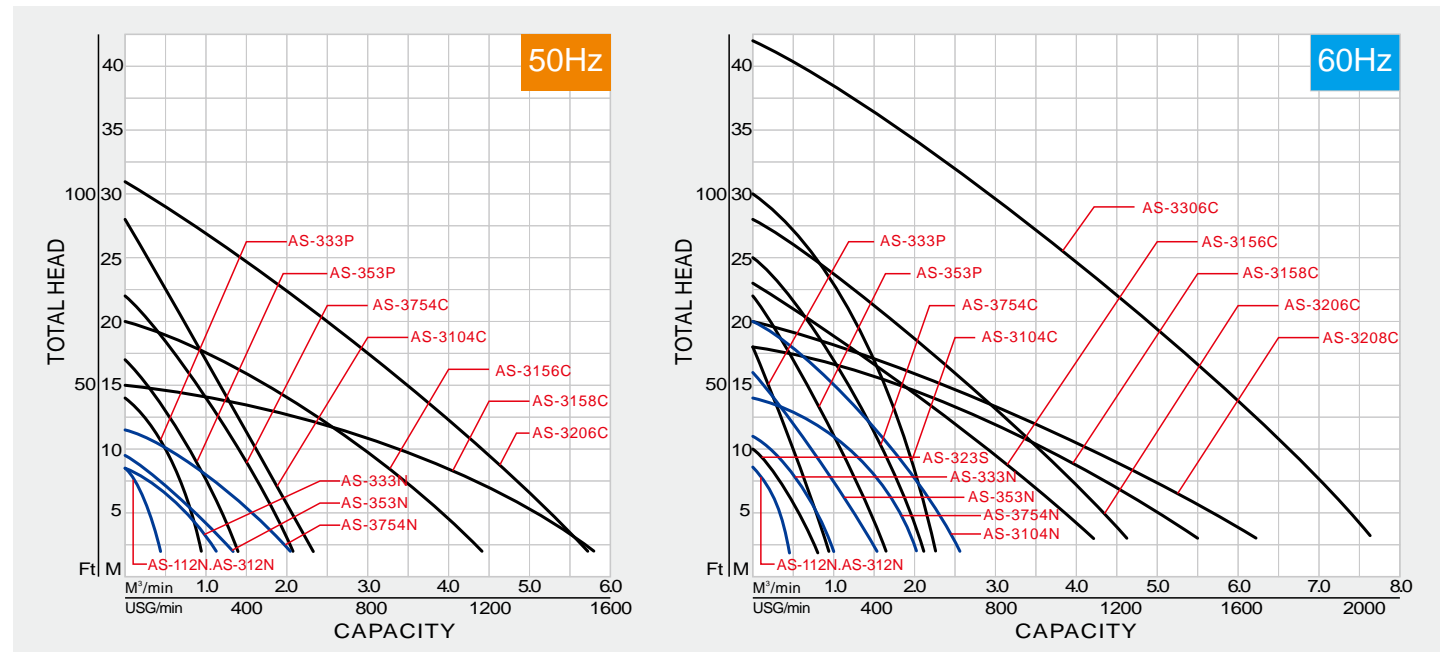
AS-3156
AS-3158
AS-3206
AS-3208



IE3 Motor
AS-3306



PERFORMANCE CURVE



SPECIFICATION

Model	Type	Frequency	Phase	Start Method	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	AS Weight	TOS-AS Weight	Solid Passage							
Impeller	TYPE	Hz	PH		HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm					
Semi-open Impeller	AS-323S	50	60	3Ø	Direct	2	1.5	3"	80	4P / --- / 1725	6	0.5	10	0.90	43	63	40				
	AS-333P	50	60	3Ø	Direct	3	2.2	3"	80	4P / 1425 / 1725	10	0.5	0.5	14	18	1.00	1.21	72	92	50	
	AS-353P	50	60	3Ø	Direct	5	3.7	3"	80	4P / 1425 / 1725	13	17	0.5	0.5	17	22	1.50	1.75	76	96	70
	AS-3754C	50	60	3Ø	Direct	7½	5.5	4"	100	4P / 1425 / 1725	14	17	1.0	1.0	22	25	2.20	2.23	145	165	48
Channel Impeller	AS-3104C	50	60	3Ø	Direct	10	7.5	4"	100	4P / 1425 / 1725	17	23	1.0	1.0	28	30	2.50	2.32	150	170	48
	AS-3156C	50	60	3Ø	Y-Δ	15	11	6"	150	4P / 1425 / 1725	12	12	2.5	2.5	20	23	4.70	4.70	265	340	70
	AS-3158C	50	60	3Ø	Y-Δ	15	11	8"	200	4P / 1425 / 1725	7	7	4.5	4.5	15	18	6.17	6.17	270	360	80
	AS-3206C	50	60	3Ø	Y-Δ	20	15	6"	150	4P / 1425 / 1725	20	16	2.5	2.5	31	28	6.00	5.00	280	355	70
	AS-3208C	50	60	3Ø	Y-Δ	20	15	8"	200	4P / --- / 1725	9	9	4.5	4.5	20	20	6.95	6.95	285	375	80
AS-3306C	50	60	3Ø	Y-Δ	30	22	6"	150	4P / --- / 1725	32	32	2.5	2.5	42	42	8.00	8.00	390	465	70	
Non-clog Impeller	AS-112N	50	60	1Ø	Direct	1	0.75	2"	50	4P / 1425 / 1725	5	5	0.3	0.3	8.5	8.5	0.50	0.50	34	44	50
	AS-312N	50	60	2Ø	Direct	1	0.75	2"	50	4P / 1425 / 1725	5	5	0.3	0.3	8.5	8.5	0.50	0.50	32	42	50
	AS-333N	50	60	3Ø	Direct	3	2.2	3"	80	4P / 1425 / 1725	6	8	0.6	0.5	8.5	11	1.30	1.18	71	91	57
	AS-353N	50	60	3Ø	Direct	5	3.7	3"	80	4P / 1425 / 1725	6	12	0.7	0.5	9.5	16	1.60	1.70	75	95	42
	AS-3754N	50	60	3Ø	Direct	7½	5.5	4"	100	4P / 1425 / 1725	8	11	1.0	1.0	11.5	14	2.30	2.12	143	163	65
AS-3104N	50	60	3Ø	Direct	10	7.5	4"	100	4P / --- / 1725	15	15	1.0	1.0	20	20	2.68	2.68	148	168	60	

FEATURES

1. The AS series meets the National Standards CNS, NO. 8080 and 9813 issued by the Ministry of Economic Affairs in Taiwan.
2. Equipped with Epoxy resin covered cables that block moisture from entering the motor.
3. The dry motor is designed as a 3 phase, 4 pole induction motor with class F (155°C) insulation in accordance with the standards of IEC IP68.
4. The dual mechanical seal is made from silicon carbide for better lubrication and longer service life.
5. Ball-bearing with high torque durability, low noise and low vibration.
6. Our thick Epoxy coating is better than other common coatings for its corrosion and rust resistance.
7. From 2~10HP of AS series submersible pumps are equipped with AUTO-CUT Protectors; from 15~30HP of AS series submersible pumps are equipped with a Miniature Thermal Protector that automatically shuts down the pump when overheating, instability of voltage or other unusual conditions like plugged impellers and low water level.
8. We offer 3 kinds of impellers semi-open, closed, and vortex. These options are shown in the picture for various wastewater treatments.

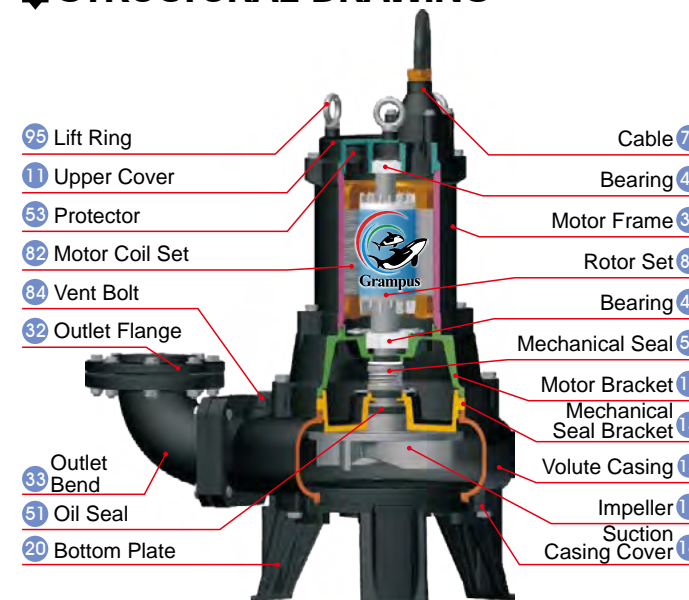
APPLICATION

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

MATERIAL AND STANDARD TABLE

Liquid	Caliber	50 • 80 • 100 • 150 • 200(mm)
	Coating	Epoxy
	Temperature	0°C~40°C(32°F~104°F)
	Application	Drainage of wastewater of building, farming, animal husbandry, Industry and sewer.
Structure	The lowest depth	▽30 M
	Impeller	Semi-open / Channel / Vortex Impeller
	Seal	Dual Mechanical Seal
	Upper Cover	FC-200
Pump	Bearing	Heavy-duty bearing
	Impeller	FCD-450
	Volute Casing	FC-200
	Suction Casing Cover	FC-200
	Bottom Plate	FC-200
	Lubricant	ISO VG.#32
Seal	Motor Side	Carbon / Ceramic
	Pump Side	Silicon Carbide / Silicon Carbide
	Inner Protector	Below 15HP models are optional
	Type	Submersible dry type
Motor	Insulation class	F class(155°C)
	Inner protector	1~10HP:Auto Reset Motor Protector 15~30HP:Miniature Thermal Protector
	Casing	FC-200
	Main Shaft	SUS-410 / SUS-420
Cable	Standard VCT	

STRUCTURAL DRAWING



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



Non-Clog Apparatus Use Sewage Pump (2P)

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



BS-1052A
BS-112A



BS-123
BS-323



BS-333
BS-353

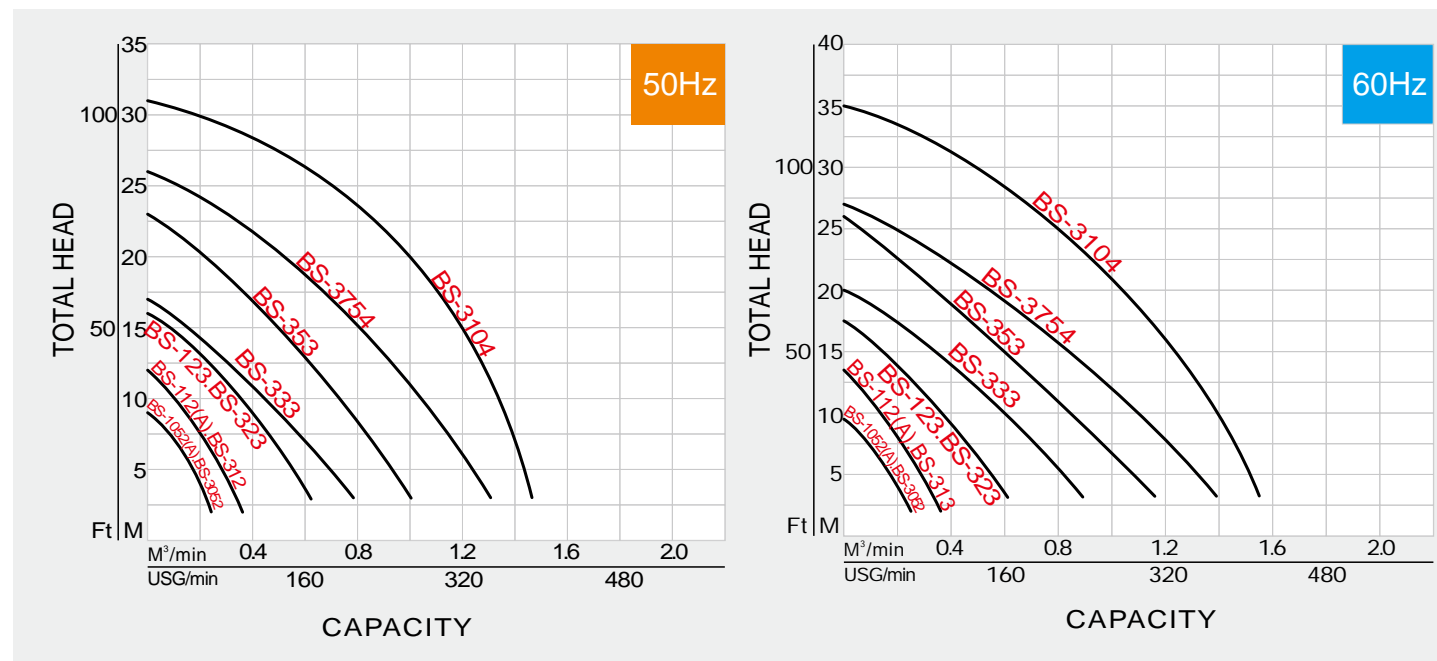


BS-3754
BS-3104



Vortex Non-Clog Impeller

PERFORMANCE CURVE

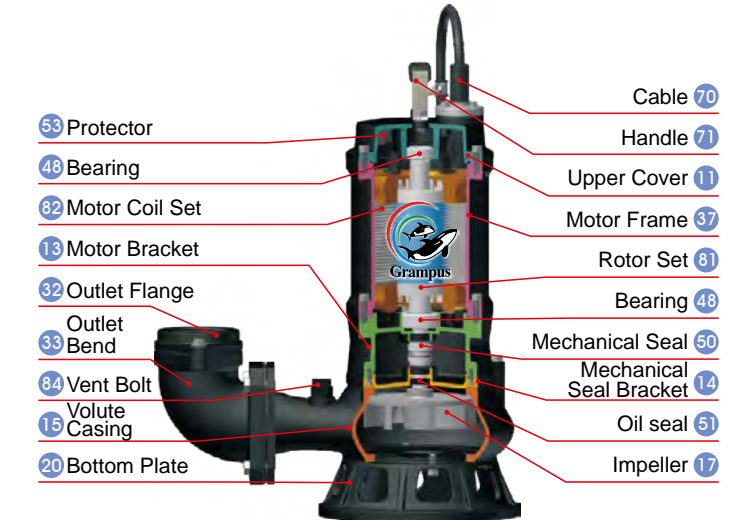


SPECIFICATION

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

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	BS Weight	TOS-BS Weight	Solid Passage
TYPE	Hz	PH	HP KW	Inch mm	P/rpm	M	M ³ /min	M	M ³ /min	KG	KG	mm
BS-1052(A)	50	60	10 0.4	2" 50	2P / 2850 / 3450	4 4 M	0.20 0.20	9 9.5	0.27 0.29	18	27	35
BS-3052	50	60	30 0.4	2" 50	2P / 2850 / 3450	4 4 M	0.20 0.20	9 9.5	0.27 0.29	18	27	35
BS-112(A)	50	60	10 0.75	2" 50	2P / 2850 / 3450	7.5 8	0.20 0.20	12 13.5	0.40 0.40	21	30	35
BS-312	50	60	30 0.75	2" 50	2P / 2850 / 3450	7.5 8	0.20 0.20	12 13.5	0.40 0.40	21	30	35
BS-123	50	60	10 1.5	3" 80	2P / 2850 / 3450	6.5 6.5	0.50 0.50	16 17.5	0.70 0.70	40	60	40
BS-323	50	60	30 1.5	3" 80	2P / 2850 / 3450	6.5 6.5	0.50 0.50	16 17.5	0.70 0.70	38	58	40
BS-333	50	60	30 2.2	3" 80	2P / 2850 / 3450	9 12	0.50 0.50	17 20	0.90 1.00	43	63	45
BS-353	50	60	30 3.7	3" 80	2P / 2850 / 3450	15 17	0.50 0.50	23 26	1.10 1.30	47	67	40
BS-3754	50	60	30 7.5	4" 100	2P / 2850 / 3450	11 12	1.00 1.00	26 27	1.40 1.50	58	78	50
BS-3104	50	60	30 7.5	4" 100	2P / 2850 / 3450	20 21	1.00 1.00	31 35	1.50 1.60	63	83	50

STRUCTURAL DRAWING



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	1/2~1HP: Engineering Strengthen Fiber Resin(STD) 2~10HP: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(71/2~10HP)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	FC-200
		Main Shaft	SUS-410 / SUS-420
Cable	Standard VCT		

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

FEATURES

1. Cable base and core wire are manufactured with an epoxy resin treatment to prevent moisture from entering the motor.
2. The volute casing is equipped with a vortex impeller.
3. The volute casing is equipped with a vent bolt to avoid air locks.
4. Equipped with a high-quality dual SIC mechanical seal.
5. The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
6. Auto-cut prevents the motor from overheating.
7. We insist on using thick Epoxy resin coating instead of common coating for better corrosion and rust resistance.
8. This type can be equipped with a lift bracket.

