

Semi Vortex impeller design minimize the Clogging situation for maximum durability and maintaining pump performance. Built-in shaft mounted agitator prevents the “air lock” and reduces the clogging situation.



Application

Civil engineering, building sites, basements or other utility Pits, rainwater, mud water and high-viscosity fluid.

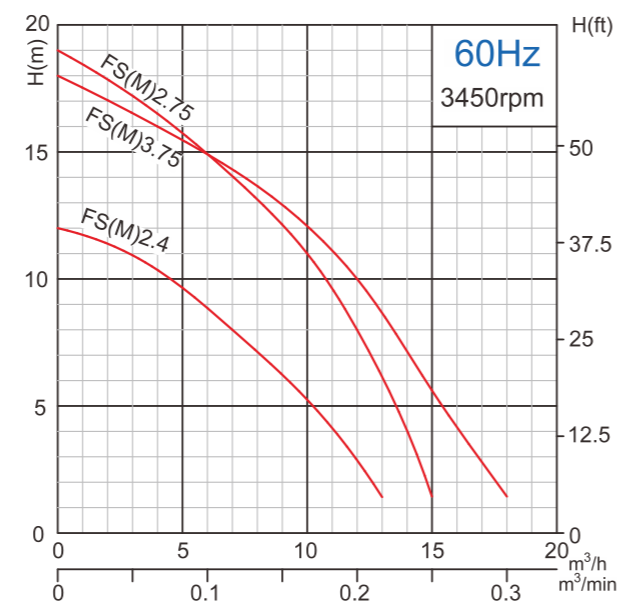
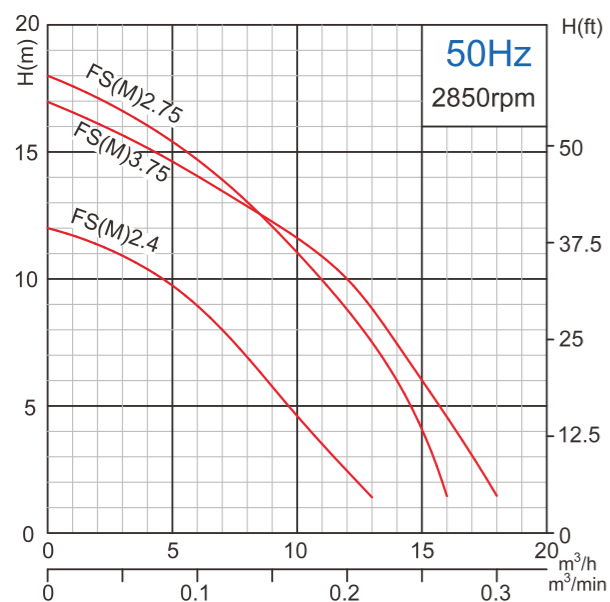
Specification

- Water temperature: up to 40°C
- PH: 6.5 to 8.5
- Power supply: single phase 220V ± 10%,50Hz,60Hz
three phase 380V ± 10%,50Hz,60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 8m
- Max water depth: 10m

