

BX 50Hz only

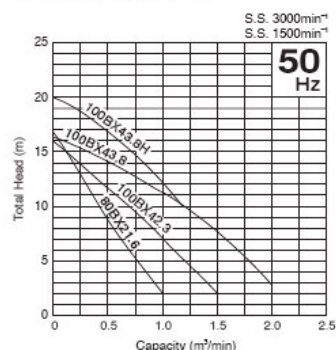
The BX-series is the explosion-proof type of the B-series and is available for operating in an area in which an explosive atmosphere occurs occasionally. The pump conforms to the relevant EU directives and is certified by ATEX II 2 G Ex d IIB T4 standard.



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

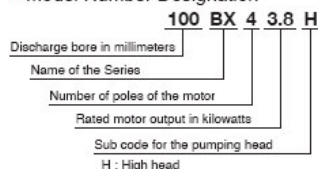
Discharge Bore		mm	80	100	
Pumping Fluid	Type of Fluid	Wastewater, and Liquid carrying Waste and Solid Matters			
	Fluid Temperature	0 to 40°C			
Pump	Structure	Impeller	Channel Impeller		
		Shaft Seal	Double Mechanical Seal with Oil Lifter		
	Materials	Bearing	Double-shielded Ball Bearing		
		Impeller	Gray Iron Casting		
		Casing	Gray 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)		
		Frame	Gray Iron Casting		
Materials		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.) 50Hz min ⁻¹	Impeller Passage 50Hz mm	Dry Weight * kgs		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 ²	Outer Dia. mm	Cores x mm ²	Outer Dia. mm		
80	80BX21.6	TOS80BX21.6	TS80BX21.6	1.6	D.O.L	3000	49×41	47	45	1	—	—	6×1.5	14.0-14.6	10	Chloroprene Rubber
100	100BX42.3	TOS100BX42.3	TS100BX42.3	2.3	D.O.L	1500	47×53	78	74	1	—	—	6×1.5	14.0-14.6	10	Chloroprene Rubber
100	100BX43.8	TOS100BX43.8	TS100BX43.8	3.8	D.O.L	1500	81×53	92	88	1	—	—	6×1.5	14.0-14.6	10	Chloroprene Rubber
100	100BX43.8H	TOS100BX43.8H	TS100BX43.8H	3.8	D.O.L	1500	35×62	89	85	1	—	—	6×1.5	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/cm² 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/cm² 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)