

# Vortex impeller



**PU** 1-phase  
3-phase  
50Hz

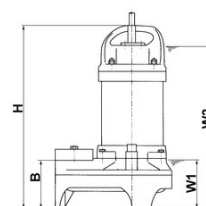
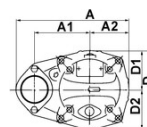
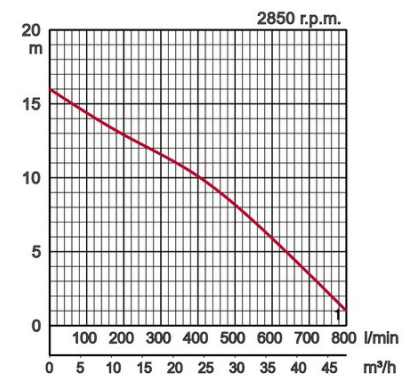
## Specifications:

manual	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		
	80PU21.5	optional		1	80	1,5	3	2850	16,0	800	direct	15,8	-	46

Light and solid - Guide rail fitting available for all models.



Discharge bore mm		80mm	
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Municipal sewage, water with solids	
Pump	Components	Impeller	Vortex impeller
		Shaft Seal	Double mechanical seal
		Bearings	Shielded ball bearings
	Material	Impeller	Glass fibre reinforced plastic
		Upper casing	Glass fibre reinforced plastic
		Lower casing	Plastic
	Shaft Seal	Silicon carbide in oil bath	
Motor	Type, Poles		Induction motor, 2 poles, IP68
	Lubrication		Turbine oil (ISO VG32)
	Insulation		Insulation class E
	Motor Protector (built-in)		Circle thermal cut-out
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Material	Casing	Stainless steel EN-X5CrNi18-10
Shaft		Stainless steel EN-X5CrNi18-10	
Cable		Rubber, 10m H07RN-F	
Discharge Connection		Inside thread, flange	
Optional Accessories		Guide rail fitting "TOK" for small pumps	



Model	A	A1	A2	B	D	D1	D2	H	W1	W2
80PU21.5	295	145	99	130	196	92	104	475	150	427

W1: lowest running water level

Updated 11/2017

Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately