

WATER POWER ALL IN SONHO PUMP



In order to fulfill customized enquiries, we reserve rights to upgrade product performance by altering designs or specifications without releasing any advance notice.

SONHO PUMP MANUFACTURING CO., LTD.

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2016/03
Made in Taiwan



 **SONHO PUMP**
SONHO PUMP, reliable submersible pump.

2016/03
50Hz



SONHO PUMP MANUFACTURING CO., LTD. is a submersible pump manufacturer/supplier accumulates thirty-year experience in pump researching, developing and manufacturing.

To deliver sincere customer service, reliable products and innovative techniques has led SONHO PUMP to step a great progress in previous years.

Nowadays, we provide 20 main categories of dependable pumps to worldwide; also perform a role as an original equipment manufacturer (OEM) to provide high quality pumps according to customized requirements and create a long term collaborations depend upon customers' continued success.

Our major markets include Taiwan, Asia, Middle East, USA, Europe and Mainland China; pumps are applied in water treatment, agriculture, irrigation, mining, quarries, dams, ponds and aquaculture, construction and industry...etc.

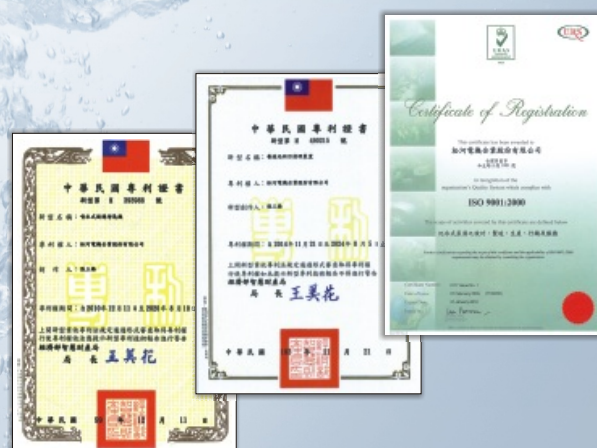
Second Factory



First Factory



WATER POWER ALL IN
SONHO PUMP



SONHO PUMP MANUFACTURING CO., LTD.

Product examination



Proformance testing



Spray painting



Show room



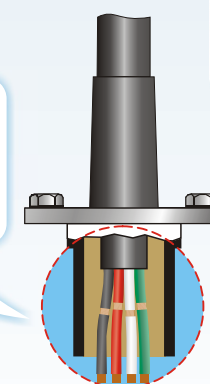
Export to worldwide



Exhibition



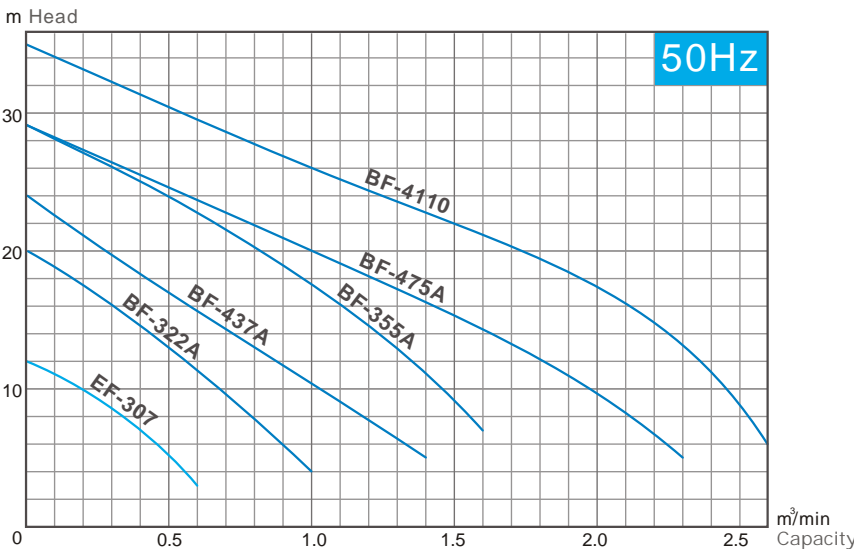
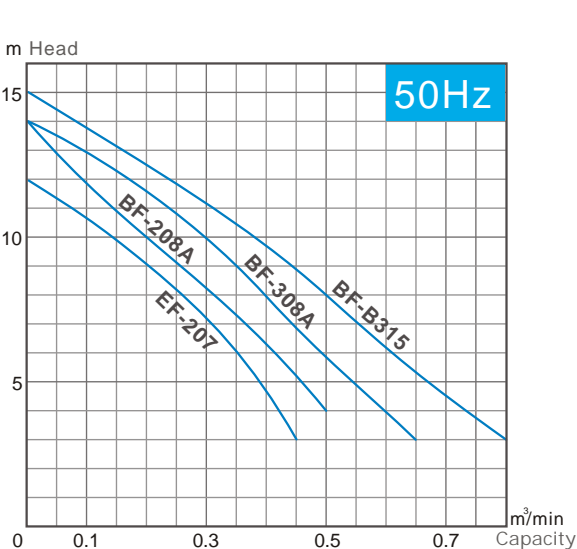
To all ranges of pumps are suitable for continuous immersion in water, inner cable wires and cable base are upgraded by filling EPOXY to completely raise humidity-resistance and water-resistance.



■ APPLICATIONS: Drainage of basement, food market and animal husbandry, water treatment of wastewater plant, drainage of water refining tank and drainage of various industrial wastewater...etc.

■ FEATURES

- 1. Dependable laminated sheet of Si steel is adopted to motor; shaft and rotor are machining precisely to raise stability and efficiency of motor. Motor frame, shaft, screws are made of stainless steel to provide long service life and attractive appearance.
 - 2. Impeller is designed to special water flow, muddy liquid and other various wastewater can be efficiently drained.
 - 3. The product range is up to 15Hp, dual SIC mechanical seals is built in (1½Hp and above).
 - 4. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
 - 5. Superior design to easily disassemble motor and pump housing for maintenance.
- Float switch is available for model under 2Hp.



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Free Passage mm	Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min					
EF-207	1 (0.75)	2"	1 ϕ / 3 ϕ	9	0.2	12	260	210	460	19
EF-307	1 (0.75)	3"	1 ϕ / 3 ϕ	6.5	0.4	12	300	210	460	20
BF-208A	1½ (1.1)	2"	(1 ϕ 220v) / 3 ϕ	10	0.2	15	260	210	480	24
BF-308A	1½ (1.1)	3"	(1 ϕ 220v) / 3 ϕ	8	0.4	20	310	220	500	25
BF-B315	2 (1.5)	3"	(1 ϕ 220v) / 3 ϕ	8	0.5	20	370	220	590/530	41/38
BF-322A	3 (2.2)	3"	3 ϕ	13	0.5	30	440	255	550	49
BF-437A	5 (3.7)	3"/4"	3 ϕ	17	0.5	35	440	255	560	55
BF-355A	7½ (5.5)	3"/4"	3 ϕ	24	0.5	35	470	250	570	60
BF-475A	10 (7.5)	4"	3 ϕ	20	1.0	40	560	310	700	102
BF-4110	15 (11)	4"	3 ϕ	26	1.0	40	560	310	730	110

EF/BF Series P.01

Sewage Pump
1HP~15HP / 2"~4"



BT Series P.11

Engineering/Grinder Pump
2HP~5HP / 1¼"~2"



BAF Series P.02

Non-Clogging Pump
1/2HP~7½ HP / 2"~4"



BOT Series P.12

Engineering/Construction Pump
1/2HP~20HP / 2"~8"



BU Series P.03

High Head Water Pump
1HP~15HP / 1"~4"



BST Series P.13

Sludge Pump
5HP~30HP / 3"~6"



EA/BA Series P.04 P.05

Wastewater Pump
0.2HP~15HP / 1"~4"



BL Series P.14

Large Axial Flow Pump
1/2HP~20HP / 4"~12"



KF Series P.06

Stainless Steel Sewage Pump
1/2HP~15HP / 2"~4"



KL Series P.14

Stainless Steel Axial Flow Pump
1/2HP~1HP / 4"



KA Series P.07

Stainless Steel Wastewater Pump
1/2HP~15HP / 1½"~4"



BLS Series P.15

Large Axial Mix Pump
7½ HP~20HP / 8"~10"



BF-4P Series P.08

Sewage Pump
3HP~30HP
3"~8"



BH+S Series P.16

High Head Dewatering Pump
1½ HP~10HP / 2"~4"



KF-4P Series P.09

Stainless Steel Sewage Pump
3HP~30HP / 3"~8"



BH-4P Series P.17

Dewatering Pump
3HP~15HP / 3"~6"



KOT Series P.10

Stainless Steel Portable Pump
1/6HP / 1"



RP/KP Series P.18

Rotary-Sprinkling Oxygen Aerator
1HP~2HP / 1.0m



KFS Series P.10

Stainless Steel Grinder Pump
7½ HP / 3"



Guide Rail Series P.19

Guide Rail Equipment
2"~8" / 1/2HP~30HP



Non-Clogging Pump

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- **APPLICATIONS:** Drainage of food market, animal husbandry and water refining tank.
Water treatment of wastewater plant, drainage of basement,
food industry and various industrial wastewater...etc.



