



**U** 3-phase  
50Hz

**TSURUMI PUMP**

Sewage pump with vortex impeller

The U 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:

- TOK4-A guide rail fitting for small pumps:
  - Guide support / Guide hook
  - Duck foot bend
  - Lifting chain



## Specifications:

	Model		Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Dry weight kg without cable		Impeller passage mm	
	free standing	with guide rail fitting								free standing	with guide rail fitting		
autom.	40UA2.25	optional	1	40	0,25	3	2850	7,4	264	direct	14,5	-	35
	50UA2.4	optional	2	50	0,4	3	2850	11,0	270	direct	20,0	-	35
	50UA2.75	optional	3	50	0,75	3	2850	15,0	270	direct	24,0	-	35
manual	80U2.75	TOS80U2.75	4	80	0,75	3	2850	12,2	450	direct	29,0	24,0	46
	80U21.5	TOS80U21.5	5	80	1,5	3	2850	16,5	600	direct	40,0	36,0	46
	80U22.2	TOS80U22.2	6	80	2,2	3	2850	19,0	800	direct	55,0	51,0	56
	80U23.7	TOS80U23.7	7	80	3,7	3	2850	23,5	1030	direct	62,0	58,0	56

ø Discharge bore mm		50mm, 80mm	
Pumping Fluid		0-40°C	
Type of Fluid		Municipal sewage, water with solids	
Pump	Components	Impeller	
		Vortex impeller	
		Shaft Seal	
	Material	Bearings	
		Shielded ball bearings	
		Impeller	
Motor	Material	Casing	
		Grey iron casting EN-GJL-200	
		Shaft Seal	
		Grey iron casting EN-GJL-200	
		Silicon carbide in oil bath	
Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.	
Insulation		Insulation class E, Insulation class F	
Motor Protector (built-in)		Circle thermal cut-out	
Lubrication		Turbine oil (ISO VG32)	
Type, Poles		Induction motor, 2 poles, IP68	
Casing		Grey iron casting EN-GJL-150	
Shaft		Stainless steel EN-X6Cr13, Stainless steel EN-X30Cr13	
Cable		Rubber, NSSHÖU	
Discharge Connection			
Optional Accessories			

50mm, 80mm

0-40°C

Municipal sewage, water with solids

Vortex impeller

Double mechanical seal

Shielded ball bearings

Grey iron casting EN-GJL-200

Grey iron casting EN-GJL-200

Silicon carbide in oil bath

3-phase / 400V / 50Hz / d.o.l.

Insulation class E, Insulation class F

Circle thermal cut-out

Turbine oil (ISO VG32)

Induction motor, 2 poles, IP68

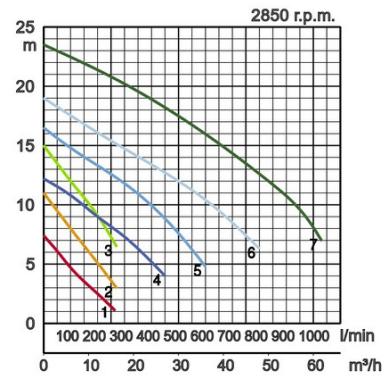
Grey iron casting EN-GJL-150

Stainless steel EN-X6Cr13, Stainless steel EN-X30Cr13

Rubber, NSSHÖU

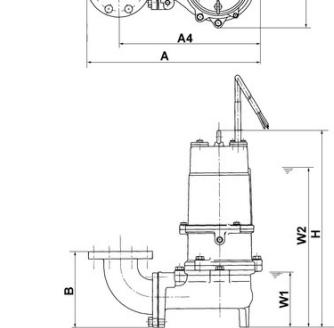
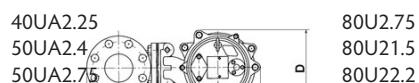
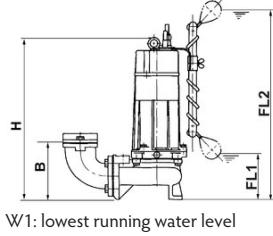
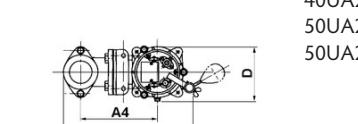
Inside thread, JIS10K flange

Guide rail fitting "TOK" for small pumps, Guide rail fitting "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types



## Dimensions in mm:

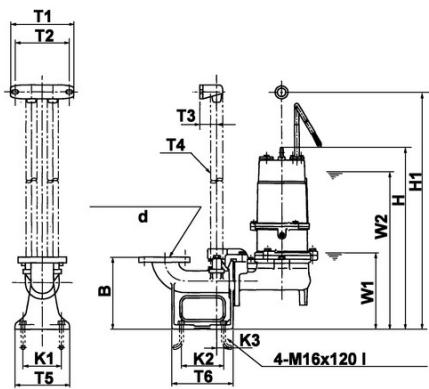
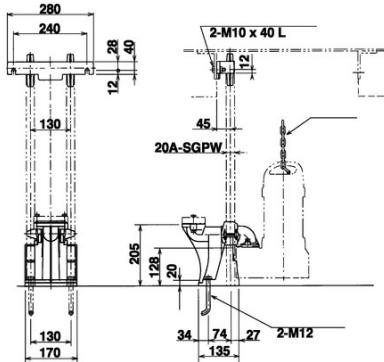
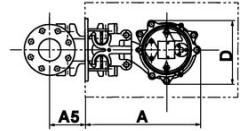
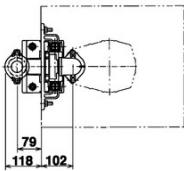
Model	A	A4	B	D	FL1	FL2	H	W1	W2
40UA2.25	241	207	107	194	100	585	433	-	-
50UA2.4	236	199	102	187	105	590	450	-	-
50UA2.75	383	246	102	172	105	590	475	-	-
80U2.75	383	329	173	172	-	-	421	130	385
80U21.5	420	366	173	200	-	-	501	135	430
80U22.2	502	410	225	240	-	-	562	160	490
80U23.7	502	410	226	234	-	-	565	160	520



## Dimensions - guide rail fitting type in mm:

Model	A	A5	D	H	H1	W1	W2
40UA2.25	-	-	-	-	-	-	-
50UA2.4	-	-	-	-	-	-	-
50UA2.75	-	-	-	-	-	-	-
80U2.75	347	130	172	523	710	230	490
80U21.5	389	130	200	603	-	240	530
80U22.2	418	130	240	647	-	245	575
80U23.7	418	130	234	650	895	245	610

40U, 50U:  
0,25kW-0,75kW



W1: lowest running water level

Discharge bore mm d T1 T2 T3 T4 T5 T6 K1 K2 K3 B1

80mm 80 230 195 60 32 190 220 140 140 15 270

## 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-U-EN

