SHOWFOU

SINCE 1976

修附電機

SHOWFOU PUMP

SS/SSA Submersible Non-clog Sewage Pump
-- equipped with ceramic/carbon mechanical seal

SST/STA Submersible Non-clog Sewage Pump
-- equipped with silicon carbide mechanical seal

SSM/SMA Submersible Vortex Drainage Pump

ISO 9001
BSMI

SS/SSA
不阻塞污物幫浦

SST/STA
不阻塞污物幫浦
(配備矽碳鋼軸封)

SSM/SMA
渦旋型污水泵浦

made in TAIWAN

SSM 0.5~15hp

SMA 0.5, 1hp

SST 0.5~15hp

STA 1hp

SSA 0.5, 1hp

SS 0.5, 1, 2hp

SS 3, 5hp

SS 7.5, 10, 15hp

SHOWFOU NON-CLOG 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 an Oil Seal.

SS / SSA / SST / STA

FEATURES:

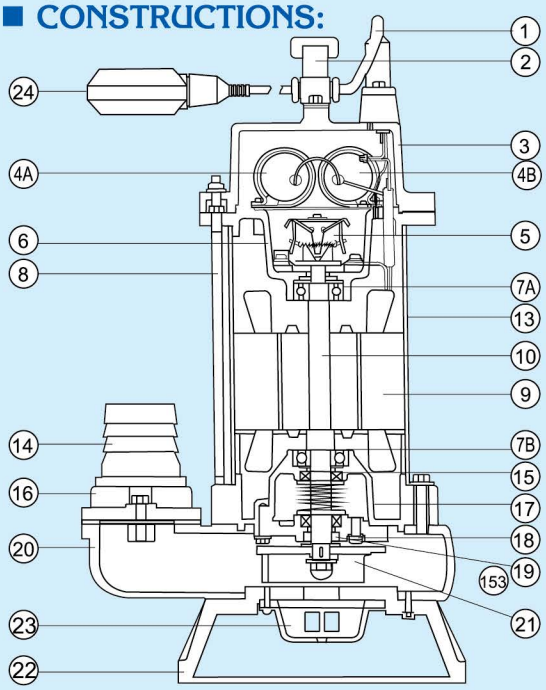
* **Impeller :**
  Hydrodynamically well-balanced, single blade, semi-open, non-clogging type.
* **Mechanical Seal :**
  Oil-bath type, double mechanical seal with one separate oil seal to ensure a longer pump life.
* **Shredder Mechanism :**
  Surface hardening heat treatment is done on impeller vanes and cutting edges,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 evenly with less noise.
* **Economical :**
  Long runnable with little maintenance cost.

APPLICATIONS:

Ideal for sewage, industrial & ground water drainage installation in the following fields.

* **Wastewater Treatment Plants.**
  # Sewage pumping stations.
  # Sewage treatment plants.
  # Septic tanks.
  # Collecting & settling sumps.
  # Flood and emergency.
* **Residential Sites**
  # Residential houses
  # Flats & apartment
* **Commercial Sites**
  # Restaurants & shops
  # Markets.
  # Hospitals
  # Laundries
  # Stations
  # Theaters
  # Garages
* **Industrial Sites**
  # Mills & factories for pumping dirty water.
  # Industrial buildings.
  # Water purification plants.

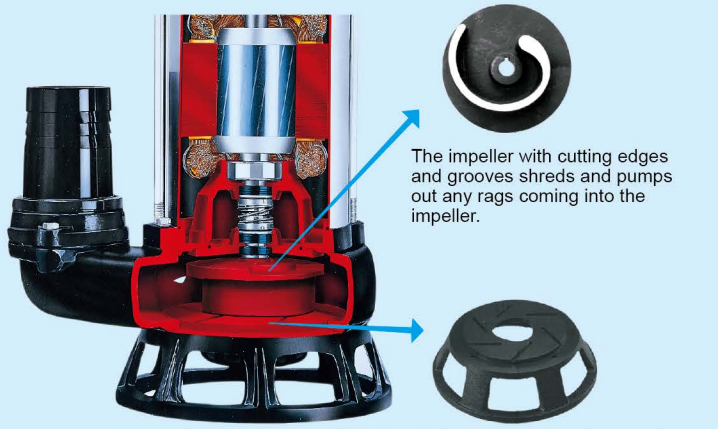
CONSTRUCTIONS:



No.	PART LIST	MATERIAL
1	Cable	V.C.T. ※
2	Handle	SUS304
3	Motor Head Cover	Plastic (0.5hp) Cast Iron (1~15hp)
4A	Running Capacitor	1ø only
4B	Starting Capacitor	1ø (1hp/110v, 2hp, 3hp)
5	Centrifugal Switch	1ø (1hp/110v, 2hp, 3hp)
6	Upper Bracket	Cast Iron 1ø(0.5hp-3hp) 3ø(0.5hp,1hp)
7	Ball Bearing	7A(upper), 7B(lower)
8	Bolt	SUS304
9	Coil+Stator	
10	Shaft+Rotor	S45C+SS304[s]
13	Motor Casing	SUS304
14	Hose Coupling	Plastic (0.5~2hp) Cast Iron (3~15hp)
15	Mechanical Seal	CE+CA (SS/SSA/SSM/SMA) Silicone Carbide (SST/STA)
16	Flange Setter	Cast Iron (1~15hp)
17	Motor Lower Cover	Cast Iron
18	Mechanical Seal Cover	Plastic (0.5hp) Cast Iron (1~15hp)
19	Oil Seal	Synthetic Rubber(SST/STA:1hp, SS/SSA/SSM/SMA:0.5~10hp)
20	Pump Casing	Cast Iron
21	Impeller	Cast Iron
22	Suction Cover	Cast Iron
23	Strainer	Plastic
24	Floating Switch	only for SSA/STA/SMA
153	Sand Proof Trap	NBR (SS:15hp, SST:2~15hp)

※ Different type of cable may equip per local code or standard, such as CSA, UL or CE, or on demand.

Shredder Mechanism:



The impeller with cutting edges and grooves shreds and pumps out any rags coming into the impeller.

The cutting blades on suction cover are designed to have the specific and spiral curves in order to minimize cutting resistance. Surface hardening heat treatment is done on edges of centered hole.

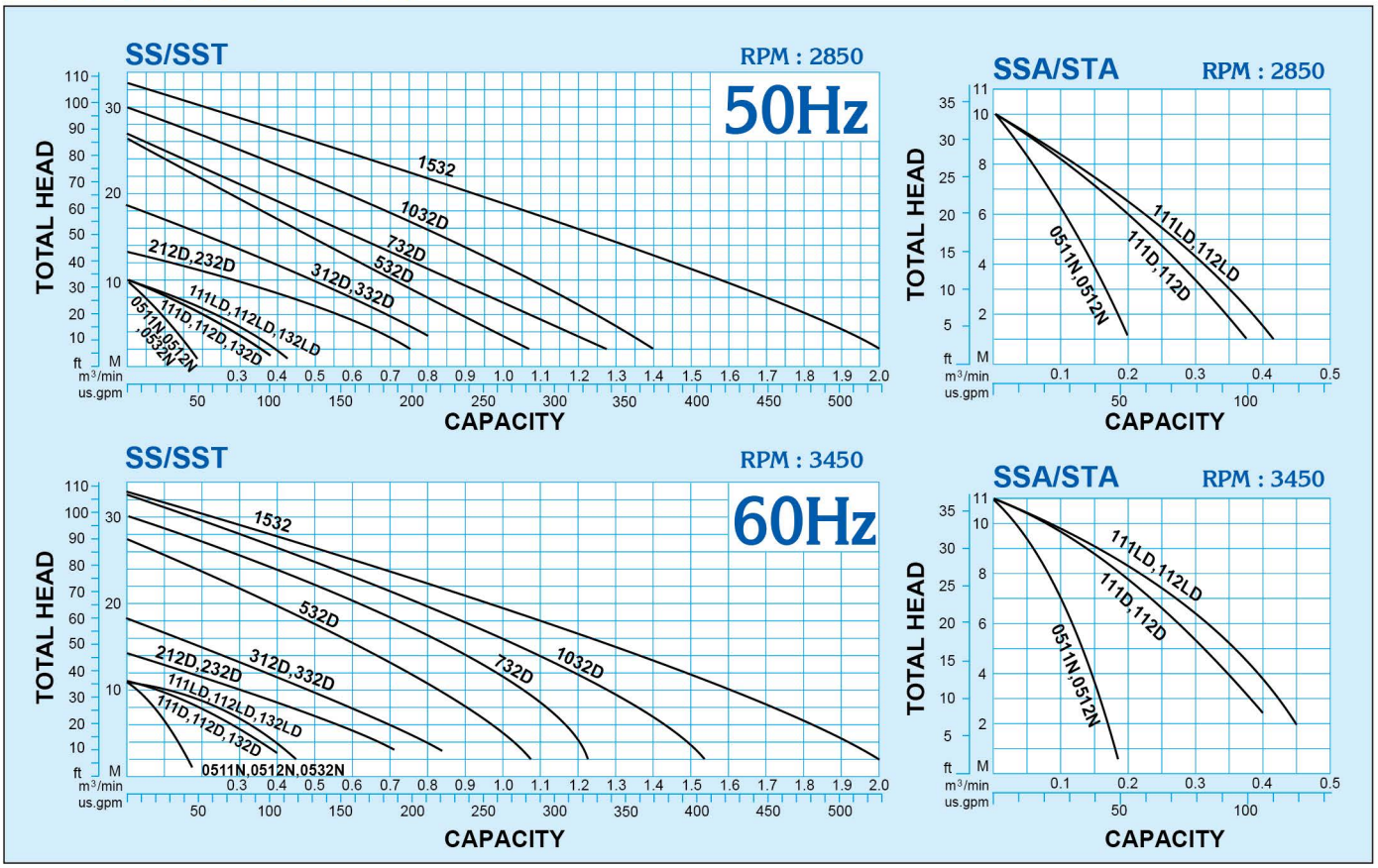
Hydrodynamically well-balanced single blade impeller is mounted.