BAF-204A



BAF-208



BAF-355A



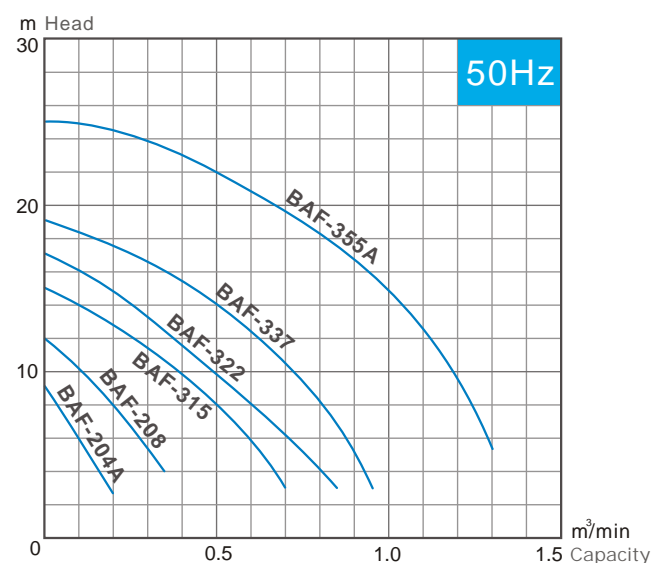
AC Protector



Non-clogging Impeller

■ **FEATURES**

1. AC protector and thermal protector are built-in to prevent motor overheat and overload (except BAF-204A).
 2. Impeller is calibrated in balance test and non-block designed can handle liquid has constant characteristics such as small quantity of impurities and solids in wastewater.
 3. Motor Frame, shaft and screws are made of high strength stainless steel and dual mechanical seals are adopted to provide long service life.
 4. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
- Float switch is available for model under 2Hp.



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Free Passage mm	Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min					
BAF-204A	1/2 (0.4)	2"	1 ϕ	6	0.1	30	220	145	350	10
BAF-208	1½ (1.1)	2"	(1 ϕ 220v)/ 3 ϕ	8	0.2	35	250	170	470	23/21.5
BAF-315	2 (1.5)	3"	(1 ϕ 220v)/ 3 ϕ	8	0.5	40	400	220	590/500	41/37
BAF-322	3 (2.2)	3"	3 ϕ	10	0.5	45	430	250	510	45
BAF-337	5 (3.7)	3"	3 ϕ	14	0.5	55	430	250	530	50
BAF-355A	7½ (5.5)	3"/4"	3 ϕ	22	0.5	55	470	250	550	55

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High Head Water Pump

- **APPLICATIONS:** Asprinkler for grass, garden, horticulture; irrigation for orchard; water spray for roof cleaning; wastewater treatment; drainage of basement and well water, and car wash...etc.



BU-215



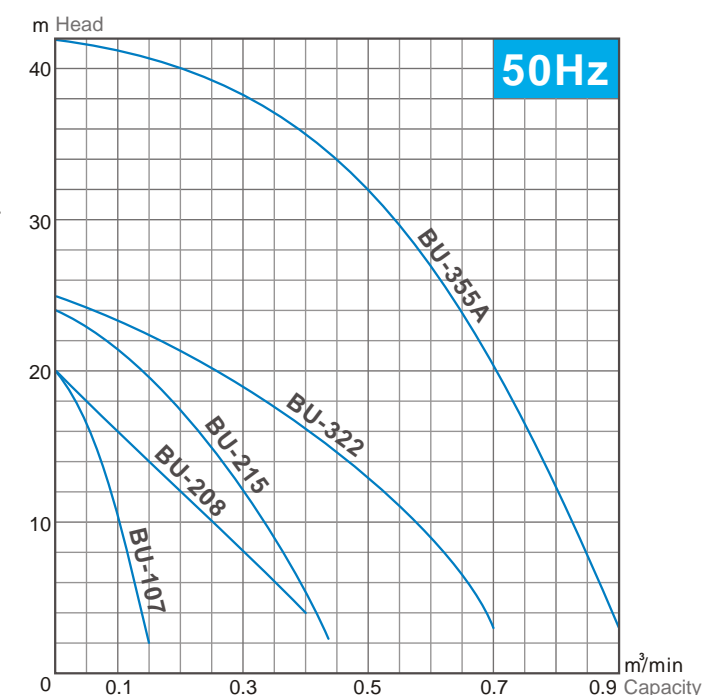
BU-322



BU-355A

■ **FEATURES**

1. Double impeller and pump housing design for BU-107.
 2. Adopted dual mechanical seals provide long time operation.
 3. Impeller is designed to special water flow, and corrosive-resistant and wear-resistant for high-head uses.
 4. Motor frame, shaft, screws are made of stainless steel to make long service life and attractive appearance.
 5. The base of cable is made out of integral plastic to upgrade humidity-resistance.
- Float switch is available for model under 2Hp.



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Pole	Standards		Max Diameter mm	Height mm	Weight kg
					Head m	Capacity m³/min			
BU-107	1 (0.75)	1"	1 ϕ / 3 ϕ	2	17	0.04	240	460	21
BU-208	1½ (1.1)	2"	1 ϕ / 3 ϕ	2	12	0.2	270	450	24
BU-215	2 (1.5)	2"	1 ϕ / 3 ϕ	2	17	0.2	270	580/500	33/30
BU-322	3 (2.2)	3"	3 ϕ	2	19	0.3	430	560	49
BU-355A	7½ (5.5)	3"	3 ϕ	2	32	0.5	470	570	61

Wastewater Pump

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■ **APPLICATIONS:** Drainage of construction site and subway, flood control/prevention of public construction, irrigation, water circulation of aquaculture and landscape pond...etc.



BA-103A



BA-208A



BA-205B

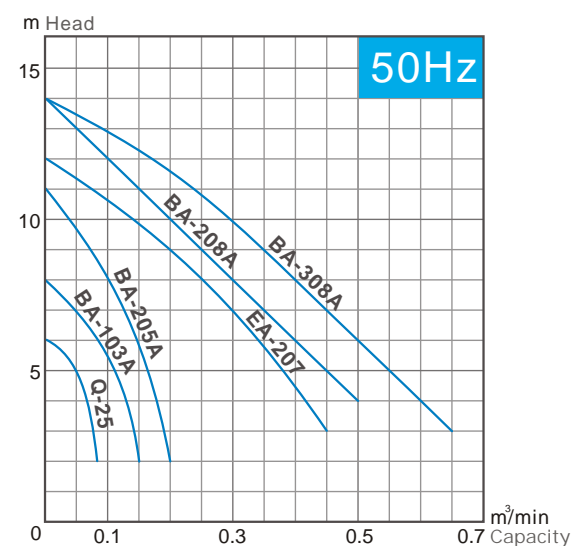


BA-437A

■ FEATURES

1. Mini size, lightweight and superior to same grades of other pumps.
2. Motor Frame, shaft, screws and strainer are made of stainless steel to provide long service life and attractive appearance.
3. Good performance, high water volume and energy saving, high wear-resistant mechanical seal and oil seal are adopted to maintain long time operation.
4. Dependable laminated sheet of Si steel is adopted to motor; shaft and rotor are machining precisely to raise stability and efficiency of motor.
5. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
6. The product range is up to 15Hp, dual SIC mechanical seals is built in (1½Hp and above), and stress eliminating design is adopted (10Hp and above) to raise operating efficiency.
7. Superior design to easily disassemble motor and pump housing for maintenance.

● Float switch is available for model under 2Hp (except BA-205B 3phase).



SPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min				
Q-25	0.2 (0.15)	20/25mm	1 ϕ	5	0.05	165	130	275	7
BA-103A	1/2 (0.4)	1 1/2"	1 ϕ	5.5	0.1	200	140	340	9
BA-205B	1/2 (0.5)	2"	1 ϕ / 3 ϕ	8	0.1	230	160	345	14.5
EA-207	1 (0.75)	2"	1 ϕ / 3 ϕ	9	0.2	250	180	460	19
EA-307	1 (0.75)	3"	1 ϕ / 3 ϕ	6.5	0.4	290	180	460	20
BA-208A	1½ (1.1)	2"	(1 ϕ 220v)/ 3 ϕ	10	0.2	250	180	480	24
BA-308A	1½ (1.1)	3"	(1 ϕ 220v)/ 3 ϕ	8	0.4	310	220	500	25

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Wastewater Pump

■ **APPLICATIONS:** Drainage of construction site and subway, flood control/prevention of public construction, irrigation, water circulation of aquaculture and landscape pond...etc.



