

HS

Submersible Portable Dewatering Pump

Long-term best seller spiral casing pump equipped with high performance motor



Individual Features

Light, Strong Materials

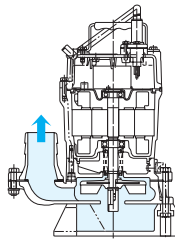
Light but strong materials such as aluminium die castings and water-resistant special synthetic rubber are used on the entire pump.



Cooling System/Discharge Port

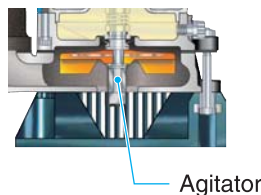
<Spiral design>

The spiral structure of this pump allows sand and silt-laden water to pass through efficiently.



Agitator

An agitator impeller is provided on the extension of the pump shaft. This not only prevents "air locking" which is caused by air building up inside the casing, but also reduces clogging when solid objects are sucked in.



Common Features

- Cable entry with anti-wicking block
- High-grade bearings for high-temperature operation
- Integrated high-performance motor
- Built-in motor protector
- Oil-bath type double-mechanical seal featuring enhanced stable shaft sealing effect over prolonged use
- Service life of mechanical seal extended by OIL LIFTER (patent pending)
- Impeller lock minimized by semi-vortex design

Major Standard Specifications

Item		Discharge bore size mm	
		50	80(50)
Pumping fluid	Type of fluid	Rain water, Ground water, Sand carrying water	
	Liquid temperature	0~40°C	
Pump	Components	Impeller	Semi-Vortex
		Shaft seal	Double mechanical seal
		Bearing	Shielded ball bearing
	Materials	Impeller	Urethane rubber
Casing		Ductile iron casting	
	Shaft seal (mechanical seal)	Silicon Carbide	
Motor	Type, poles	Dry-type submersible induction motor, 2 poles	
	Insulation	Class E	
	Phase/Voltage	Single-phase/110V, 200V, 220V, 230V, 240V	
	Motor protector (Built-in)	Miniature protector Circle thermal protector	
	Lubricant	Turbine oil (ISO VG32)	
	Materials	Frame	Aluminium alloy casting
Shaft		Stainless steel #403	
Cable		PVC Sheath	
Discharge connection		Hose coupling	

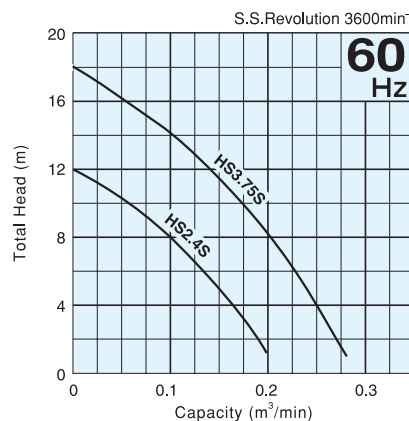
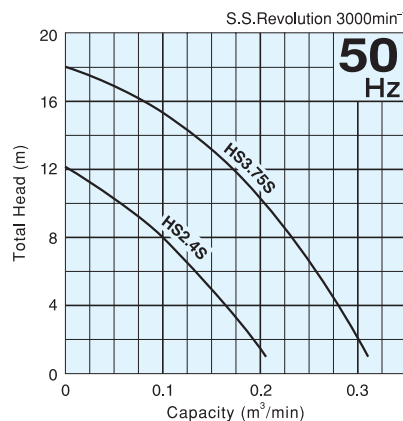
Standard Accessories

- Cabtyre cable1pc
- Hose coupling1pc
- Hose band1pc

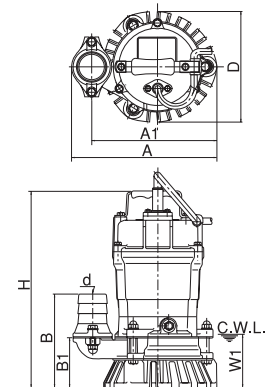
Optional Specifications

- Extended cable
- Special paint

Performance Curves



Dimensions



C.W.L. : Continuous Running Water Level

Specifications 50/60Hz

Discharge Bore mm	Model	Motor Output kW	Phase	Max. Head m	Max. Capacity m ³ /min.	Starting Method	Dry Weight kgs	Length of Cabtyre Cable m	Dimensions mm							C.W.L. mm
									d	A	A1	B	B1	D	H	
50	HS2.4S	0.4	Single	12	0.2	Capacitor Run	11.3	5	50	241	207	158	84	185	328	90
80(50)	HS3.75S	0.75	Single	18	0.3/0.28	Capacitor Run	17.5	5	80	285	135	217	109	172	388	114

● 50mm discharge available on request. ● Dry weight of the pump excluding cable.