■ SPECIFICATIONS:

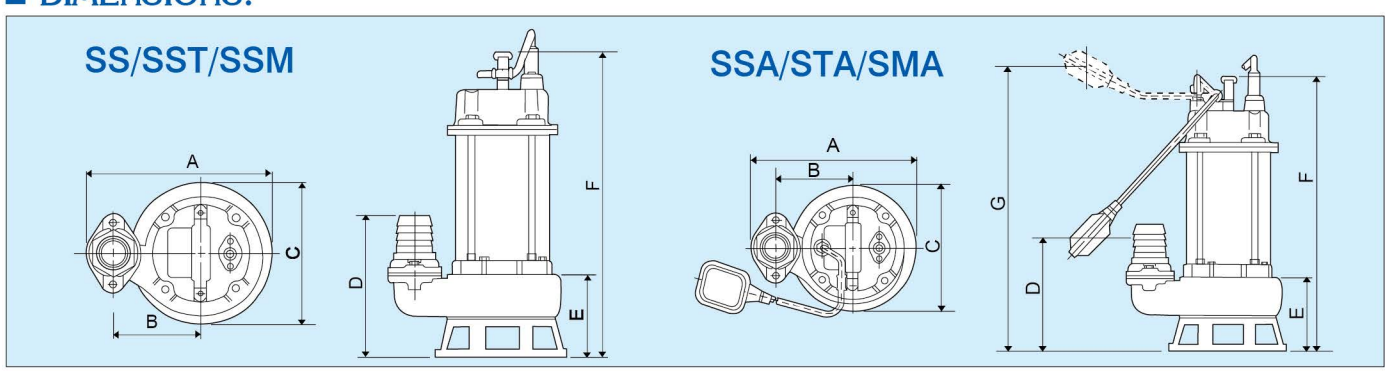
■ DIMENSIONS:

型式 SERIES		電動機 MOTOR Power HP	Power kW	Phase PH	Volt. V	口徑 Disch. Dia. inch	mm	50Hz Max. Head M	50Hz Max. Flow m^3/min	60Hz Max. Head M	60Hz Max. Flow m^3/min	通過粒徑 Solid Passage mm	電纜 Cable mm^2xM	重量 Wt. kg	尺寸 SIZE A mm	B mm	C mm	D mm	E mm	F mm	G mm
SS	**SST**	**SS/SST: Manual Type**										**SS** (with Ceramic Carbon Seal)			**SST** (with Silicon Carbide Seal)						
SS-0511N		0.5	0.4	1	110-120	2	50	10	0.20	11	0.20	Φ14	1.25^2x6	11	230	102	180	165	85	350	
SS-0512N					220-240																
SS-0532N				3	220-480																
SS-111D	SST-111D	1	0.75	1	110-120	2	50	10	0.38	11	0.40	Φ25	2^2x6	23	290	135	225	205	115	494	
SS-112D	SST-112D				220-240									22	290	135	225	205	115	459	
SS-132D	SST-132D			3	220-480									22	290	135	225	205	115	459	
SS-111LD	SST-111LD			1	110-120	3	80	10	0.45	11	0.45	Φ25	2^2x6	25	320	150	225	240	117	496	
SS-112LD	SST-112LD				220-240									24	320	150	225	240	117	461	
SS-132LD	SST-132LD			3	220-480									24	320	150	225	240	117	461	
SS-212D	SST-212D	2	1.5	1	220-480	3	80	13	0.80	14	0.82	Φ28	3.5^2x10	36	355	165	265	260	140	558	
SS-232D	SST-232D			3	220-480									30	355	165	265	260	140	489	
SS-312D	SST-312D	3	2.2	1	220-480	4	100	18	0.90	18	0.92	Φ28	3.5^2x10	53	410	192	265	290	140	600	
SS-332D	SST-332D			3	220-480									45	410	192	265	290	140	510	
SS-532D	SST-532D	5	3.7	3	220-480	4	100	26	1.06	28	1.1	Φ32	3.5^2x10	49	410	192	265	290	140	550	
SS-732D	SST-732D	7.5	5.5	3	220-480	4	100	27	1.38	30	1.3	Φ26	5.5^2x10	77	435	210	280	300	150	613	
SS-1032D	SST-1032D	10	7.5	3	220-480	4	100	30	1.50	33	1.6	Φ26	5.5^2x10	80	435	210	280	300	150	643	
SS-1532	SST-1532	15	11	3	220-480	4	100	32	2.20	33	2.0	Φ30	8^2x10	120	460	218	306	350	193	692	
SSA	**STA**	**SSA/STA: Automatic Type**										**SSA** (with Ceramic Carbon Seal)			**STA** (with Silicon Carbide Seal)						
SSA-0511N		0.5	0.4	1	110-120	2	50	10	0.20	11	0.20	Φ14	1.25^2x6	11	230	102	180	110	85	390	320
SSA-0512N					220-240																
SSA-111D	STA-111D	1	0.75	1	110-120	2	50	10	0.38	11	0.40	Φ25	2^2x6	23	290	135	225	205	115	494	590
SSA-112D	STA-112D				220-240									22	290	135	225	205	115	459	590
SSA-111LD	STA-111LD				110-120	3	80	10	0.45	11	0.45	Φ25	2^2x6	25	320	150	225	240	117	496	590
SSA-112LD	STA-112LD				220-240									24	320	150	225	240	117	461	590

■ PERFORMANCE CURVES



■ DIMENSIONS:



SSM / SMA Vortex Drainage Pump

■ FEATURES:

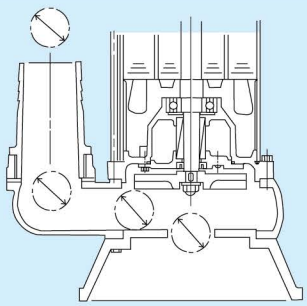
The specially designed non-clog impeller will create vortex inside the pump casing. The pump would be ideal for the drainage of sump pits, for dirty water or non-sewage wastewater.

■ APPLICATIONS:

Drainage of industrial and groundwater in the following areas.

1. Storm and rainwater transfer.
2. Septic effluent water disposal.
3. Civil engineering & construction.
4. Tunnel and caisson drainage.
5. Seepage water and pools.

CROSS SECTION

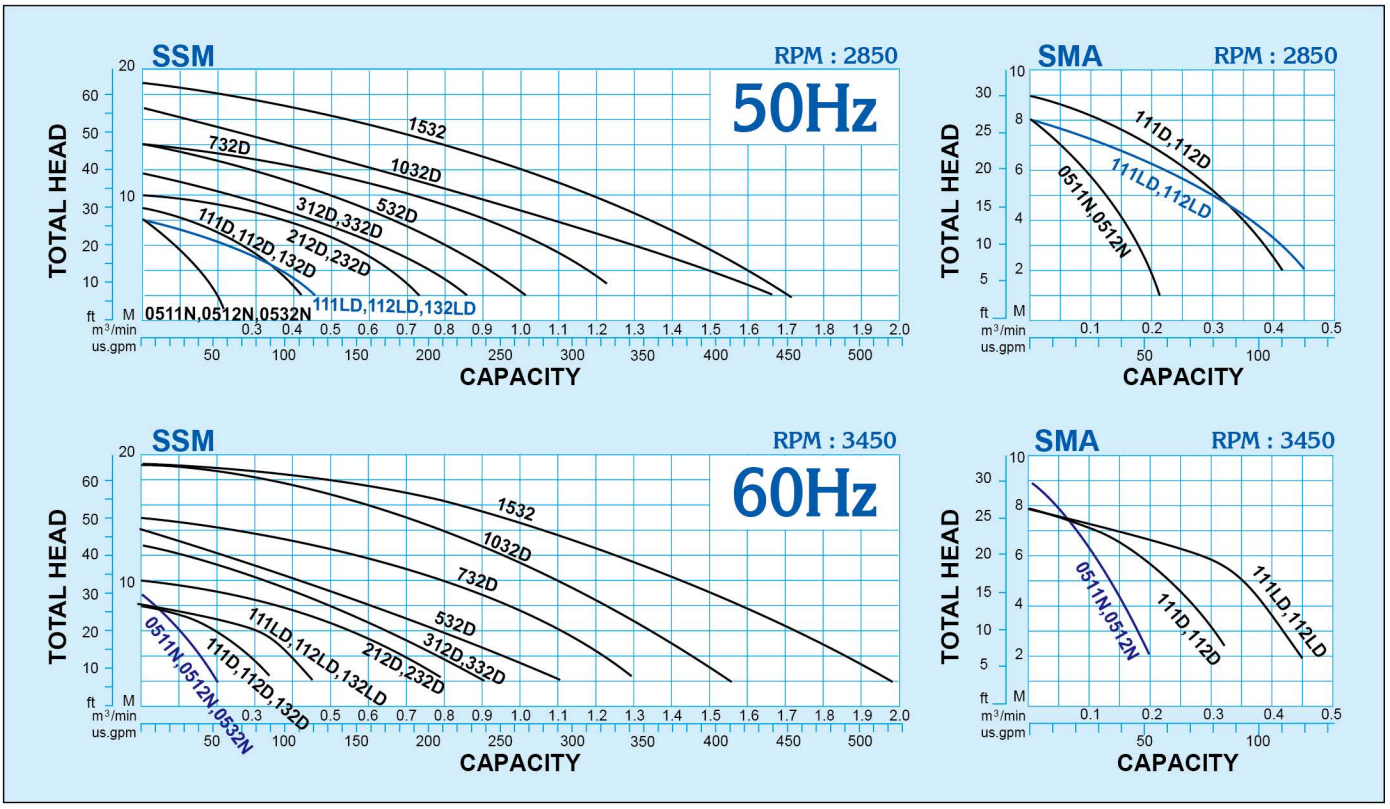


■ SPECIFICATIONS:

■ DIMENSIONS:

型式 Series		電動機 MOTOR				口徑 Disch. Dia.		50Hz		60Hz		通過粒徑 Solid Passage	電纜 Cable	重量 Wt.	尺寸 SIZE						
		Power		Phase	Volt			Max. Head	Max. Flow	Max. Head	Max. Flow				A	B	C	D	E	F	G
		HP	kW	PH	V	inch	mm	M	m^3/min	M	m^3/min	mm	mm^2xM	kg	mm	mm	mm	mm	mm	mm	mm
SSM	**SMA**	**SSM : Manual Type**								**SMA : Automatic Type**											
SSM-0511N	SMA-0511N	0.5	0.4	1	110-120	2	50	8.0	0.22	9	0.20	Φ 4	1.25^2x6	11	230	102	180	165	85	350	320
SSM-0512N	SMA-0512N				220-230																
SSM-0532N				3	220-480																
SSM-111D	SMA-111D	1	0.75	1	110-120	2	50	9.0	0.48	8	0.33	Φ13	2^2x6	23	290	135	225	205	115	494	590
SSM-112D	SMA-112D				220-230									22	290	135	225	205	115	459	590
SSM-132D				3	220-480									22	290	135	225	205	115	459	590
SSM-111LD	SMA-111LD			1	110-120	3	80	8.0	0.55	8	0.45	Φ13	2^2x6	25	320	150	225	240	117	496	590
SSM-112LD	SMA-112LD				220-230									24	290	135	225	205	115	461	590
SSM-132LD				3	220-480									24	290	135	225	205	115	461	590
SSM-212D		2	1.5	1	220-480	3	80	10.0	0.81	10	0.80	Φ15	3.5^2x10	36	355	165	265	260	140	558	
SSM-232D				3	220-480									30	355	165	265	260	140	489	
SSM-312D		3	2.2	1	220-480	4	100	12.0	0.90	13	0.90	Φ24	3.5^2x10	53	410	192	265	290	140	600	
SSM-332D				3	220-480									45	410	192	265	290	140	510	
SSM-532D		5	3.7	3	220-480	4	100	14.0	1.10	14	1.11	Φ28	3.5^2x10	49	410	192	265	290	140	550	
SSM-732D		7.5	5.5	3	220-480	4	100	14.0	1.37	15	1.30	Φ22	5.5^2x10	77	435	210	280	300	150	613	
SSM-1032D		10	7.5	3	220-480	4	100	17.0	1.80	19	1.55	Φ19	5.5^2x10	88	435	210	280	300	150	643	
SSM-1532		15	11	3	220-480	4	100	19.0	1.80	19	2.00	Φ22	8^2x10	120	460	218	306	350	193	692	

■ PERFORMANCE CURVES



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※All specifications subject to change without notice.