



Features

- Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.
- The body of motor and pump is made of rigid cast iron or stainless steel for long-lasting durability.
- Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure.
- Semi-open impeller made of high chrome alloy match with wearable plate (ductile iron) achieves superior durability.
- Effective motor cooling due to discharge channel cast as part of the motor housing.
- Discharge 50mm(2") to 150mm(6"), motor 0.25kW(0.35HP) to 11kW (15HP).
- Hermetically sealed motor equipped build-in thermal protection.

Applications

- Civil engineering
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Specification

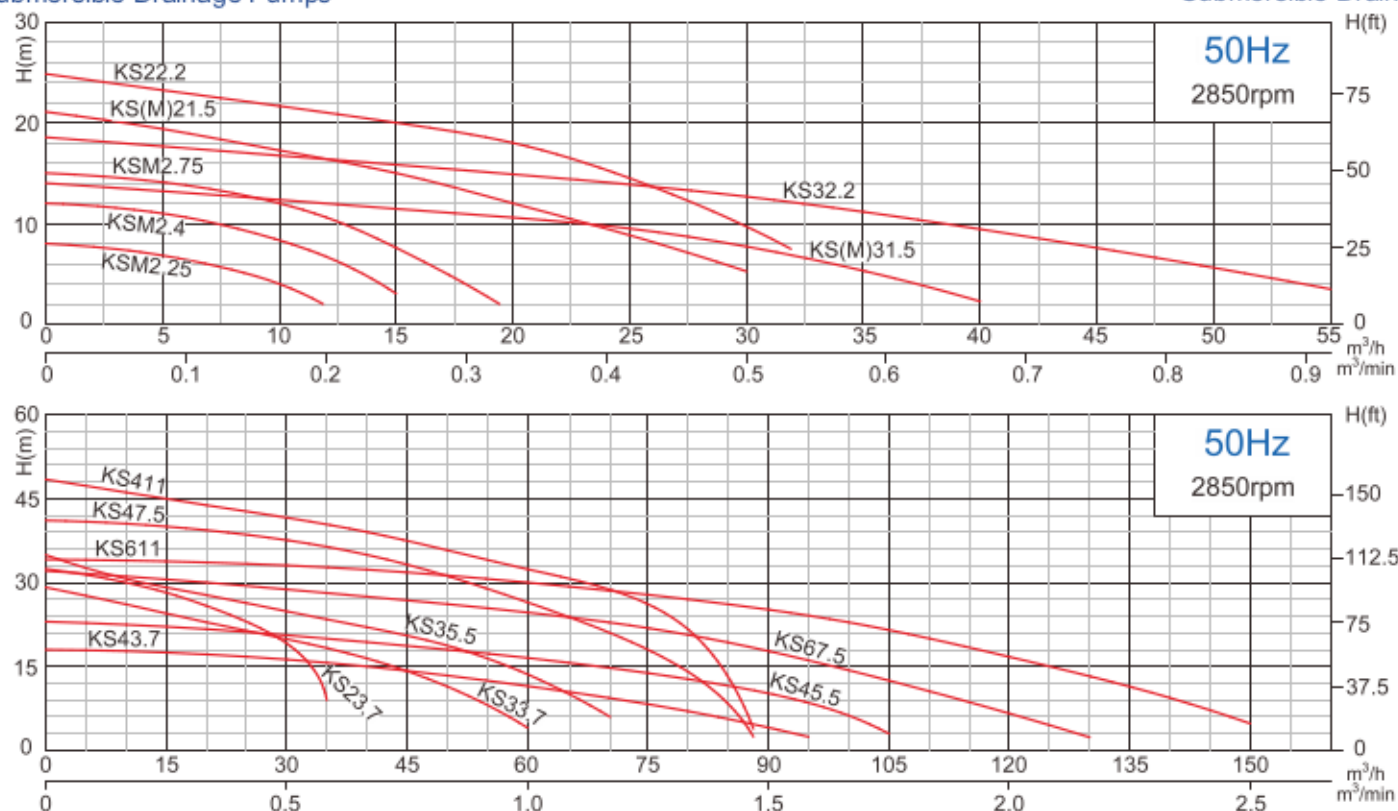
- Capacity: up to 150m³/h
- Head: up to 50 meters
- Power: 0.25kW(0.35HP) to 11kW(15HP)
- KSM0.25~0.75: single phase 220V ± 10%, 50Hz
220V ± 10%, 60Hz
- KSM1.5: single phase 220V ± 10%, 50Hz
220V ± 10%, 60Hz
- KS1.5~11: three phase 400V ± 10%, 50Hz
380V ± 10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Water temperature: up to 40°C
- Max. water depth: KSM0.25~0.75kW: 10 m
KS(M)1.5~11kW: 25 m

