

# Canal impeller with cutter mechanism



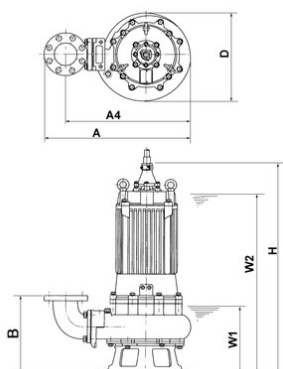
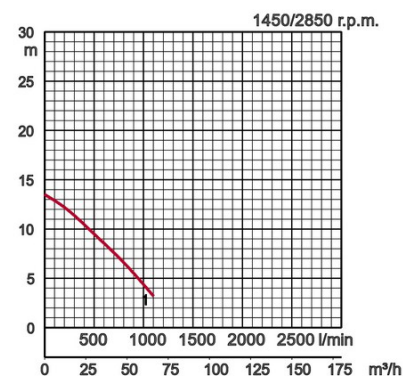
**C** 3-phase  
50Hz

## 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	
100C42.2	TOS100C42.2	● 1	100	2,2	3	1450	13,5	1100	direct	70,0	64,0	44



ø Discharge bore mm		100mm		
Pumping Fluid	Temperature	0-40°C		
	Type of Fluid	Wastewater and liquid carrying waste and foreign matters		
Pump	Components	Impeller	Non-clog impeller with cutter mechanism	
		Shaft Seal	Double mechanical seal	
		Bearings	Shielded ball bearings	
	Material	Impeller	Grey iron casting EN-GJL-200 with sintered tungsten carbide alloy tip	
		Casing	Grey iron casting EN-GJL-200	
		Suction Plate	Ductile iron casting EN-GJS-700-2	
	Shaft Seal	Silicon carbide in oil bath		
Motor	Type, Poles		Induction motor, 4 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	Grey iron casting EN-GJL-150	
Shaft		Stainless steel EN-X30Cr13		
Cable		Rubber, 10m H07RN-F		
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		



Model	A	A4	B	D	H	W1	W2
100C42.2	594	489	328	324	616	225	570

W1: lowest running water level