APPLICATION

1. Wastewater lift station, municipal wastewater treatment plant.
2. Building a 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.



High Efficiency Apparatus Use Sewage Pump (2P)



High Efficiency Stainless Steel Impeller

BSF-123
BSF-323



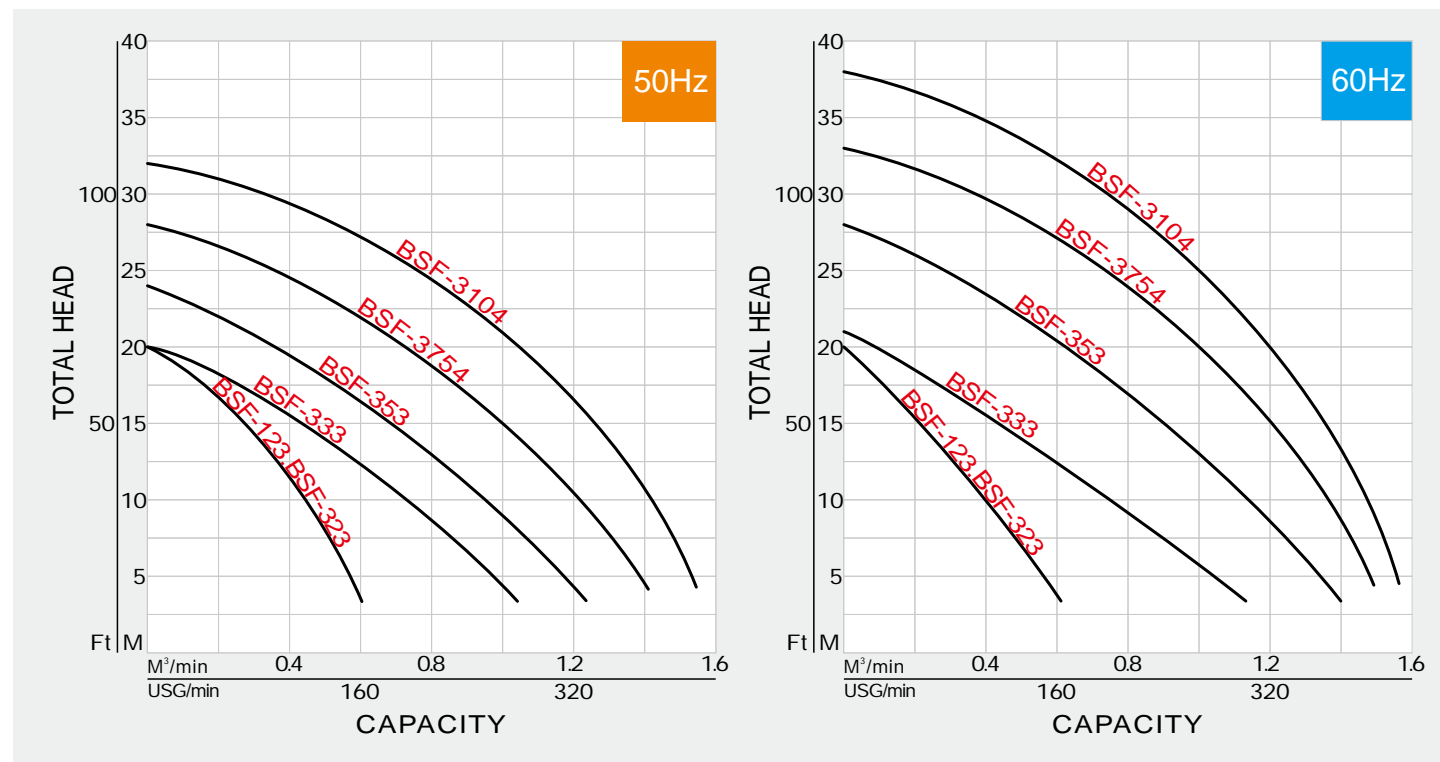
BSF-333
BSF-353



BSF-3754
BSF-3104



PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	BSF Weight	TOS-BSF Weight	Solid Passage							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M ³ /min	KG	KG	mm							
BSF-123	50	60	10	2	1.5	3"	80	2P / 2850 / 3450	8	7	0.50	0.50	20	20	0.65	0.70	40	60	20
BSF-323	50	60	30	2	1.5	3"	80	2P / 2850 / 3450	8	7	0.50	0.50	20	20	0.65	0.70	38	58	20
BSF-333	50	60	30	3	2.2	3"	80	2P / 2850 / 3450	14	14	0.50	0.50	20	21	1.15	1.30	43	63	35
BSF-353	50	60	30	5	3.7	3"	80	2P / 2850 / 3450	18	22	0.50	0.50	24	28	1.35	1.50	47	67	35
BSF-3754	50	60	30	7½	5.5	4"	100	2P / 2850 / 3450	15	20	1.00	1.00	28	33	1.50	1.55	58	78	35
BSF-3104	50	60	30	10	7.5	4"	100	2P / 2850 / 3450	21	25	1.00	1.00	32	38	1.60	1.60	63	83	35

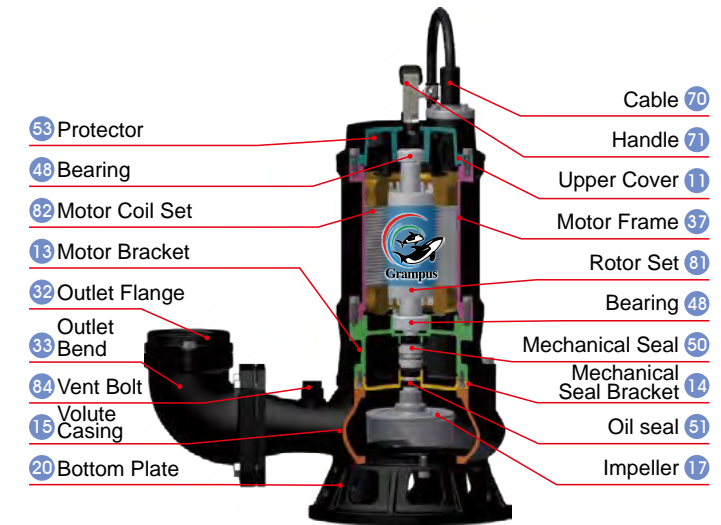
FEATURES

- 1.High-efficiency stainless steel impeller with semi-open and double-wing design to prevent blockage. This product will have a better flow and head because of the special runner design.
- 2.Cable base and core wire are manufactured with an epoxy resin treatment to prevent moisture from entering the motor.
- 3.The volute casing is equipped with a vent bolt to avoid air locks.
- 4.Equipped with a high-quality dual SIC mechanical seal.
- 5.The motor has B class(130°C) insulation in accordance with the standards of IEC IP68.
- 6.Auto-cut prevents the motor from overheating.
- 7.We insist on using thick Epoxy resin coating instead of common coating for better corrosion and rust resistance.
- 8.This type can be equipped with a lift bracket.

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.

STRUCTURAL DRAWING



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	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	SCS13
		Volute Casing	FC-200
		Motor Bracket	FC-200
		Mechanical Seal Bracket	FC-200
		Bottom Plate	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(7½~10HP)	
	Inner protector	Auto Reset Motor Protector	
	Casing	FC-200	
	Main Shaft	SUS-410 / SUS-420	
Cable	Standard VCT		

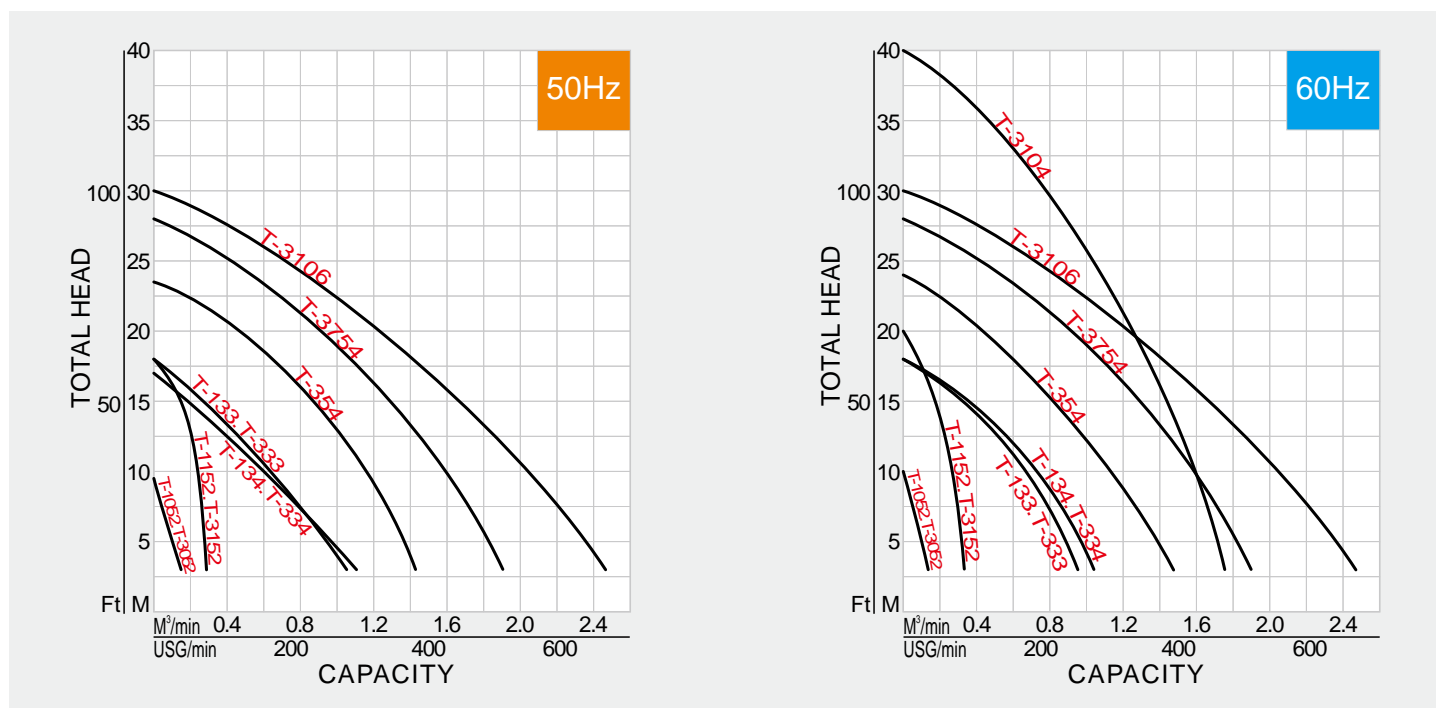
*Spare parts and material of pump could be made by request.



Water-Cooling Sump Pump



PERFORMANCE CURVE



SPECIFICATION

Model	Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight							
Impeller Model	TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG					
Semi-open Impeller	T-1052	50	60	1Ø	½	0.4	2"	50	2P / 2850 / 3450	5	6	0.10	0.10	9.5	10	0.22	0.18	15
	T-3052	50	60	3Ø	½	0.4	2"	50	2P / 2850 / 3450	5	6	0.10	0.10	9.5	10	0.22	0.18	15
Channel Impeller	T-1152	50	60	1Ø	1½	1.1	2"	50	2P / 2850 / 3450	13	14	0.20	0.20	18	20	0.30	0.35	26
	T-3152	50	60	3Ø	1½	1.1	2"	50	2P / 2850 / 3450	13	14	0.20	0.20	18	20	0.30	0.35	26
Channel Impeller	T-133	50	60	1Ø	3	2.2	3"	80	2P / 2850 / 3450	12	10	0.50	0.67	18	18	1.20	1.03	39
	T-333	50	60	3Ø	3	2.2	3"	80	2P / 2850 / 3450	12	10	0.50	0.67	18	18	1.20	1.03	39
	T-134	50	60	1Ø	3	2.2	4"	100	2P / 2850 / 3450	10	10	0.60	0.73	17	18	1.30	1.12	39
	T-334	50	60	3Ø	3	2.2	4"	100	2P / 2850 / 3450	10	10	0.60	0.73	17	18	1.30	1.12	39
	T-354	50	60	3Ø	5	3.7	4"	100	2P / 2850 / 3450	13	13	1.00	0.95	23.5	24	1.50	1.58	42.5
	T-3754	50	60	3Ø	7½	5.5	4"	100	2P / 2850 / 3450	19	19	1.00	1.00	28	28	2.00	2.00	64
	T-3104	60	3Ø	10	7.5	4"	100	2P / --- / 3450	26	26	1.00	1.00	40	40	1.80	1.80	72	
T-3106	50	60	3Ø	10	7.5	6"	150	2P / 2850 / 3450	17	17	1.50	1.50	30	30	2.60	3.00	72	

FEATURES

1. Special water-cooling design prevents the motor from overheating.
2. Channel impellers are designed for high efficiency, power-saving, and prevent motors from overloading.
3. Models over 1.1 KW input could add the flange accessory for both sucking and pumping functions.
4. After connecting with the valve, this pump series can be used for pumping well water.

ATTENTION

After dismantling the pump's strainer for pumping well water, the pump must be refilled with water before running it for the first time and then it can start pumping. Additionally, there is an option to purchase an appropriately sized "Check-Valve" accessory at local hardware stores that can be added to the pump for future usage so there is no need to refill the water again.

