

# Canal impeller with cutter mechanism



**C** 3-phase  
50Hz

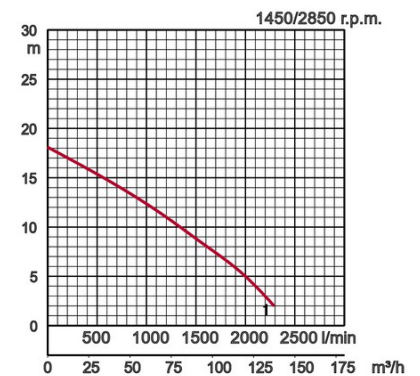
## Specifications:

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	
100C45.5	TOS100C45.5	● 1	100	5,5	3	1450	18,1	2290	direct	140,0	133,0	40

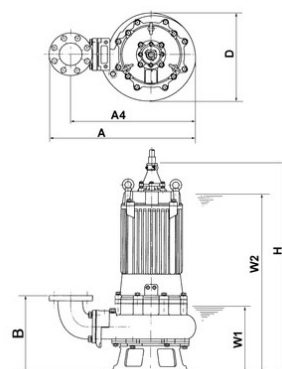


Carbide blades in an impeller-integrated structure cut up fibrous matter.

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 F
	Motor Protector (built-in)		Circle thermal cut-out
	Phase / Voltage		3-phase / 400V / 50Hz / d.o.l.
	Material	Casing	Grey iron casting EN-GJL-200
		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
100C45.5	687	582	372	400	824	335	700



W1: lowest running water level