HS

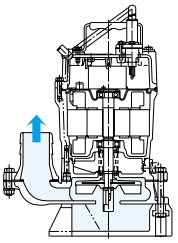
General Dewatering Pumps

Equipped with an Agitator and a Spiral Pump Casing, Sand, Solids, Debris are Pumped with Minimal Wear and Clogging

Individual Features

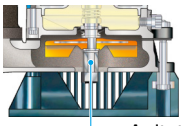
Spiral Design

The large channel in the spiral casing allows sand and silt-laden water to pass through efficiently.



Air Lock Prevention

The shaft-mounted agitator prevents the “air lock” that tends to take place on vortex pumps.



Simple Structure

The pump section can be disassembled and reassembled using a single 13-mm box wrench.

Auto Operation with Float Switch (HSZ)

The pump employs a float switch for automatic operation to prevent dry running and lower power consumption.

Major Standard Specifications

Discharge Bore			mm	50 / 80(50)
Motor Output			kW	0.4 - 0.75
Pumping Fluid	Type of Fluid			Rain, Spring, Ground, Sand Carrying Water
	Fluid Temperature			0 to 40°C
Pump	Structure	Impeller		Semi-vortex
		Shaft Seal		Double Mechanical Seal (with Oil Lifter)
		Bearing		Double-shielded Ball Bearing
	Materials	Impeller		Urethane Rubber
		Casing		Gray Cast Iron / Ductile Cast Iron
		Shaft Seal		Silicon Carbide
Motor	Type, Pole			Dry Type Submersible Induction Motor, 2-pole
	Insulation			Class E
	Phase/Voltage			Single-phase/ 110V, 220V, 230V, 240V
	Starting Method			Capacitor Run
	Protection Device (Built-in)			Miniature Thermal Protector/ Circle Thermal Protector
	Lubricant			Turbine Oil (ISO VG32)
	Materials	Frame		Aluminium Alloy Die-casting
		Shaft		403 Stainless Steel
		Cable		PVC

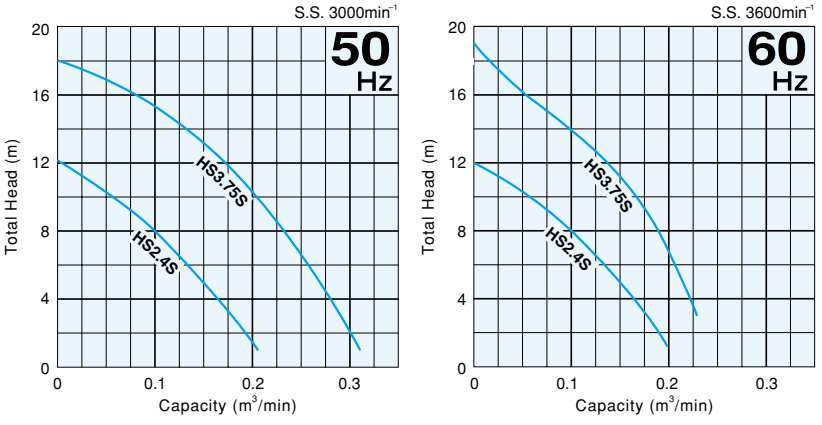
Applications

Draining at civil engineering or building sites
Draining storm water, groundwater, or puddles
Draining from basements or utility pits

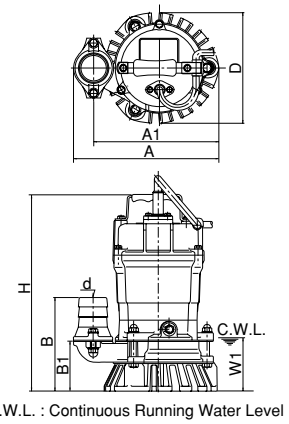
Standard Accessories

- Hose Coupling·····1pc.
- Hose Band·····1pc.

Performance Curves



Dimensions



C.W.L. : Continuous Running Water Level

Standard Specifications 50/60Hz

Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Dry Weight kgs	Cable Length m	Dimensions mm d	A	A1	B	B1	D	H	C.W.L. mm W1
50	HS2.4S	0.4	Single	Capacitor Run	11.3	5	50	241	207	158	84	184	328	90
80(50)	HS3.75S	0.75	Single	Capacitor Run	17.5	5	80	285	233	217	109	184	388	90

● 50 mm discharge available upon request. Note that smaller discharge may increase friction loss. ● Dry weight excluding cable