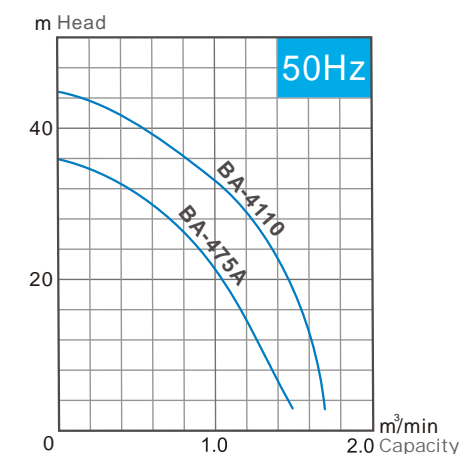
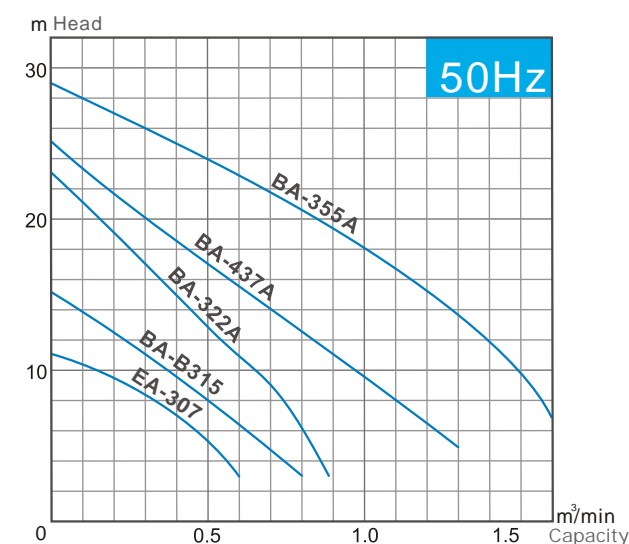
BA-355A



BA-4110



Stress Eliminating Design



SPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min				
BA-B315	2 (1.5)	3"	(1 ϕ 220v)/ 3 ϕ	8	0.5	360	170	570/490	41/37.5
BA-322A	3 (2.2)	3"	3 ϕ	13	0.5	440	255	550	48.5
BA-437A	5 (3.7)	3"/4"	3 ϕ	17	0.5	440	255	560	55
BA-355A	7½ (5.5)	3"/4"	3 ϕ	24	0.5	470	250	570	60
BA-475A	10 (7.5)	4"	3 ϕ	21	1.0	560	310	690	105
BA-4110	15 (11)	4"	3 ϕ	33	1.0	560	310	720	115

Stainless Steel Sewage Pump

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- **APPLICATIONS:** 1. Wastewater treatment of chemical industries, metal industries, dyeing industries, medical industries, pulp and paper industries...etc.
2. Wastewater treatment of hospital and laboratory, animal husbandry and other comprehensive wastewater treatment...etc.

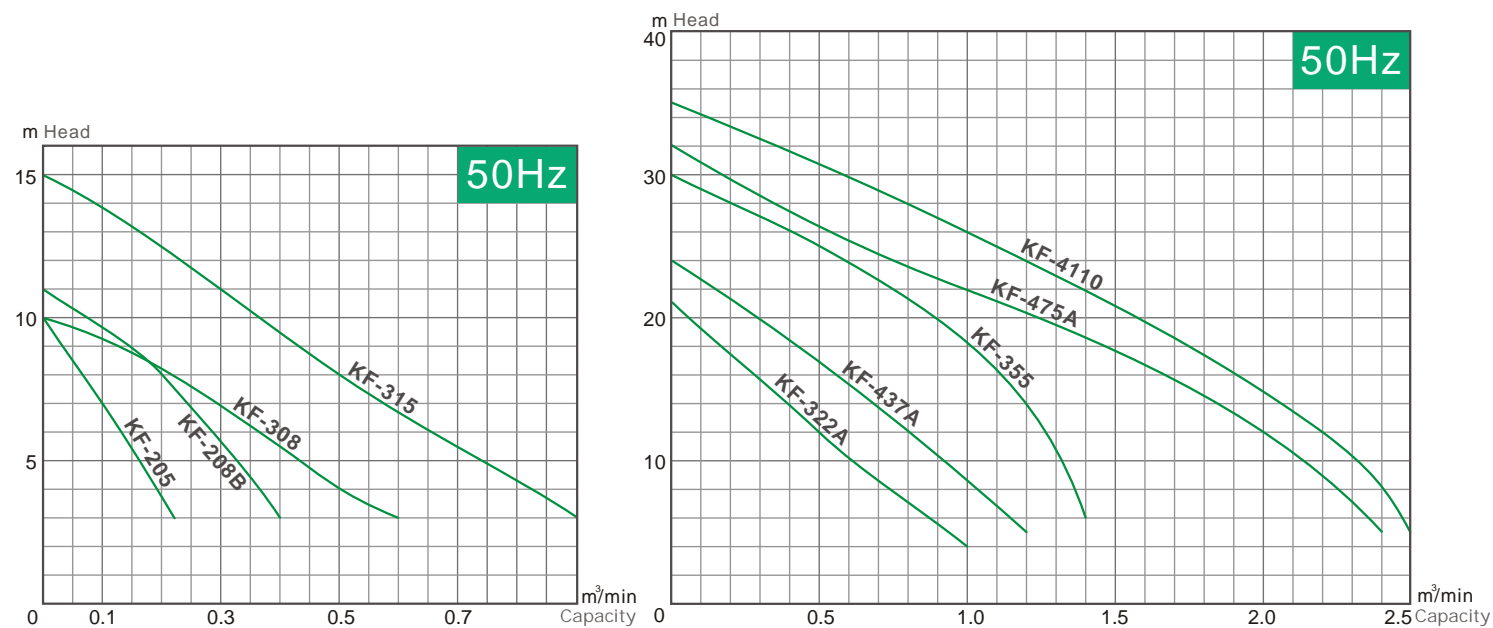
■ **FEATURES**

1. Stainless steel 304/316 materials are adopted for corrosive-resistance.
 2. Chemical-resistant SIC mechanical seal and fluorine gasket are adopted to provide reliable sealing effects for chemical wastewater.
 3. Precision casting method is used and the weight is 25% less than same grades of other pumps.
 4. The base of cable is made out of integral plastic to upgrade humidity-resistance.
 5. Italian techniques and professional design are adopted for water resistance.
 6. The shaft is made of stainless steel and calibrated in dynamic balance for long time operation of bearing.
- Float switch is available for model under 2Hp (except KF-205 3phase).



KF-322A

KF-437A



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min				
KF-205	1/2 (0.5)	2"	1 ϕ / 3 ϕ	7	0.1	230	160	345	14
KF-208B	1 (0.75)	2"	1 ϕ / 3 ϕ	8	0.2	260	210	440	19
KF-308	1½ (1.1)	3"	(1 ϕ 220v) / 3 ϕ	5.5	0.4	300	230	490	22
KF-315	2 (1.5)	3"	(1 ϕ 220v) / 3 ϕ	8	0.5	315	230	565/510	35/31
KF-322A	3 (2.2)	3"	3 ϕ	12	0.5	440	255	550	50
KF-437A	5 (3.7)	3"/4"	3 ϕ	17	0.5	440	255	560	53
KF-355	7½ (5.5)	3"/4"	3 ϕ	25	0.5	470	250	570	60
KF-475A	10 (7.5)	4"	3 ϕ	22	1.0	560	310	700	102
KF-4110	15 (11)	4"	3 ϕ	26	1.0	560	310	730	110

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Stainless Steel Wastewater Pump

- **APPLICATIONS:** 1. Wastewater treatment of chemical industries, metal industries, medical industries...etc.
2. Wastewater treatment of hospital and laboratory, dewatering of rugged construction and other comprehensive wastewater treatment...etc.

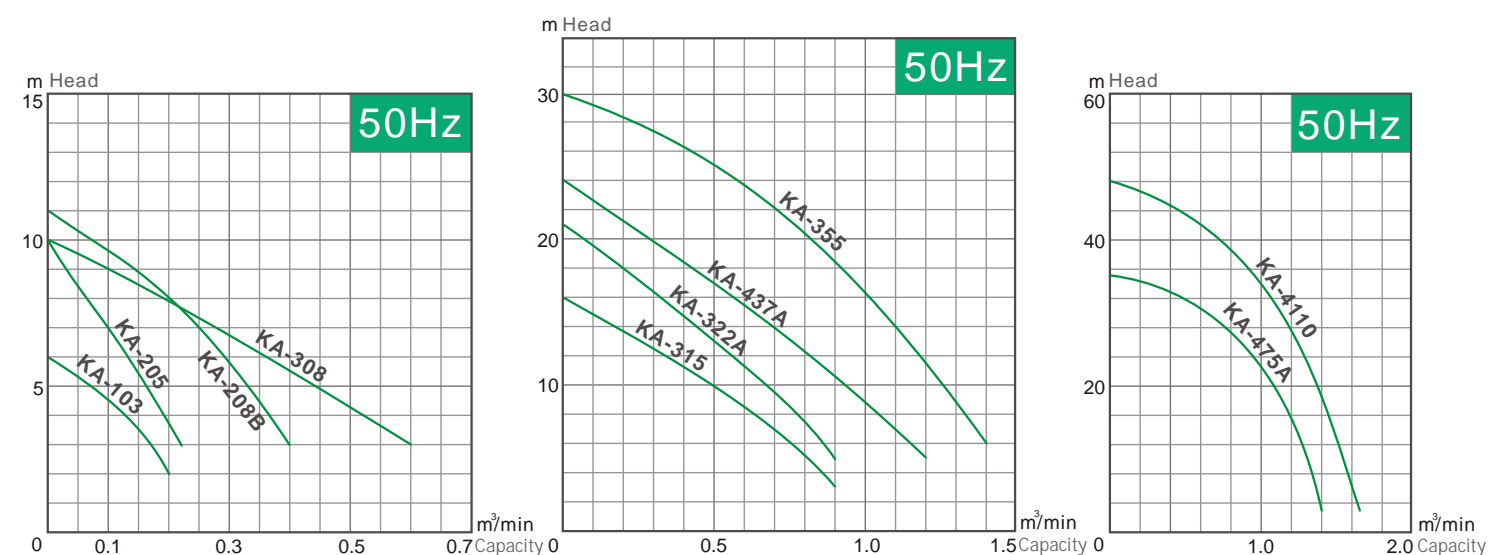
■ **FEATURES**

1. Stainless steel 304/316 materials are adopted for corrosive-resistance.
 2. Chemical-resistant SIC mechanical seal and fluorine gasket are adopted to provide reliable sealing effects for chemical wastewater.
 3. Precision casting method is used and the weight is 25% less than same grades of other pumps.
 4. The base of cable is made out of integral plastic to upgrade humidity-resistance.
 5. Italian techniques and professional design are adopted for water-resistance.
- Float switch is available for model under 2Hp (except KA-205 3phase).



KA-315

KA-103



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min				
KA-103	1/2 (0.4)	1 1/2"	1 ϕ	4.5	0.1	200	150	290	10
KA-205	1/2 (0.5)	2"	1 ϕ / 3 ϕ	7	0.1	230	160	345	14
KA-208B	1 (0.75)	2"	1 ϕ / 3 ϕ	8	0.2	250	180	440	18
KA-308	1½ (1.1)	3"	(1 ϕ 220v) / 3 ϕ	5.5	0.4	300	180	480	22
KA-315	2 (1.5)	3"	(1 ϕ 220v) / 3 ϕ	10	0.5	300	200	580/480	35/30
KA-322A	3 (2.2)	3"	3 ϕ	13	0.5	430	255	550	49
KA-437A	5 (3.7)	3"/4"	3 ϕ	17	0.5	430	255	560	55
KA-355	7½ (5.5)	3"/4"	3 ϕ	25	0.5	470	250	570	60
KA-475A	10 (7.5)	4"	3 ϕ	23	1.0	560	310	690	105
KA-4110	15 (11)	4"	3 ϕ	34	1.0	560	310	720	115

Sewage Pump

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■ APPLICATIONS:

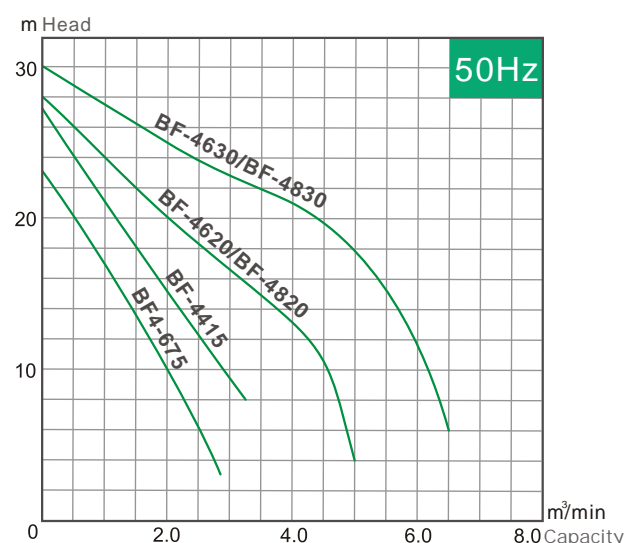
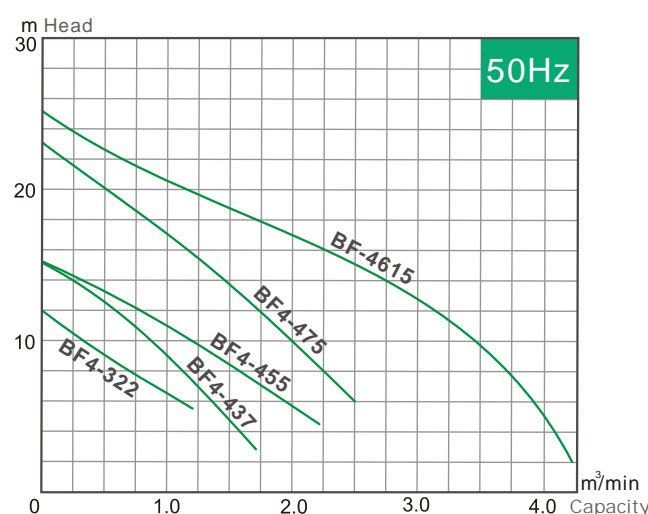
Drainage of food market, animal husbandry and water refining tank.
Water treatment of wastewater plant, drainage of basement, food industries, leather industries, pulp and paper industries, dyeing industries, and various industrial wastewater...etc.



BF-4620

■ FEATURES

1. High efficient motor is adopted, shaft and rotor are machining precisely to raise stability. Serious quality control and high class of insulation are provided for long time operation and service life.
2. Overload protector is available (option).
3. Dependable dual mechanical seals are adopted for high wear and heat resistance, and to maintain long life.
4. Impeller is designed for special water flow and big capacity of pump housing to meet dependable performance, and high efficiency for various wastewater.
5. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.



SEPECIFICATIONS

4P-1500RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Start Method	Standards		Free Passage mm	Length mm	Width mm	Height mm	Weight kg
					Head m	Capacity m³/min					
BF4-322	3 (2.2)	3"	3 ϕ	Direct	9	0.5	40	560	310	620	80
BF4-437	5 (3.7)	4"	3 ϕ	Direct	9	1.0	40	560	310	680	86
BF4-455	7½ (5.5)	4"	3 ϕ	Direct	11	1.0	40	600	360	710	108
BF4-475	10 (7.5)	4"	3 ϕ	Direct	17	1.0	40	730	430	820	154
BF4-675	10 (7.5)	6"	3 ϕ	Direct	10	2.0	45	780	480	820	184
BF-4415	15 (11)	4"	3 ϕ	Y- Δ	21	1.0	45	730	430	900	200
BF-4615	15 (11)	6"	3 ϕ	Y- Δ	17	2.0	50	940	480	950	250
BF-4620	20 (15)	6"	3 ϕ	Y- Δ	20	2.0	55	940	480	950	250
BF-4820	20 (15)	8"	3 ϕ	Y- Δ	13	4.0	60	950	480	950	270
BF-4630	30 (22)	6"	3 ϕ	Y- Δ	25	2.0	55	950	480	990	290
BF-4830	30 (22)	8"	3 ϕ	Y- Δ	21	4.0	60	950	480	990	300

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Stainless Steel Sewage Pump



Exclusive Use in High-Technology electronic industries.

■ APPLICATIONS:

1. Drainage of food market, animal husbandry and water refining tank.
Water treatment of wastewater plant, drainage of basement, food industries, leather industries, pulp and paper industries, dyeing industries, steel industries, and various industrial wastewater...etc.
2. Wastewater treatment of chemical industries, medical industries, hospital, laboratory and other comprehensive wastewater treatment...etc.



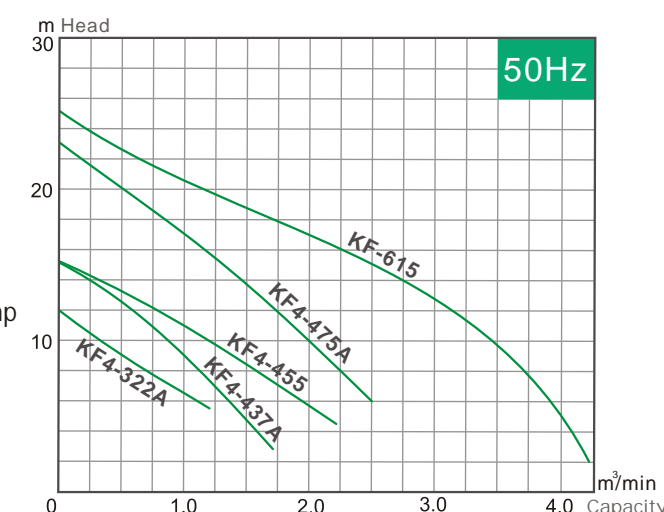
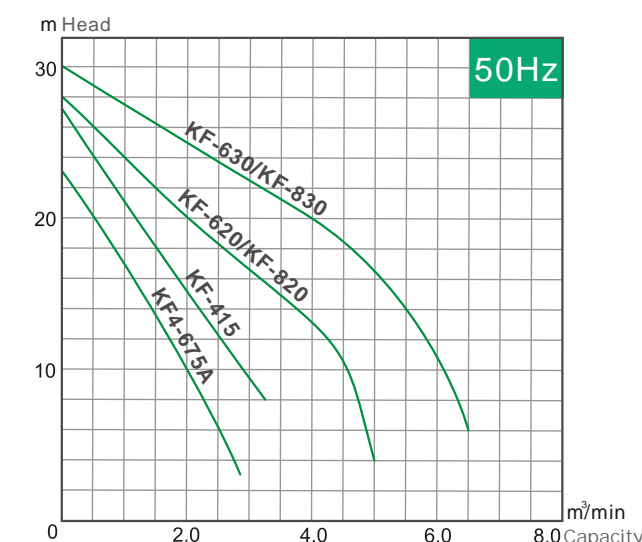
KF4-437A



KF-830

■ FEATURES

1. Stainless Steel 316 materials are adopted for corrosive-resistance.
2. High efficient motor is adopted, shaft and rotor are machining precisely to raise stability. Serious quality control and high class of insulation are provided for long time operation and service life.
3. Dependable dual mechanical seals are adopted for high wear and heat resistance, and to maintain long life.
4. Impeller is designed for special water flow and big capacity of pump housing to meet dependable performance, and high efficiency for various wastewater.
5. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
6. Overload protector is available (option).



