

KTZ –Flagship Line–

The KTZ-series is a submersible three-phase cast iron high head heavy-duty drainage pump. The cast iron body with high-chromium cast iron impeller enables it to withstand demanding conditions found in construction, aggregate and mining applications. The top discharge, side flow design assures efficient motor cooling even when it operates with its motor exposed to air. The slim design allows the pump to be placed in a confined space. The discharge direction is selectable between vertical and inclined, which prevents folding or bending of the discharge hose. The pump with 7.5 to 22kW motor incorporates seal pressure relief ports that prevent the pumping pressure from applying to the shaft seal.



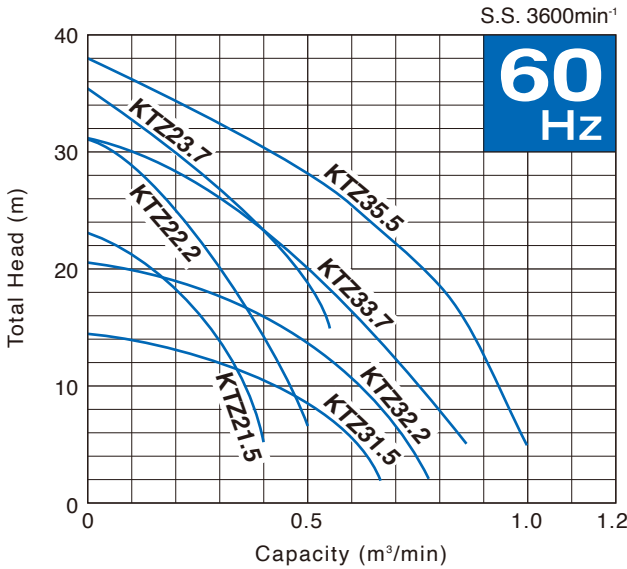
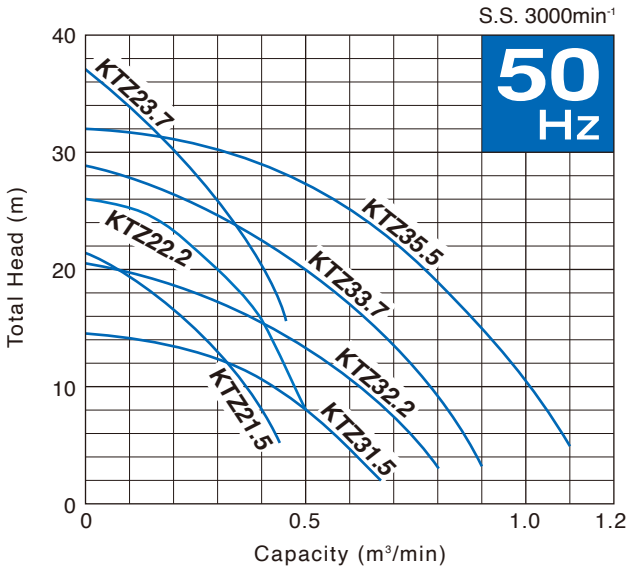
Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Solids Passage mm	Dry Weight*2 50 / 60Hz kg	Cable Length m
50	KTZ21.5	1.5	Three	D.O.L.	8.5	34	8
50	KTZ22.2	2.2		D.O.L.	8.5	35	8
50	KTZ23.7	3.7		D.O.L.*1	8.5	60	8
80	KTZ31.5	1.5		D.O.L.	8.5	33	8
80	KTZ32.2	2.2		D.O.L.	8.5	34	8
80	KTZ33.7	3.7		D.O.L.*1	8.5	60	8
80	KTZ35.5	5.5		D.O.L.*1	8.5	74	8
100	KTZ43.7	3.7		D.O.L.*1	8.5	60	8
100	KTZ45.5	5.5		D.O.L.*1	8.5	74	8
100	KTZ47.5	7.5		D.O.L.*1	12	101	8
100	KTZ411	11		D.O.L.*1	12	133	8
100	KTZ415	15		D.O.L.	12	146	8
100	KTZ422	22		D.O.L.	8.5	295 / 294	10
150	KTZ67.5	7.5		D.O.L.*1	20	100	8
150	KTZ611	11		D.O.L.*1	20	133	8
150	KTZ615	15		D.O.L.	20	147	8
150	KTZ622	22		D.O.L.	12	296 / 295	10

