



Agitator Pumps

Slurry pumps suitable for most demanding jobs.
- for professional use

Forced agitation - the agitator installed on the motor shaft extension forcibly agitates the fluid for easy and efficient transmission of sludge and slurry.



Forced agitation

The agitator installed on the motor shaft extension forcibly agitates the fluid for easy and efficient transmission of sludge and slurry.



HSD

Page 3

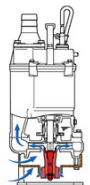
No wear plate to replace. Impeller and agitator made of chromium iron casting, pump casing made of ductile iron casting.



KTV2

Page 4

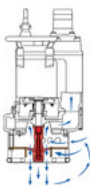
Special alloy rubber used for casing, high-chromium cast iron used for impeller. Simple maintenance - the pump's lower part can be disassembled with a box wrench for effortless maintenance without impeller removal.



KTD

Page 4

A powerful slurry pump using KTZ pumps as a base. Features wear resistance and durability.



KRD

Page 5

4-pole motor used to achieve a simple structure that demonstrates excellent durability and versatility. By offering a cast iron pump body durability is increased over standard aluminium body pumps.



GPN

Page 6

A special-steel impeller and suction plate have greatly increased the pump's life. The casing is designed to have wide passing area, thorough thickness and antiabrasion material. 4-pole motor used to achieve a simple structure that demonstrates excellent durability and versatility. Spiral structure, marvelously facilitates the passage of sand, soil, sludge, or slime - without clogging.



NKZ

Page 7

All pumps in this series provide very smooth passage of sandy earth and slime. A forcibly cooled motor ensures long and continuous pump operations exposed to the air.

4-pole motor used to achieve excellent durability and versatility.

By offering a cast iron pump body durability is increased over standard aluminium body pumps.

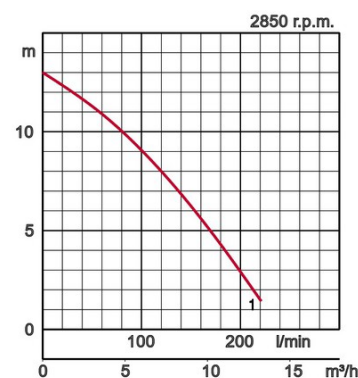
Specifications:

Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
HSD2.55S	1	50	0,55	3,4	13,2	220	14,0	10	10	10

Portable Agitator Pump for sludge and bentonite

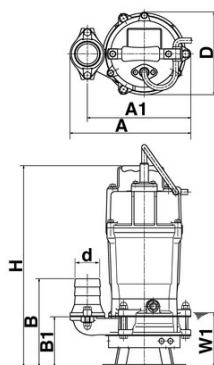


ø Discharge bore mm	50		
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Sand carrying water, Sludge, Bentonite	
Pump	Components	Impeller	Semi-Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Chromium iron casting
		Casing	Ductile iron casting EN-GJS-700-2
		Shaft Seal	Silicon carbide in oil bath
Motor	Phase / Voltage		Single phase 230V / 110V / 50Hz
	Lubrication		Turbine oil (ISO VG32)
	Type, Poles		Induction motor, 2 poles, IP68
	Motor Protector (built-in)		Miniature protector
	Insulation		Insulation class E
	Material	Casing	Aluminium die casting
Shaft		Stainless steel EN-X6Cr13	
Cable		Rubber, 10m H07RN8-F	
Discharge Connection	Threaded flange/Hose coupling		



Dimensions in mm:

Model	d	A	A1	B	B1	D	H	W1
HSD2.55S	50	241	200	171	97	186	421	105



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.

