



**TSURUMI PUMP**

**UX** 3-phase  
50Hz

Submersible sewage pumps - Explosion proof  
- ATEX II 2G EX d IIB T4

The UX pump features a vortex (eddy flow) structure and wide pump casing interior, preventing clogging by waste and solid matter.





## 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:

- Guide rail fitting consisting of:
  - Guide support / Guide hook
  - Duck foot bend
  - Lifting chain



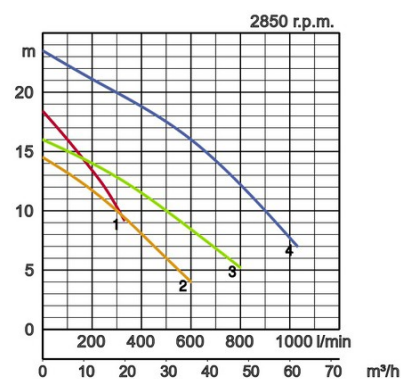
**ATEX**  **II 2G Ex d IIB**



## Specifications:

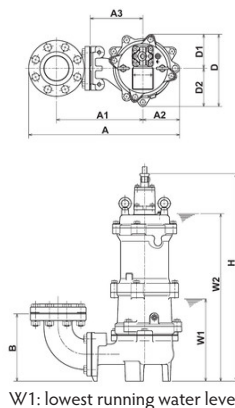
Model		Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
free standing	with guide rail fitting									free standing	with guide rail fitting	
50UX21.6	TOS50UX21.6	● 1	50	1,6	3	2850	18,4	330	direct	41,0	39,0	35
80UX21.6	TOS80UX21.6	● 2	80	1,6	3	2850	14,5	600	direct	48,0	44,0	46
80UX22.4	TOS80UX22.4	● 3	80	2,4	3	2850	16,0	800	direct	62,0	58,0	56
80UX24.0	TOS80UX24.0	● 4	80	4,0	3	2850	23,5	1030	direct	71,0	67,0	56

ø Discharge bore mm		50mm, 80mm	
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Municipal sewage, water with solids	
Pump	Components	Impeller	Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Casing	Grey iron casting EN-GJL-200
		Impeller	Grey iron casting EN-GJL-200
Shaft Seal	Silicon carbide in oil bath		
Motor	Type, Poles		Induction motor, 2 poles, IP68, Induction motor, 4 poles, IP68
	Lubrication		Turbine oil (ISO VG32)
	Insulation		Insulation class F
	Motor Protector (built-in)		Circle thermal cut-out
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Material	Casing	Grey iron casting EN-GJL-200
		Shaft	Stainless steel EN-X30Cr13
Cable		Rubber, 10m H07RN6G	
Discharge Connection		Inside thread, JIS10K flange	
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	A1	A2	A3	B	D	D1	D2	H	W1	W2
50UX21.6	297	147	114	-	101	225	112,5	112,5	625	180	490
80UX21.6	420	252	114	150	173	225	112,5	112,5	658	210	520
80UX22.4	502	287	123	175	225	238	112,5	112,5	694	275	560
80UX24.0	502	287	123	175	225	238	112,5	112,5	742	275	605

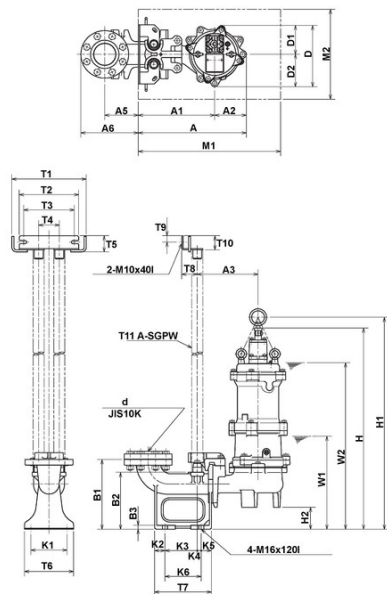


Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately



Dimensions - guide rail fitting type in mm:

Model	A	A1	A2	A3	A5	A6	D	D1	D2	W1	W2	H	H1	H2	M1	M2
50UX21.6	405	291	114	241	175	253	225	112,5	112,5	195	505	637	679	12	550	350
80UX21.6	384	270	114	210	130	223	225	112,5	112,5	315	625	760	802	102	550	350
80UX22.4	418	295	123	235	130	223	238	119	119	360	645	779	821	85	550	350
80UX24.0	418	295	123	235	130	223	238	119	119	360	690	827	869	85	550	350



W1: lowest running water level



Dischcharge bore mm	d	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	K1	K2	K3	K4	K5	K6	B1	B2	B3
50mm	50	250	230	185	70	63	160	200	50	25	55	25	120	40	110	10	40	120	250	203	15
80mm	80	288	230	195	80	63	190	220	60	25	55	32	140	40	125	15	40	140	270	220	15

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-LUX-EN