Special features on request

- Other voltages
- The length of cable is optional

Submersible Drainage Pumps

Submersible Drainage Pumps



Model (50Hz)	Outlet	Motor power		Voltage	Rated current	Rated capacity		Rated head	Max capacity		Max Head	Impeller Passage	N.W	G.W	Packing dimension
	mm	kW	HP	V	A	m³/h	m³/min	m	m³/h	m³/min	m	mm	kg	kg	mm
KSM2.25(F)	50	0.25	0.35	220	2.0	6	0.1	7	12	0.2	8	6	14	15	385x225x250
KSM2.4(F)	50	0.4	0.55	220	3.0	8	0.13	10	14.5	0.24	12	6	15	16	385x225x250
KSM2.75(F)	50	0.75	1	220	5.0	10	0.17	12	19.5	0.32	15	6	17	18	405x225x250
KSM21.5(F)	50	1.5	2	220	10	15	0.25	15	30	0.5	21	8.5	37	41	660x270x315
KSM31.5(F)	80	1.5	2	220	10	27	0.45	9	42	0.7	14	8.5	37	41	660x270x315
KS21.5	50	1.5	2	400	3.5	15	0.25	15	30	0.5	21	8.5	37	41	620x270x315
KS21.5F	50	1.5	2	400	3.5	15	0.25	15	30	0.5	21	8.5	39	43	690x270x315
KS31.5	80	1.5	2	400	3.5	27	0.45	9	42	0.7	14	8.5	37	41	620x270x315
KS31.5F	80	1.5	2	400	3.5	27	0.45	9	42	0.7	14	8.5	39	43	690x270x315
KS22.2	50	2.2	3	400	5.0	20	0.33	18	32	0.53	25	8.5	40	44	620x270x315
KS22.2F	50	2.2	3	400	5.0	20	0.33	18	32	0.53	25	8.5	42	46	690x270x315
KS32.2	80	2.2	3	400	5.0	36	0.6	11	55	0.92	18.5	8.5	40	44	620x270x315
KS32.2F	80	2.2	3	400	5.0	36	0.6	11	55	0.92	18.5	8.5	42	46	690x270x315
KS23.7	50	3.7	5	400	7.7	18	0.3	26	36	0.6	32	8.5	58	64	670x320x345
KS23.7F	50	3.7	5	400	7.7	18	0.3	26	36	0.6	32	8.5	60	66	730x320x345
KS33.7	80	3.7	5	400	7.7	35	0.58	18.5	60	1.0	29	8.5	58	64	670x320x345
KS33.7F	80	3.7	5	400	7.7	35	0.58	18.5	60	1.0	29	8.5	60	66	730x320x345
KS43.7	100	3.7	5	400	7.7	60	1.0	11.5	95	1.58	18	8.5	59	65	670x320x345
KS43.7F	100	3.7	5	400	7.7	60	1.0	11.5	95	1.58	18	8.5	61	67	730x320x345
KS35.5	80	5.5	7.5	400	11.4	45	0.75	22	72	1.2	35	8.5	66	72	710x320x345
KS35.5F	80	5.5	7.5	400	11.4	45	0.75	22	72	1.2	35	8.5	68	74	770x320x345
KS45.5	100	5.5	7.5	400	11.4	60	1.0	16	105	1.75	23	8.5	67	73	710x320x345
KS45.5F	100	5.5	7.5	400	11.4	60	1.0	16	105	1.75	23	8.5	69	75	770x320x345
KS47.5	100	7.5	10	400	15	60	1.0	26	88	1.47	41	11.5	108	120	894x394x455
KS67.5	150	7.5	10	400	15	80	1.33	20.5	130	2.17	32	19.5	110	122	894x394x455
KS411	100	11	15	400	22	60	1.0	32	86.4	1.44	48.5	11.5	123	135	954x394x455
KS611	150	11	15	400	22	90	1.5	25	150	2.5	34	19.5	125	137	954x394x455

