



**U** 3-phase  
50Hz

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:

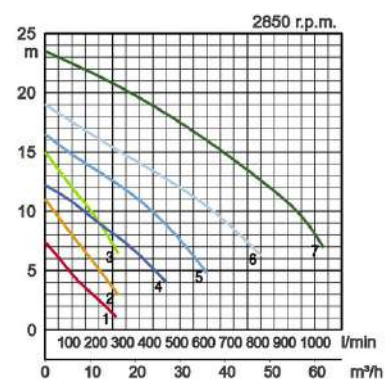
- TOK4-A guide rail fitting for small pumps:
  - Guide support / Guide hook
  - Duck foot bend
  - Lifting chain



## Specifications:

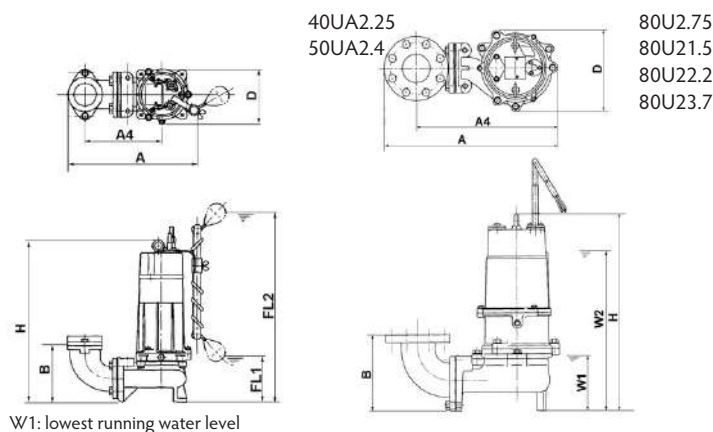
	Model		Colour code curve		Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm
	free standing	with guide rail fitting										free standing	with guide rail fitting	
autom.	40UA2.25	optional		1	40	0,25	3	2850	7,4	264	direct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

ø Discharge bore mm			50mm, 80mm
Pumping Fluid	Type of Fluid		Municipal sewage, water with solids
	Temperature		0-40°C
Pump	Components	Impeller	Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Grey iron casting EN-GJL-200
		Casing	Grey iron casting EN-GJL-200
		Shaft Seal	Silicon carbide in oil bath
Motor	Motor Protector (built-in)		Circle thermal cut-out
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Insulation		Insulation class E, Insulation class F
	Lubrication		Turbine oil (ISO VG32)
	Type, Poles		Induction motor, 2 poles, IP68
	Material	Casing	Grey iron casting EN-GJL-150
Shaft		Stainless steel EN-X6Cr13, Stainless steel EN-X30Cr13	
Cable		Rubber, NSSHÖU	
Discharge Connection			Inside thread, JIS10K flange
Optional Accessories			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	-	-
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

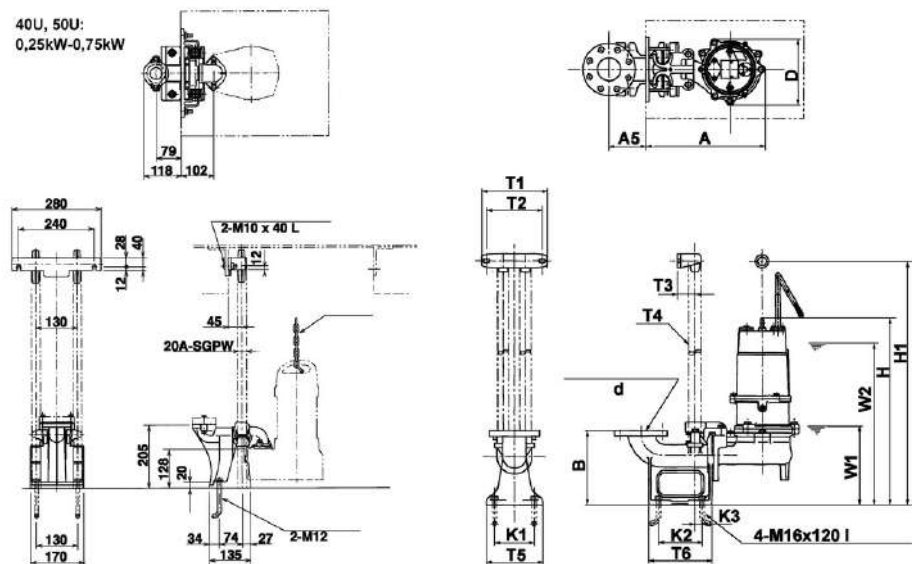




## Dimensions - guide rail fitting type in mm:

Model	A	A5	D	H	H1	W1	W2
40UA2.25	-	-	-	-	-	-	-
50UA2.4	-	-	-	-	-	-	-
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

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