Agitator Pumps

Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m	Dimensions in mm:							
											A	A1	B	B1	D	H	W1	
KTV2-50	●	1	50	2,0	3,8	20,0	420	25,0	8,5	25	20	250	192	450	368	250	454	120
KTV2-80	●	2	80	3,0	6,1	22,5	720	38,0	8,5	25	20	295	216	550	427	295	550	130

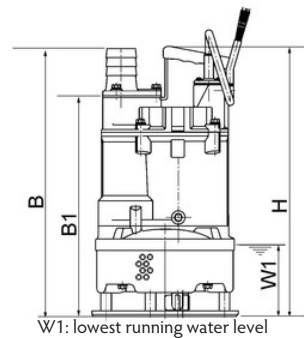
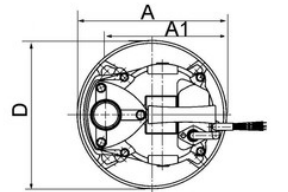
KTV2 3-phase 50Hz



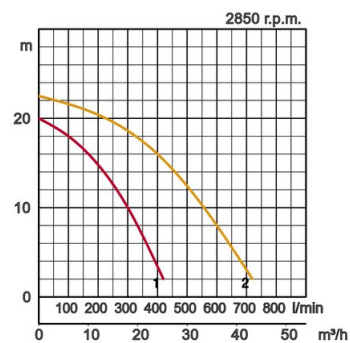
Light Weight Bentonite Pump

A powerful slurry pump using KTV pumps as a base. Features wear resistance, durability and extra light weight.

Pumping Fluid	Type of Fluid	Sludge, Slurry, Liquids containing mud	
	Temperature	0-40°C	
Pump	Components	Impeller	Semi-Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Chromium iron casting
		Casing	Synthetic rubber
		Shaft Seal	Silicon carbide in oil bath
Motor	Type, Poles	Induction motor, 2 poles, IP68	
	Lubrication	Turbine oil (ISO VG32)	
	Motor Protector (built-in)	Circle thermal cut-out	
	Phase / Voltage	3-phase / 400V / 50Hz / d.o.l.	
	Insulation	Insulation class E	
	Material	Casing	Aluminium die casting
		Shaft	Stainless steel EN-X6Cr13
Cable		Rubber, NSSHÖU	
Discharge Connection	Threaded flange/Hose coupling		



W1: lowest running water level

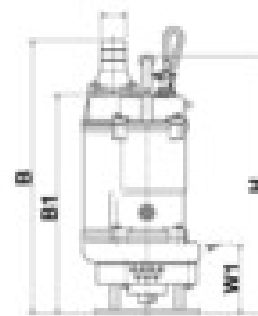
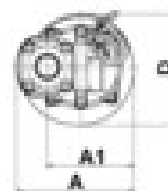


Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m	Dimensions in mm:							
											A	A1	B	B1	D	H	W1	
KTD22.2	●	1	50	2,2	5,3	21,5	550	38,0	10	25	20	235	173	550	442	221	519	140
KTD33.7	●	2	80	3,0	6,5	22,0	794	65,0	10	25	20	297	222	644	521	266	654	160

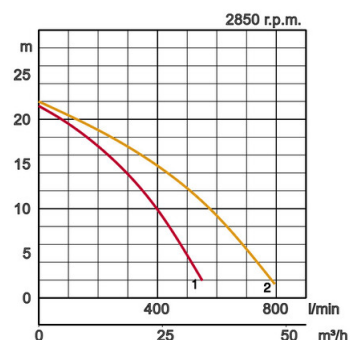
KTD 3-phase 50Hz



Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Sludge, Slurry, Liquids containing sandy mud and/or bentonite	
Pump	Components	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	Insulation	Insulation class F	
	Phase / Voltage	3-phase / 400V / 50Hz / d.o.l.	
	Lubrication	Turbine oil (ISO VG32)	
	Type, Poles	Induction motor, 2 poles, IP68	
	Motor Protector (built-in)	Circle thermal cut-out	
	Material	Casing	Grey iron casting EN-GJL-150
		Shaft	Stainless steel EN-X30Cr13
Cable		Rubber, NSSHÖU	
Discharge Connection	Threaded flange/Hose coupling		



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.

Specifications:

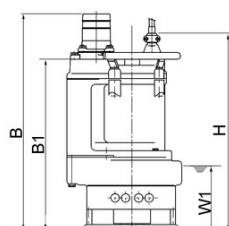
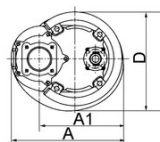
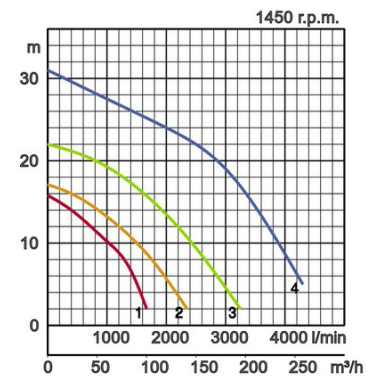
Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
KRD35.5	1	80	5,5	12,1	15,8	1670	107,0	30	15	20
KRD47.5	2	100	7,5	15,0	17,1	2350	145,0	30	15	20
KRD611	3	150	11,0	22,5	22,0	3250	170,0	30	15	20
KRS-200	4	200	18,0	35,0	31,0	4300	395,0	30	30	20

Heavy Duty Slurry Pump

Tsurumi's typical slurry pumps with a 4-pole motor for an increased lifetime and greater convenience.



ø Discharge bore mm		80, 100, 150, 200		
Pumping Fluid	Temperature	0-40°C		
	Type of Fluid	Sludge, Slurry, Liquids containing sandy mud and/or bentonite		
Pump	Components	Impeller	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	Chromium iron casting	
		Shaft Seal	Silicon carbide in oil bath	
Motor	Insulation		Insulation class F, Insulation class B	
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.	
	Lubrication		Turbine oil (ISO VG32)	
	Type, Poles		Induction motor, 4 poles, IP68	
	Motor Protector (built-in)		Circle thermal cut-out	
	Material	Casing	Grey iron casting EN-GJL-200, Grey iron casting EN-GJL-150	
		Shaft	Stainless steel EN-X30Cr13	
Cable		Rubber, NSSHÖU		
Discharge Connection		Threaded flange/Hose coupling		



Dimensions in mm:

Model	A	A1	B	B1	D	H	W1
KRD35.5	351	259	836	715	326	815	265
KRD47.5	418	305	936	771	379	886	270
KRD611	436	323	961	778	407	913	270
KRS-200	576	445	1181	950	530	1140	285

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.

Specifications:

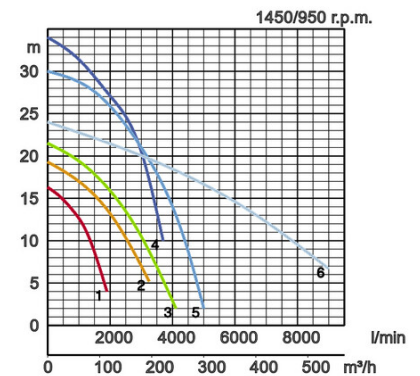
Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
GPN35.5	1	80	5,5	12,1	16,3	1900	160,0	30	20	20
GPN411	2	100	11,0	22,5	19,3	3250	239,0	30	20	20
GPN415	3	100	15,0	22,5	21,5	4110	242,0	30	20	20
GPN422	4	100	22,0	42,5	34,0	3700	415,0	30	20	20
GPN622	5	150	22,0	42,5	30,0	5000	415,0	30	30	20
GPN837	6	200	37,0	74,0	24,0	9000	815,0	30	30	20



Heavy Duty Sand Pump

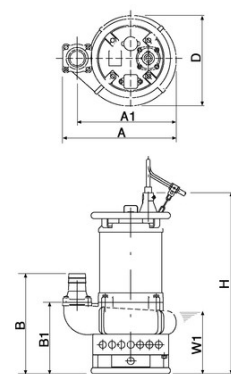
A special steel impeller and suction plate have greatly increased the pump's life. The casing is designed to have wide passing area, thorough thickness and anti-abrasion material.

