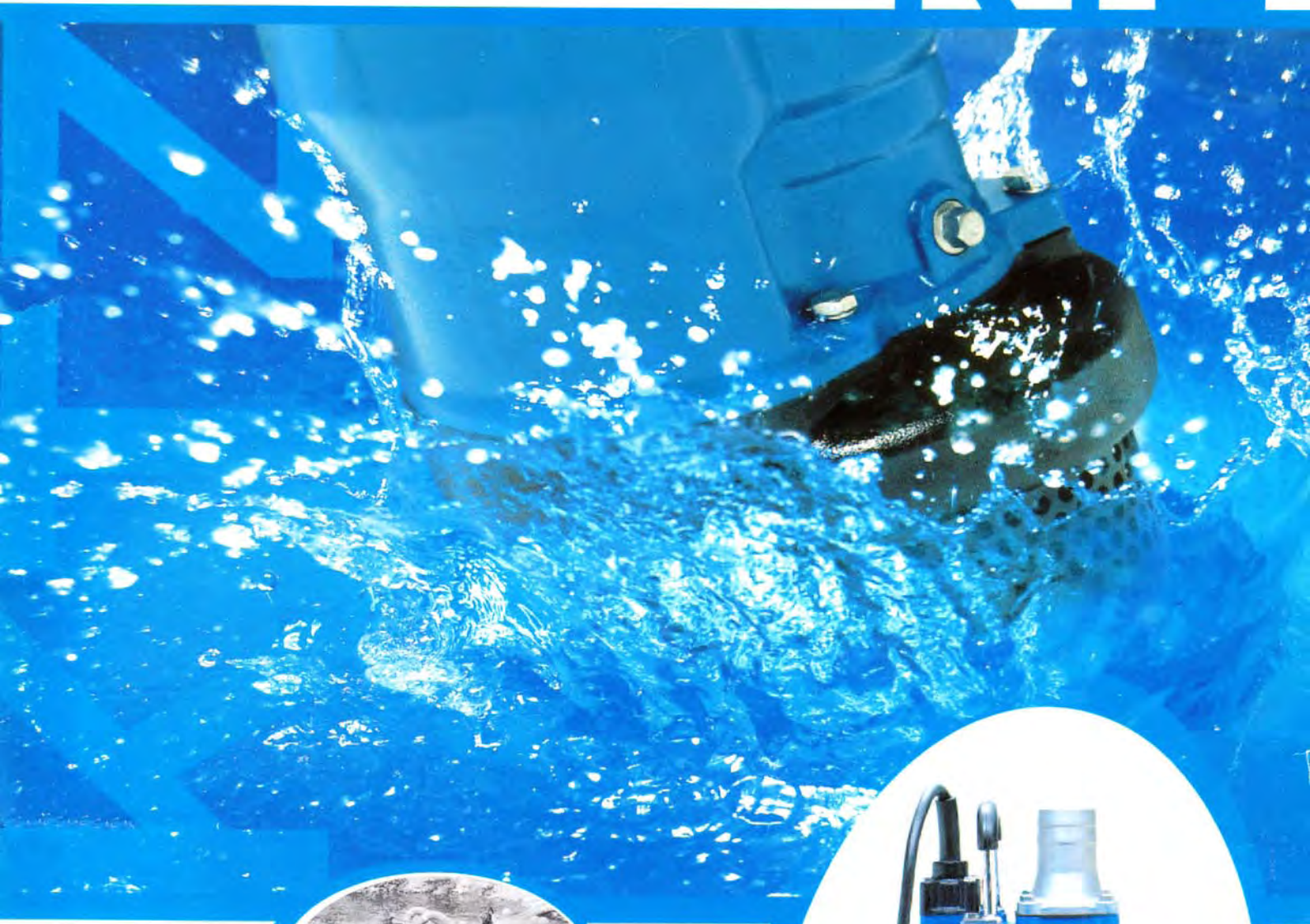




Sumersible Drainage Pumps

KTZ



**for General Construction Work
2-pole Motor Series**

Rugged

The cast iron pump body presents a different way of top durability that can not be obtained by the aluminum body pumps. A choice is possible between high head version and high volume version in every motor size.

