

# Vortex impeller



# 100UY

 3-phase  
50Hz

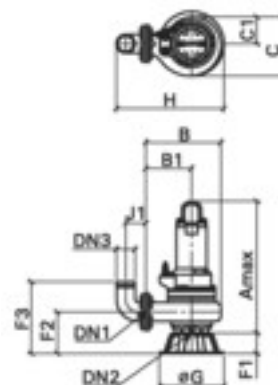
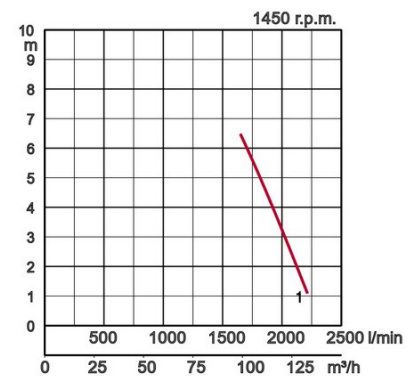
## Specifications:

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		
100UY46.5	TOS100UY46.5	●	1	100	6,5	3	1450	6,5	2214	star/delta	134,5	117,1	80

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



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		
	Lubrication	Turbine oil (ISO VG32)		
	Insulation	Insulation class H		
	Motor Protector (built-in)	Miniature protector		
	Phase / Voltage	3-phase / 400V / 50Hz / s.d.		
	Material	Casing	Grey iron casting EN-GJL-250	
		Shaft	Stainless steel EN-X5CrNiMo17-12-2	
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		



Model	A	B	B1	C	C1	DN1	DN2	DN3	F1	F2	F3	G	H	J1
100UY46.5	774	438	280	316	158	100	100	4"	125	213	398	395	657	122

W1: lowest running water level