MINING DEWATERING PUMP

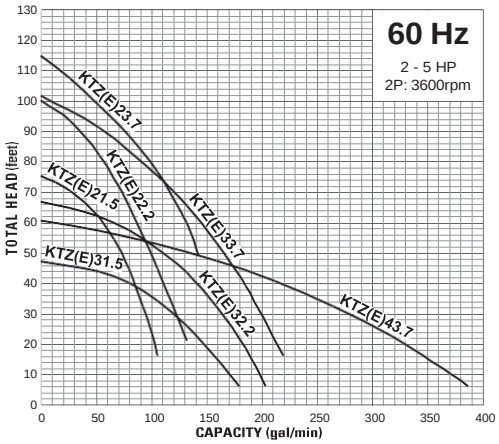
KTZ/KTZE

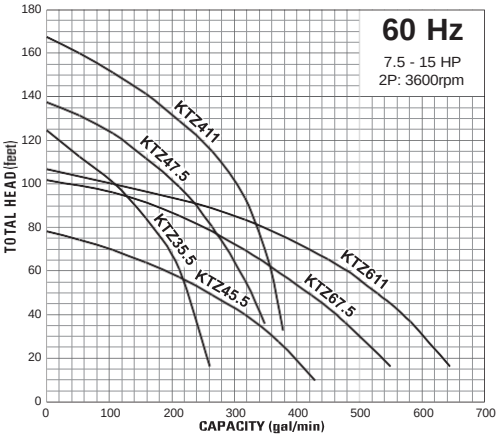
HIGH HEAD & HIGH VOLUME DEWATERING & SELF-CONTAINED AUTOMATIC OPERATION

The **KTZ series** is designed with high-chrome impellers to withstand the most demanding conditions, including highly abrasive liquids found in construction, aggregate and mining applications. Versatility is increased as each pump model has the capability of being easily converted between high head and high volume performance with a simple change of impeller and wear plate. Dual high-pressure silicon carbide mechanical seals are isolated in the oil chamber to protect the seal faces from abrasion and corrosion. Tsurumi incorporates Pressure Relief Ports on the 10HP and 15HP models, exposing the mechanical seal only to the pressure developed by the sump submergence level. This has virtually eliminated the premature wear and failure of mechanical seals in higher pressure applications.

The **KTZE series** offers the same features as the KTZ series with the added benefit of an integrally mounted electrode probe for turning the pump on and off automatically. Unnecessary dry-run is prevented to save energy and reduce wear without the need for auto control panels and cumbersome float assemblies. The pump installs and handles like a standard pump yet operates automatically by simply connecting to a manual control panel.

KTZE:
Built-in Automatic Operation
Allows a 3-phase pump to operate automatically in a smaller casing or sump where traditional float switches don't fit.





MATERIAL

Impeller:	High Chrome Iron
Casing:	Cast Iron
Mechanical Seal:	Silicon Carbide
Motor Frame:	Cast Iron
Shaft:	420 Stainelss Steel
Fasteners:	304 Staineless Steel
Cable:	PVC, Chloroprene Sheath

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	230V	460V	575V							
KTZ21.5	2	6.2*	6.0	3.1	2.3	3400	2	9 1/4	25 1/2	0.334	4 3/4	77
KTZ31.5	2	6.2*	6.0	3.1	2.3	3400	3	9 1/4	25 1/2	0.334	4 3/4	75
KTZ22.2	3	9.4*	9.0	4.5	3.5	3410	2	9 1/4	26 5/16	0.334	4 3/4	79
KTZ32.2	3	9.4*	9.0	4.5	3.5	3410	3	9 1/4	26 5/16	0.334	4 3/4	77
KTZ23.7	5	15*	13.6	6.8	5.3	3410	2	11 1/8	26 1/4	0.334	5 7/8	137
KTZ33.7	5	15*	13.6	6.8	5.3	3410	3	11 1/8	26 5/8	0.334	5 7/8	137
KTZ43.7	5	15*	13.6	6.8	5.3	3410	4	11 1/8	27 1/16	0.334	5 7/8	137
KTZ35.5	7.5	21*	19.7	10	7.9	3545	3	12 1/16	28 3/8	0.334	5 7/8	167
KTZ45.5	7.5	21*	19.7	10	7.9	3545	4	12 1/16	28 3/4	0.334	5 7/8	170
KTZ47.5	10	29.8*	27.3	13.3	10.4	3545	4	13	31 13/16	0.472	7 1/2	225
KTZ67.5	10	29.8*	27.3	13.3	10.4	3545	4 (6)*	13 (14 9/16)*	31 13/16 (31 7/8)*	0.787	7 1/2	225 (222)*
KTZ411	15	39.8*	37.4	18.6	14.9	3520	4	14 3/4	32 15/16	0.472	7 1/2	293
KTZ611	15	39.8*	37.4	18.6	14.9	3520	4 (6)*	14 3/4	32 15/16 (33 11/16)*	0.787	7 1/2	295

208 & 230V same motor ( ) 6inch is optional ( )* 6inch is optional

MODEL	MOTOR SPECIFICATIONS						Discharge Size (inch)	DIMENSION		Max. Solids Dia. (inch)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
	Output (HP)	Rated Current (A)				RPM		Diameter	Height			
		208V	220V	460V	575V							
KTZE21.5	2	6.2*	6.0	3.1	2.3	3400	2	9 1/4	28 11/16	0.334	13 5/8*	81
KTZE31.5	2	6.2*	6.0	3.1	2.3	3400	3	9 1/4	28 11/16	0.334	13 5/8*	79
KTZE22.2	3	9.4*	9.0	4.5	3.5	3410	2	9 1/4	29 7/16	0.334	14*	88
KTZE32.2	3	9.4*	9.0	4.5	3.5	3410	3	9 1/4	29 7/16	0.334	14*	86
KTZE23.7	5	15*	13.8	6.8	5.3	3410	2	11 1/8	29 7/16	0.334	17 1/8*	163
KTZE33.7	5	15*	13.8	6.8	5.3	3410	3	11 1/8	29 13/16	0.334	17 1/8*	163
KTZE43.7	5	15*	13.8	6.8	5.3	3410	4	11 1/8	30 3/16	0.334	17 1/8*	163

* 208 & 220V same motor *Pump Starting Water Level