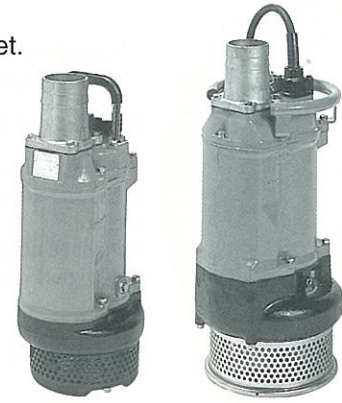
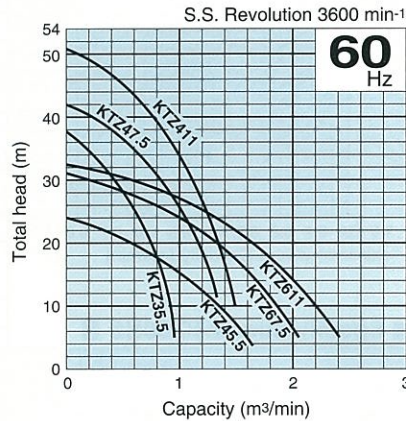
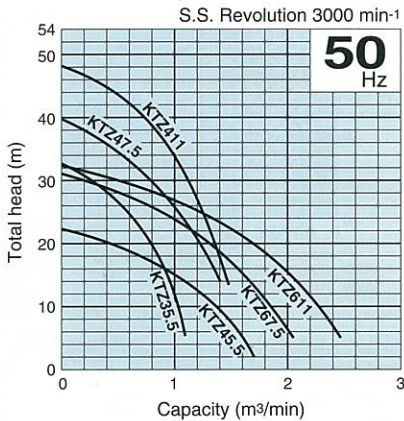
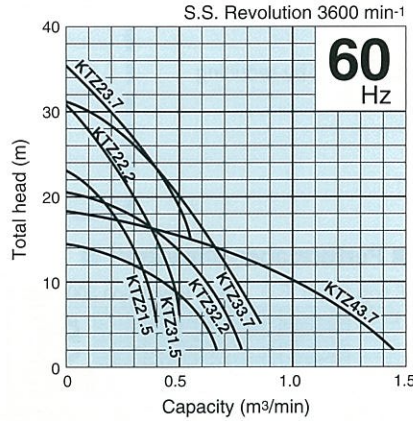
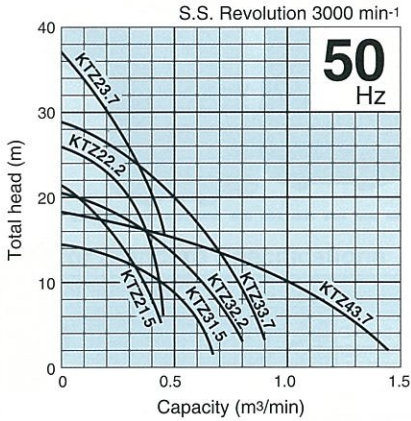


Efficient motor cooling by a side-flow channel ; Space economy by a top outlet.



Performance Curves



Specifications 50/60Hz

Discharge Bore mm	Model	Motor Output kW	Phase	Total Head m	Capacity m³/min	Starting Method	Dry Weight kgs	Length of Cabtyre Cable m
50	KTZ21.5	1.5	Three-phase	15.0/16.5	0.25	D.O.L.	30	8
50	KTZ22.2	2.2	Three-phase	20.0	0.30	D.O.L.	34	8
50	KTZ23.7	3.7	Three-phase	30.0	0.20	D.O.L.	62.5	8
80	KTZ31.5	1.5	Three-phase	8.0	0.50	D.O.L.	30	8
80	KTZ32.2	2.2	Three-phase	10.0	0.60	D.O.L.	34	8
80	KTZ33.7	3.7	Three-phase	20.0	0.50	D.O.L.	62.5	8
100	KTZ43.7	3.7	Three-phase	10.0	1.00	D.O.L.	62.5	8
80	KTZ35.5	5.5	Three-phase	25.0	0.60	D.O.L.	82	8
100	KTZ45.5	5.5	Three-phase	15.0	1.00	D.O.L.	82	8
100	KTZ47.5	7.5	Three-phase	30.0	0.80	D.O.L.	105	8
100	KTZ41.1	11	Three-phase	35.0	1.00	D.O.L.	133	8
150	KTZ67.5	7.5	Three-phase	15.0	1.60	D.O.L.	107	8
150	KTZ61.1	11	Three-phase	20.0	1.70	D.O.L.	136	8

• Dry weight of the pump excluding cable.