*1 Star-Delta available upon request

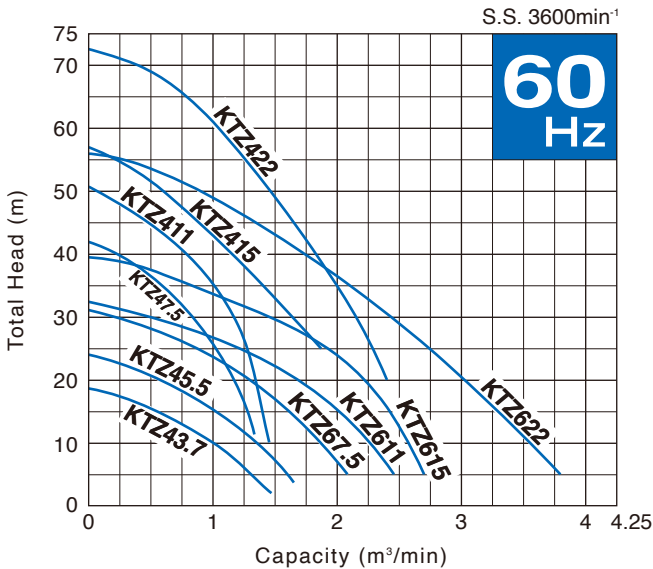
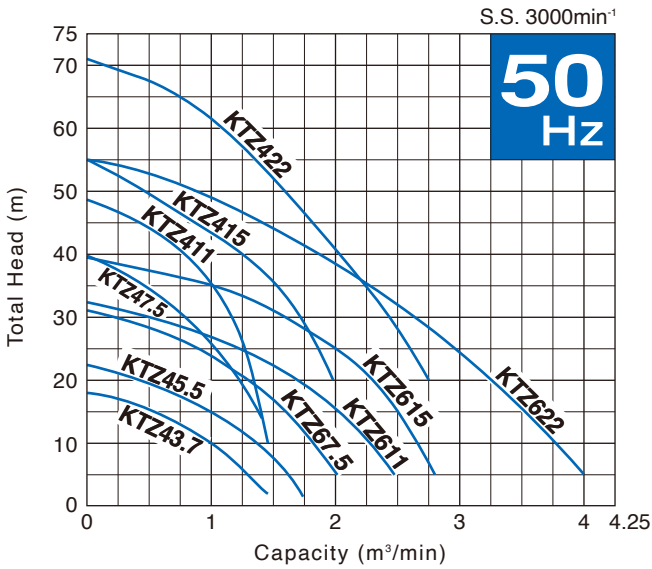
*2 Weights excluding cable

Performance Curves

< 50·80mm >

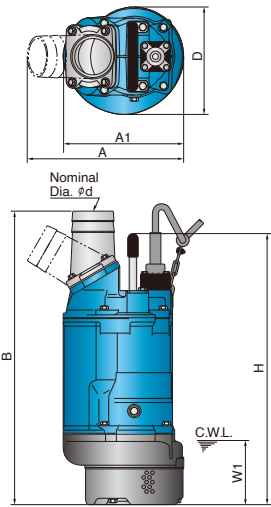


< 100·150mm >



Dimensions

Unit: mm							
Model	d	A	A1	B	D	H	W1
KTZ21.5	50	270	235	543	216	548	120
KTZ22.2	50	270	235	563	216	568	120
KTZ23.7	50	342	283	675	252	637	150
KTZ31.5	80	276	235	543	216	548	120
KTZ32.2	80	276	235	563	216	568	120
KTZ33.7	80	347	283	675	252	637	150
KTZ35.5	80	358	306	719	258	688	150
KTZ43.7	100	367	283	690	252	637	150
KTZ45.5	100	377	306	734	258	688	150
KTZ47.5	100	399	330	812	314	697	190
KTZ411	100	428	374	864	350	740	190
KTZ415	100	428	374	934	350	810	190
KTZ422	100	528	485	1200	413	1123	330
KTZ67.5	150	445	361	875	314	697	190
KTZ611	150	457	374	884	350	740	190
KTZ615	150	457	374	954	350	810	190
KTZ622	150	558	485	1220	413	1123	330



KTZE –Automatic Operation with Electrode–

The KTZE-series is a submersible three-phase automatic cast iron high head heavy-duty drainage pump. An innovative electrode type relay unit built into the pump automatically starts and stops the pump to eliminate dry-running. This mechanism greatly reduces power consumption and extends operating life. The cast iron body with high-chromium cast iron impeller enables it to withstand demanding conditions found in construction, aggregate and mining applications. The top discharge, side flow design assures efficient motor cooling even when it operates with its motor exposed to air. The slim design allows the pump to be placed in a confined space. The discharge direction is selectable between vertical and inclined, which prevents folding or bending of the discharge hose.

