



SINCE 1976

修附電機



ISO 9001
BSMI

標檢局

ISO-9001/CNS 12681

SHOWFOU PUMP

SS/SSA Submersible Sewage Pump
-- equipped with ceramic carbon mechanical seal
SST/STA Submersible Sewage Pump
-- equipped with silicon carbide mechanical seal
SSM/SMA Submersible Vortex Pump



SSM
1/2HP~15HP



SMA
1/2HP&1HP

SS/SSA

污物幫浦

SST/STA

污物幫浦

(配備矽碳軸封)

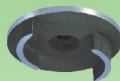
SSM/SMA

特殊污物用幫浦

SS
1/2HP~15HP



SSA 1/2HP&1HP



SST
1HP~15HP



STA 1HP

修附電機股份有限公司 SHOWFOU ELECTRIC MACHINE CO., LTD.

CAT. NO.: C0315-8

SHOWFOU Submersible Sewage Pumps

Advanced "Shredder Mechanism"

Unique "Epoxy Cable Sealing Base" to ensure 100% capability to block the water vapor into the motor from outside.

Triplex Seal System - Double Mechanical Seal plus Oil Seal

SS / SSA / SST / STA

■ FEATURES:

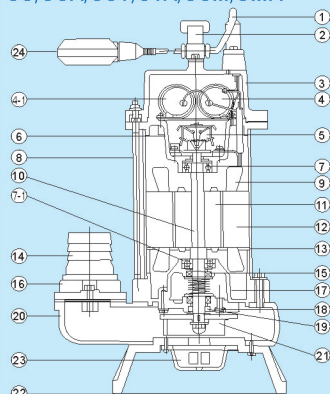
- **Impeller :**
Hydrodynamically well-balanced dual blade semi-open non-clogging type.
- **Mechanical Seal :**
Oil-bath type, double mechanical seal & oil seal offers which ensure a longer pump life.
- **Shredder Mechanism :**
Surface hardening heat treatment is done on impeller vanes and cutting edges on impeller cover, both of which are the main components of shredder mechanism.
- **Compact and Light-Weight :**
Designed to be light, so easy to carry and handle.
- **Quiet :**
Dynamic balance adjuster enables pump to run balanced with less noise in addition to underwater operation.
- **Economical :**
Long-runable with less maintenance cost.

■ APPLICATIONS:

- Ideal for sewage, industrial & ground water drainage installation in the following fields.
- # Sewage pumping stations.
 - # Sewage treatment plants.
 - # Septic tanks.
 - # Collecting & settling sumps.
 - # Flood & emergency.
 - # Anywhere drainage of dirty water with rags mixed in.
- **Residential Sites**
- # Residential houses
 - # Small groups of houses
 - # Flats & apartment
- **Commercial Sites**
- # Restaurants & shops
 - # Markets & supermarkets
 - # Hospitals
 - # Laundries
 - # Stations
 - # Theaters
 - # Garages
- **Industrial Sites**
- # Mills & factories, for pumping slurry, sludge, viscous & dirty water arising during processes.
 - # Industrial buildings.
 - # Sewage treatment plants.
 - # Water purification plants.

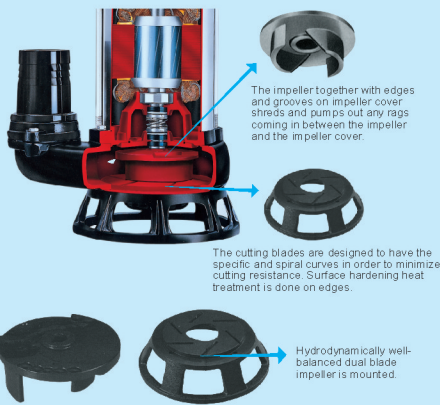
■ CONSTRUCTIONS:

SS/SSA/SST/STA/SSM/SMA



NO.	PARTS LIST	MATERIAL
1	Cable	VCT
2	Handle	Stainless Steel
3	Motor Head Cover	Cast Iron
4	Running Capacitor	MF
4-1	Starting Capacitor	MFD
5	Centrifugal Switch	
6	Upper Bracket	Cast Iron
7	Upper Ball Bearing	
7-1	Lower Ball Bearing	
8	Bolt	Stainless Steel
9	Coil	
10	Shaft	Carbon Steel Stainless Steel
11	Rotor	Steel Plate
12	Stator	Steel Plate
13	Motor Casing	Stainless Steel
14	Hose Coupling	Plastic/Cast Iron
15	Mechanical Seal	Ceramic Carbon(SS/SSA/SSM/SMA) Silicon Carbide(SST/STA)
16	Flange Setter	Cast Iron
17	Motor Lower Cover	Cast Iron
18	Mechanical Seal Cover	Cast Iron
19	Oil Seal	Synthetic Rubber
20	Pump Casing	Cast Iron
21	Impeller	Cast Iron
22	Suction Cover	Cast Iron
23	Strainer	Plastic
24	Floating Switch	SSA/STA/SMA