Dimensions Unit:mm

C.W.L.: Continuous Running Water Level

Model	d	A	A1	B	B1	D	H	W1
KTZ21.5	50	235	173	509	401	216	478	120
KTZ31.5	80	235	173	509	401	216	478	120
KTZ22.2	50	235	173	529	421	216	498	120
KTZ32.2	80	235	173	529	421	216	498	120
KTZ23.7	50	283	208	627	504	252	637	150
KTZ33.7	80	283	208	627	504	252	637	150
KTZ43.7	100	283	208	642	504	252	637	150
KTZ35.5	80	306	218	671	548	259	688	150
KTZ45.5	100	306	218	686	548	259	688	150
KTZ47.5	100	330	240	764	626	314	687	190
KTZ67.5	150	330	240	799	626	314	687	190
KTZ41.1	100	373	260	806	645	350	740	190
KTZ61.1	150	373	260	826	645	350	740	190

Major Standard Specifications

Item	Discharge bore (mm)			
	50	80	100	150
Pumping fluid	Type of fluid	Spring water, Rain water, Ground water, Sand carrying water		
	Liquid temperature	0 ~ 40°C		
Pump	Components	Impeller	Semi-open type	
		Shaft seal	Double mechanical seal, Water pressure endurance	
	Materials	Bearing	Shielded ball bearing	
		Impeller	Chromium iron casting	
		Casing	Gray iron casting	
		Suction cover	Ductile iron casting	
Shaft seal (mechanical seal)	Silicon carbide			
Motor	Type, Poles	Dry-type submersible induction motor, 2 poles		
	Insulation	Class F		
	Phase / Voltage	Three-phase / 220V, 380V, 400V, 415V, 440V, 460V		
	Motor protector(Built-in)	Circle thermal protector		
	Lubricant	Turbine oil (ISO VG32)		
	Materials	Frame	Gray iron casting	
Shaft		Stainless steel #420		
Cable		PVC Chloroprene rubber		
Discharge connection	Hose coupling			

Standard Accessories

- Cabtyre cable 1pc
- Hose coupling 1pc

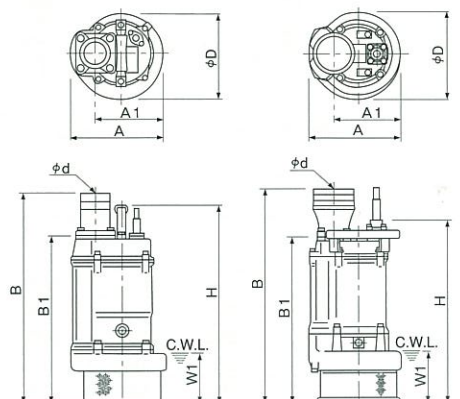
Optional Specifications

- Extended cable
- Special paint

C.W.L.: Continuous Running Water Level

1.5kW ~ 5.5kW

7.5kW ~ 11kW



HS

General Dewatering Pumps

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



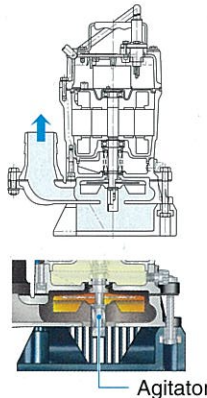
Individual Features

Spiral Design

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

Air Lock Prevention

The shaft-mounted agitator prevents the "air lock" that tends to take place on semi-vortex or 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	Ductile Iron Casing	
		Outer Cover	Steel Plate	
Shaft Seal		Silicon Carbide		
Motor	Type, Pole	Dry Type Submersible Induction Motor, 2-pole		
	Class of 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 Casting	
Shaft		403 Stainless Steel		
Cable		PVC		

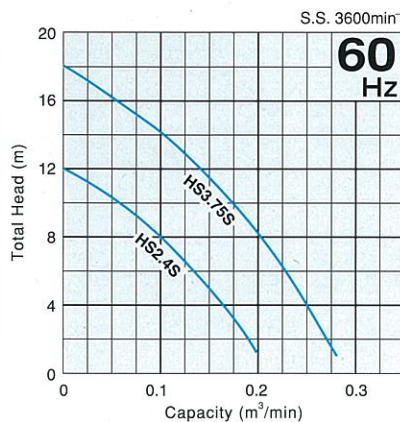
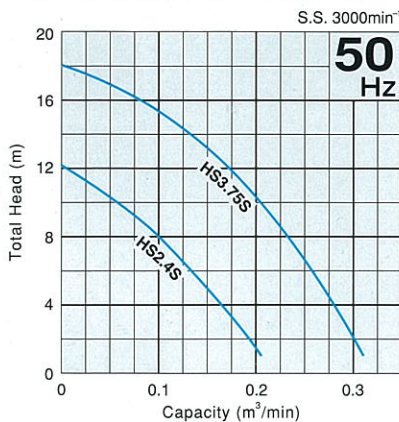
Applications

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

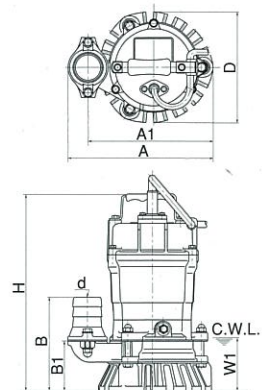
Standard Accessories

- 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							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 on request ● Dry weight excluding cable