



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:

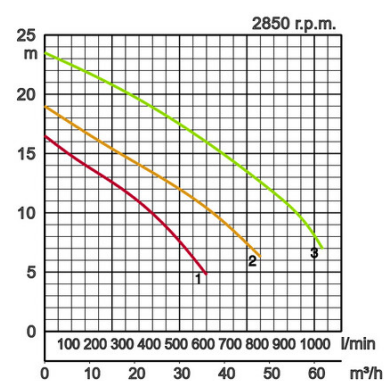
- TOK4-A guide rail fitting for small pumps:
 - Guide support / Guide hook
 - Duck foot bend
 - Lifting chain



Specifications:

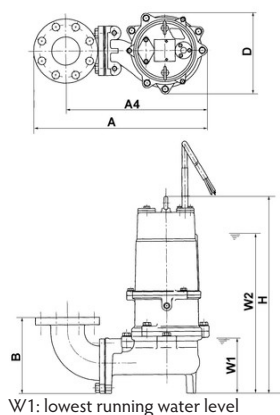
	Model		Colour code curve	Bore mm	Power output kW	Phases	r.p.m.	Head max. m	Capacity max. l/min	Starting method	Dry weight kg without cable		Impeller passage mm	
	free standing	with guide rail fitting									free standing	with guide rail fitting		
manual	80U21.5	TOS80U21.5		1	80	1,5	3	2850	16,5	600	direct	40,0	36,0	46
	80U22.2	TOS80U22.2		2	80	2,2	3	2850	19,0	800	direct	55,0	51,0	56
	80U23.7	TOS80U23.7		3	80	3,7	3	2850	23,5	1030	direct	62,0	58,0	56

ø Discharge bore mm		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	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		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	



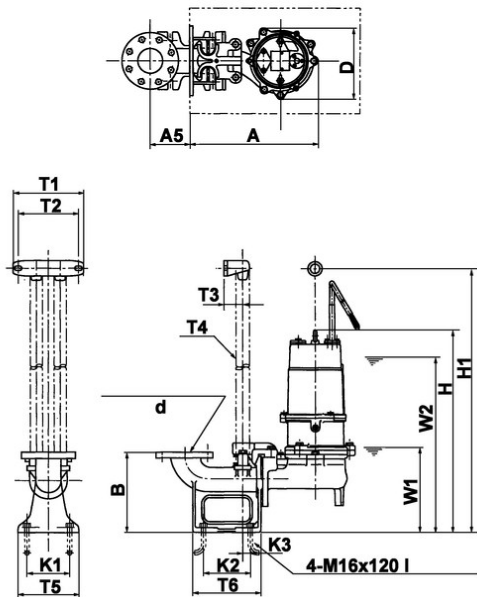
Dimensions in mm:

Model	A	A4	B	D	H	W1	W2
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
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



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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