



Bomba Sumergible Drenaje

Código: KTZ47.5-50



Bomba Sumergible Drenaje

Caudal óptimo: 0.80m³/min, Altura óptima: 30mca, Potencia Motor: 7.5kw,
Boca descarga: 100mm, Frecuencia: 50hz



Características

Bomba de calidad superior para un eficaz uso tanto en achique como en ingeniería civil.

Máxima profundidad de agua 25m.

De aplicaciones directa a las necesidades de trabajo tal y como viene de fabrica.

TSURUMI a fabricado esta potente serie de bombas para satisfacer la demanda de los trabajos de drenajes mas duros.

Especificaciones técnicas

Boca Descarga	Potencia Motor	Consumo Nominal	Altura a Caudal 0	Máximo Caudal	Peso en Seco sin Cable	Peso de Sólidos	Máx. Profundidad de Operación	Cable Eléctrico
100 mm	7,5 kw	15,0 A.	40,0 m	1400 l/min	100,0 kg	12 mm	25 m	20 m

Aplicación

Ideal para trabajos pesados de drenaje donde se requiera bombear caudales medios (0.25 a 1.7 m³/min) a alturas no superiores a 35mca, este diseño es el apropiado para faenas mineras o de obras civiles, estaciones de drenaje en ríos o lagos.



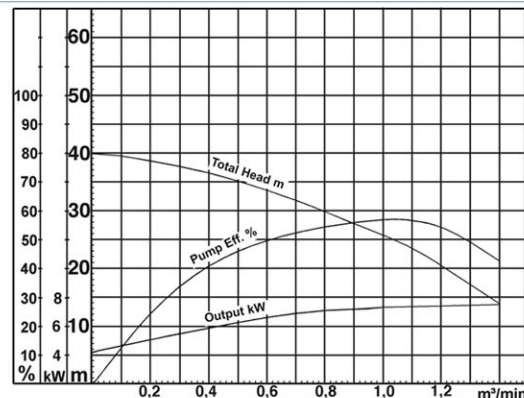
Descarga superior

El agua bombeada refirgera el motor y es descargada. El motor es refrigerado aún cuando solo se bombea una pequeña cantidad de agua. El diseño de descarga por arriba nos permite acceder a zonas de espacios limitados.

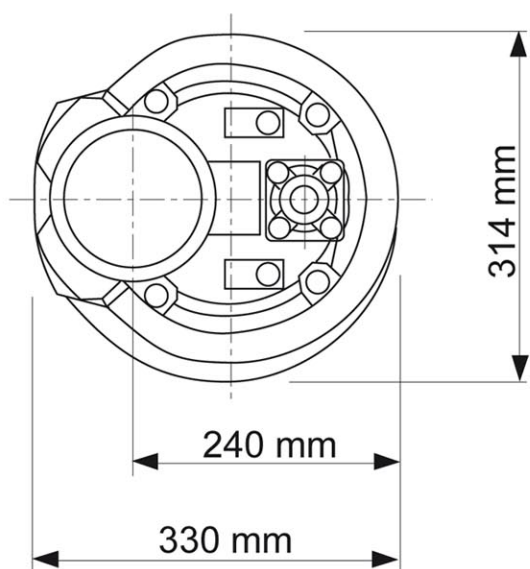
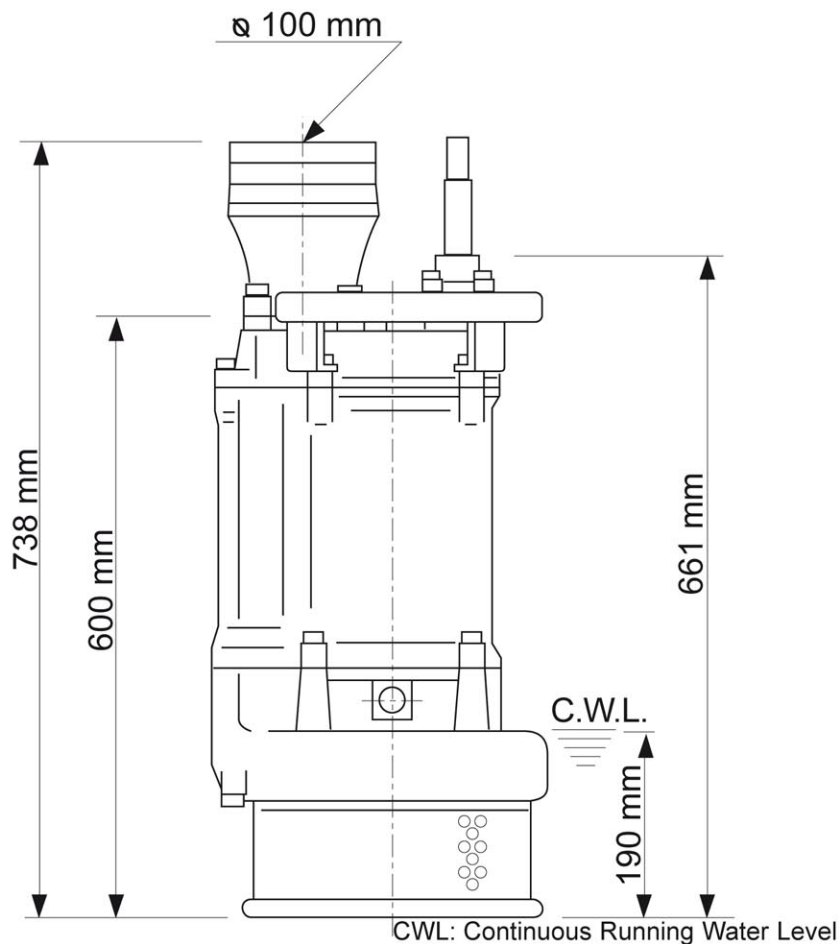


Curva de Rendimiento

Información curva



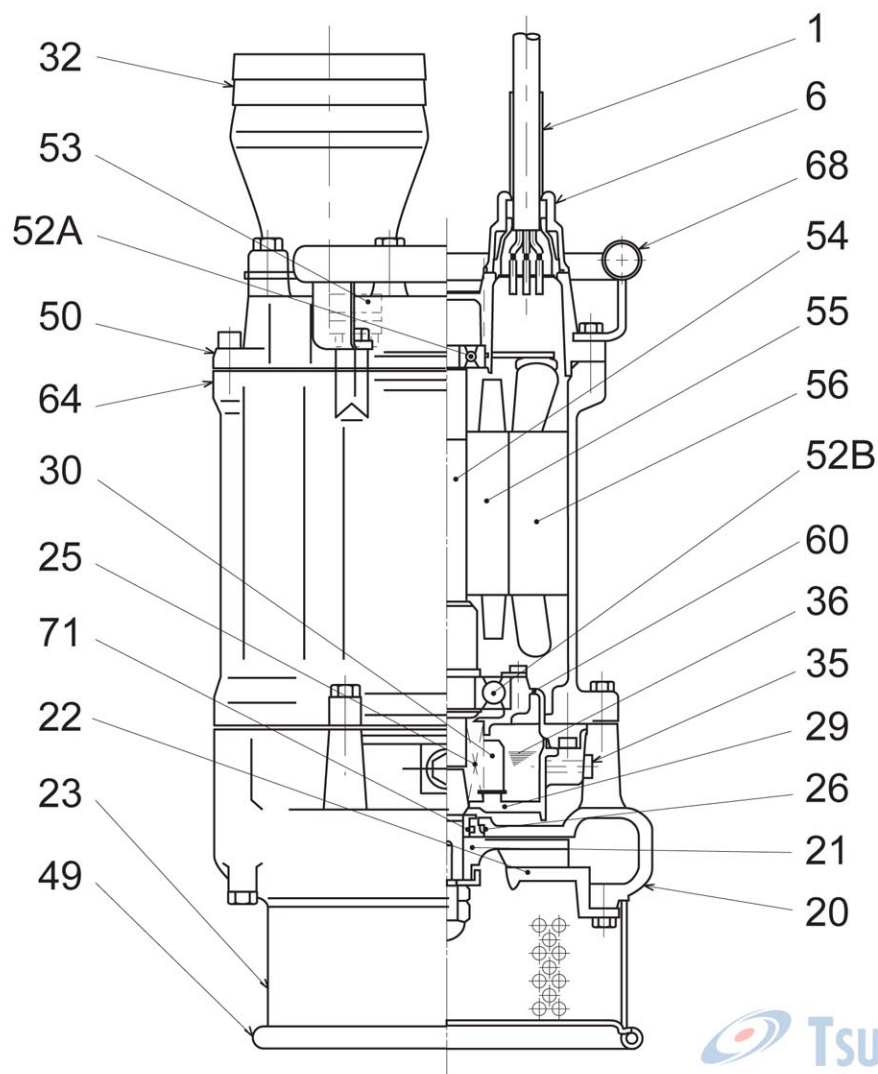
Dimensiones



KTZ47.5-50



Dibujo Seccional



No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cable	1	20m H07RN-F 4Cx4mm ²	50	Motor Bracket	1	FC150 (EN-GJL-150)
6	Stuffing Box	1	FC200 (EN-GJL-200)	52A	Upper Bearing	1	6305ZZC3
20	Pump Casing	1	FC200 (EN-GJL-200)	52B	Lower Bearing	1	6309ZZC3
21	Impeller	1	Chromium Iron Casting HiCrFC	53	Motor Protector	1	
22	Suction Cover	1	FCD500 (EN-GJS-500-7)	54	Shaft	1	SUS420J2 (EN-X30Cr13)
23	Strainer Stand	1	Steel Plate SPCC	55	Rotor	1	
25	Mechanical Seal	1	HT-3035	56	Stator Complete	1	
26	Labyrinth Ring	1	SUS304 (EN-X5CrNi18-10)	60	Bearing Housing	1	FC150 (EN-GJL-150)
29	Oil Casing	1	FC200 (EN-GJL-200)	64	Motor Frame	1	FC150 (EN-GJL-150)
30	Oil Ring	1	Steel Plate SPCC	68	Handle	1	Carbon Steel SGP/Structure Steel SS
