BZ

TSURUMI PUMP

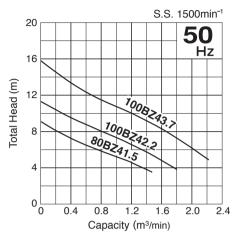
The BZ-series has a proprietary single-channel, solid handling impeller that allows the pump to handle solid matters with up to 80mm in diameter. The pump can efficiently transfer sewage and wastewater containing solid matters.

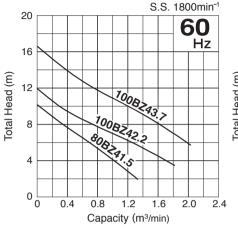


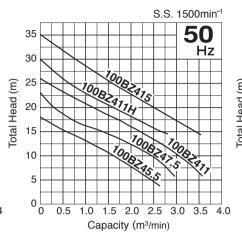


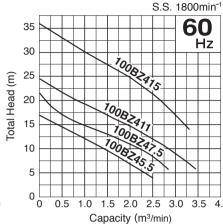
Guide Rail Fitting

■Performance Curves









■Major Standard Specifications

Discharge Bore mm			80	100						
Pumping Fluid	Type of F	luid	Wastewater, and Liquid carrying Waste and Solid Matters							
	Fluid Tem	perature	0 to 40℃							
Pump		Impeller	Channel Impeller							
	Structure	Shaft Seal	Double Mechanical Seal with Oil Lifter							
		Bearing	Double-s	ouble-shielded Ball Bearing						
		Impeller	Gray Iron							
	Materials	Casing	Gray Iron							
		Shaft Seal	SiC							
Motor	Type, Pol	0	Dry Type Submersible Induction Motor							
	туре, гол	5	4-pole							
	Class of I	nsulation	Class F							
	Phase		Three-phase							
	Starting N	lethod	Direct on Line (7.5kW and below) Star-delta (11kW and above)							
	Protection I	Device (built-in)	Miniature Thermal Protector							
	Lubricant		Turbine Oil (ISO VG32)							
	Materials	Frame	Gray Iron Casting							
		Shaft	420 Stainless Steel							
		Cable	PVC (3.7kW and below) Chloroprene Rubber (5.5kW and above)							
Discharge	e Connecti	on	JIS 10K Flange							

Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Draining wastewater from industrial plant
- Draining effluent from residence, hotel, commercial complex, etc

■Standard Specifications

Discharge Bore	Model					Speed	Impeller	Dry Weight *		Cabtyre Cable							
	•	iviodei			Motor	Starting	(S.S.) 50Hz/60Hz	Passage 50Hz/60Hz	kgs			200 ~ 240 V		380 ~ 575 V			
	Free	Guide Ra	ail Fitting	Output Method	Free	Guide Rail No. of Cables			Cores ×	Outer Dia.	Cores ×	Outer Dia.	Length	Material			
	mm	Standing	TOS	TS	kW		min-¹	mm	Standing	Fitting	Cables	mm²	mm	mm ²	mm	m	
	80	80BZ41.5	TOS80BZ41.5	TS80BZ41.5	1.5	D.O.L	1500/1800	80	78	74	2	4×1.25	11.1	4×1.25	11.1	10	PVC
	00	000211.0	100000211.0	10000211.0	1.0	D.O.L	1000/1000		, 0	, ,		4×1.25	11.1	4×1.25	11.1	.0	. , ,
1	100	100BZ42.2	TOS100BZ42.2	TS100BZ42.2	2.2	D.O.L	1500/1800	80	78	74	2	4×2.0	11.8	4×2.0	11.8	10	PVC
'	100	1000242.2	1001000242.2	101000242.2	2.2	D.O.L	1300/1000	00	70	/ 4		4×1.25	11.1	4×1.25	11.1	10	1 00
	100	100BZ43.7	TOC100D740.7	TC100D740.7	2.7	D.O.L	1500/1800	80	98	94	2	4×3.5	13.9	4×2.0	11.8	10	PVC
'	100	1000243.7	TOS100BZ43.7	TS100BZ43.7	3.7	D.O.L	1300/1600	80	90	94	~	4×1.25	11.1	4×1.25	11.1	10	
	100	400D74F F	T00400D745.5	T0400D745.5		D 0 I	4500/4000	00	140	444	_	4×3.5	14.1	4×3.5	14.1		Chloroprene
	100	100BZ45.5	TOS100BZ45.5	TS100BZ45.5	5.5	D.O.L	1500/1800	80	149	144	2	2×1.25	9.8	2×1.25	9.8		Rubber
	100	400DZ47.F	TO0400D747.5	T0400D747.5	7.5	D 0 I	45004000	00	405	100		4×5.5	16.8	4×5.5	16.8	40	Chloroprene
'	100	100BZ47.5	TOS100BZ47.5	TS100BZ47.5	7.5	D.O.L	1500/1800	80	165	160	2	2×1.25	9.8	2×1.25	9.8	10	Rubber
4	100	100BZ411	TOS100BZ411	TS100BZ411	11	Star-Delta	1500/1000	80	222	217	0	4×3.5	14.1	4×3.5	14.1	10	Chloroprene
'	100	10002411	10310002411	1310002411	11	Stal-Delta	1500/1800	80	222	217	3	3×3.5 2×1.25	12.9 9.8	3×3.5 2×2.0	12.9 9.8	10	Rubber
		4000744411	T00400D744411	T0400D744411	44	Oten Delte	4500/	00	200	047		4×3.5	14.1	4×3.5	14.1	4.0	Chloroprene
1	100	100BZ411H	TOS100BZ411H	TS100BZ411H	11	Star-Delta	1500/	80	222	217	3	3×3.5 2×1.25	12.9 9.8	3×3.5 2×1.25	12.9 9.8	10	Rubber
			T00400744			0. 5 ::					_	4×5.5	16.8	4×5.5	16.8		Chloroprene
1	100	100BZ415	TOS100BZ415		15	Star-Delta	1500/1800	80	295	290	3	3×5.5 2×1.25	15.2 9.8	3×5.5 2×1.25	15.2 9.8	10	Rubber
												2 x 1.25	9.0	2 x 1.25	9.0		TUUUUU

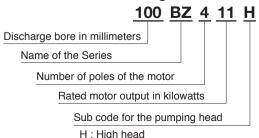
* Dry weight

All weights excluding cable

Weights of guide rail fitting excluding duckfoot bend

Distributed by Australian Pump Industries (02) 8865 3500

■Model Number Designation



Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)
- 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)