SEPECIFICATIONS

4P-1500RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Start Method	Standards		Free Passage mm	Length mm	Width mm	Height mm	Weight kg
					Head m	Capacity m³/min					
KF4-322A	3 (2.2)	3"	3 ϕ	Direct	9	0.5	40	560	300	580	80
KF4-437A	5 (3.7)	4"	3 ϕ	Direct	9	1.0	40	560	300	650	86
KF4-455	7½ (5.5)	4"	3 ϕ	Direct	11	1.0	30	600	360	710	108
KF4-475A	10 (7.5)	4"	3 ϕ	Direct	17	1.0	40	720	430	730	154
KF4-675A	10 (7.5)	6"	3 ϕ	Direct	10	2.0	45	770	430	730	184
KF-415	15 (11)	4"	3 ϕ	Y- Δ	21	1.0	45	730	430	900	200
KF-615	15 (11)	6"	3 ϕ	Y- Δ	17	2.0	45	940	480	950	235
KF-620	20 (15)	6"	3 ϕ	Y- Δ	20	2.0	55	940	480	950	245
KF-820	20 (15)	8"	3 ϕ	Y- Δ	13	4.0	60	950	480	990	270
KF-630	30 (22)	6"	3 ϕ	Y- Δ	25	2.0	55	940	480	1000	280
KF-830	30 (22)	8"	3 ϕ	Y- Δ	20	4.0	60	950	480	1000	300

Stainless Steel Portable Pump

SONHO



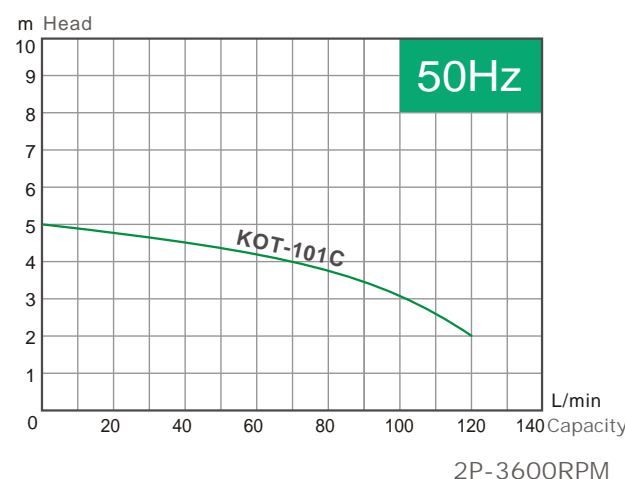
KOT-101C

■ FEATURES

1. Corrosive-resistant stainless steel 304 materials are adopted, attractive appearance, no second pollution caused.
2. Chemical-resistant SIC mechanical seal and fluorine gasket are adopted to provide reliable sealing effects for chemical wastewater.
3. Light weight, pump casing is made of stainless steel and formed by stamping.
4. The base of cable is made out of integral plastic to upgrade humidity-resistance.
5. Shaft is made of stainless steel and calibrated in balance test to raise long service life of bearing.
6. Overload protector is built-in for protection of motor and raise long service life.

■ APPLICATIONS:

1. Water circulation of fishing pond, water removal of aqua farm and cold spring.
2. Fountain pool, landscape pond.
3. Car wash and big vehicle wash, maintenance of cooling tower.
4. Drainage of basement and construction site.
5. Wastewater treatment of chemical industries, medical industries and hospitals.



2P-3600RPM

Model	Output Hp	Discharge inch	Phase ϕ	Standards		Max Diameter mm	Height mm	Weight kg
				Head m	Capacity L/min			
KOT-101C	1/6	1"	1 ϕ	4.0	70	145	290	6

Stainless Steel Grinder Pump



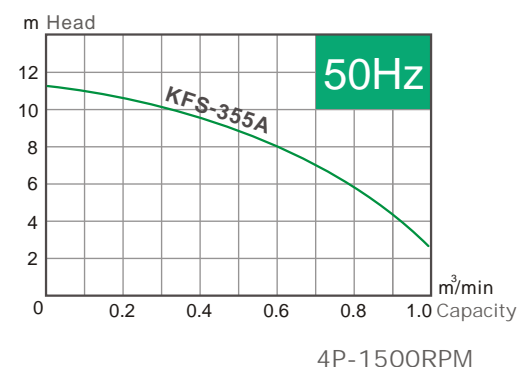
KFS-355A

■ FEATURES

1. Powerful grinding and shredding effects to simply handle hard pieces, large object.
2. Discharge valve is designed for simply clean pump housing and convenient maintenance.
3. Stainless steel 316 materials are adopted for corrosive-resistance.
4. Chemical-resistant SIC mechanical seal and fluorine gasket are adopted to provide reliable sealing effects for acidic wastewater.
5. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
6. Stainless steel shaft and rotor are machining precisely to raise stability and efficiency of motor.

■ APPLICATIONS:

1. Pigswill and kitchen waste for pigs feeding.
2. Wastewater treatment of kitchen wastes, such as bones; and animal husbandry, such as animal feed.
3. Wood pieces and other hard pieces in wastewater.



4P-1500RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Free Passage mm	Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min					
KFS-355A	7½ (5.5)	3"	3 ϕ	8	0.6	30	450	300	710	84

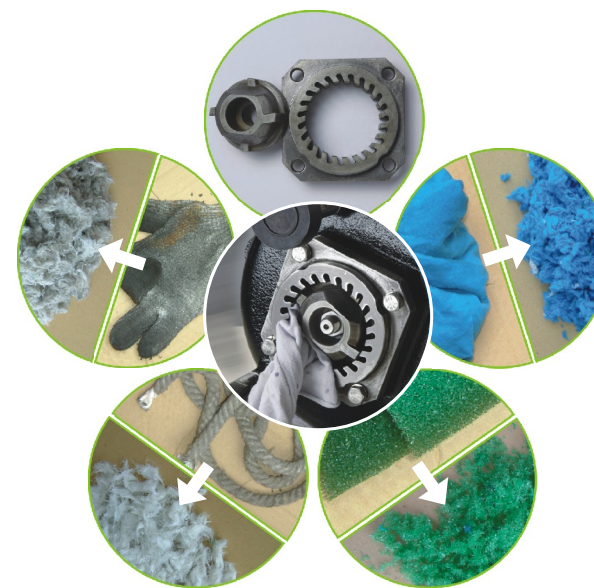
SONHO

Grinder Pump



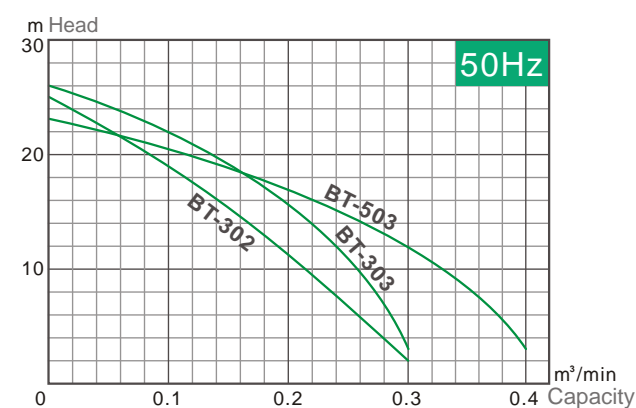
■ APPLICATIONS

Pumping of residential wastewater from toilets, bathtubs, and washing machines; drainage of subway/tunnel, wastewater treatment of public laundry, textile industries and other industries.



■ FEATURES

1. Grinding and shredding effects are applied to raise operating efficiency and able to handle soft solids in suspension or organic wastes in water.
2. Portable, non-clogging design and high wear-resistance are applied to grinding ring and shredding ring.
3. Dependable mechanical seal and o-ring are adopted to maintain long time operation and high precision is applied to raise stability and efficiency of motors.
4. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
5. Motor frame, shaft, screws are made of stainless steel to make long service life.



BT-302

BT-503

SPECIFICATIONS

2P-3000RPM

Model	Output Hp(kW)	Discharge inch	Phase ϕ	Standards		Length mm	Width mm	Height mm	Weight kg
				Head m	Capacity m³/min				
BT-302	2 (1.5)	1 ¼"	1 ϕ / 3 ϕ	19	0.1	300	210	560/470	36/33
BT-303	3 (2.2)	1 ¼"	3 ϕ	22	0.1	300	210	520	37
BT-503	3 (2.2)	2"	3 ϕ	17	0.2	300	210	520	38

Engineering/Construction Pump

SONHO

■ APPLICATIONS: Drainage of construction site; drainage of subway/tunnel; wastewater treatment of ironworks; mobile use for drainage of public facilities; removal of sludge at harbor/river; any other wastewater treatment of industries...etc.

■ FEATURES

1. Dry-type model with overload protector is built-in to protect motor from overheat and overload.
2. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
3. Motor frame and casing are made of stainless steel and water-cooling jacket design increases efficiency of heat diffusion.
4. Stainless steel shaft is calibrated in dynamic balance test. Dual mechanical seal SIC/SIC are fitted and dual oil seals design raises effects of dust-proof.
5. Impeller and agitator are made of high chrome alloy steel (HCR, 2Hp above), high wear resistance, and calibrated by dynamic balance test.
6. Pump housing and stress eliminating plate are made of wear-resistant and malleable cast iron, and stress eliminating design is adopted between pump housing and mechanical seal lid to reduce flow stress.