ø Discharge bore mm	80, 100, 150		
Pumping Fluid	Type of Fluid	Sludge, Slurry, Liquids containing sandy mud and/or bentonite	
	Temperature	0-40°C	
Pump	Components	Impeller	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	Chromium iron casting
		Shaft Seal	Silicon carbide in oil bath
Motor	Insulation		Insulation class F, Insulation class B
	Type, Poles		Induction motor, 4 poles, IP68, 6 poles
	Lubrication		Turbine oil (ISO VG32)
	Motor Protector (built-in)		Circle thermal cut-out
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l., 3-phase / 400V / 50Hz / s.d.
	Material	Casing	Grey iron casting EN-GJL-200, Grey iron casting EN-GJL-150
		Shaft	Chromium-molybdenum steel (DIN 1.7220)
Cable		Rubber, NSSHÖU	
Discharge Connection	Threaded flange/Hose coupling		



Dimensions in mm:

Model	A	A1	B	B1	D	H	W1
GPN35.5	487	425	449	326	390	841	290
GPN411	617	518	500	347	452	924	315
GPN415	617	518	500	347	452	924	315
GPN422	725	625	528	335	573	1102	300
GPN622	725	625	528	335	572	1102	300
GPN837	1015	850	898	615	749	1606	560



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.

Specifications:

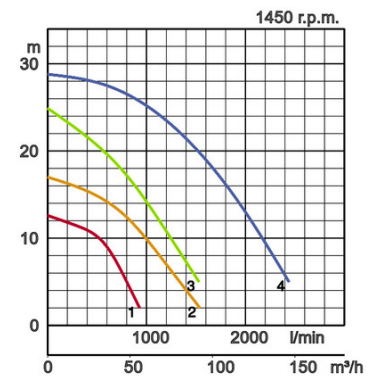
Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
NKZ3-C3	1	80	2,2	5,1	12,6	930	91,0	30	15	20
NKZ3-D3	2	80	3,7	8,0	17,0	1540	100,0	30	15	20
NKZ35.5	3	80	5,5	12,1	24,9	1530	146,0	20	15	20
NKZ411	4	100	11,0	22,5	28,8	2440	217,0	20	15	20

All Purpose Sand Pumps

All pumps in this series provide very smooth passage of sandy earth and slime. A forcibly cooled motor ensures long and continuous pump operations exposed to the air.

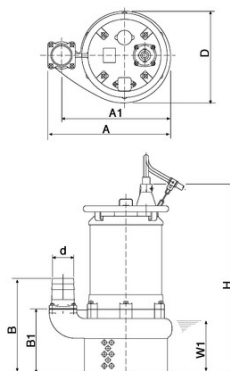


ø Discharge bore mm		80, 100	
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Liquids containing sandy mud, Sand carrying water	
Pump	Components	Impeller	Open type impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Ductile iron casting EN-GJS-700-2, Chromium iron casting
		Casing	Grey iron casting EN-GJL-200
		Suction Plate	Grey iron casting EN-GJL-200, Ductile iron casting EN-GJS-700-2
Shaft Seal	Silicon carbide in oil bath		
Motor	Insulation		Insulation class E, Insulation class F
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Lubrication		Turbine oil (ISO VG32)
	Type, Poles		Induction motor, 4 poles, IP68
	Motor Protector (built-in)		Circle thermal cut-out
	Material	Casing	Grey iron casting EN-GJL-150, Grey iron casting EN-GJL-200
		Shaft	Stainless steel EN-X30Cr13
Cable		Rubber, NSSHÖU	
Discharge Connection		Threaded flange/Hose coupling	



Dimensions in mm:

Model	d	A	A1	B	B1	D	H	W1
NKZ3-C3	80	467	405	371	249	370	664	225
NKZ3-D3	80	467	405	371	249	370	664	225
NKZ35.5	80	491	430	386	263	400	798	220
NKZ411	100	546	485	421	283	413	885	240



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 possibilities 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.

Tsurumi (Europe) GmbH

Wahlerstr. 10
D-40472 Düsseldorf
Tel.: +49 (0)211-4179373
Fax: +49 (0)211-417937-480
Email: sales@tsurumi.eu
www.tsurumi.eu

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.



con-agitator-EN