Special features on request

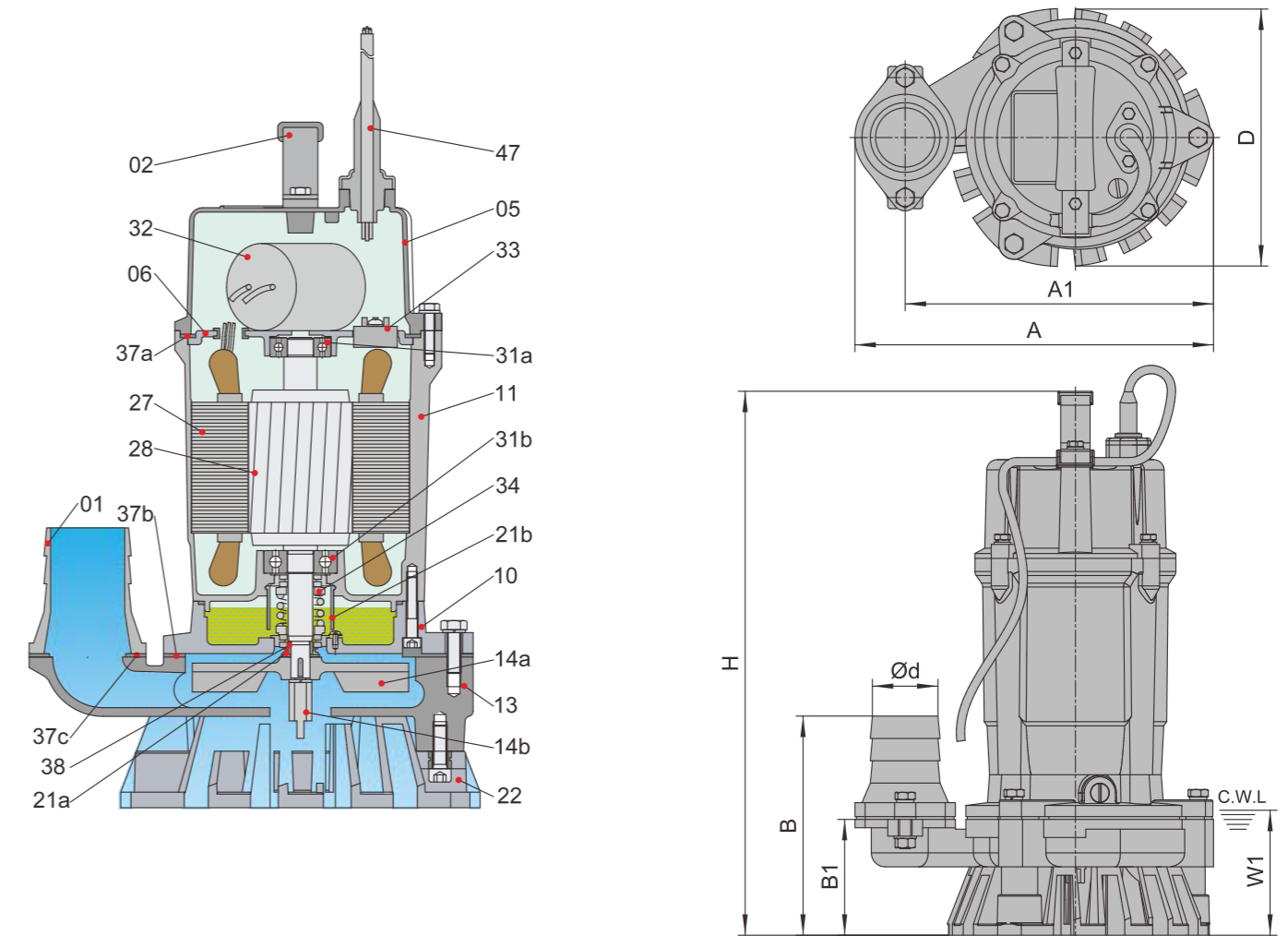
- Other voltages

Performance curves & table



Model (50/60Hz)	Outlet mm	Motor power		Rated current (A)		Rated capacity		Rated head m	Max capacity		Max Head m	Impeller Passage mm
		kW	HP	1~	3~	m³/h	m³/min		m³/h	m³/min		
FS(M)2.4(F)	50	0.4	0.55	3.0	1.3	7	0.12	8	12.6	0.21	12	6
FS(M)2.75(F)	50	0.75	1	5.0	2.0	10	0.17	11	16/15	0.27/0.25	18/19	6
FS(M)3.75(F)	80	0.75	1	5.0	2.0	12	0.20	10	18	0.3	17/18	6

•FS:Three phase; FSM:Single phase; FSM...F:Single phase with Float switch



W1:Continuous running water level

Material of construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	27	Stator	
02	Handle	Rubber&steel	28	Rotor	Shaft:AISI420SS
05	Upper cover	Aluminum die casting	31a	Bearing	Ball bearing
06	Up-Bearing house	Cast iron	31b	Bearing	Ball bearing
10	Seal house	Cast iron	32	Capacitor	
11	Motor body	Aluminum die casting	33	Motor protector	
13	Pump body	Cast iron	34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
14a	Impeller	Ductile iron	37a	Gasket	NBR
14b	Agitator	Stainless steel	37b	Gasket	NBR
21a	Sand guard	NBR	37c	Gasket	NBR
21b	Oil riser	LDPE	38	Shaft sleeve	AISI420SS
22	Seat assembly	PU	47	Cable	H07RN-F

Dimensions & weights

Model (50/60Hz)	d mm	A mm	A1 mm	B mm	B1 mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
FS(M)2.4(F)	50	237	201	157	84	185	365	85	13.5	14.5	405x255x255
FS(M)2.75(F)	50	257	221	157	84	185	390	85	16.5	17.5	445x265x255
FS(M)3.75(F)	80	284	234	215	109	185	390	85	18	19	445x295x255