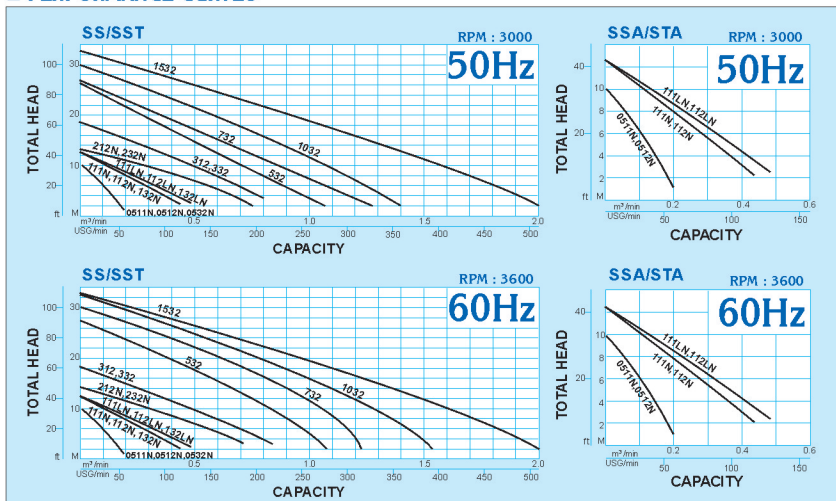
Shredder Mechanism:



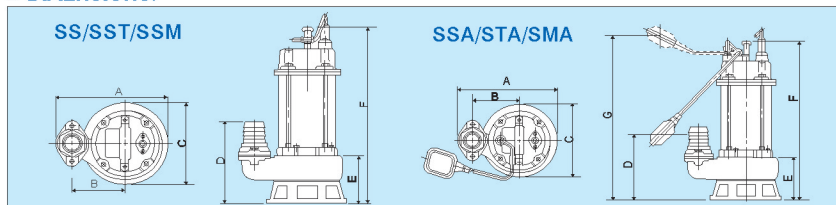
SPECIFICATIONS:

型式 TYPE		電 動 機 MOTOR			口 徑		50Hz		60Hz		通過管徑 Solid Passage mm	電 纜 Cable mm ² ×M	重 量 Weight kg	尺 寸 SIZE						
		Power HP	Phase PH	Volt V	Disch. Dia. inch	Max. Head M	Max. Flow M ³ /MIN	Max. Head M	Max. Flow M ³ /MIN	A				B	C	D	E	F	G	
		HP	PH	V	inch	mm	M	M ³ /MIN	M	M ³ /MIN				mm	mm	mm	mm	mm	mm	mm
SS SST		SS/SST : Manual Type					SS (With Ceramic Carbon Seal)					SST (With Silicon Carbide Seal)								
SS-0511N		1/2	0.4	1	110	2"	50	10	0.20	10	0.20	14	1.25"x6	11	230	102	180	165	85	350
SS-0512N					220															
SS-0532N					200-480															
SS-1111N					110															
SS-1121N		1	0.75	1	220	2"	50	12	0.50	12	0.52	25	2"x6	22	290	135	225	205	115	470
SS-1321N					200-480															
SS-1111LN					110															
SS-1121LN					220															
SS-1321LN		1	0.75	1	200-480	3"	80	12	0.60	12	0.60	25	2"x6	24	320	150	225	240	117	470
SS-2121N					110															
SS-2321N					200-480															
SS-312					200-480															
SS-332		3	2.2	3	200-480	4"	100	18	0.90	18	0.92	28	3.5"x10	53	410	192	265	290	140	580
SS-532					200-480															
SS-732					200-480															
SS-1032					200-480															
SS-1532		15	11	3	200-480	4"	100	32	2.20	33	2.20	30	8"x10	120	480	218	306	350	193	692
SSA-0511N					110															
SSA-0512N					220															
SSA-1111N					110															
SSA-1121N		1	0.75	1	220	2"	50	12	0.50	12	0.52	25	2"x6	22	290	135	225	130	115	470
SSA-1111LN					110															
SSA-1121LN					220															
SSA-1121LN					200-480															

PERFORMANCE CURVES



DIMENSIONS:



SSM / SMA Submersible Vortex Pump

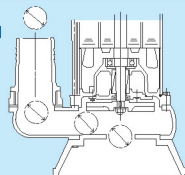
FEATURES:

The specially designed non-clog impeller will create vortex inside the pump casing. The impeller without projection will be especially suitable for transportation of drainage containing belt-shaped piece goods and fiber materials.