•KS:Three phase;KSM:Single phase; F:With Float switch

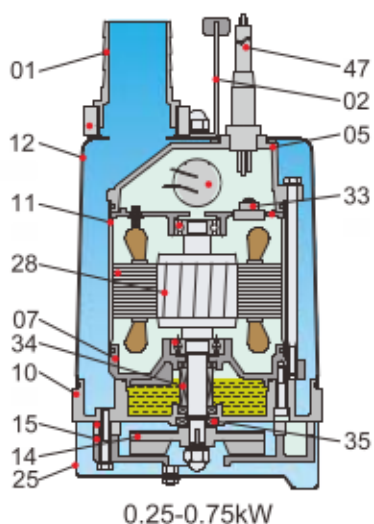
Materials Table

No.	Part	Material
01	Hose coupling	ABS & PA66
02	Handle	Rubber&AISI304SS
05※	Upper cover	Cast iron
07※	Bearing house	Cast iron
10※	Seal house	Cast iron
11	Motor casing	AISI304SS
12	Outer casing	AISI304SS
14※	Impeller	Ductile iron
15※	Diffuser	Cast iron
25	Strainer	AISI304SS
28	Rotor	Shaft:AISI304SS
33	Motor protector	
34	Mechanical seal	Ceramic-SiC/Carbon-Ceramic
47	Cable	Length 8 m H07RN-F

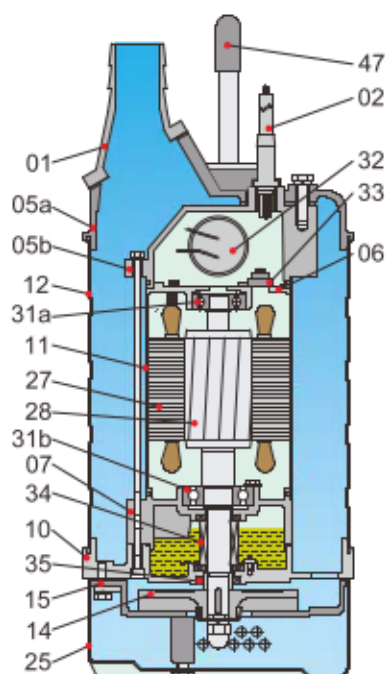
※Optional:AISI304SS

No.	Part	Material
01※	Hose coupling	Cast iron
02※	Handle	Rubber&steel
05a/b※	Upper cover	Cast iron
07※	house	Cast iron
10※	Seal bracket	Cast iron
11	Motor casing	Stainless steel
12	Outer casing	AISI304SS
14※	Impeller	High chrome alloy
15※	Diffuser	Ductile iron
25※	Strainer	Steel
28	Rotor	Shaft:AISI420SS
33	Motor protector	
34	Mechanical seal	SiC-SiC/Carbon-SiC(< 2.2kW) SiC-SiC/SiC-SiC(3.7-5.5kW)
47	Cable	Length 15 m H07RN-F

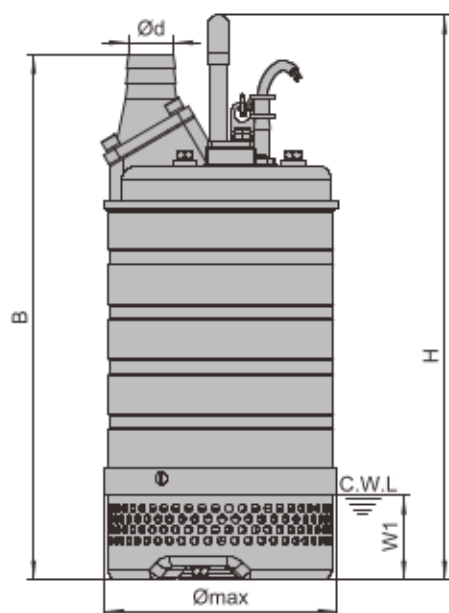
※Optional:AISI304SS



0.25-0.75kW



1.5-5.5kW



W1:Continuous running water level

Dimensions

Model	H	B	Ømax	W1	Model	H	B	Ømax	W1
KSM2.25(F)	345	342	184	50	KS33.7	515	591	300	76
KSM2.4(F)	345	342	184	50	KS43.7	515	616	300	76
KSM2.75(F)	365	362	184	50	KS35.5	555	631	300	76
KSM21.5(F)	582	560	240	87	KS45.5	555	656	300	76
KSM31.5(F)	582	567	240	87	KS23.7F	565	641	300	76
KS21.5	563	540	240	87	KS33.7F	565	641	300	76
KS31.5	563	547	240	87	KS43.7F	565	666	300	76
KS22.2	563	540	240	87	KS35.5F	605	681	300	76
KS32.2	563	547	240	87	KS45.5F	605	706	300	76
KS21.5F	613	590	240	87	KS47.5	700	810	355	142
KS31.5F	613	597	240	87	KS67.5	700	810	355	142
KS22.2F	613	590	240	87	KS411	745	855	355	142
KS32.2F	613	597	240	87	KS611	745	855	355	142
KS23.7	515	591	300	76					