BOT-211

BOT-254A

BOT-2154



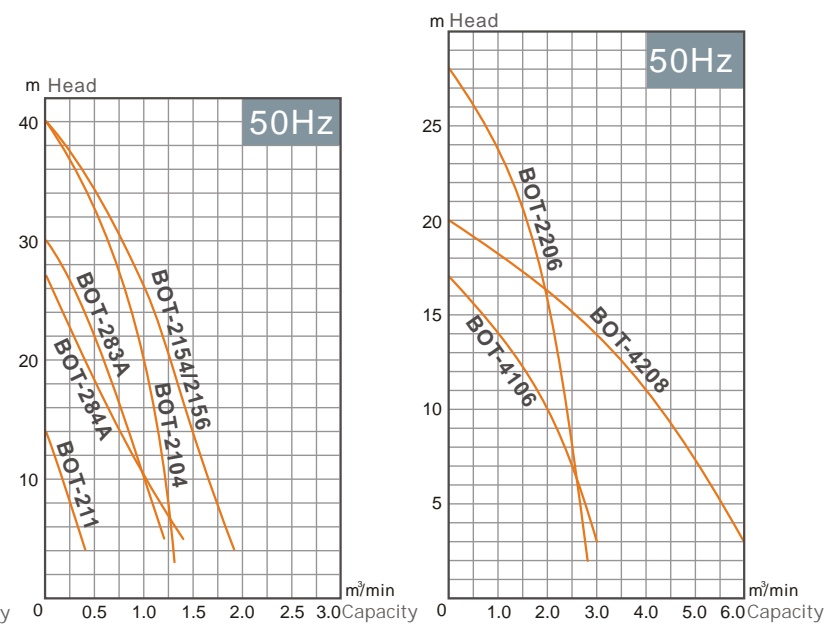
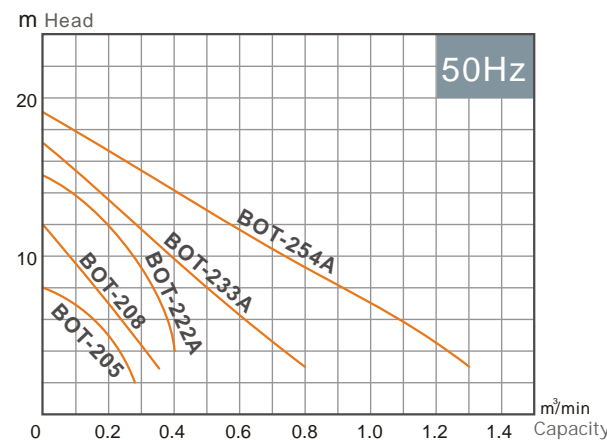
Pump Housing



Agitator



AC Protector



SEPECIFICATIONS

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Pole	Standards		Free Passage mm	Max Diameter mm	Height mm	Weight kg
					Head m	Capacity m ³ /min				
BOT-205	1/2 (0.5)	2"	1 ϕ / 3 ϕ	2	5	0.2	7	180	410	18
BOT-208	1 (0.75)	2"	1 ϕ / 3 ϕ	2	7	0.2	7	180	475	25
BOT-211	1½ (1.1)	2"	(1 ϕ 220v) / 3 ϕ	2	9	0.2	7	180	490	27
BOT-222A	3 (2.2)	2"	(1 ϕ 220v) / 3 ϕ	2	12	0.2	10	230	680/665	54
BOT-233A	3 (2.2)	3"	(1 ϕ 220v) / 3 ϕ	2	8	0.5	10	230	680/695	55
BOT-254A	5 (3.7)	3"/4"	3 ϕ	2	7	1.0	10	230	720	60
BOT-283A	7½ (5.5)	3"	3 ϕ	2	22	0.5	10	310	720	76
BOT-284A	7½ (5.5)	4"	3 ϕ	2	10	1.0	10	310	720	76
BOT-2104	10 (7.5)	4"	3 ϕ	2	20	1.0	10	380	840	110
BOT-4106	10 (7.5)	6"	3 ϕ	4	10	2.0	25	380	840	115
BOT-2154	15 (11)	4"	3 ϕ	2	26	1.0	10	330	860	115
BOT-2156	15 (11)	6"	3 ϕ	2	13	1.6	25	380	860	120
BOT-2206	20 (15)	6"	3 ϕ / 380v UP	2	16	2.0	15	380	970	135
BOT-4208	20 (15)	8"	3 ϕ	4	11	4.0	25	430	1090	180

4P-1500RPM / 2P-3000RPM

SONHO

Sludge Pump

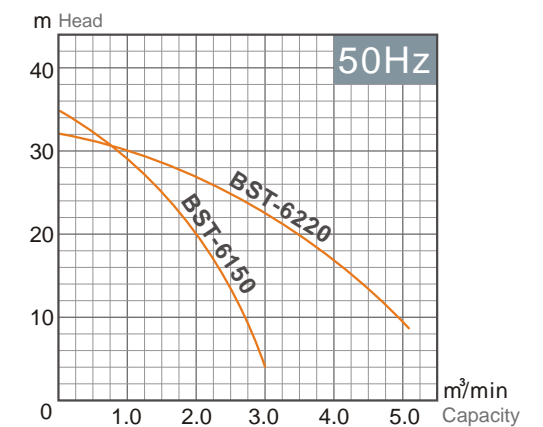
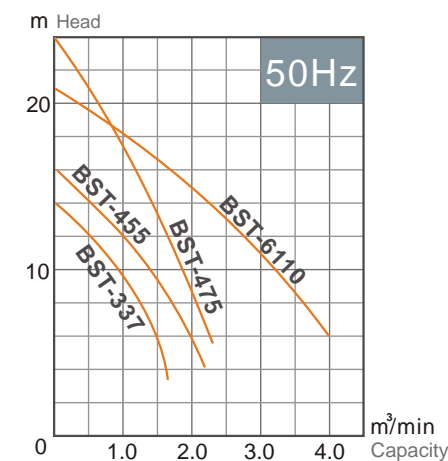
■ APPLICATIONS: Harbor, river, construction, sludge and sand drainage. Civil engineering, subway, wastewater drainage of building construction. Concrete, cement factory and wastewater of kiln. Processing center and treatment of industrial wastewater.

■ FEATURES

1. Dry motors design and with overload protector is built-in to protect motor from overheat and overload.
2. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
3. Motor frame and casing are both made of stainless steel, and water-cooling jacket is designed for high efficiency of heat diffusion.
4. Stainless steel shaft is calibrated by dynamic balance test. Dual mechanical seal SIC/SIC are installed and dual oil seals are designed to raise dust-proof.
5. Impeller and agitator are both made of high chrome alloy steel (HCR) which produces high wear-resistance; and calibrated by dynamic balance test.
6. Pump housing and stress eliminating plate are both made by high wear-resisting cast iron; an innovative design of pump housing and mechanical seal lid to reduce flow stress.



BST-6110



SEPECIFICATIONS

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Free Passage mm	Max Diameter mm	Height mm	Weight kg
				Head m	Capacity m ³ /min				
BST-337	5 (3.7)	3"	3 ϕ	10	0.9	22	420	820	110
BST-455	7½ (5.5)	4"	3 ϕ	12	1.0	25	420	820	120
BST-475	10 (7.5)	4"	3 ϕ	17	1.0	35	420	840	130
BST-6110	15 (11)	6"	3 ϕ	15	2.0	35	570	1100	240
BST-6150	20 (15)	6"	3 ϕ	20	2.0	35	565	1100	265
BST-6220	30 (22)	6"	3 ϕ	27	2.0	35	578	1325	410

4P-1500RPM

Large Axial Flow Pump

SONHO

■ APPLICATIONS: Agriculture irrigation, drainage of fishing pond, aqua farm, subway, and large flow capacity in industries, flood control...etc.

*Below head of 5 meters is applicable.



BL-855



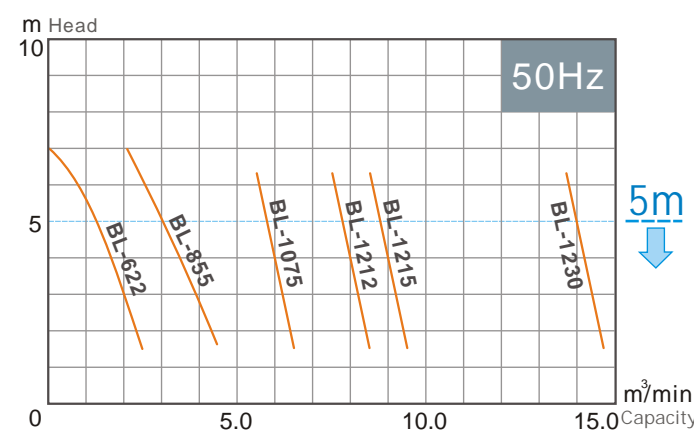
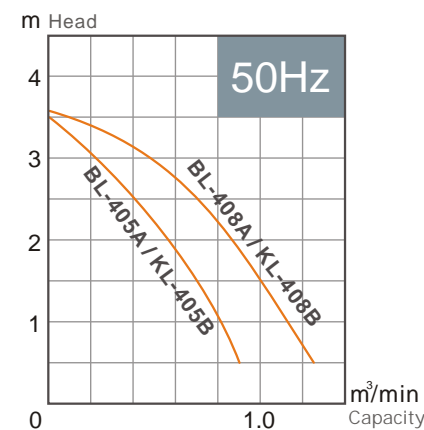
BL-622



KL-408B

■ FEATURES

1. Axial flow design to meet large flow capacity, energy saving and easy installation.
2. Easy to operate, no need to use high voltage power supply and less vibration and noise caused.
3. Pump body and motor frame/casing are made of alloy copper and stainless steel to raise durability and wear-resistance.
4. Dual mechanical seals are adopted for higher wear-resistance in seawater, muddy liquid and wastewater.
5. Pump outer casing, motor frame and shaft are made of stainless steel. High precise screwing positions are designed to easy disassemble and maintenance.
6. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
7. Economical types (cast-iron made) are available for customized requirements.



