

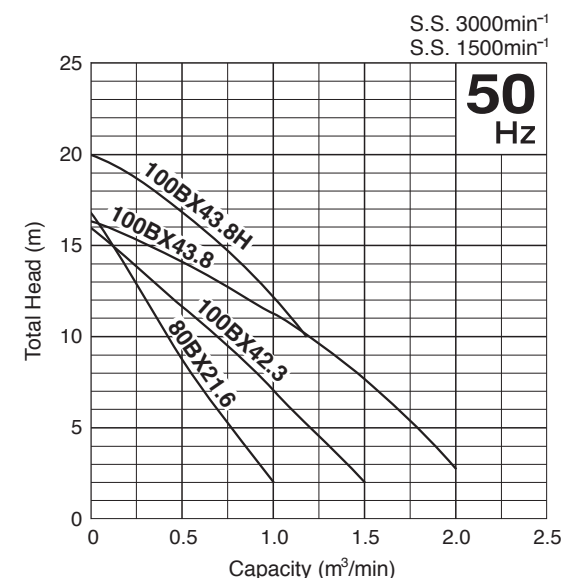
BX 50Hz only

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

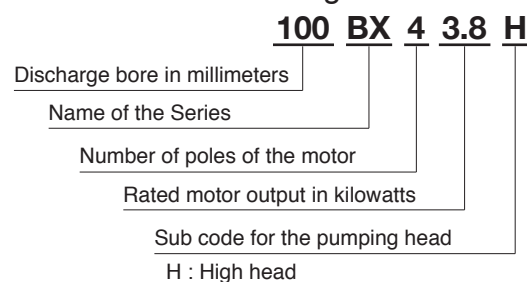
Discharge Bore		mm	80	100
Pumping Fluid	Type of Fluid	Wastewater, and Liquid carrying Waste and Solid Matters		
	Fluid Temperature	0 to 40°C		
Pump	Structure	Impeller	Channel Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray 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)		
	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.) 50Hz min ⁻¹	Impeller Passage 50Hz mm	Dry Weight * kgs		Cabtyre Cable						
	Free Standing	Guide Rail Fitting TOS TS						Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V		380 ~ 415 V		Length m	Material
									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	49x41	47	45	1	—	—	6 x 1.5	14.0~14.6	10	Chloroprene Rubber
100	100BX42.3	TOS100BX42.3	TS100BX42.3	2.3	D.O.L	1500	47x53	78	74	1	—	—	6 x 1.5	14.0~14.6	10	Chloroprene Rubber
100	100BX43.8	TOS100BX43.8	TS100BX43.8	3.8	D.O.L	1500	81x53	92	88	1	—	—	6 x 1.5	14.0~14.6	10	Chloroprene Rubber
100	100BX43.8H	TOS100BX43.8H	TS100BX43.8H	3.8	D.O.L	1500	35x62	89	85	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/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)