

Canal impeller



100BY

3-phase
50Hz

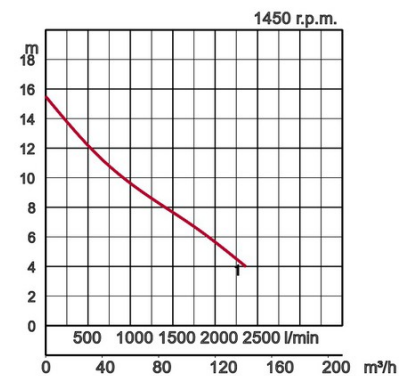
Specifications:

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	
100BY42.9	TOS100BY42.9	● 1	100	2,9	3	1450	15,5	1767	direct	118,0	118,0	80

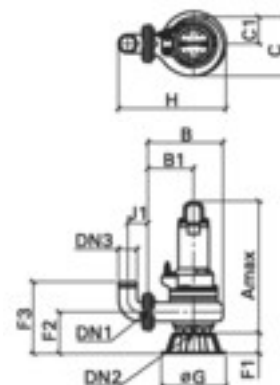
3.7 kW version available in d.o.l. or star-delta



∅ Discharge bore mm		100mm	
Pumping Fluid	Temperature	0-40°C	
	Type of Fluid	Municipal sewage	
Pump	Components	Impeller	Single channel 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 / d.o.l.
	Material	Casing	Grey iron casting EN-GJL-250
		Shaft	Stainless steel EN-X14Cr-Mo-S17
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
100BY42.9	692	460	280	357	163	100	100	4"	125	225	410	395	656	122



W1: lowest running water level