SPECIFICATIONS

4P-1500RPM / 2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Pole	Standards		Max Diameter mm	Height mm	Weight kg
					Head m	Capacity m³/min			
BL-405A	1/2 (0.5)	4"	1 ϕ / 3 ϕ	2	1.5	0.7	240	470	28
KL-405B	1/2 (0.5)	4"	1 ϕ / 3 ϕ	2	1.5	0.7	240	470	28
BL-408A	1 (0.75)	4"	(1 ϕ 220v) / 3 ϕ	2	1.5	1.0	240	490	28
KL-408B	1 (0.75)	4"	(1 ϕ 220v) / 3 ϕ	2	1.5	1.0	240	490	28
BL-622	3 (2.2)	6"	3 ϕ	4	3	2.0	290	740	70
BL-855	7 1/2 (5.5)	8"	3 ϕ	4	4	3.5	340	920	120
BL-1075	10 (7.5)	10"	3 ϕ	4	4	6.0	370	1000	180
BL-1212	16 (12)	12"	3 ϕ	4	4	8.0	430	1080	225
BL-1215	20 (15)	12"	3 ϕ	4	4	9.0	430	1100	236
BL-1230	30 (22)	12"	3 ϕ (Y- Δ)	4	5	14.0	650	1300	386

SONHO

Large Axial Mix Pump

■ APPLICATIONS: 1. Pumping Station.

2. Agriculture irrigation, drainage of fishing pond, aqua farm, subway and large flow capacity in industries, flood control...etc.

*Above head of 5 meters is applicable.



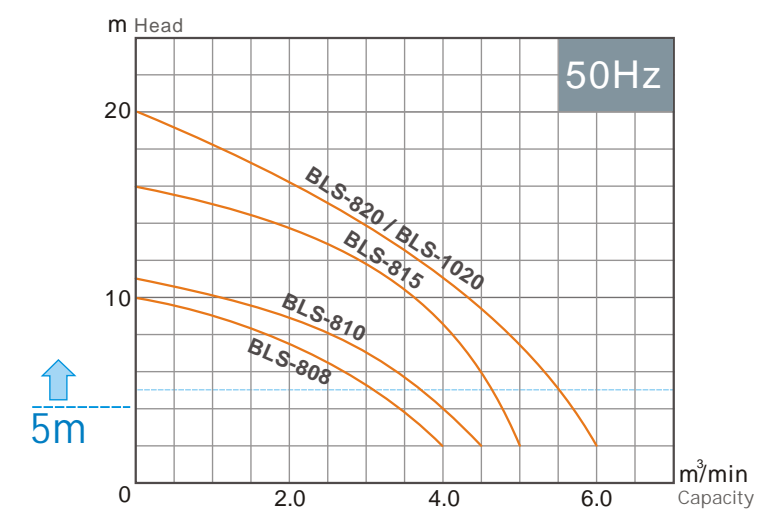
BLS-815



BLS-808

■ FEATURES

1. Motor frame and casing are made of stainless steel and water-cooling jacket design increases efficiency of heat diffusion.
2. Stainless steel shaft is calibrated in dynamic balance test. Dual mechanical seal SIC/SIC are fitted and dual oil seals design raises effects of dust-proof.
3. Mix flow design to meet large flow capacity, energy saving and easy installation.
4. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
5. BLS is the range for particular purpose of pumping station, and for both two uses of water delivery and extraction.



SPECIFICATIONS

4P-1800RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Max Diameter mm	Height mm	Weight kg
				Head m	Capacity m³/min			
BLS-808	7 1/2 (5.5)	8"	3 ϕ	5.5	2.8	330	920	110
BLS-810	10 (7.5)	8"	3 ϕ	7	3.0	380	950	140
BLS-815	15 (11)	8"	3 ϕ	8.5	4.0	380	970	170
BLS-820	20 (15)	8"	3 ϕ	11	4.0	430	1010	180
BLS-1020	20 (15)	10"	3 ϕ	11	4.0	430	1010	185

High Head Dewatering Pump

SONHO

APPLICATIONS: Lifting of well water and underground water, aqua farm, agriculture irrigation, hydraulic engineering and drainage of subway...etc.
***Above head of 15 meters is applicable.**

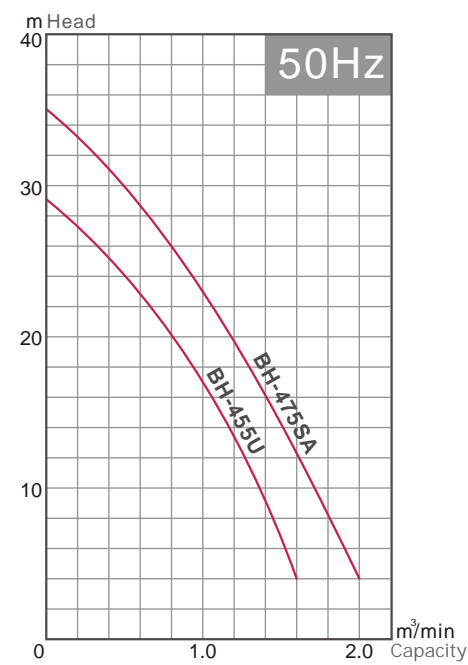
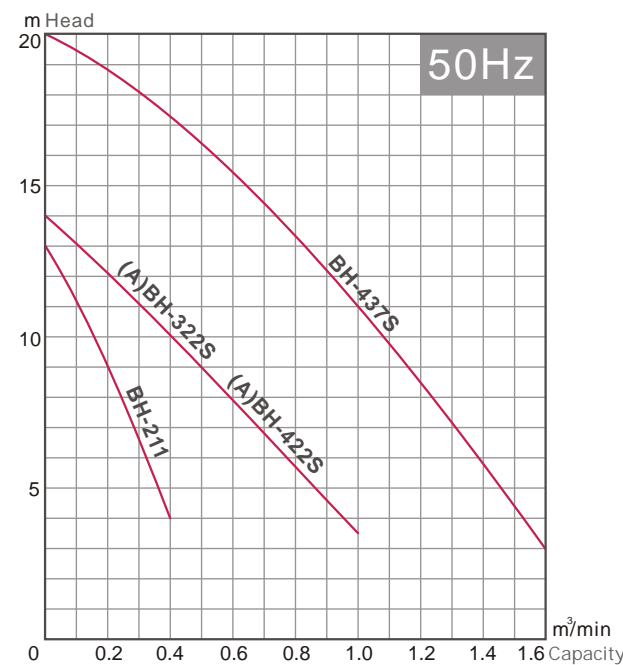


BH-211

(A)BH-322S

■ FEATURES

1. Two features (Water delivery and extraction) in one design can be applied as a landed water pump by removing strainer and connecting a check valve.
2. Water-cooling jacket design prevents overheat after long time operation, and impeller is designed regards to slicing concept for high water volume and high head.
3. Special high head design can be to high head above 15 meters.
4. Adopted dual SIC mechanical seal (3Hp and above).
5. Check valve is available (option).
6. Motor frame and outer cover are made of stainless steel.