32	Hose Coupling	1	Aluminium Alloy Casting ADC12	71	Shaft Sleeve	1	SUS304 (EN-X5CrNi18-10)
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)				
36	Lubricant		Turbine Oil ISO VG32				
49	Bottom Plate	1	Steel Plate SPCC				

MINING DEWATERING PUMP

KTZ/KTZE

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



KTZE:

Built-in Automatic Operation

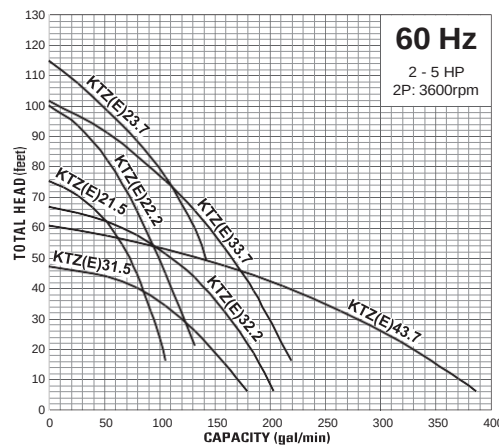
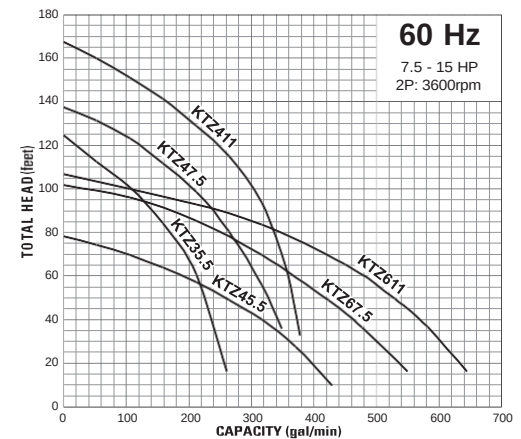
Allows a 3-phase pump to operate automatically in a smaller casing or sump where traditional float switches don't fit.

MATERIAL

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

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.



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

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		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



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The quality is in the blue...