MATERIAL AND STANDARD TABLE

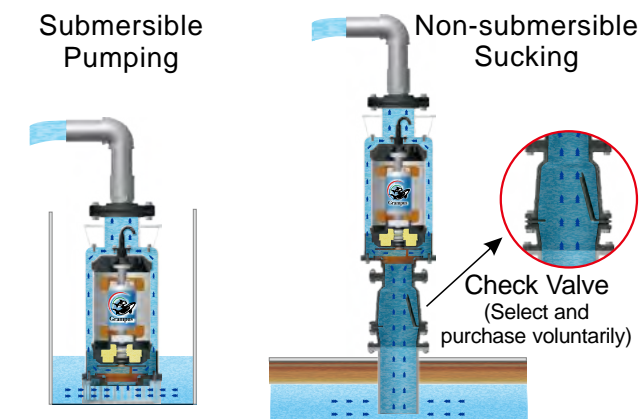
Liquid	Caliber	50mm • 80mm • 100mm • 150mm
	Temperature	0°C~40°C(32°F~104°F)
	Application	Available fo drainage of fishery, farming-irrigation, water conservancy project and plants.
Structure	The lowest depth	∇30 M
	Impeller	Semi-open / Channel Centrifugal Impeller
Pump	Seal	Dual Mechanical Seal
	Upper Cover	½HP : SUS-304 / Up 1HP : FC-200
	Bearing	Heavy-duty bearing
	Impeller	½HP : FC-200 / 1.5HP : Bronze / 3~10HP : SCS13
	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(7½~10HP)
	Inner protector	Auto Reset Motor Protector
	Casing	SUS-304
	Main Shaft	SUS-410 / SUS-420 / SUS-304
Cable	Standard VCT	

APPLICATION

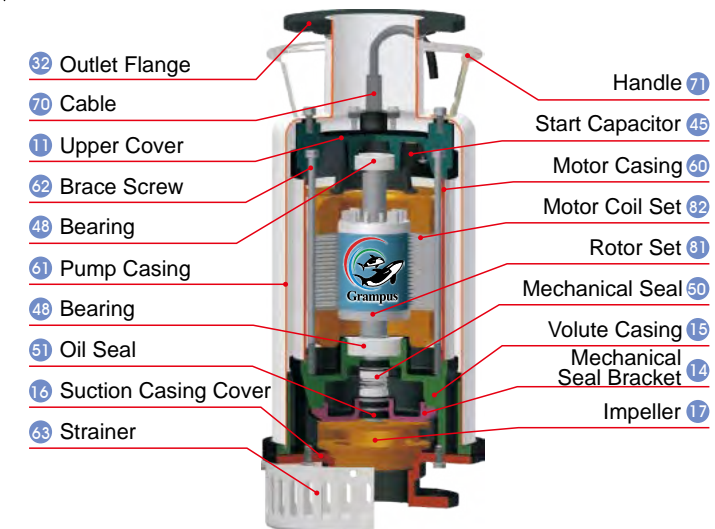
1. Equipped with a strainer, it can be used for water supplying and drainage in fishponds.
2. In models over 1.1 KW input: after pulling down the pump's strainer you can install the check valve through the outlet flange interface and connect the well piping. This way, it can be used for farm irrigation to pump groundwater and other groundwater projects.
3. Use for long-term circulation water supply for factory drainage, wastewater, water supply for mountainside, landscaping, and gardening, etc.

WATER COOLING

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



STRUCTURAL DRAWING



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



Axial-Flow Large Volume Water Sump Pump

(U)Partical Components are made from Bronze.

Bronze Cast iron



G-1054(U) G-114(U)
G-3054(U) G-314(U)



G-356



G-3758

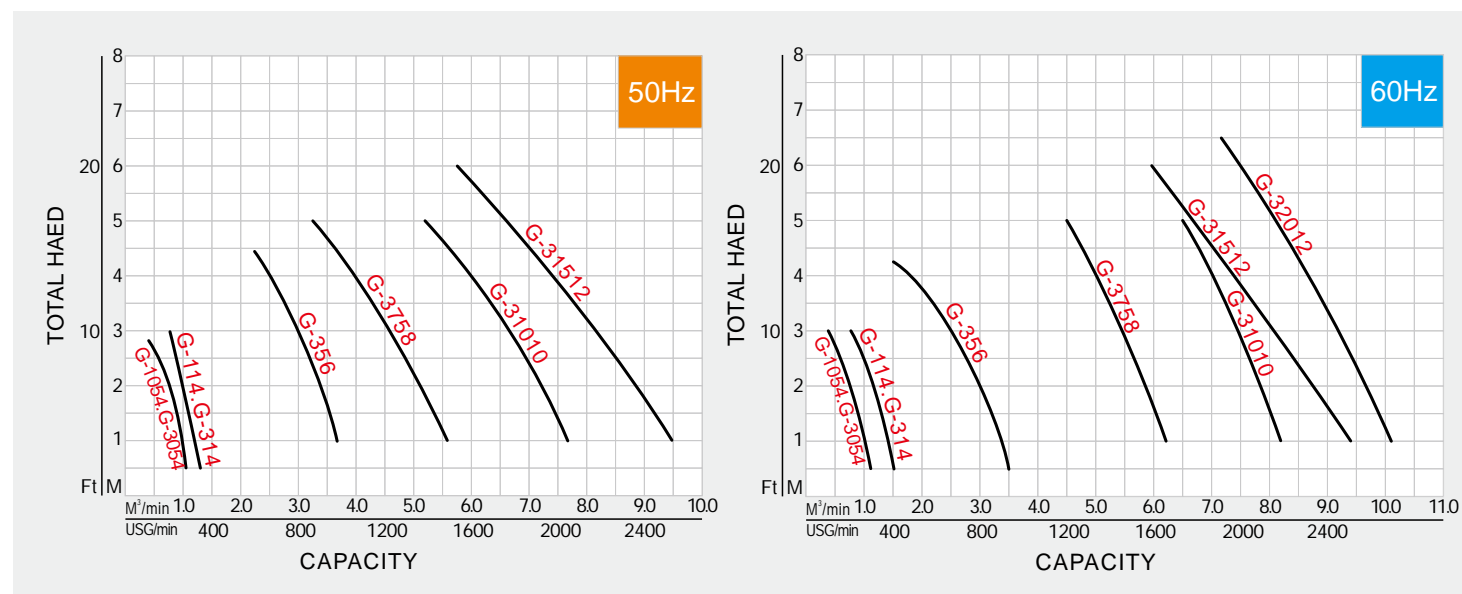


G-31010



G-31512U
G-32012U

PERFORMANCE CURVE



SPECIFICATION

※(U)Partical Components are made from Bronze.

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Flow	Weight	Remark	
TYPE	Hz	PH	HP	KW	P/rpm	M	M³/min	M³/min	KG	REM	
G-1054(U)	50	60	1Ø	½	0.4	4"	100	2P / 2850 / 3450	1.5M 1.5M	0.8 0.9 1.1 1.2	25
G-3054(U)	50	60	3Ø	½	0.4	4"	100	2P / 2850 / 3450	1.5M 1.5M	0.8 0.9 1.1 1.2	25
G-114(U)	50	60	1Ø	1	0.75	4"	100	2P / 2850 / 3450	1.5M 1.5M	1.1 1.3 1.4 1.6	26
G-314(U)	50	60	3Ø	1	0.75	4"	100	2P / 2850 / 3450	1.5M 1.5M	1.1 1.3 1.4 1.6	26
G-356	50	60	3Ø	5	3.7	6"	150	4P / 1425 / 1725	3 M 4 M	3.0 2.5 4.0 3.7	75
G-3758	50	60	3Ø	7½	5.5	8"	200	4P / 1425 / 1725	4 M 4 M	4.0 5.0 6.0 6.5	100
G-31010	50	60	3Ø	10	7.5	10"	250	4P / 1425 / 1725	4 M 4 M	6.0 7.0 8.0 8.5	130
G-31512U	50	60	3Ø	15	11	12"	300	4P / 1425 / 1725	4.5M 4.5M	7.0 7.0 10.0 10.0	225
G-32012U	-	60	3Ø	20	15	12"	300	4P / --- / 1725	- 6 M	- 7.5 - 10.5	240

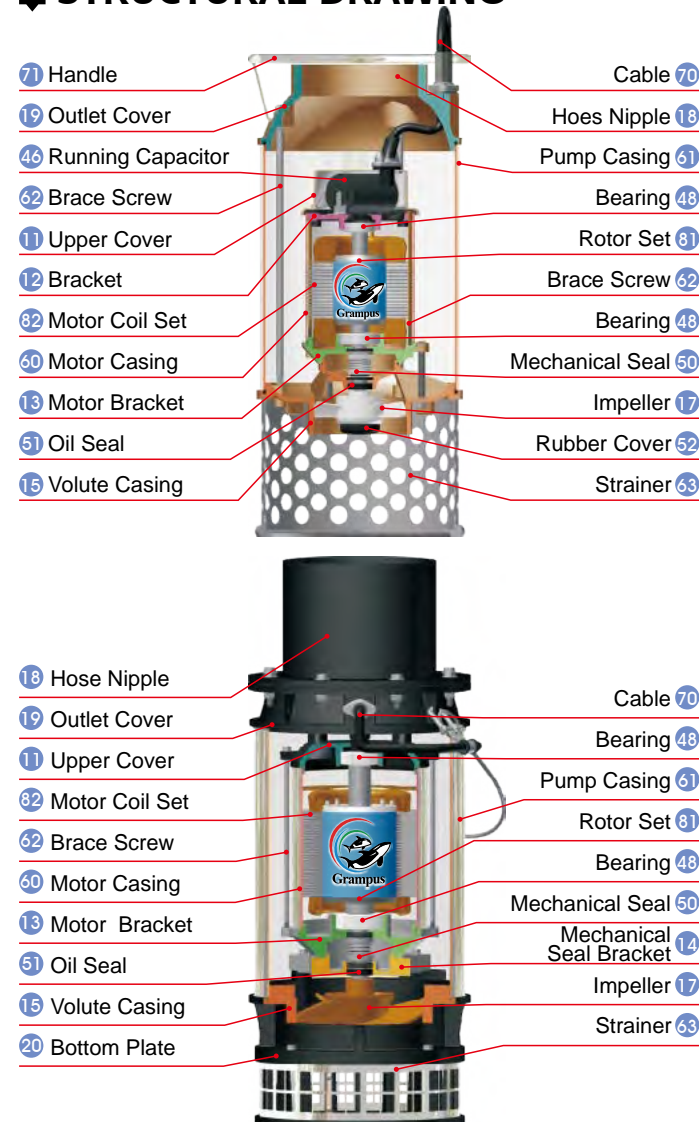
FEATURES

1. Axial impeller and wide caliber are designed for higher water flow.
2. The motor does not require high voltage equipment to start.
3. The balance both between the motor shaft and impeller is calibrated to reduce noise and vibration during operation.
4. The G series pumps cast parts are made of high-quality cast iron or bronze with stainless steel housing.
5. The cast iron parts are coated with Epoxy to resist corrosion.
6. It is easy to move since it's small and lightweight.

APPLICATION

1. Discharge 4 is suitable for the water cycle in carp farms.
2. Collocation with horticulture, or landscape gardening.
3. Drainage of streams, rivers, farm-irrigations, fisher ponds.
4. Drainage of sewer treatment, water conservancy engineering, waterworks or other industries.

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

		Caliber	100 • 150 • 200 • 250 • 300(mm)
		Temperature	0°C~40°C (32°F~104°F)
Liquid	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 water.	
	The lowest depth	▽30 M	
Pump	Material	Impeller	Axial-Flow Impeller
		Seal	Dual Mechanical Seal
		Upper Cover	½~1HP : SUS-304 5~10HP : FC-200 / Bronze 15~20HP : Bronze
		Bearing	Heavy-duty bearing
		Impeller	0.5~1 & 5 & 7.5~10HP : SCS13 15 & 20HP : Bronze
		Motor Bracket	0.5~10HP : FC-200 / Bronze 15~20HP : Bronze
		Mechanical Seal Bracket	0.5~10HP : FC-200 / Bronze 15~20HP : Bronze
		Volute Casing	0.5~1HP : FC-200 / Bronze 5~20HP : FC-200
		Strainer	SUS-304
		Bottom Plate	7½~20HP : FC-200
Motor	Material	Seal	Lubricant ISO VG.#32 Motor Side Carbon / Ceramic Pump Side ½~1HP: Silicon Carbide / Silicon Carbide 5~20HP: Carbon / Ceramic
		Type	Submersible dry type
		Insulation class	B class(130°C) / F class(7½~20HP)
		Inner protector	Auto Reset Motor Protector
Motor	Material	Casing	SUS-304
		Main Shaft	SUS-304
		Cable	Standard VCT

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



Grinder Pump

GD-11512(A)
GD-1212(A)
GD-1312



GD-31512
GD-3212
GD-3312



GD-332
GD-352



GD-3752

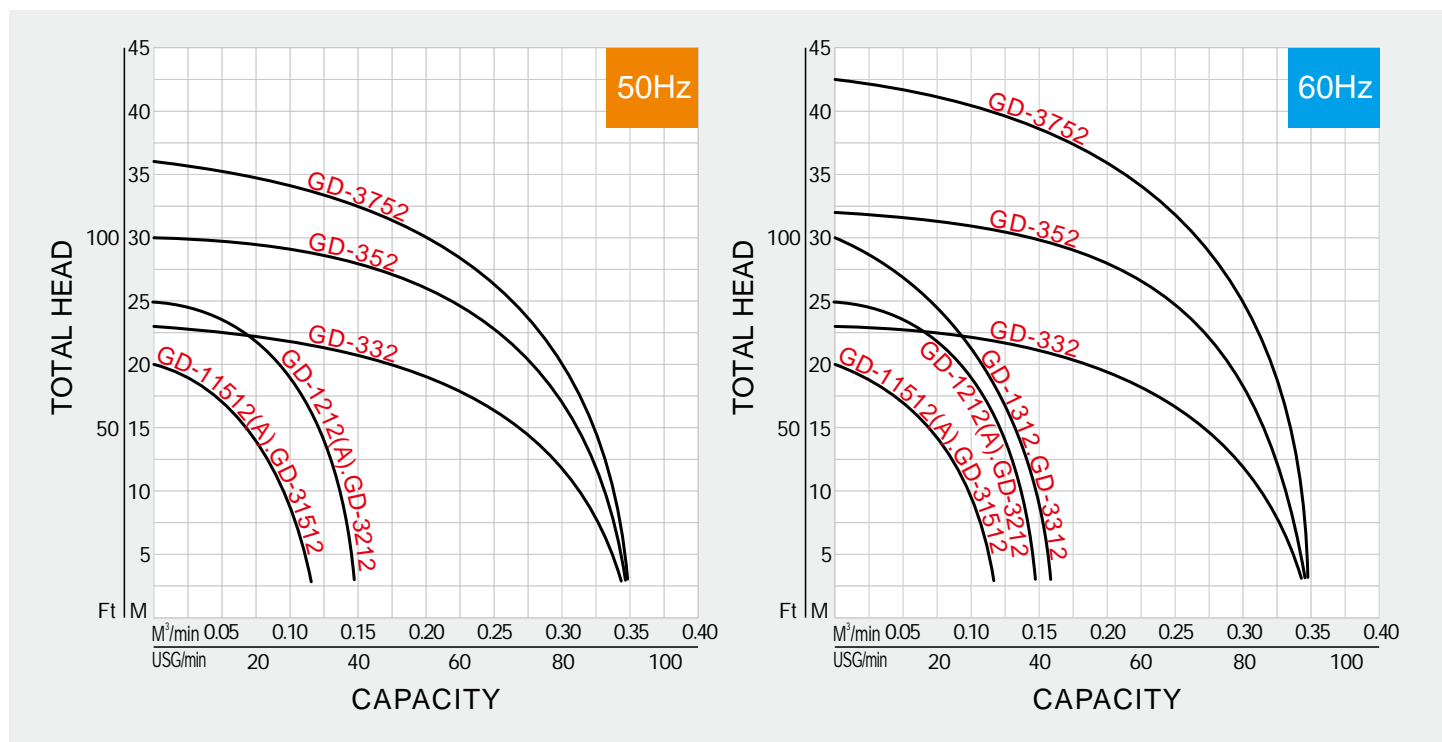


Radial Cutter
Radial Ring



Youtube

PERFORMANCE CURVE



SPECIFICATION

Type	Frequency	Phase	Power	Discharge	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Remark							
TYPE	Hz	PH	HP	KW	Inch	mm	P/rpm	M	M³/min	M	M³/min	KG	REM					
GD-11512(A)	50	60	10	1.1	1 1/4"	32	2P / 2850 / 3450	16	16	0.06	0.06	20	20	0.12	0.12	27		
GD-31512	50	60	30	1.1	1 1/4"	32	2P / 2850 / 3450	16	16	0.06	0.06	20	20	0.12	0.12	25		
GD-1212(A)	50	60	10	2	1.5	1 1/4"	32	2P / 2850 / 3450	23	23	0.06	0.06	25	25	0.15	0.15	36	
GD-3212	50	60	30	2	1.5	1 1/4"	32	2P / 2850 / 3450	23	23	0.06	0.06	25	25	0.15	0.15	33	
GD-1312	-	60	10	3	2.2	1 1/4"	32	2P / - / 3450	-	26	-	0.06	-	30	-	0.16	39	
GD-3312	-	60	30	3	2.2	1 1/4"	32	2P / - / 3450	-	26	-	0.06	-	30	-	0.16	36	
GD-332	50	60	30	3	2.2	2"	50	2P / 2850 / 3450	19	19.5	0.20	0.20	23	23	0.35	0.35	51	
GD-352	50	60	30	5	3.7	2"	50	2P / 2850 / 3450	26	28	0.20	0.20	30	32	0.35	0.35	53	
GD-3752	50	60	30	7 1/2	5.5	2"	50	2P / 2850 / 3450	30	36	0.20	0.20	36	42.5	0.35	0.35	54	

FEATURES

- GD series Grinder Pumps are produced with high-quality FC-200 cast iron housings, VCT cable with Epoxy resin base, dry motor, and dual-mechanical seals for better performance.
- The pump has heavy-duty ball bearings, a protector and insulation that conforms to IEC IP68 standards.
- The design of the centrifugal semi-open impeller can avoid any long fiber items or other objects from blocking the inlet.
- Both radial cutter and ring are made from SUS-440C material with a hardness of HRC 55-60°. Any high tenacity objects such as leather, textile, plastic bags, and rope are easy ground.

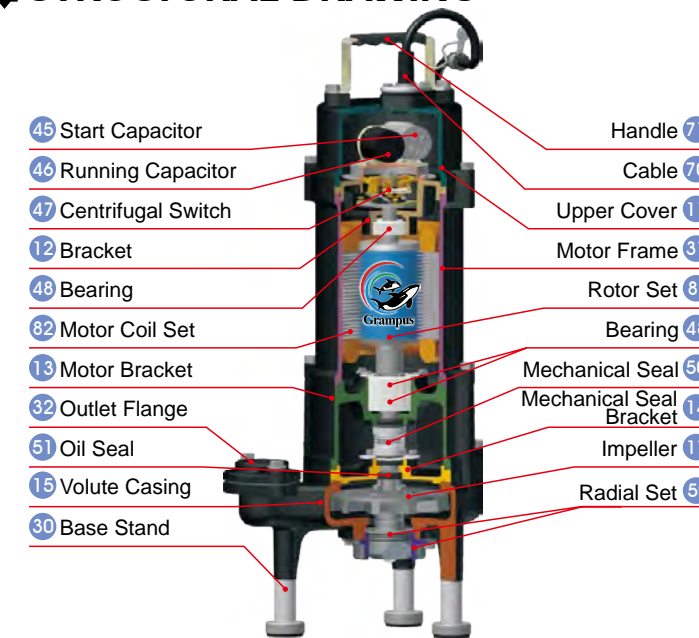
APPLICATION

- Materials such as leathers, textile fiber, food, and other tenacity objects are easily ground.
- General household using, drainage systems of buildings and apartments, resorts and wastewater systems.
- Commercial buildings, industrial factories, sewage water treatments.
- Wastewater systems of schools, municipal engineering sewage treatments and so on are appropriate to this application.
- Available to use in various wastewater drainage systems and sewage water treatments.

Industry application



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.	
Pump	The lowest depth	∇30 M	
	Structure	Impeller	Centrifugal Vortex 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
Radial Cutter		SUS-440C	
Seal	Radial Ring	SUS-440C	
	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	FC-200
		Main Shaft	SUS-410 / SUS-420
Cable		Standard VCT	

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



Submersible Aerator

AJ-332
AJ-352



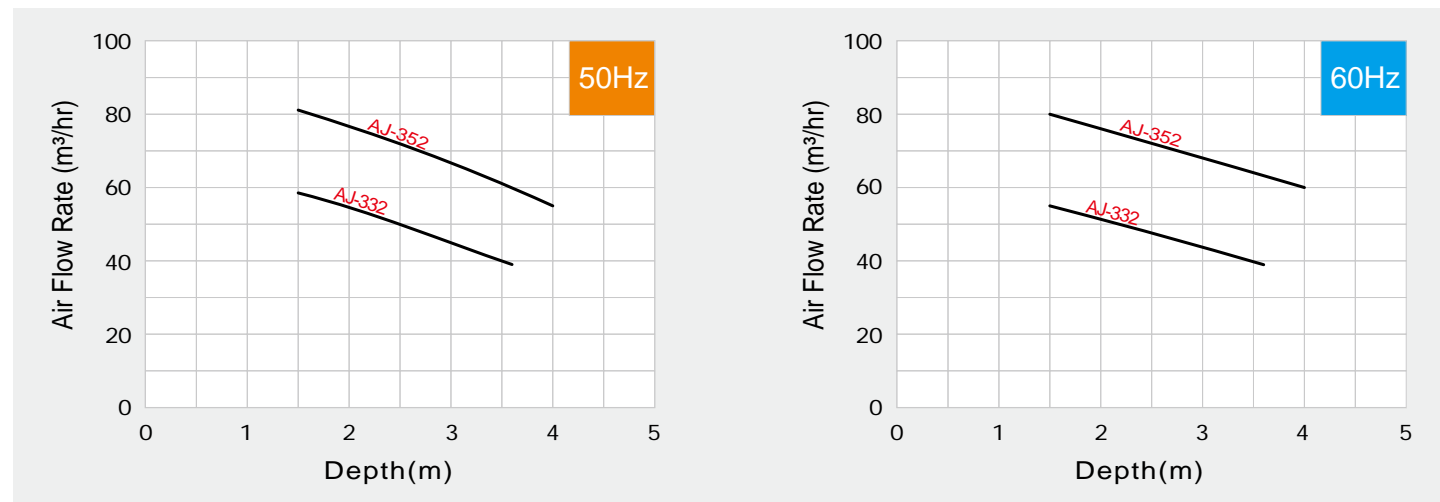
APPLICATION

Excellent equipment for aeration in various industries, such as industrial wastewater, sewage water aeration treatment, general sewer aeration engineering, and active slurry treatment in aeration tanks. Also excellent for wastewater mixing and animal husbandry.

FEATURES

1. The AJ series rotates the turbine inside the pump to mix air and liquid, then releases an air-liquid mixture through the guide vane with a powerful aeration effect.
2. The high-efficiency design of air-liquid mixing allows this device to create homogeneous superfine air bubbles, which are then mixed with the whole liquid body with maximum degree of dissolved oxygen (DO.)
3. The dry motor is designed as a 3 phase, 4 pole induction motor with class F (155°C) insulation in accordance with the standards of IEC IP68.
4. The dual mechanical seal is made from silicon carbide for better lubrication and longer service life.
5. Ball-bearing with high torque durability, low noise and low vibration.
6. This pump can powerfully convert the air bubbles in every radial direction without missing any corners.
7. Our thick Epoxy coating is better than other common coatings for its corrosion and rust resistance.

PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Start Method	Voltage	Power	Discharge	Pole	Max. Water Depth	Air Flow Rate-Water Depth 50 / 60 Hz	No. of Outlets	Weight	Solid Passage
TYPE	PH		VOLT	HP KW	Inch mm	P	M	M³/hr		KG	mm
AJ-332	3Ø	Direct	220/380	3 2.2	2" 50	4P	3.6	39 / 38	8	126	15
AJ-352	3Ø	Direct	220/380	5 3.7	2" 50	4P	4.0	55 / 60	8	128	15

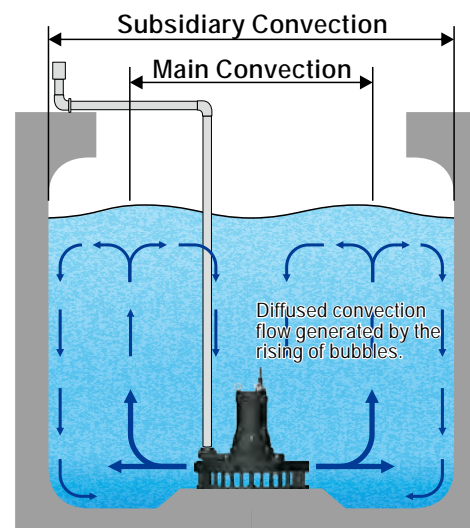
CONVECTION PATTERN

Main Convection

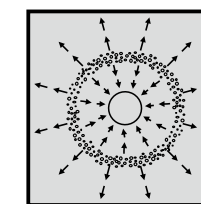
Convection made by rising bubbles. (The minimum distance that must be provided between each aerator.)

Subsidiary Convection

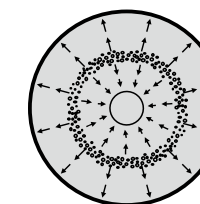
The maximum convection that can keep solids subsidiary pending to prevent sedimentation of solids.



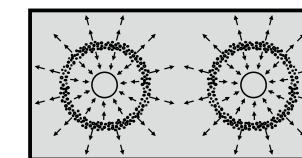
INSTALLATION CONSULTATION



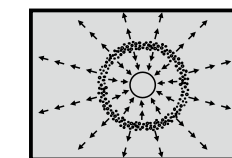
A Square Tank



A Circle Tank



(L:W=2:1)

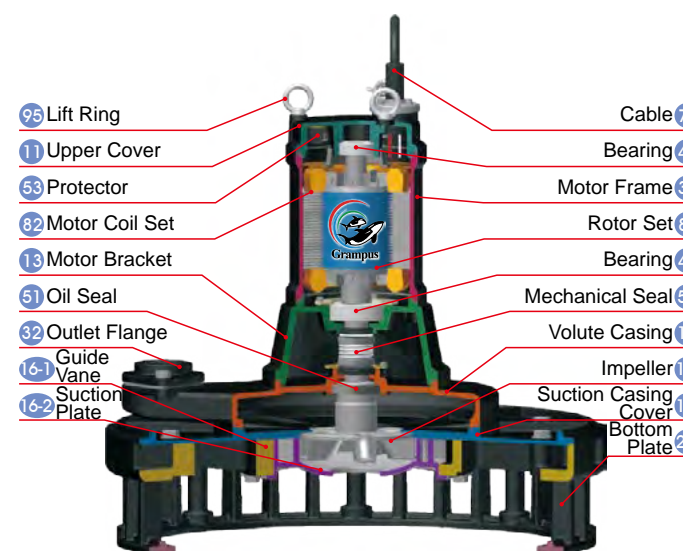


(L:W=1.5:1)

MATERIAL AND STANDARD TABLE

Caliber	50mm	
Coating	Epoxy	
Temperature	0°C~40°C(32°F~104°F)	
Liquid Application	Water treatment, plants, pond aerations, sewage, treatment, aeration, fish farming.	
The lowest depth	≥30 M	
Structure	Impeller	Semi-open
	Seal	Dual Mechanical Seal
Pump Material	Upper Cover	FC-200
	Bearing	Heavy-duty bearing
	Impeller	SCS13
	Volute Casing	FC-200
	Suction Casing Cover	FCD-450
	Guide Vane	FCD-450
	Suction Plate	SCS13
Seal	Bottom Plate	FCD-450
	Lubricant	ISO VG.#32
	Motor Side	Carbon / Ceramic
	Pump Side	Silicon Carbide / Silicon Carbide
Inner Protector	Perception Instrument of seal leakage	
Motor Type	Submersible dry type	
Insulation class	F class(155°C)	
Inner protector	Auto Reset Motor Protector	
Motor Material	Casing	FC-200
	Main Shaft	SUS-410 / SUS-420
	Cable	Standard VCT

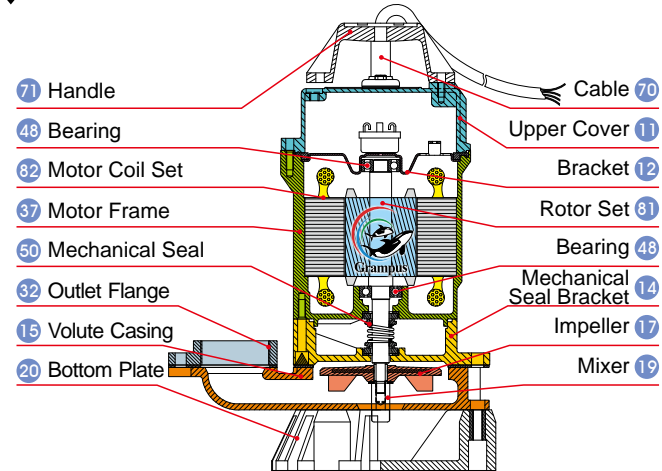
STRUCTURAL DRAWING



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



STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50mm • 80mm
	Temperature	0°C~40°C(32°F~104°F)
	Application	Draining at civil engineering or building sites. Draining storm water, groundwater, or puddles. Draining from basements or utility pits.
Pump	Material	Upper Cover ADC12 Bracket SECC Impeller TPU Volute Casing FC-200 Bottom Plate PVC
	Type	Submersible dry type
	Material	Casing FC-200 Cable Nylon 6

SPECIFICATION

Type	Phase	Voltage	Power	Discharge	Pole	Std.Head	Std.Flow	Weight	Remark
TYPE	PH	VOLT	HP	KW	P	M	M ³ /min	KG	REM
S-1052 / S-3052	1Ø / 3Ø	110/220/380	½	0.4	2P	8M	0.10	12	
S-1052A	1Ø	110/220	½	0.4	2P	8M	0.10	12.3	
S-1052G	1Ø	110/220	½	0.4	2P	8M	0.10	12.3	
S-112 / S-312	1Ø / 3Ø	110/220/380	1	0.75	2P	10M	0.20	16	
S-112A	1Ø	110/220	1	0.75	2P	10M	0.20	16.3	
S-112G	1Ø	220	1	0.75	2P	10M	0.20	16.3	



RM-3052
RM-313
RM-325
RM-337

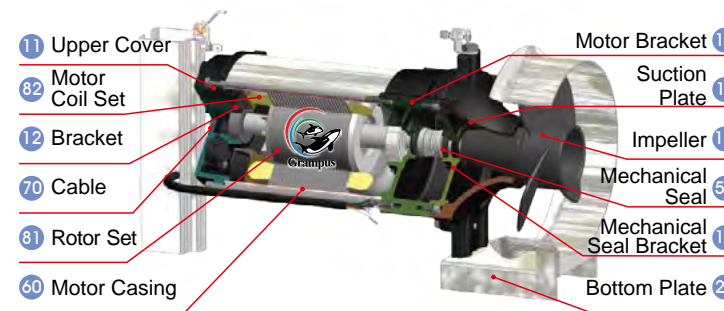
FEATURES

- 1.Compact design.
- 2.More efficient bulk flow.
- 3.The angular contact ball bearing resists axial force.

APPLICATION

- 1.Biological treatment tanks.
- 2.Equalization tanks.
- 3.Lime slurry storage tanks.
- 4.Ponds and rivers water circulations.
- 5.Heat exchanger.
- 6.Ice prevention.

STRUCTURAL DRAWING



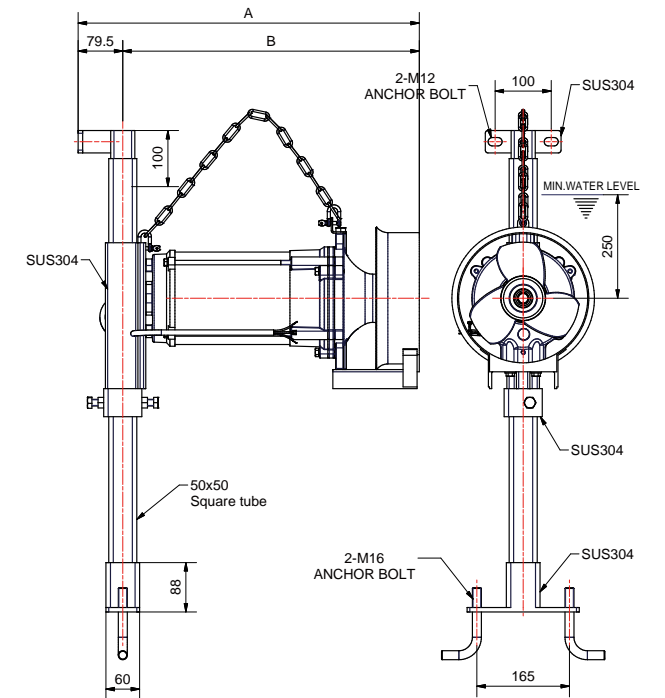
SPECIFICATION

Type	Phase	Voltage	Power	Pole	Capacity	Flow Speed	Dimension(mm)	Remark		
TYPE	PH	VOLT	HP	KW	P	M ³ /min	M/s	A	B	REM
RM-3052	3Ø	220/380	½	0.4	4P	1.8	1.78	538.5	459	
RM-313	3Ø	220/380	1	0.75	4P	3.2	2.02	538.5	459	
RM-325	3Ø	220/380	2	1.5	4P	4.5	2.50	588	508.5	
RM-337	3Ø	220/380	3	2.2	4P	6.8	3.50	608	528.5	

MATERIAL AND STANDARD TABLE

Liquid	Temperature	0°C~40°C(32°F~104°F)
	Application	Draining at civil engineering or building sites. Draining storm water, groundwater, or puddles. Draining from basements or utility pits.
Pump	Material	Upper Cover FC-200 Bracket FC-200 Impeller SCS13 Motor Bracket FC-200 Mechanical Seal Bracket FC-200 Bottom Plate SS41
	Type	Submersible dry type
	Material	Inner protector Auto Reset Motor Protector Casing SUS-304 Main Shaft SUS-304 Cable VCT

DIMENSIONS(Guide bar installation)





FS-1052
FS-3052

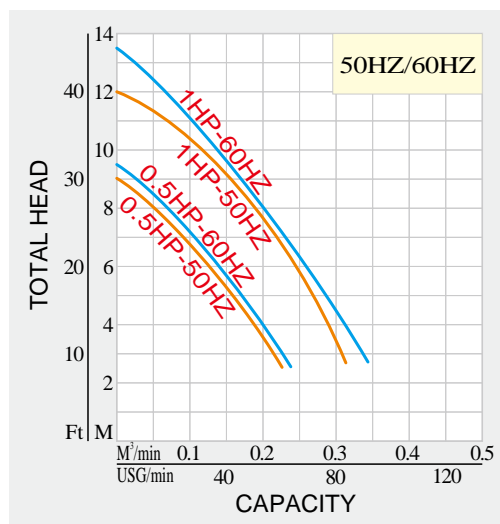


Schematic Drawing

FEATURES

1. The FS-series is a floating scum skimmer which is designed for the collection of foam scum on water surface, through by suction mouth to collect scum efficiently in order to reduce the manpower work.
2. By this floating type function, the suction part can keep its relative position with the water surface, which prevents operation failure due to changes in the water level.
3. Can be adjusted to any depth below the water surface by floater.

PERFORMANCE CURVE

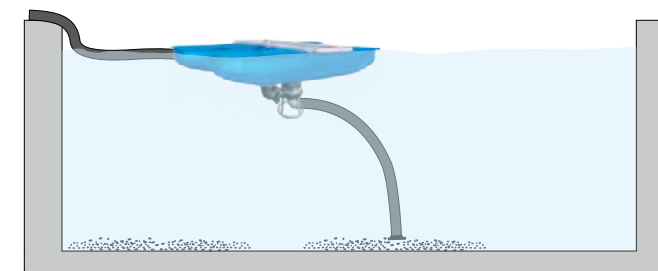


SPECIFICATION

Type	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	M³/min	M	M³/min	KG				
FS-1052	50 60	1Ø	380	½	0.4	2"	50	2P / 2850 / 3450	5 M	4 M	0.16	0.20	9 M	9.5M	0.27	0.29	26
FS-3052	50 60	3Ø	380	½	0.4	2"	50	2P / 2850 / 3450	5 M	4 M	0.16	0.20	9 M	9.5M	0.27	0.29	25
FS-112	50 60	1Ø	380	1	0.75	2"	50	2P / 2850 / 3450	8 M	8 M	0.19	0.20	12M	13.5M	0.35	0.40	28
FS-312	50 60	3Ø	380	1	0.75	2"	50	2P / 2850 / 3450	8 M	8 M	0.19	0.20	12M	13.5M	0.35	0.40	28



BD-333
BD-353

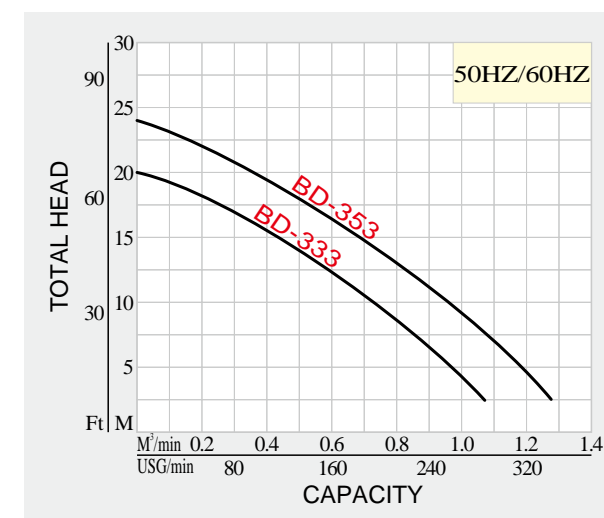


Schematic Drawing

FEATURES

1. The BD-series is a sludge pump for taking out the sludge, sediment, or any other residuals from the pond in order to maintain and have stable water quality.
 2. It can be used with floating boat or waterwheel, high replacement of the parts and applicable for deeper pond.
 3. Stainless steel baseplate with expendable anode block (Optional) can effectively extend the pump lifetime.
- ※The floating boat need to be additional purchased.

PERFORMANCE CURVE



SPECIFICATION

Type	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	M³/min	M	M³/min	KG
BD-333	50 60	3Ø	380	3	2.2	3"	80	2P / 2850 / 3450	14M	0.50	20M	1.15	42
BD-353	50 60	3Ø	380	5	3.7	3"	80	2P / 2850 / 3450	18M	0.50	24M	1.35	45.5



TC-10515
TC-30515

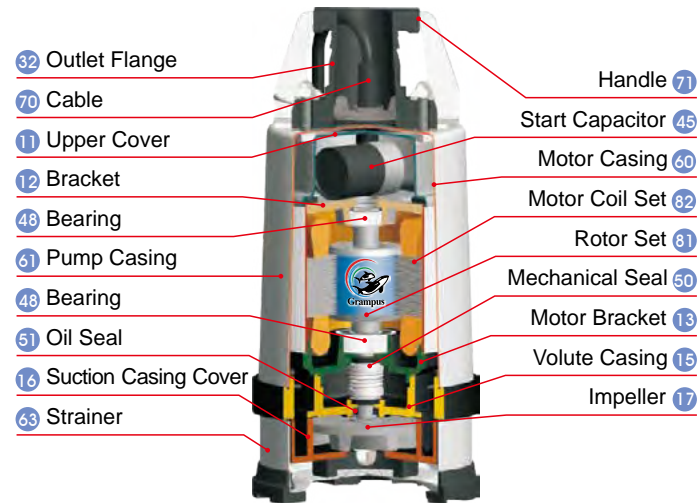


Youtube

APPLICATION

1. Ground and underground water suction.
2. Drainage of water tanks and water towers.
3. Home use drainage.

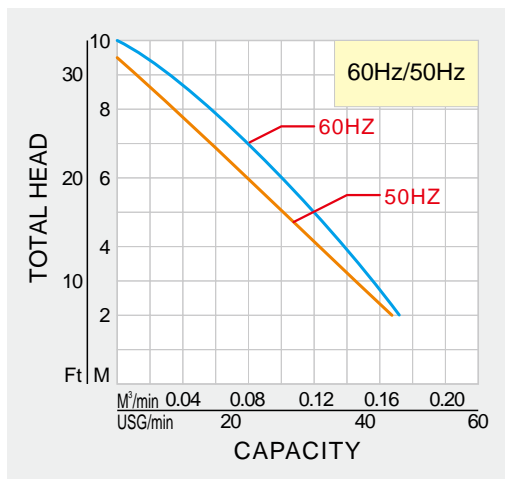
STRUCTURAL DRAWING



FEATURES

1. This pump has rubber suction pads for residual removal as low as 0.1~0.3 cm.
2. Special water-cooling design prevents the motor from overheating
3. Channel impellers are designed for high efficiency, power-saving, and prevent motors from overloading.
4. Lightweight and small size for easy transport. Plug-in option if needed.
5. Stainless steel casing and high-quality cast iron housing design for durability.

PERFORMANCE CURVE



MATERIAL AND STANDARD TABLE

Liquid	Caliber	40mm
	Temperature	0°C~40°C(32°F~104°F)
	Application	Ground and underground water suction, Drainage of water tanks and water tower
	The lowest depth	▽30 M
Structure	Impeller	Semi-open Impeller
	Seal	Dual Mechanical Seal
Material	Upper Cover	SUS-304
	Bearing	Heavy-duty bearing
	Impeller	FC-200
	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)
	Inner protector	Auto Reset Motor Protector
	Casing	SUS-304
	Main Shaft	SUS-410 / SUS-420
Cable	Standard VCT / Optional	

SPECIFICATION

Type	Frequency	Phase	Power	Discharge	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					
TC-10515	50	60	10	1/2	0.4	1 1/2"	40	2P / 2850 / 3450	5	6	0.10	0.10	9.5	10	0.22	0.20	15	
TC-30515	50	60	30	1/2	0.4	1 1/2"	40	2P / 2850 / 3450	5	6	0.10	0.10	9.5	10	0.22	0.20	15	



GP series KR series KT series TM series GH series

INDUSTRY SLURRY PUMP





Industrial Silty Pump (4P)

GP series



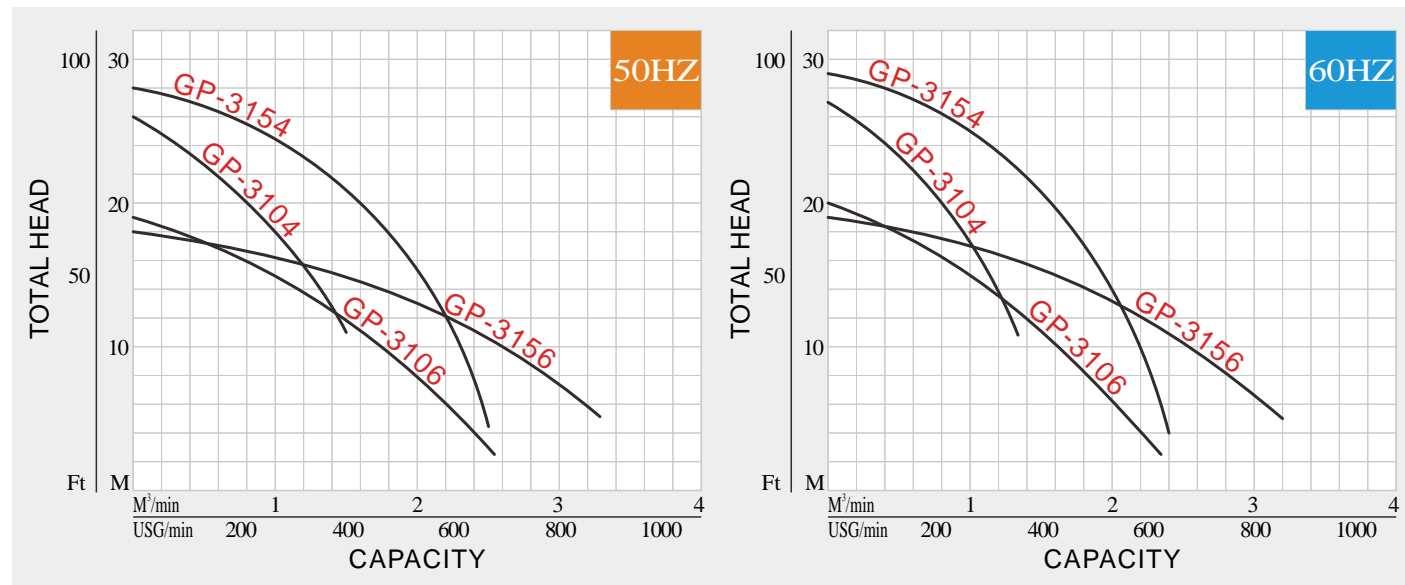
FEATURES

Most heavy-duty with 4-pole for handling heavily polluted liquid slurry, mud, clay, drilling dust, etc.

APPLICATION

1. Ground water drainage from dams, sewage system, tunnels, river improvement projects, civil engineering project, construction sites, and etc.
2. Muddy liquid generated from civil engineering works and architectural works.

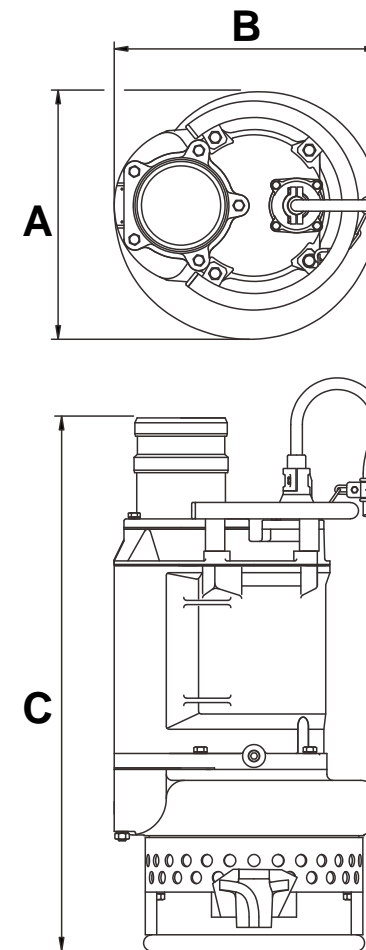
PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	M	M³/min	KG	mm	REM
GP-3104	3Ø	220~525	10	7.5	6"	150	4P	20	0.80	27	1.20	160	30	
GP-3106	3Ø	220~525	10	7.5	6"	150	4P	15	1.00	20	2.20	160	30	
GP-3154	3Ø	220~525	15	11	6"	150	4P	25	1.00	29	2.40	180	30	
GP-3156	3Ø	220~525	15	11	6"	150	4P	15	1.60	19	3.20	180	30	