APPLICATIONS:

- Drainage of the sewerage/waste water from following industries.
1. Confined livestock feeding industry.
 2. Food stuff processing factory.
 3. Pulp and paper industry.
 4. Other relative industrial factories.

CROSS SECTION

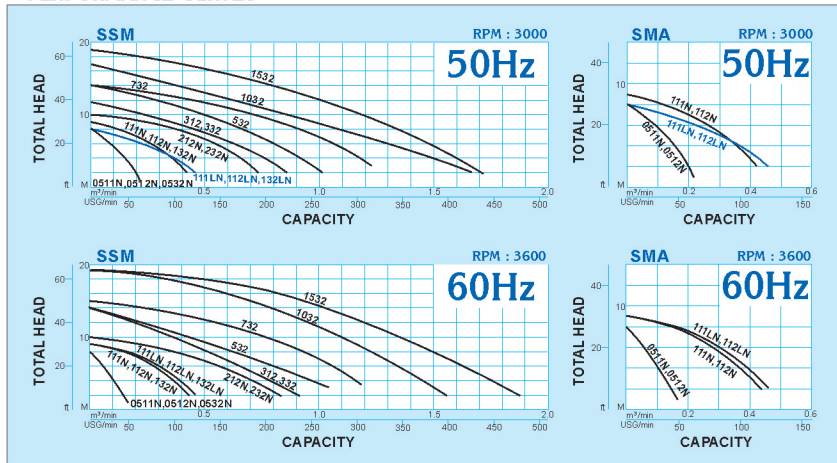


SPECIFICATIONS:

DIMENSIONS:

型式 TYPE		電 動 機 MOTOR			口 徑	50Hz		60Hz		通過 粒徑 Solid Passage	電 纜 直 徑	重 量	尺 寸 SIZE								
		Power HP	Phase kW	Volt PH	V	Disch. Dia. Inch	Max. Head M	Max. Flow M ³ /MIN	Max. Head M	Max. Flow M ³ /MIN	mm	mm ²	kg	A	B	C	D	E	F	G	
SSM	SMA	SSM : Manual Type					SMA : Automatic Type														
SSM-0511N	SMA-0511N	1/2	0.4	1	110	2"	50	8.0	0.22	8.0	0.18	4	1.25"x6	11	230	102	180	165	85	350	320
SSM-0512N	SMA-0512N			3	220																
SSM-0532N				3	200-480																
SSM-1111N	SMA-1111N	1	0.75	1	110	2"	50	9.0	0.48	9.0	0.48	13	2"x6	22	290	135	225	205	115	470	590
SSM-1121N	SMA-1121N			3	220																
SSM-1321N				3	200-480																
SSM-1111LN	SMA-1111LN	1	0.75	1	110	3"	80	8.0	0.55	9.0	0.52	13	2"x6	24	320	150	225	240	117	470	590
SSM-1121LN	SMA-1121LN			3	220																
SSM-1321LN				3	200-480																
SSM-2121N		2	1.5	1	200-480	3"	80	10.0	0.81	10.0	0.90	15	3.5"x10	36	355	165	265	260	140	550	
SSM-2321N				3	200-480	4"	100	12.0	0.90	14.0	1.00	24	3.5"x10	30	355	165	265	260	140	445	
SSM-3121N		3	2.2	1	200-480	4"	100	12.0	0.90	14.0	1.00	24	3.5"x10	53	410	192	265	260	140	680	
SSM-3321N				3	200-480	4"	100	14.0	1.10	14.0	1.22	28	3.5"x10	45	410	192	265	260	140	770	
SSM-5321N		5	3.7	3	200-480	4"	100	14.0	1.10	14.0	1.22	28	3.5"x10	49	410	192	265	260	140	650	
SSM-7321N		7 1/2	5.5	3	200-480	4"	100	14.0	1.37	15.0	1.30	32	5.5"x10	77	435	210	290	300	150	815	
SSM-10321N		10	7.5	3	200-480	4"	100	17.0	1.80	19.0	1.65	19	5.5"x10	88	435	210	290	300	150	815	
SSM-15321N		15	11	3	200-480	4"	100	19.0	1.80	19.0	2.00	22	8"x10	120	460	218	306	350	193	692	

PERFORMANCE CURVES



修時電機股份有限公司
SHOWFOU ELECTRIC MACHINE CO., LTD.

All specifications subject to change without notice.

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0812-9876-6766