



TSURUMI PUMP

100UPZ 3-phase 50Hz

UPZ-series 100mm discharge,
wet-well and dry-well installation, hydraulically
highly efficient channel impeller and IE3 premium
efficiency motor, moisture sensor

Sewage pump equipped with a vortex-impeller and a wide pump-casing. This construction prevents clogging by big or fibrous impurities. The pumps are as a standard equipped with a moisture sensor and a cooling jacket and thus can constructively be installed dry- and wet-well mounted. Option for explosion-proof version available.





Vortex Impeller

This impeller is used mainly to avoid clogging or wear by large or stringy solids in the water. It accelerates part of the water to great speed, and this speed is used to smoothly move all the water from inlet to outlet.

Optional Accessories:

- duck-foot for guide rails:
 - guide support
 - duck foot
- Bend
- Stand set for free-standing version



Available options

- Explosion proof version
- Oil sensor
- Motor versions up to 2.9 kW in d.o.l., 3.7kW-motor either in d.o.l.- or star-delta-start, from 5 kW on only start-delta-start
- All pumps can be operated with soft-starter and frequency-converter

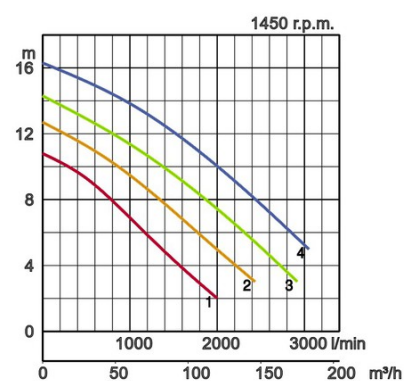


Specifications:

Model		Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting										free standing	with guide rail fitting	
100UPZM43.7	TOS100UPZM43.7		1	100	3,7	3	1450	10,8	2000	star/delta	123,0	123,7	100
100UPZM45.0	TOS100UPZM45.0		2	100	5,0	3	1450	12,7	2433	star/delta	126,0	126,0	100
100UPZM46.5	TOS100UPZM46.5		3	100	6,5	3	1450	14,3	2917	star/delta	144,0	144,0	100
100UPZM48.5	TOS100UPZM48.5		4	100	8,5	3	1450	16,3	3050	star/delta	144,0	144,0	100

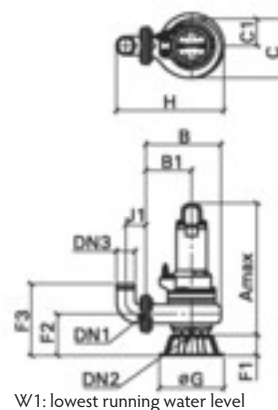
3.7 kW version available in d.o.l. or star-delta

ø Discharge bore mm		100mm	
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Municipal sewage	
Pump	Components	Impeller	Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Grey iron casting EN-GJL-250
		Casing	Grey iron casting EN-GJL-250
		Shaft Seal	SiC, upper in oil bath
		Wearing	Bronze
Motor	Type, Poles		Induction motor, 4 poles, IP68
	Phase / Voltage		3-phase / 400V / 50Hz / s.d.
	Insulation		Insulation class H
	Motor Protector (built-in)		Miniature protector
	Lubrication		Turbine oil (ISO VG32)
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X14Cr-Mo-S17
Cable		Rubber, 10m H07RN8-F	
Discharge Connection		Flange DIN/ANSI DN100 (PN10)	
Optional Accessories		Guide rail fitting "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types	



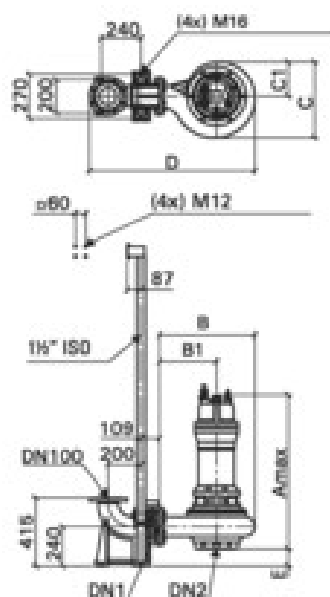
Dimensions in mm:

Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
100UPZM43.7	751	410	250	310	155	100	100	4"	125	225	410	395	627	122
100UPZM45.0	751	460	280	336	168	100	100	4"	125	225	410	395	657	122
100UPZM46.5	821	460	280	336	168	100	100	4"	125	225	460	395	657	122
100UPZM48.5	821	460	280	336	168	100	100	4"	125	225	410	395	657	122



Dimensions - guide rail fitting type in mm:

Model	A	B	B1	C	C1	D	DN1	DN2	E
100UPZM43.7	751	410	250	310	155	834	100	100	140
100UPZM45.0	751	460	280	336	168	884	100	100	140
100UPZM46.5	821	460	280	336	168	884	100	100	140
100UPZM48.5	821	460	280	336	168	884	100	100	140



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.

sew-UPZ_100mm-EN

