

# Vortex impeller



# 100UYZ

3-phase  
50Hz

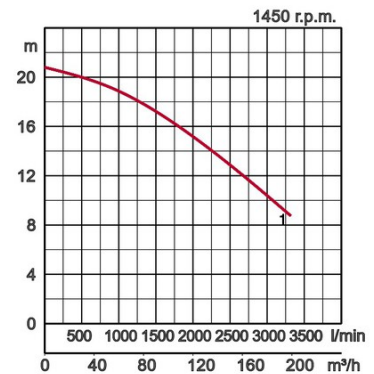
## Specifications:

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		
100UYZ412.2	TOS100UYZ412	●	1	100	12,2	3	1450	20,8	3300	star/delta	215,5	196,8	100

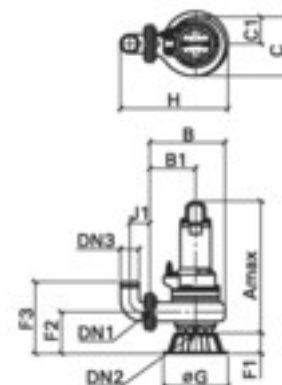
3.7 kW version available in d.o.l. or star-delta



ø 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
100UYZ412.2.994	576	345	457	207	100	150	4"	125	260	445	450	755	122	



W1: lowest running water level