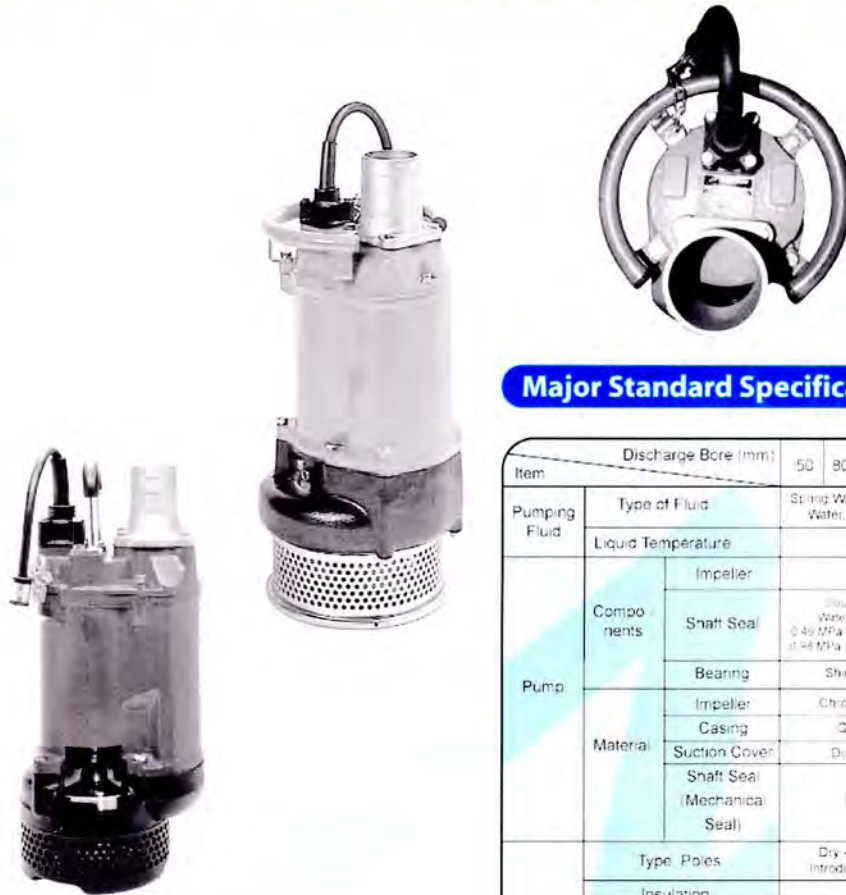
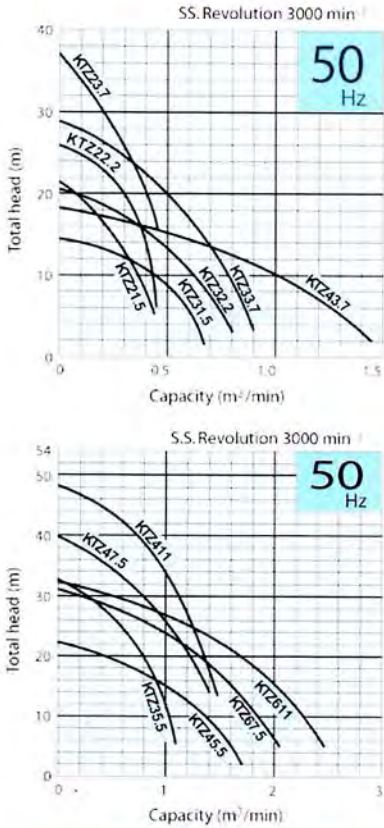
Increased Water - Pressure Resistance

A newly developed mechanical seal endures water pressure of up to 0.98MPa {10kgf/cm²}. This has made our KTZ submersible pumps usable at greater depth, such as in deep wells, to say nothing of use at general construction sites.



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

Performance Curves



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	Open Type
		Shaft Seal	Double Mechanical Seal, Water Pressure Endurance: 0.49 MPa (5 kgf/cm²), (1.5 - 2.2 kW) or 0.98 MPa (10 kgf/cm²), (3.7 - 11 kW)
	Bearing	Shielded Ball Bearing	
	Material	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 Introduction 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)	
Material	Frame	Gray Iron Casting	
	Shaft	Stainless Steel #420	
	Cable	PVC Sheath, Chloroprene Sheath	
Discharge Connection		Hose Coupling	

Specifications 50/60 Hz

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	150/16.5	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.

Dimension Unit : mm

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

Standard Accessories

- Cabtyre Cable 1pc
- Hose Coupling 1pc

Optional Specification

- Extended Cable
- Special Paint

C. W. L. Continuous Running Water Level
1.5 kW - 5.5 kW 7.5 kW - 11 kW

