

KTZ 3-phase 50Hz

Heavy duty dewatering pump - for professional use





Top Discharge

Pumped water cools the motor and discharges as illustrated. The motor can be cooled even when pumping a small amount of water. The top discharge arrangement allows access into areas with space limitations.



Rugged

By offering a cast iron pump body, our durability is increased over standard aluminium body pumps. With each motor size there is a choice between high head and high volume performance ranges.

Efficient motor cooling

Slim line design with a top discharge offers economy of space. There is efficient motor cooling through a side flow channel.



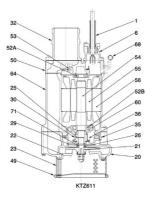
Increased water-pressure resistance

An newly developed mechanical seal endures water pressure of up to 2,5 kgf/cm². This makes the pumps usable at greater depth, such as in deep wells, to say nothing of use at general construction sites.

Components:

001	Cable
006	Cable entrance
020	Pump casing
021	Impeller
022	Suction plate
023	Strainer
025	Mechanical seal
026	Oil sealing
030	Oil lifter
032	Hose coupling
035	Oil plug

036	Lubricant
050	Motor cover
052A	Upper bearing
052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
060	Bearing housing
064	Motor casing
068	Handle



Cast Iron used:

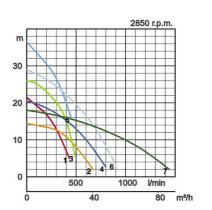
	Brinell hardness
Chromium iron casting	415 - 425
Grey iron casting EN-GJL-200	150 - 230
Ductile iron casting EN-GJS-500-7	150 - 220

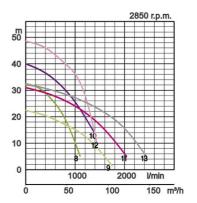
Specifications:

Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. I/min	Dry weight kg w/o cable	Max. solid handling ø mm	Max. water depth m	Cable length m
KTZ21.5	1	50	1,5	3,5	21,5	430	30,0	8,5	25	20
KTZ31.5	2	80	1,5	3,5	14,4	670	30,0	8,5	25	20
KTZ22.2	3	50	2,2	5,0	26,0	500	34,0	8,5	25	20
KTZ32.2	4	80	2,2	5,0	20,5	800	34,0	8,5	25	20
KTZ23.7	O 5	50	3,7	7,7	36,5	450	63,0	8,5	25	20
KTZ33.7	6	80	3,7	7,7	29,0	900	63,0	8,5	25	20
KTZ43.7	7	100	3,7	7,7	18,0	1440	63,0	8,5	25	20
KTZ35.5	8	80	5,5	11,4	32,0	1100	73,0	8,5	25	20
KTZ45.5	0 9	100	5,5	11,4	22,5	1740	73,0	8,5	25	20
KTZ47.5	1 0	100	7,5	15,0	40,0	1400	100,0	12	25	20
KTZ67.5	1 1	150	7,5	15,0	31,0	2030	99,0	20	25	20
KTZ411	12	100	11,0	22,0	48,5	1440	130,0	12	25	20
KTZ611	<u>13</u>	150	11,0	22,0	32,5	2440	131,0	20	25	20



ø Discharge bore mm			50, 80, 100, 150				
Pumping Fluid	Temperatur	e	0-40°C				
	Type of Flui	d	Spring water, Rain water, Ground water, Sand carrying water				
Pump	Compo- nents	Impeller	Semi-open type impeller				
		Shaft Seal	Double mechanical seal				
		Bearings	Shielded ball bearings				
	Material	Impeller	Chromium iron casting				
		Casing	Grey iron casting EN-GJL-200				
		Suction Plate	Ductile iron casting EN-GJS-500-7				
		Shaft Seal	Silicon carbide in oil bath				
Motor	Type, Poles		Induction motor, 2 poles, IP68				
	Lubrication		Turbine oil (ISO VG32)				
	Motor Prote	ector (built-in)	Circle thermal cut-out				
	Insulation		Insulation class F				
	Phase / Volta	age	3-phase / 400V / 50Hz / d.o.l.				
	Material	Casing	Grey iron casting EN-GJL-200				
		Shaft	Stainless steel EN-X30Cr13				
		Cable	Rubber, H07RN-F				
Discharge Connection			Threaded flange/Hose coupling				





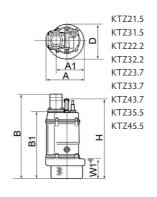
KTZ47.5

KTZ67.5 KTZ411

KTZ611

Dimensions in mm:

Model	Α	A1	В	B1	D	Н	W1
KTZ21.5	235	173	509	401	216	478	120
KTZ31.5	235	173	509	401	216	478	120
KTZ22.2	235	173	529	421	216	498	120
KTZ32.2	235	173	529	421	216	498	120
KTZ23.7	283	208	627	504	252	637	150
KTZ33.7	283	208	627	504	252	637	150
KTZ43.7	283	208	642	504	252	637	150
KTZ35.5	306	218	671	548	259	688	150
KTZ45.5	306	218	686	548	259	688	150
KTZ47.5	330	240	764	626	314	687	190
KTZ67.5	330	240	799	626	314	687	190
KTZ411	373	260	806	645	350	740	190
KTZ611	373	260	826	645	350	740	190



W1: lowest running water level

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. In this regard, please pay attention to our website www.tsurumi.eu/english/applications.htm.



Contributing to World-wide Prosperity and Understanding through Worker- and Environment-friendly Production.

Designed for increased productivity through fully integrated streamlined production systems, Tsurumi 's factory in Kyoto (Japan) features a production capacity of a full 1 million pumps per year. Large-scale modern R&D facilities offer optimum conditions for experimenting and testing of even super-large pumps and for developing new products to expand the possibilites and applications of pumps. To provide optimum conditions for our main asset, our workers, as well as for the environment, special emphasis is placed on optimized working conditions with airconditioning, minimized dust and exhaust gas emission, comprehensive recycling and waste recovery.

We reserve the right to change specifications and designs herein for improvement without prior notice. Our pumps are for professional use only. In the event that Tsurumi (Europe) GmbH have, in exceptional cases taken over, a manufacturer's warranty, this entitles the enduser to assert remedy free of charge against Tsurumi (Europe) GmbH due to any defect to the product occurring during the guarantee period (see below), also then when the warranty claims against the seller do not or no longer exist. In the event of malfunction, which is attributable to the improper handling by the enduser, no guarantee claim shall arise. Further claims shall not result from the warranty, unless if something to the contrary has explicitly been determined. The decision as to whether remedy is effected by way of replacement or repair shall be at the choice of Tsurumi (Europe) GmbH. The claims shall be time barred after a period of three months after expiry of the guarantee period, however, not before expiry of the warranty period which is valid towards the seller. In the event of doubt, the warranty period shall correspond with the warranty period which is valid between the end-user and his seller.