SEPECIFICATIONS

2P-3000RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Max Diameter mm	Height mm	Weight kg
				Head m	Capacity m³/min			
BH-211	1½ (1.1)	2"	1 ϕ / 3 ϕ	9	0.2	180	490	28
BH-322S	3 (2.2)	3"	1 ϕ / 3 ϕ	9	0.5	245	530	45
ABH-322S	3 (2.2)	3"	1 ϕ / 3 ϕ	9	0.5	245	530	45
BH-422S	3 (2.2)	4"	1 ϕ / 3 ϕ	9	0.5	245	530	45
ABH-422S	3 (2.2)	4"	1 ϕ / 3 ϕ	9	0.5	245	530	45
BH-437S	5 (3.7)	4"	3 ϕ	11	1.0	270	680	65
BH-455U	7½ (5.5)	4"	3 ϕ	17	1.0	270	680	70
BH-475SA	10 (7.5)	4"	3 ϕ	23	1.0	380	840	90

SONHO

Dewatering Pump

APPLICATIONS: Lifting of water and underground water, aqua farm, agriculture irrigation, hydraulic engineering and drainage of subway...etc.
***Below head of 15 meters is applicable.**

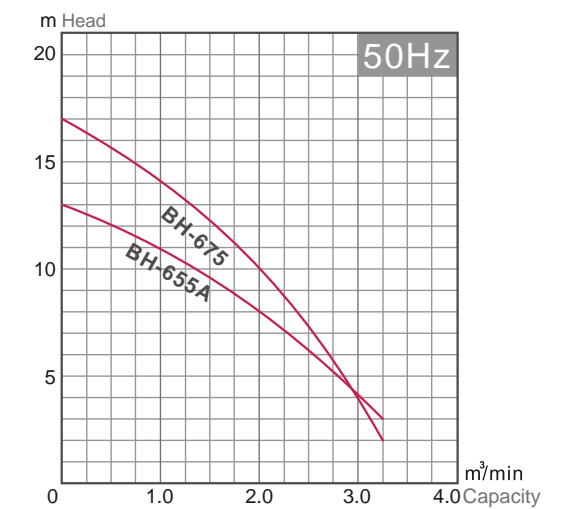
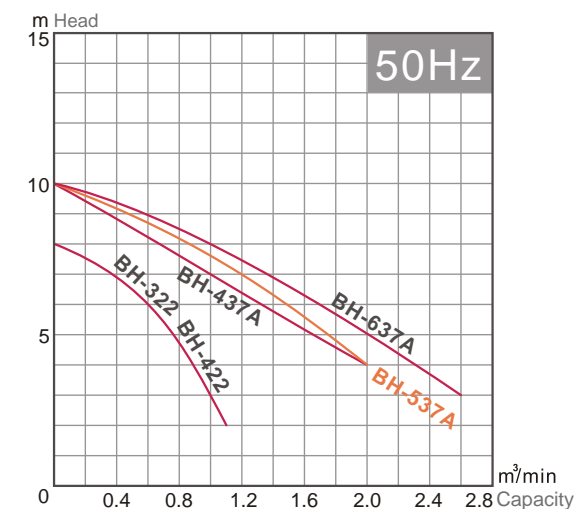


BH-422

BH-437A

■ FEATURES

1. Two features (Water delivery and extraction) in one design can be applied as a landed water pump by removing strainer and connecting a check valve.
2. Water-cooling jacket design prevents overheat after long time operation, and impeller is designed regards to slicing concept for high water volume.
3. Motor frame and outer cover are made of stainless steel.



SEPECIFICATIONS

4P-1500RPM

Model	Output Hp (kW)	Discharge inch	Phase ϕ	Standards		Max Diameter mm	Height mm	Weight kg
				Head m	Capacity m³/min			
BH-322	3 (2.2)	3"	3 ϕ	6	0.6	245	530	45
BH-422	3 (2.2)	4"	3 ϕ	6	0.6	245	530	45
BH-437A	5 (3.7)	4"	3 ϕ	7	1.0	270	680	70
BH-537A	5 (3.7)	5"	3 ϕ	7	1.2	270	680	70
BH-637A	5 (3.7)	6"	3 ϕ	5	2.0	290	815	75
BH-655A	7½ (5.5)	6"	3 ϕ	8	2.0	290	920	85
BH-675	10 (7.5)	6"	3 ϕ	10	2.0	380	970	122

New Patent



■ FEATURES

1. Low power consumption, time saving and space saving for installation, portable and light weight design.
2. Creating capacity up to 1.0m³/min for excellent water circulation within water surface and bottom. The depth of water inlet is adjustable.
3. New patent rotary sprinkling produces fine water splash to higher and more extensive area, cover up to 6m diameter; and dissolve pure oxygen efficiently.
4. High efficient dry motor and overload protector are adopted.
5. Axial-flow design produces large flow capacity.
6. Dual SIC mechanical seals are adopted for high wear-resistance and durability.
7. Motor frame is made of stainless steel; cast iron parts are painted with epoxy paint and baked in 180 degree to prevent rustiness.
8. No tool kits are required. Installation is easily accomplished within 1 min, and maintenance is simple with low costs.
9. The aerator is designed with multi-functions and can be individually used as a dewatering pump for landscaping.

Introductions of Accessories



Rotary sprinkling plate Fixed sprinkling plate



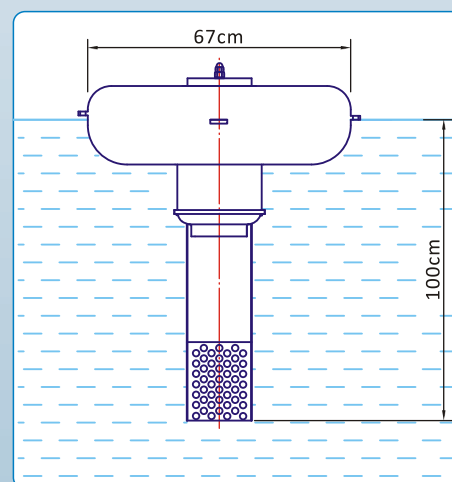
Pump

KP-409

RP-416



3 piece coupled floater



Extended tube for water inlet is available (customised)

SEPECIFICATIONS

Model	Output Hp(KW)	Voltage	Capacity m ³ /min	Material	Weight kg	CAPACITY/20' CNTR
RP-409	1 (0.75)	(1 ϕ 220v)/ 3 ϕ	1.0	SUS+FC	30	280
RP-416	2 (1.5)	3 ϕ 200~460V	1.0	SUS+FC	38	200
KP-409	1 (0.75)	(1 ϕ 220v)/ 3 ϕ	1.0	SUS	30	280

APPLICATIONS: Pre-installation in below locations and immediate operating will be helpful to prevent important areas from flooding.

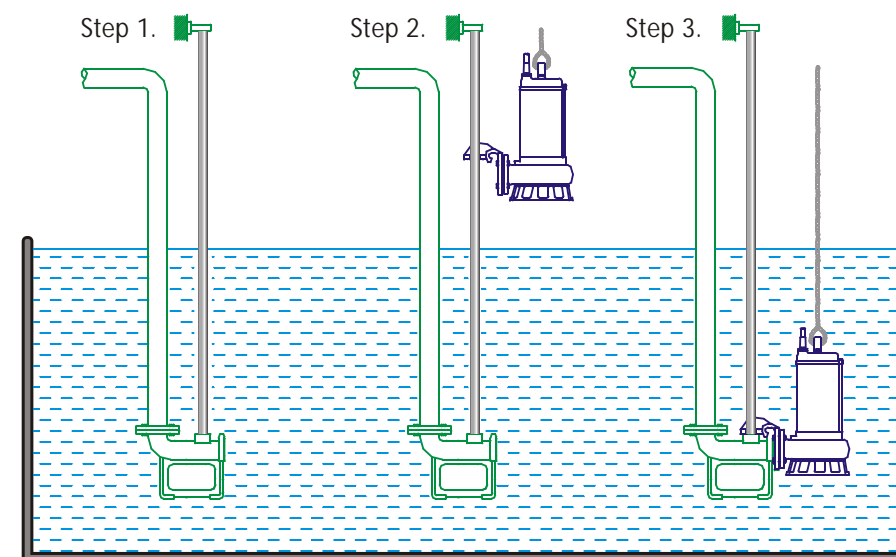
- A. Public construction sites, such as tunnel and subway.
- B. Basement of buildings, to avoid damages/losses of property.
- C. Industries, to avoid damages of valuable equipment's and working spaces.

■ FEATURES

1. Discharges of guide rails are sized to 2", 3", 4", 6", 8" and suits to most of ranges.
2. Materials of guide rail are FT series/cast iron and KFT/stainless steel.
3. Convenient installation and removal by slide up/down the pump.

■ INSTALLING STEPS

- Step 1. connect a tube with mounting base, and make the base and upper guide rail positioning bracket fixed.
- Step 2. lift down the pump by guiding elbow and pulling chains.
- Step 3. steadily locate the pump to engage the base.



BF-B315 & Guide Rail FT-80B



KF4-455 & Guide Rail KFT-100A

Model	Discharge (inch)	Fitted Pump (Hp)	Guide Rail (inch)	Material of System
FT-50	2"	½Hp~1½Hp	1"	Cast Iron
FT-80A	3"	2Hp~5Hp	1½"	Cast Iron
FT-80B	3"	2Hp~5Hp	1½"	Cast Iron
FT-100A	4"	7½Hp~15Hp	1½"	Cast Iron
FT-100B	4"	5Hp~7½Hp	1½"	Cast Iron
FT-150A (With additional elbow)	6"	10Hp~30Hp	1½"	Cast Iron
FT-150B	6"	10Hp~30Hp	1½"	Cast Iron
FT-200 (With additional elbow)	8"	20Hp~30Hp	1½"	Cast Iron
KFT-50	2"	½Hp~1Hp	1"	SUS 304
KFT-80A	3"	2Hp~5Hp	1½"	SUS 304
KFT-100A	4"	7½Hp~15Hp	1½"	SUS 304
KFT-150A (With additional elbow)	6"	10Hp~30Hp	1½"	SUS 316
KFT-150B	6"	10Hp~30Hp	1½"	SUS 316
KFT-200 (With additional elbow)	8"	20Hp~30Hp	1½"	SUS 316

■ Accessories

1. Mounting base
2. Pump adapter
3. Upper guide rail positioning bracket
4. Stainless steel chains

Note: Guide rails and pipe are not furnished.