

HS

General Dewatering Pumps

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



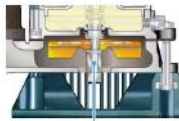
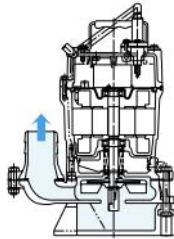
Individual Features

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.



Agitator

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
Motor	Shaft Seal	Silicon Carbide	
	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	

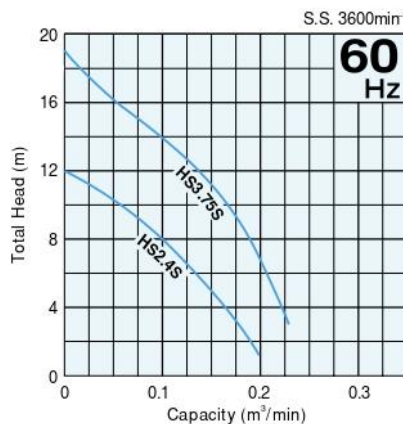
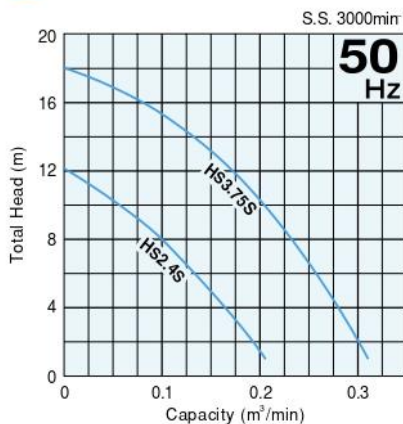
Applications

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

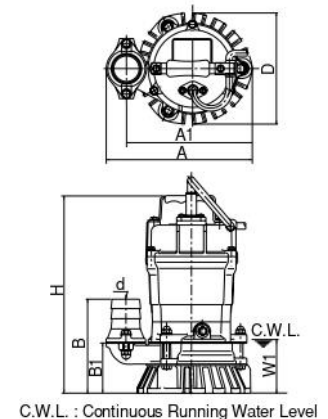
Standard Accessories

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

Performance Curves



Dimensions



Standard Specifications 50/60Hz

Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Dry Weight kgs	Cable Length m	Dimensions mm							C.W.L. mm
							d	A	A1	B	B1	D	H	
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



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