

SEWAGE CUTTER IMPELLER

**CX 50Hz only** 

**TSURUMI PUMP**

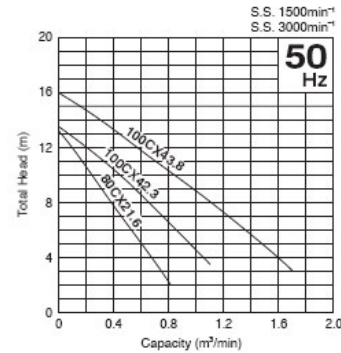
The CX-series is the explosion-proof type of the C-series and is available for operating in an area in which an explosive atmosphere occurs occasionally. The pump conforms to the relevant EU directives and is certified by ATEX II 2 G Ex d IIB T4 standard.



■ Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Dewatering wastewater from industrial plant (e.g. petrochemical plant, etc)
- Pumping wastewater from collection sump where explosive atmosphere is likely to present

■ Performance Curves



■ Major Standard Specifications

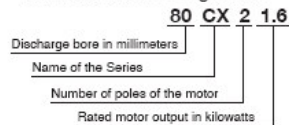
Discharge Bore	mm	80	100	
Pumping Fluid	Type of Fluid	Wastewater, and Liquid carrying Waste and Solid Matters		
	Fluid Temperature	0 to 40°C		
Pump	Impeller	Channel Impeller with Cutter Mechanism		
	Structure	Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Suction Cover	Ductile Iron Casting	
	Shaft Seal	SiC		
Motor	Type, Pole	Dry Type Submersible Induction Motor 2, 4-pole		
	Class of Insulation	Class F		
	Phase	Three-phase		
	Starting Method	Direct on Line		
	Protection Device (built-in)	Miniature Thermal Protector		
	Lubricant	Turbine Oil (ISO VG32)		
	Materials	Frame	Gray Iron Casting	
Shaft		420 Stainless Steel		
Cable		Chloroprene Rubber		
Discharge Connection	Screwed Flange (1.6kW only) JIS 10K Flange			

■ Standard Specifications

Discharge Bore mm	Model			Motor Output kW	Starting Method	Speed (S.S.) min <sup>-1</sup>	Impeller Passage mm	Dry Weight * kgs		Cabtyre Cable						
	Free Standing	Guide Rail Fitting						Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V		380 ~ 415 V		Length m	Material
		TOS	TS								Cores x mm <sup>2</sup>	Outer Dia. mm	Cores x mm <sup>2</sup>	Outer Dia. mm		
80	80CX21.6	TOS80CX21.6	TS80CX21.6	1.6	D.O.L	3000	43×60	47	45	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber
100	100CX42.3	TOS100CX42.3	TS100CX42.3	2.3	D.O.L	1500	67×56	78	74	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber
100	100CX43.8	TOS100CX43.8	TS100CX43.8	3.8	D.O.L	1500	70×81	92	88	1	—	—	6 x 1.5	14.0-14.6	10	Chloroprene Rubber

\* Dry weight  
All weights excluding cable  
Weights of guide rail fitting excluding duckfoot bend

■ Model Number Designation



■ Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)
- Screwed Flange -1.6kW only
- JIS 10kg/cm<sup>2</sup> Flange (with Packing, Bolts & Nuts)

Guide Rail Fitting - TOS

- Lifting Chain 5m, (with Shackles)
- Guide Support (with Bolts & Nuts)
- Guide Hook (with Bolts)
- Duckfoot Bend
- Guide Connector (with Bolts)
- JIS 10kg/cm<sup>2</sup> Flange (with Packing, Bolts & Nuts)
- Foundation Bolts (with Nuts)

Guide Rail Fitting - TS

- Lifting Chain 5m, (with Shackles)
- Guide Support (with Bolts & Nuts)
- Guide Hook (with Bolts)
- Duckfoot Bend
- Guide Connector (with Bolts)