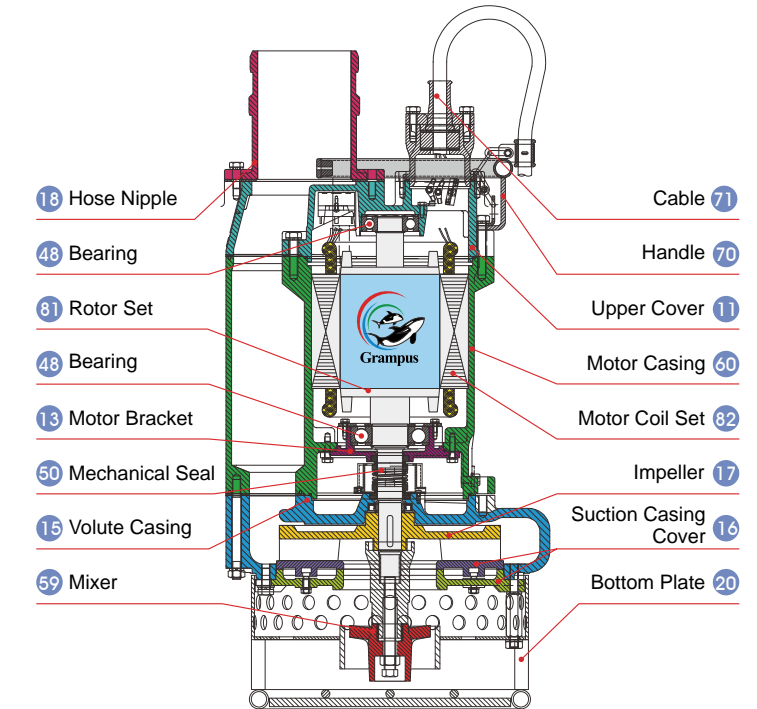
DIMENSIONS



Unit:mm

TYPE	A	B	C
GP-3104	370	415	940
GP-3106	370	415	940
GP-3154	430	450	980
GP-3156	430	450	980

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	100 / 150 mm		
	Temperature	0°C~40°C (32°C~104°F)		
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using		
	The lowest depth	▽10M		
Pump	Structure	Impeller	Semi-open Impeller	
		Seal	Dual Mechanical Seal	
		Upper Cover	FC-200	
		Bearing	Heavy-duty bearing	
	Material	Impeller	HCR	
		Volute Casing	FC-200	
		Motor Bracket	FC-200	
		Suction Casing Cover	HCR+FC-200	
		Seal	Lubricant	ISO VG.#32
			Motor Side	Carbon / Ceramic
Pump Side	SIC / SIC			
Motor	Type	Submersible dry type		
	Insulation class	F class(155°C)		
	Inner protector	Auto Reset Motor Protector		
	Material	Casing	FC-200	
Main Shaft		SUS-410		

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



Industrial Silty Pump (4P)

KR series



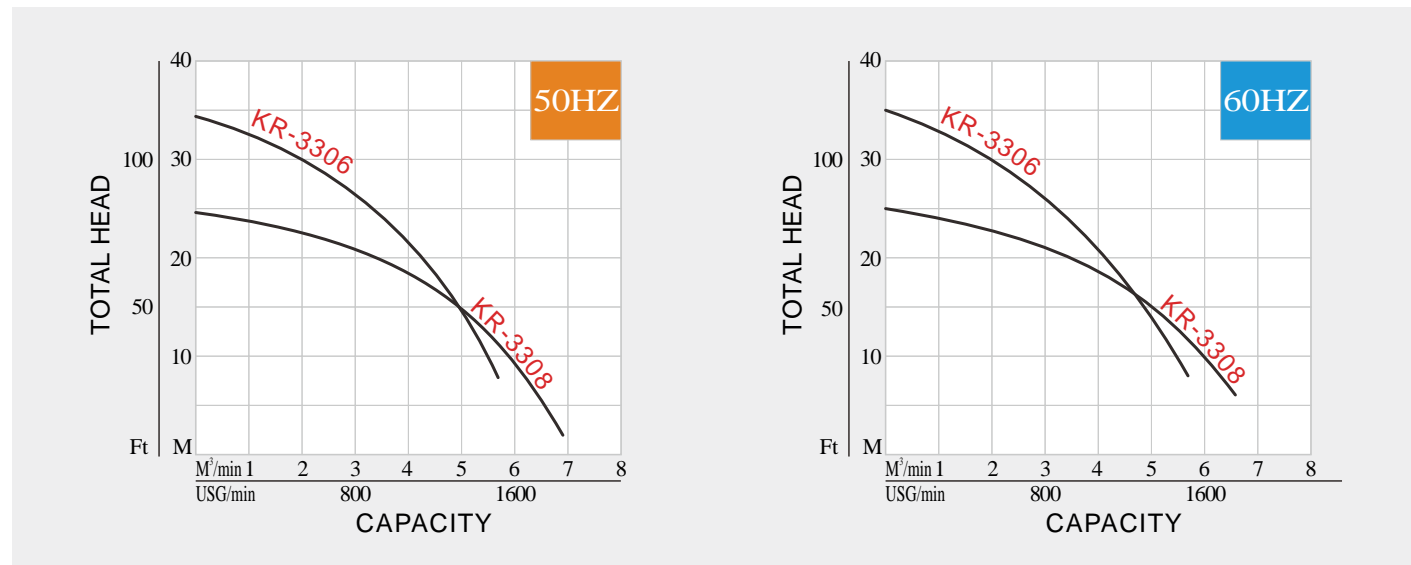
FEATURES

4-pole motor, high performance & large capacity, high/low head inter-changeable for handling extremely abrasive medias.

APPLICATION

1. General construction & civil engineering application.
2. Tunnel & subway construction, mining and reclamation operation.
3. Deep-well pre-dewatering.

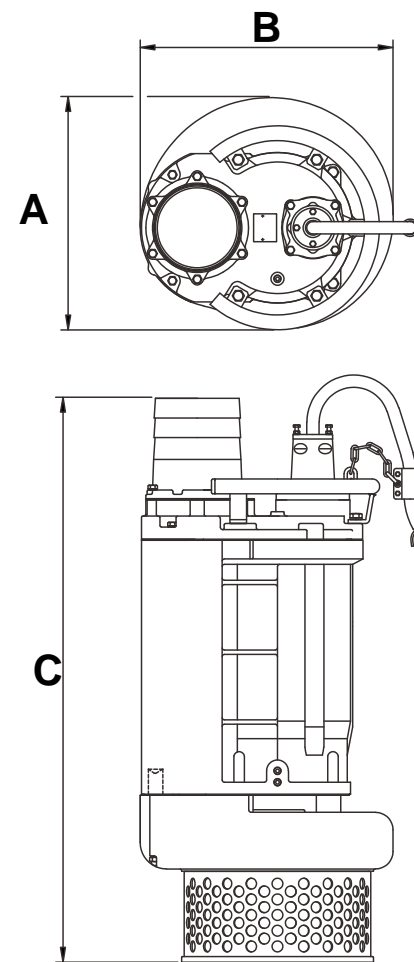
PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	M	M³/min	KG	mm	REM
KR-3306	3Ø	220~440	30	22	6"	150	4P	30	2.0	35	5.5	410	30	
KR-3308	3Ø	220~440	30	22	8"	200	4P	15	5.0	25	6.5	410	30	

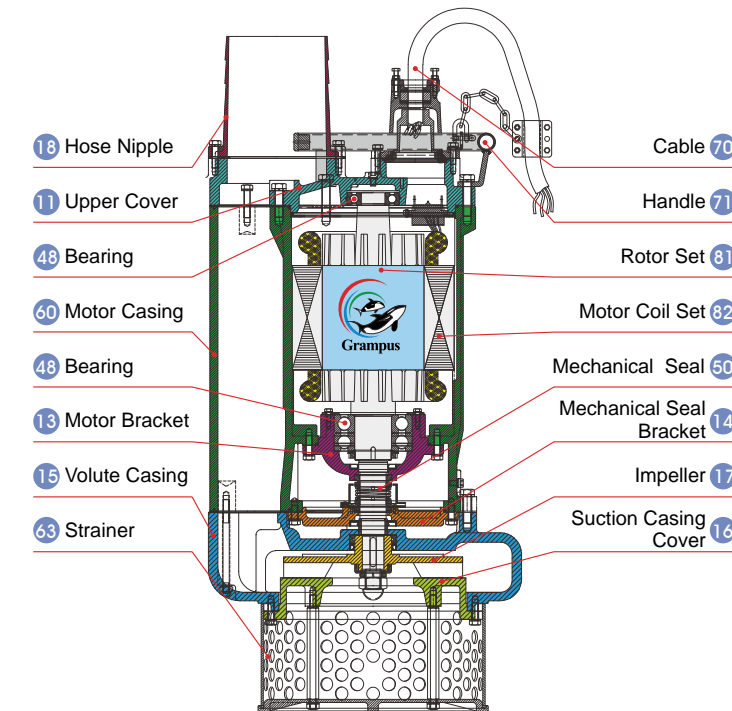
DIMENSIONS



Unit:mm

TYPE	A	B	C
KR-3306	535	580	1295
KR-3308	535	580	1295

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	150 / 200 mm	
	Temperature	0°C~40°C (32°C~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
Pump	The lowest depth	▽10M	
	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FC-200
		Bearing	Heavy-duty bearing
		Impeller	HCR
		Volute Casing	FCD-500
Motor Bracket		FC-200	
Seal	Suction Casing Cover	HCR+FC-200	
	Lubricant	ISO VG.#32	
	Motor Side	Carbon / Ceramic	
Motor	Pump Side	SIC / SIC	
	Type	Submersible dry type	
	Insulation class	F class(155°C)	
Material	Inner protector	Auto Reset Motor Protector	
	Casing	FC-200	
	Main Shaft	SUS-410	

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

KT series



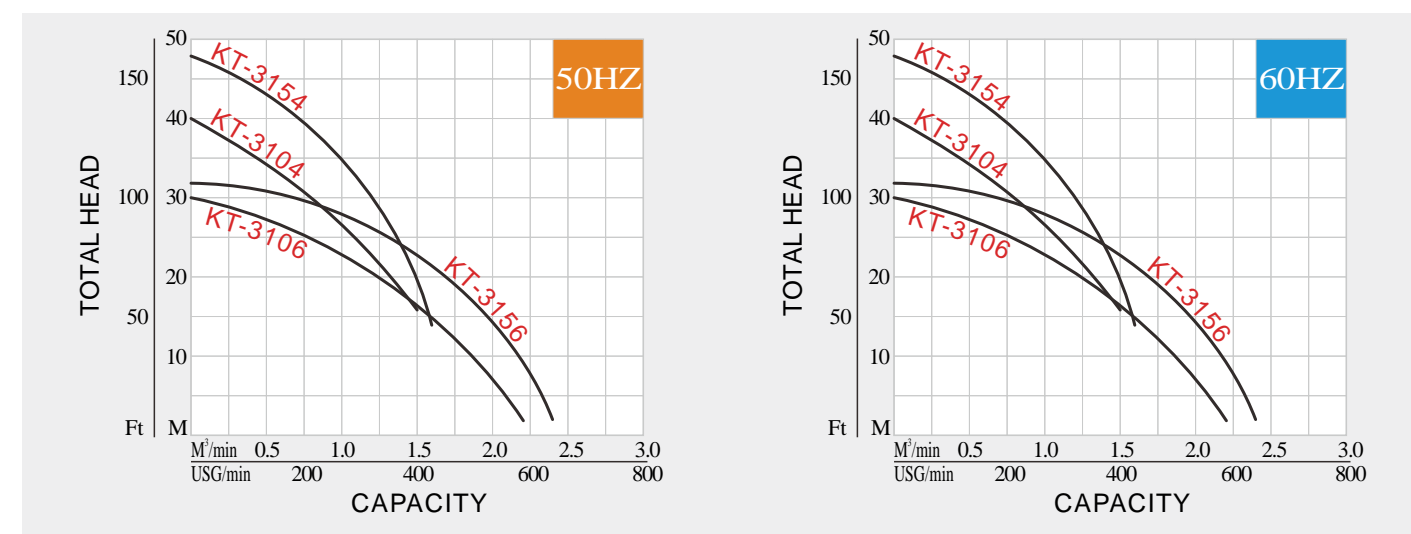
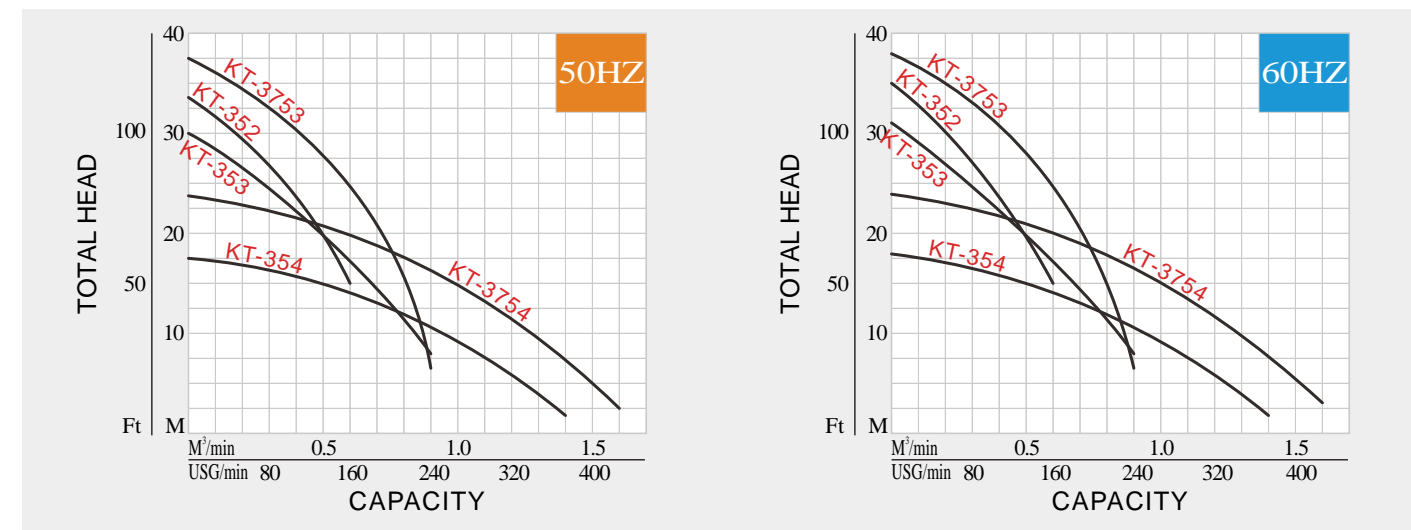
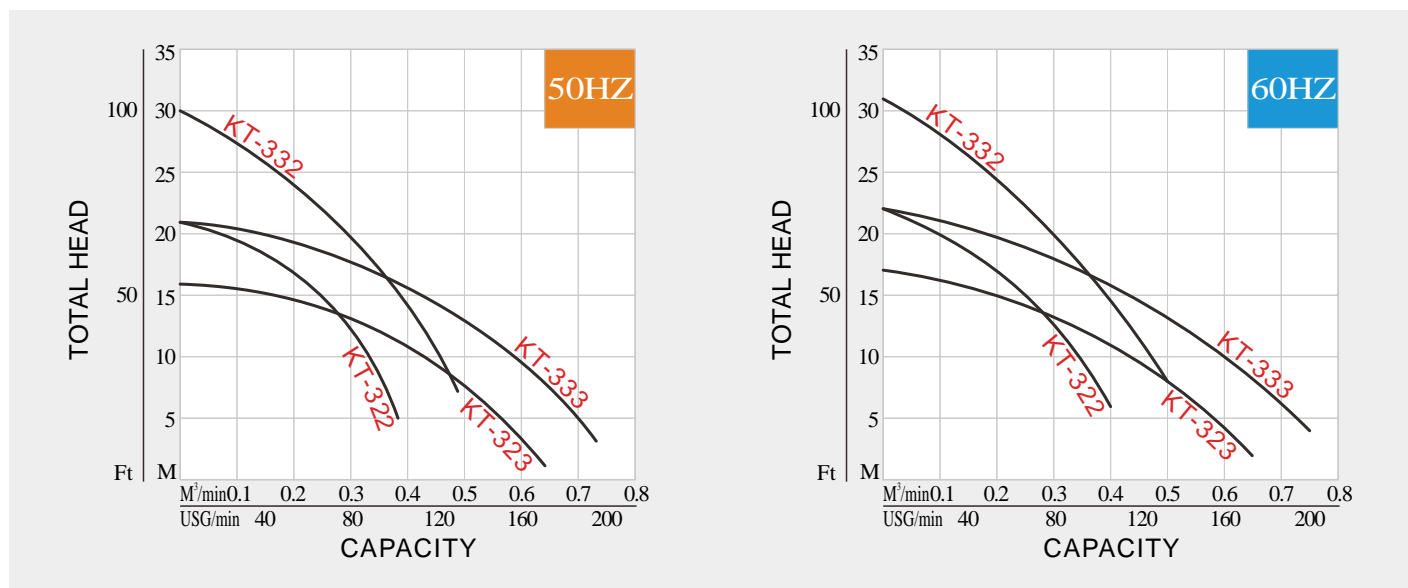
FEATURES

Compact design, high performance and durability for handling extremely abrasive media, ranging from general construction to civil engineering.

APPLICATION

1. General construction & civil engineering application.
2. Tunnel & subway construction, mining and reclamation operation.
3. Deep-well pre-dewatering.

PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	M	M³/min	KG	mm	REM
KT-322	3Ø	220~525	2	1.5	2"	50	2P	15	0.25	22	0.40	33	8.5	
KT-323	3Ø	220~525	2	1.5	3"	80	2P	8	0.50	17	0.65	33	8.5	
KT-332	3Ø	220~525	3	2.2	2"	50	2P	20	0.30	31	0.50	38	8.5	
KT-333	3Ø	220~525	3	2.2	3"	80	2P	10	0.60	22	0.75	38	8.5	
KT-352	3Ø	220~525	5	3.7	2"	50	2P	30	0.20	35	0.60	52	8.5	
KT-353	3Ø	220~525	5	3.7	3"	80	2P	20	0.50	31	0.80	52	8.5	
KT-354	3Ø	220~525	5	3.7	4"	100	2P	10	1.00	18	1.40	52	8.5	
KT-3753	3Ø	220~525	7.5	5.5	3"	80	2P	25	0.60	38	0.90	68	8.5	
KT-3754	3Ø	220~525	7.5	5.5	4"	100	2P	15	1.00	24	1.60	68	8.5	
KT-3104	3Ø	220~525	10	7.5	4"	100	2P	30	0.80	40	1.50	125	15	
KT-3106	3Ø	220~525	10	7.5	6"	150	2P	15	1.60	30	2.20	125	15	
KT-3154	3Ø	220~525	15	11	4"	100	2P	35	1.00	48	1.60	140	15	
KT-3156	3Ø	220~525	15	11	6"	150	2P	20	1.70	32	2.40	140	15	

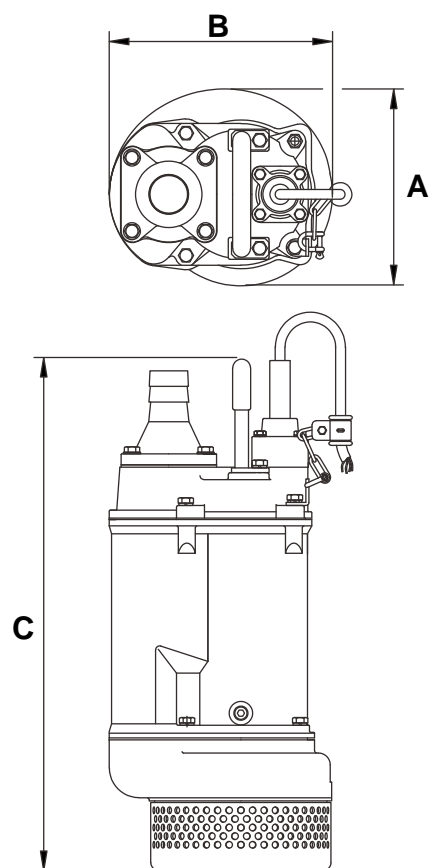


High Head Industrial Silty Pump (2P)

TM

Water-Cooling Industrial Silty Pump (2P)

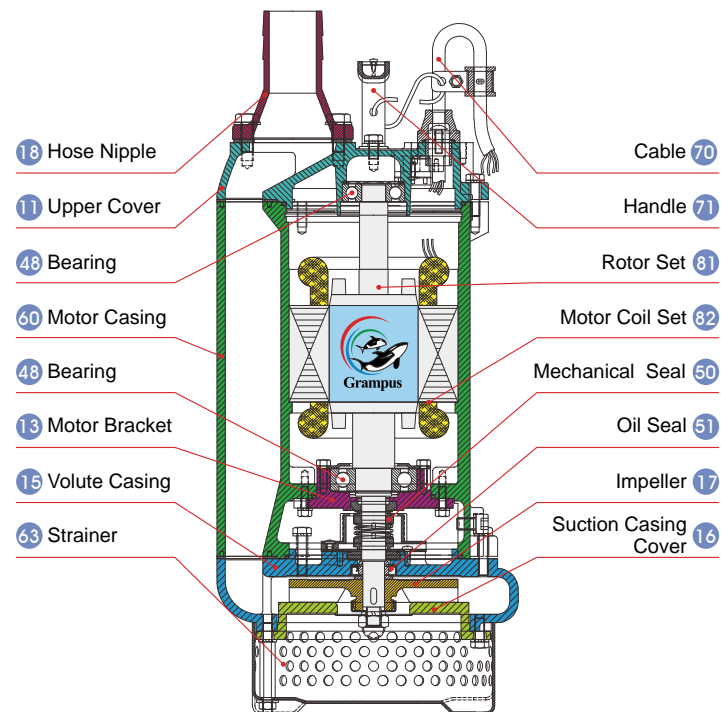
DIMENSIONS



Unit:mm

TYPE	A	B	C
KT-322	235	250	585
KT-323	235	250	585
KT-332	235	250	585
KT-333	235	250	585
KT-352	250	285	655
KT-353	250	285	655
KT-354	250	285	655
KT-3753	260	310	700
KT-3754	260	310	700
KT-3104	355	380	900
KT-3106	355	380	900
KT-3154	355	380	900
KT-3156	355	380	900

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50 / 80 / 100 / 150 mm	
	Temperature	0°C~40°C (32°C~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
Pump	The lowest depth	▽10M	
	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
		Upper Cover	FC-200
	Material	Bearing	Heavy-duty bearing
		Impeller	HCR
		Volute Casing	FC-200
		Motor Bracket	FC-200
		Suction Casing Cover	FC-200
		Seal	Lubricant
Motor Side	Carbon / Ceramic		
Pump Side	SIC / SIC		
Motor	Type	Submersible dry type	
	Insulation class	F class(155°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	FC-200
		Main Shaft	SUS-410

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

TM series



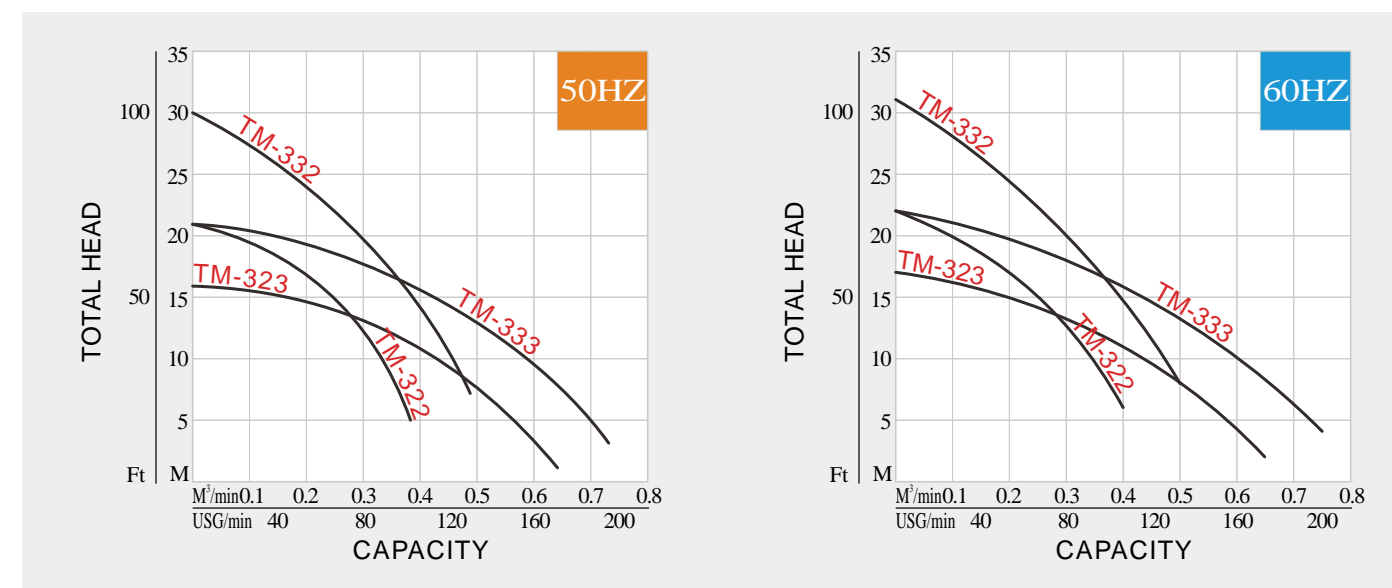
FEATURES

Lightweight with compact heavy-duty design for handling extremely abrasive liquid, expanding from general construction to civil engineering.

APPLICATION

- 1.General construction & civil engineering application.
- 2.Tunnel & subway construction, mining and reclamation operation.
- 3.Deep-well pre-dewatering.

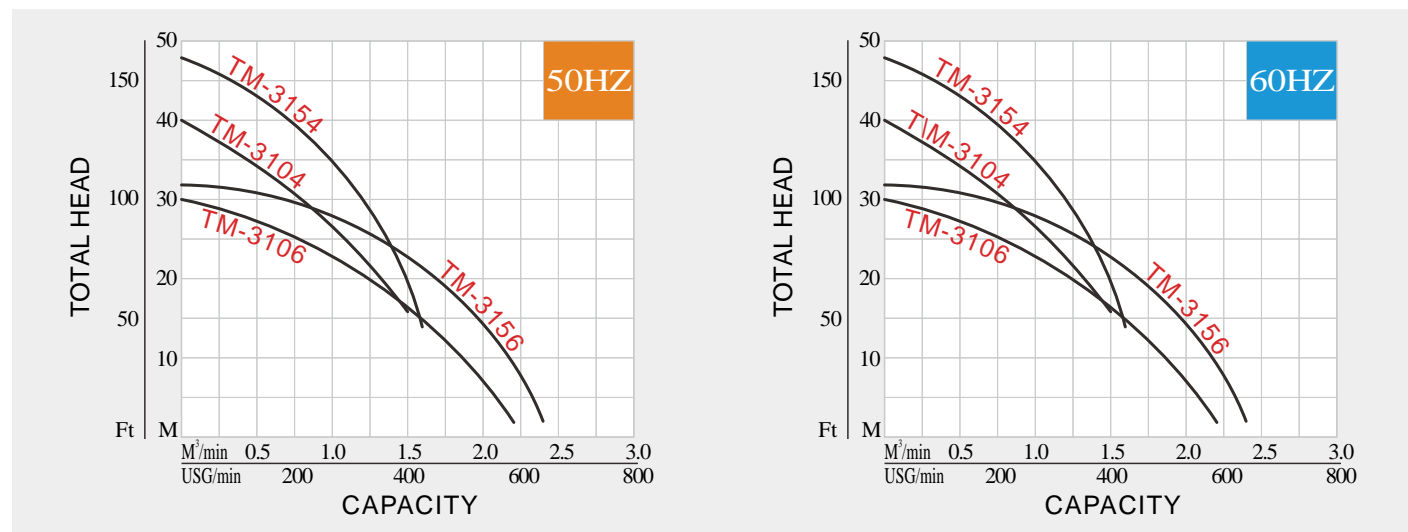
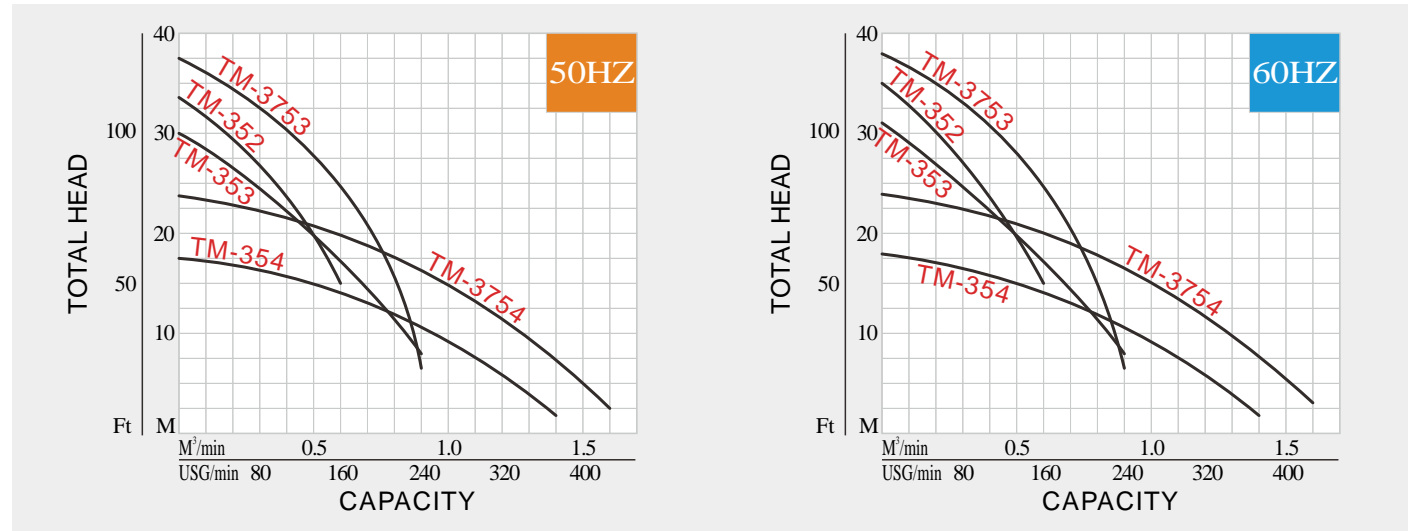
PERFORMANCE CURVE



Water-Cooling Industrial Silty Pump (2P)



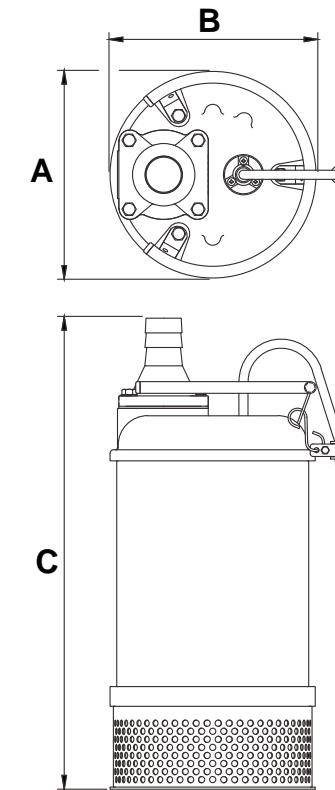
Water-Cooling Industrial Silty Pump (2P)



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M ³ /min	M	M ³ /min	KG	mm	REM
TM-322	3Ø	220~440	2	1.5	2"	50	2P	15	0.25	22	0.40	27	8.5	
TM-323	3Ø	220~440	2	1.5	3"	80	2P	8	0.50	17	0.65	27	8.5	
TM-332	3Ø	220~440	3	2.2	2"	50	2P	20	0.30	31	0.50	31	8.5	
TM-333	3Ø	220~440	3	2.2	3"	80	2P	10	0.60	22	0.75	31	8.5	
TM-352	3Ø	220~440	5	3.7	2"	50	2P	30	0.20	35	0.60	43	8.5	
TM-353	3Ø	220~440	5	3.7	3"	80	2P	20	0.50	31	0.80	43	8.5	
TM-354	3Ø	220~440	5	3.7	4"	100	2P	10	1.00	18	1.40	43	8.5	
TM-3753	3Ø	220~440	7.5	5.5	3"	80	2P	25	0.60	38	0.90	52	8.5	
TM-3754	3Ø	220~440	7.5	5.5	4"	100	2P	15	1.00	24	1.60	52	8.5	
TM-3104	3Ø	220~440	10	7.5	4"	100	2P	30	0.80	40	1.50	73	15	
TM-3106	3Ø	220~440	10	7.5	6"	150	2P	15	1.60	30	2.20	73	15	
TM-3154	3Ø	220~440	15	11	4"	100	2P	35	1.00	48	1.60	80	15	
TM-3156	3Ø	220~440	15	11	6"	150	2P	20	1.70	32	2.40	80	15	