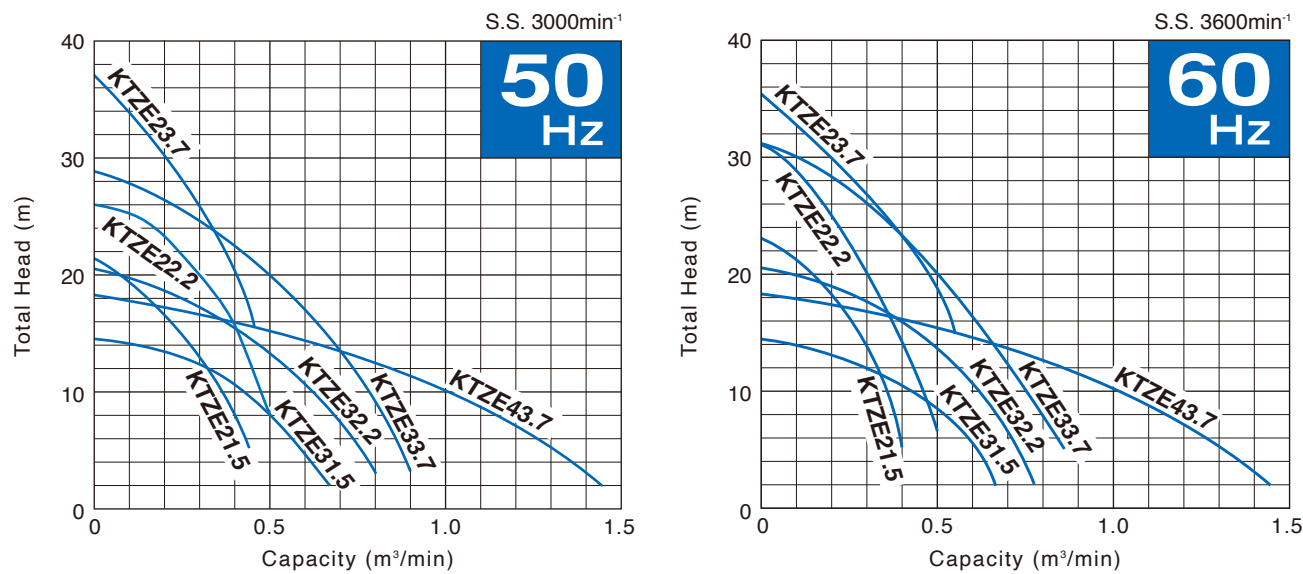
- ▶ No control panel required
- ▶ Dry-running prevention
- ▶ Pump life longer



Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Solids Passage mm	Dry Weight* kg	Cable Length m
50	KTZE21.5	1.5	Three	D.O.L.	8.5	39	8
50	KTZE22.2	2.2		D.O.L.	8.5	41	8
50	KTZE23.7	3.7		D.O.L.	8.5	69	8
80	KTZE31.5	1.5		D.O.L.	8.5	38	8
80	KTZE32.2	2.2		D.O.L.	8.5	40	8
80	KTZE33.7	3.7		D.O.L.	8.5	69	8
100	KTZE43.7	3.7		D.O.L.	8.5	69	8

* Weights excluding cable

Performance Curves



Dimensions

Unit: mm							
Model	d	A	A1	B	D	H	W1
KTZE21.5	50	270	235	623	224	628	345
KTZE22.2	50	270	235	643	224	648	355
KTZE23.7	50	342	283	755	252	717	435
KTZE31.5	80	276	235	623	224	628	345
KTZE32.2	80	276	235	643	224	648	355
KTZE33.7	80	347	283	755	252	717	435
KTZE43.7	100	367	283	770	252	717	435

