

BQ

The BQ-series is based on B-series, but all the wetted parts are made of stainless steel. Wide opening channel impeller and shaver mechanism of the suction cover performs smooth dewatering even the liquid contains suspended solids.

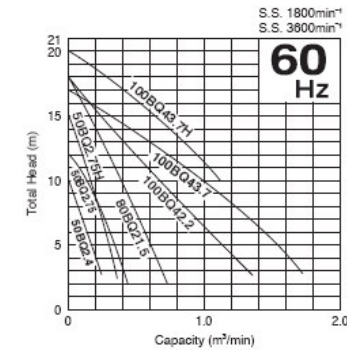
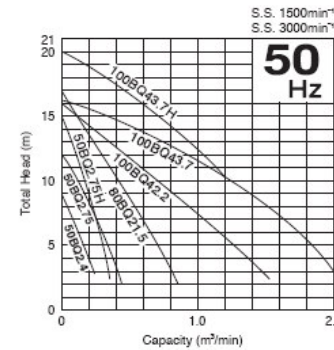
TSURUMI PUMP



Applications

- Draining wastewater from chemical plant, plastic plant, etc
- Draining effluent from hospital and laboratory, etc

Performance Curves



Major Standard Specifications

Discharge Bore		mm	50	80	100	
Pumping Fluid	Type of Fluid	Chemical Wastewater, Waste water, and Liquid carrying Waste and Solid Matters				
	Fluid Temperature	0 to 40°C				
Pump	Impeller	Channel Impeller				
	Shaft Seal	Double Mechanical Seal with Oil Lifter*				
	Bearing	Double-shielded Ball Bearing				
	Materials	Impeller	304 Stainless Steel Casting			
		Casing	304 Stainless Steel Casting			
		Suction Cover	304 Stainless Steel Casting			
Shaft Seal	SiC					
Motor	Type, Pole	Dry Type Submersible Induction Motor 2, 4-pole				
	Class of Insulation	Class E Class F (1.5kW only)				
	Phase	Three-phase				
	Starting Method	Direct on Line				
	Protection Device (built-in)	Circle Thermal Protector				
	Lubricant	Turbine Oil (ISO VG32)				
	Materials	Frame	304 Stainless Steel Casting			
		Shaft	304 Stainless Steel 316 Stainless Steel (1.5kW only)			
Cable		PVC				
Discharge Connection		Screwed Flange (1.5kW and above) JIS 10K Flange (2.2kW and above)				

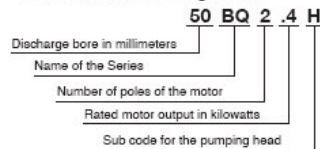
*50BQ2.4 / TOS50BQ2.4 are not equipped with the Oil Lifter.

Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs		Cabletyre Cable						
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
50	50BQ2.4	TOS50BQ2.4	0.4	D.O.L.	3000/3600	19/17	25	24	1	4×1.25	11.1	4×1.25	11.1		
50	50BQ2.75	TOS50BQ2.75	0.75	D.O.L.	3000/3600	20/24	40	39	1	4×1.25	11.1	4×1.25	11.1	6	PVC
50	50BQ2.75H	TOS50BQ2.75H	0.75	D.O.L.	3000/3600	20	40	39	1	4×1.25	11.1	4×1.25	11.1	6	PVC
80	80BQ21.5	TOS80BQ21.5	1.5	D.O.L.	3000/3600	25	50	48	1	4×1.25	11.1	4×1.25	11.1	6	PVC
100	100BQ42.2	TOS100BQ42.2	2.2	D.O.L.	1500/1800	40	93	86	1	4×2.0	11.8	4×2.0	11.8	6	PVC
100	100BQ43.7	TOS100BQ43.7	3.7	D.O.L.	1500/1800	53/45	109	102	1	4×3.5	13.9	4×2.0	11.8	6	PVC
100	100BQ43.7H	TOS100BQ43.7H	3.7	D.O.L.	1500/1800	35	109	102	1	4×3.5	13.9	4×2.0	11.8	6	PVC

* 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
- 1.5kW and below
- JIS 10kg/cm² Flange (with Packing, Bolts & Nuts)
- 2.2kW and above

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)