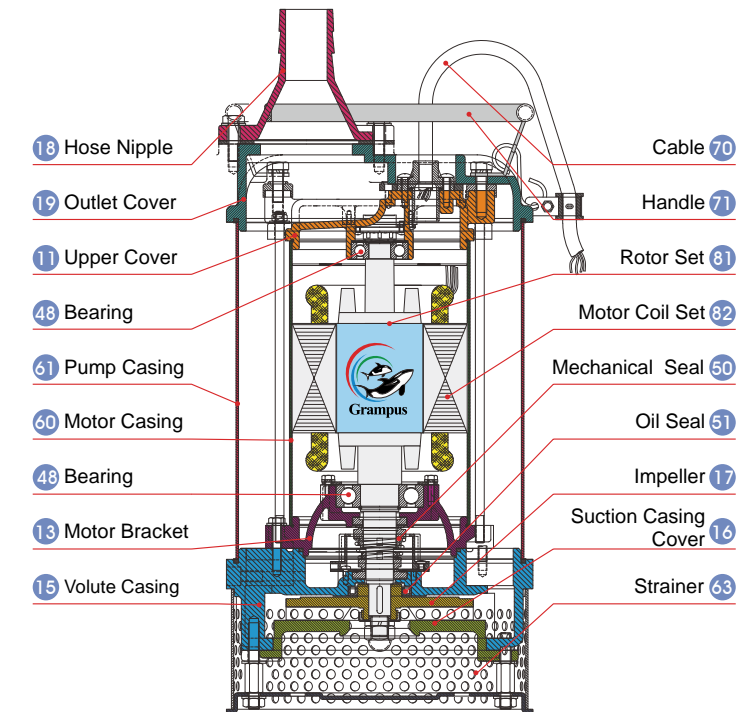
DIMENSIONS



Unit:mm

TYPE	A	B	C
TM-322	245	245	560
TM-323	245	245	560
TM-332	245	245	560
TM-333	245	245	560
TM-352	285	285	640
TM-353	285	285	640
TM-354	285	285	640
TM-3753	285	285	680
TM-3754	285	285	680
TM-3104	335	335	785
TM-3106	335	335	785
TM-3154	335	335	810
TM-3156	335	335	810

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	50 / 80 / 100 / 150 mm	
	Temperature	0°C~40°C (32°C~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
Pump	The lowest depth	▽10M	
	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	ALU : TA / FC-200 : TM
		Bearing	Heavy-duty bearing
		Impeller	HCR
		Volute Casing	ALU : TA / FC-200 : TM
		Motor Bracket	ALU : TA / FC-200 : TM
		Suction Casing Cover	FC-200
	Seal	Lubricant	ISO VG.#32
Motor Side		Carbon / Ceramic	
Pump Side		SIC / SIC	
Motor	Type	Submersible dry type	
	Insulation class	F class(155°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS-304
Main Shaft		SUS-410	

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



Industrial Silty Pump (2P)

GH series



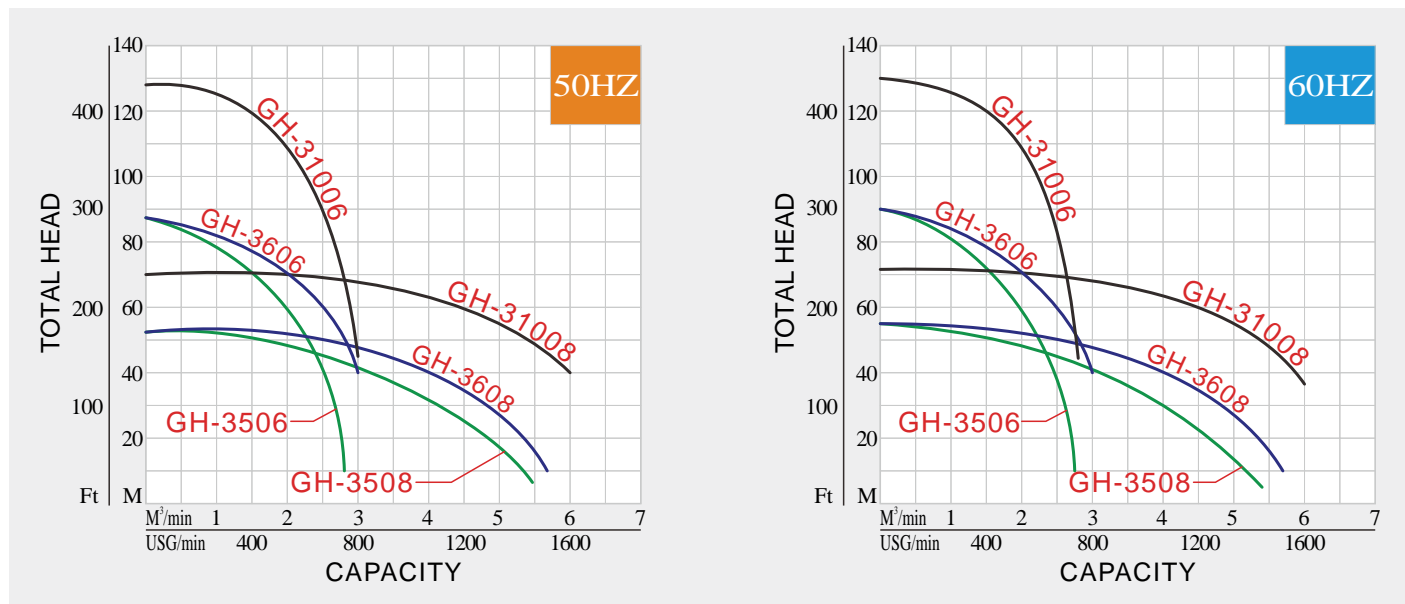
FEATURES

Compact design, high performance and durability for handling extremely abrasive media, ranging from general construction to civil engineering.

APPLICATION

1. General construction & civil engineering application.
2. Tunnel & subway construction, mining and reclamation operation.
3. Deep-well pre-dewatering.

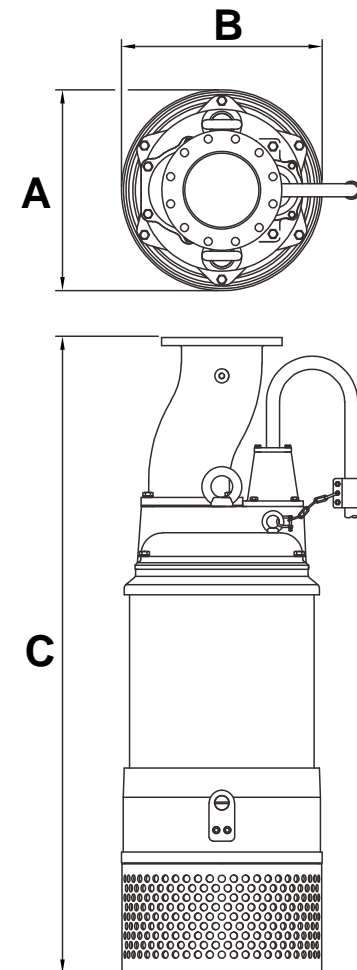
PERFORMANCE CURVE



SPECIFICATION

Type	Phase	Voltage	Power	Caliber	Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark		
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M³/min	M	M³/min	KG	mm	REM
GH-3506	3Ø	220~525	50	37	6"	150	2P	60	2.0	90	2.6	505	6	
GH-3508	3Ø	220~525	50	37	8"	200	2P	35	3.6	55	5.4	495	20	
GH-3606	3Ø	220~525	60	45	6"	150	2P	60	2.5	90	3.3	520	6	
GH-3608	3Ø	220~525	60	45	8"	200	2P	35	4.5	55	5.8	520	20	
GH-31006	3Ø	220~525	100	75	6"	150	2P	120	1.5	130	2.8	850	6	
GH-31008	3Ø	220~525	100	75	8"	200	2P	60	4.5	72	6.5	850	20	

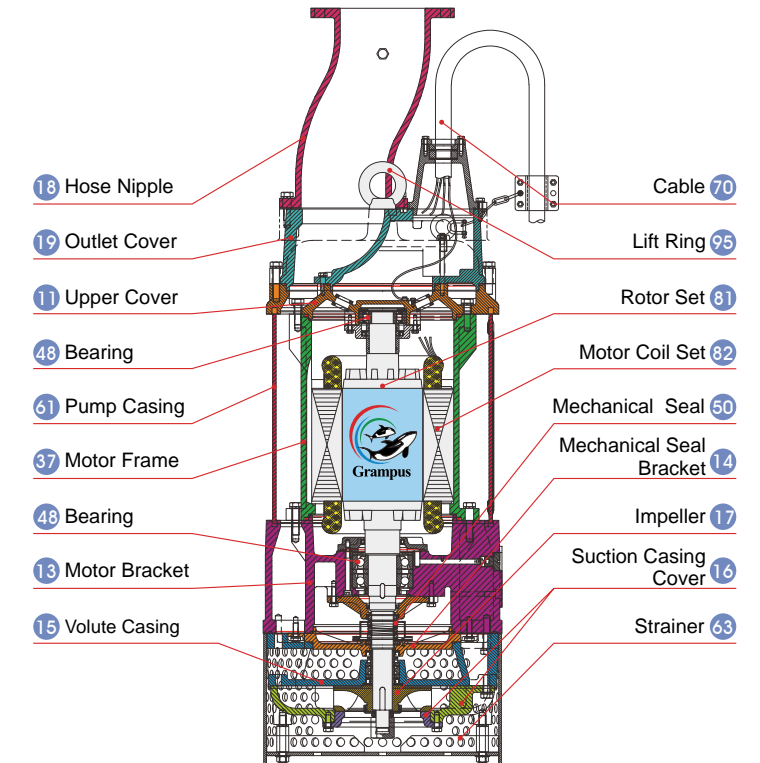
DIMENSIONS



Unit:mm

TYPE	A	B	C
GH-3506	530	530	1565
GH-3508	530	530	1585
GH-3606	530	530	1565
GH-3608	530	530	1585
GH-31006	550	550	1745
GH-31008	550	550	1745

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Liquid	Caliber	150 / 200 mm	
	Temperature	0°C~40°C (32°C~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
Pump	The lowest depth	▽10M	
	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	FCD-500
		Bearing	Heavy-duty bearing
		Impeller	HCR
		Volute Casing	FC-250
		Motor Bracket	FCD-500
	Seal	Suction Casing Cover	HCR+FC-250
		Lubricant	ISO VG.#32
Motor Side		Carbon / Ceramic	
Pump Side	SIC / SIC		
Motor	Type	Submersible dry type	
	Insulation class	H class(180°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	FC-200
Main Shaft		SUS-410	

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

TOS



TUS



■ SPECIFICATION

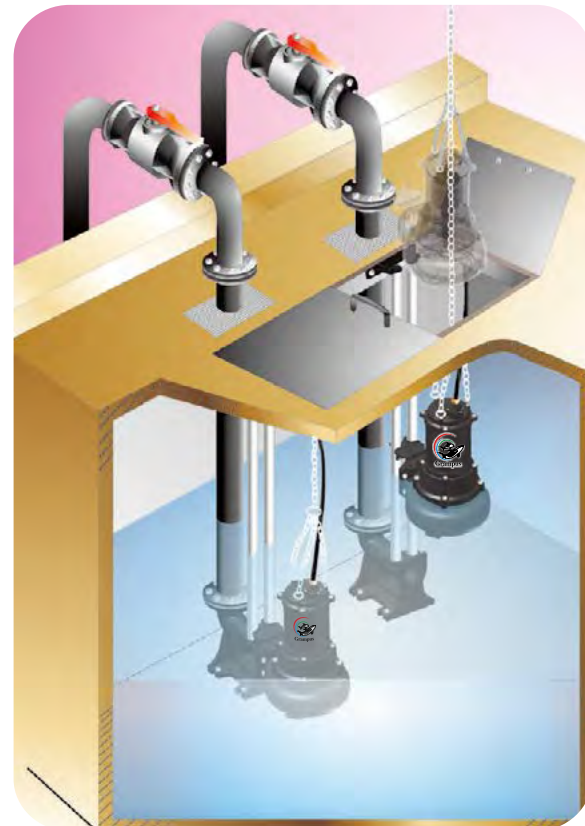
Type	Discharge	
TYPE	Inch	mm
TOS-2	2"	50
TOS-3	3"	80
TOS-4	4"	100
TOS-6	6"	150
TOS-8	8"	200

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

■ APPLICATION

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

■ Guide Rail System of Constitution



■ Guide Rail System

AS,BS,B,BV,GD and P series pumps with lift brackets are easy to repair and maintain by guide rail bars and chains. Additionally, they help pumps ascend and descend, assemble and disassemble, and it is safer and more convenient than traditional pumps.

■ ATTENTION

Depending on the installation situation at the project site, we have optional lifting devices. But the pump and guide rail are excluded from our lifting device, pump and guide rail need to be purchased separately.

JET



TOJ



■ SPECIFICATION

Type	Discharge	
TYPE	Inch	mm
JET-25	1"	25
JET-32	1¼"	32
JET-40	1½"	40
JET-50	2"	50

Type	Discharge	
TYPE	Inch	mm
TOJ-25	1"	25
TOJ-32	1¼"	32
TOJ-40	1½"	40
TOJ-50	2"	50

■ AERATION PROCESS

Air Pipe

The vortex impeller produces a high-speed jet flow which causes a discrepancy of the minus pressure and barometric pressure in the mixing chamber to the air that is sucked into the mixing chamber through air pipe.

Mixing Chamber

The air sucked into the high-speed mixing chamber produces an upward convection of numerous tiny bubbles through the compression of air and water which causes the pressure to increase oxygen in the aeration tank.

Diffusing Pipe

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

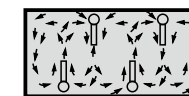
■ APPLICATION

Excellent equipment for aeration in various industries, such as industrial wastewater, sewage water aeration treatment, general sewer aeration engineering, and active slurry treatment in aeration tanks. Also excellent for wastewater mixing and animal husbandry.

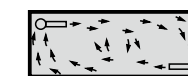
■ ATTENTION

Depending on the installation situation at the project site, we have an optional aeration device, but the pump and air pipe are excluded from our aeration device, so they must be purchased separately.

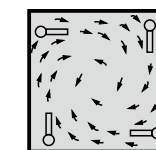
■ INSTALLATION CONSULTATION



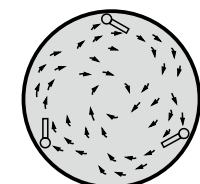
A Rectangular Tank
(L:W=2:1)



(L:W=5:1)



A Square Tank



A Circle Tank



Specialized Manufacturer of Submersible Pump · Made in TAIWAN ISO 9001 Certified

Continuously research, development and improvement of product is our consistent business philosophy and goals. Hence we reserve the right to modify specifications, capabilities and accessories of all products. For us to select suitable model, please inform the type, application, phase, power, caliber, voltage and head in detail before order. All the capabilities and specifications are subject to the products. If the voltage and frequency is specific standard, please customize in advance.