

# KTV 3-phase 50Hz

Maximum durability, lightweight and portable - for professional use



## KTV 3-phase 50Hz

#### 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.



#### Lightweight

To lower the overall weight, pump materials have been changed in part to die-cast aluminium and specially treated synthetic rubber. Compared with Tsurumi's conventional pumps of the same type, this change has resulted in a 10kg weight reduction. An ergonomically designed handle facilitates relocation of the pump at construction sites.

#### Rugged

Specially prepared synthetic rubber parts including the casing, wear plate and duct sleeve protect the die-cast aluminium motor housing. This has resulted in amazingly increased wear resistance and other virtues such as:

- · Reduced need for general service maintenance.
- A pump immune to calcium carbonate deposits or scale



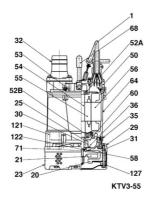
#### Low maintenance

The pump's lower part can be disassembled with a box wrench for effortless maintenance without impeller removal.

### Components:

001	Cable	052
020	Pump casing	053
021	Impeller	054
023	Strainer	055
025	Mechanical seal	056
029	Oil casing	058
030	Oil lifter	060
031	Wear plate	064
032.	Outlet	068
035	Oil plug	071
036	Lubricant	121
050	Motor cover	122
052A	Upper bearing	127

052B	Lower bearing
053	Motor protector
054	Shaft
055	Rotor
056	Stator
058	Washer
060	Bearing housing
064	Motor casing
068	Handle
071	Shaft sleeve
121	Packing
122	V-ring
127	Fixing plate
	053 054 055 056 058 060 064 068 071 121 122



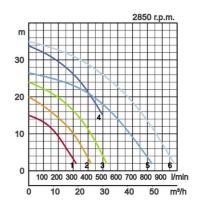
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#### Specifications:

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	Pressure resistance max. m	Cable length m
KTV2-8	<b>1</b>	50	0,75	1,8	15,0	320	11,5	6	10	10
KTV2-15	2	50	1,5	3,3	20,0	420	21,0	8,5	25	20
KTV2-22	<b>3</b>	50	2,2	4,3	24,0	525	23,0	8,5	25	20
KTV2-37H	4	50	3,7	7,4	33,8	500	36,0	8,5	25	20
KTV2-37	O 5	80	3,7	7,4	26,5	830	36,0	8,5	25	20
KTV3-55	6	80	5,5	11,0	35,0	980	47,0	8,5	25	20

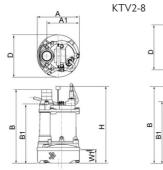


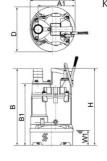
ø Discharge bore mm			50, 80				
Pumping Temperature		·e	0-40°C				
Fluid	Type of Flui	d	Spring water, Rain water, Ground water, Sand carrying water				
Pump	Compo-	Impeller	Semi-Vortex impeller				
	nents	Shaft Seal	Double mechanical seal				
		Bearings	Shielded ball bearings				
	Material	Impeller	Urethane rubber, Ductile iron casting EN-GJS-700-2				
		Casing	Synthetic rupper				
		Shaft Seal	Silicon carbide in oil bath				
Motor Type, Poles			Induction motor, 2 poles, IP68				
	Phase / Volt	age	3-phase / 400V / 50Hz / d.o.l.				
	Insulation		Insulation class E				
	Lubrication		Turbine oil (ISO VG32)				
	Motor Prote	ector (built-in)	Circle thermal cut-out				
	Material	Casing	Aluminium die casting				
		Shaft	Stainless steel EN-X30Cr13, Stainless steel EN-X6Cr13				
		Cable	Rubber, NSSHÖU				
Discharge Connection			Threaded flange/Hose coupling				

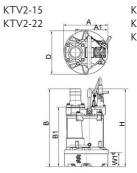


#### Dimensions in mm:

Model	Α	A1	В	B1	D	Н	W1
KTV2-8	200	155	353	281	200	369	65
KTV2-15	240	187	392	310	240	396	80
KTV2-22	240	187	412	330	240	416	80
KTV2-37H	285	211	510	387	285	510	90
KTV2-37	285	211	510	387	285	510	90
KTV3-55	300	229	545	422	300	545	90







KTV2-37 KTV2-37H KTV3-55

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.

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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.

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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.

