

B 50 • 80mm

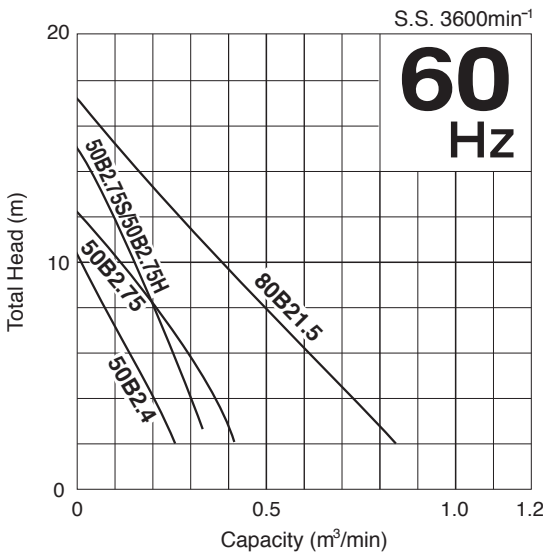
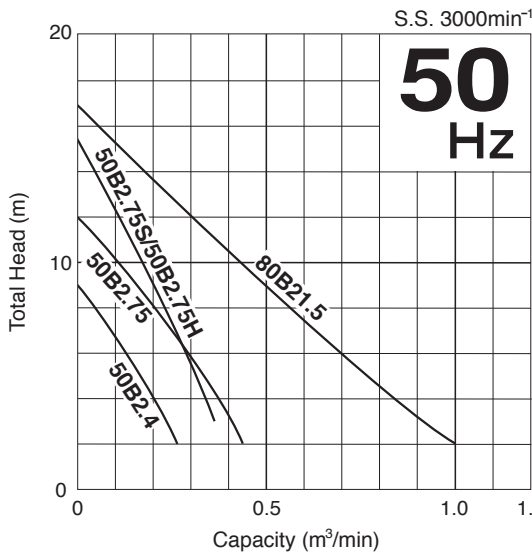
The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Major Standard Specifications

Discharge Bore		mm	50	80	
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-pole		
	Class of Insulation		Class E		
			Class F (1.5kW only)		
	Phase		Single-phase (suffix “S”)		
			Three-phase		
	Starting Method		Capacitor Start (single-phase only)		
			Direct on Line		
	Protection Device (built-in)		Circle Thermal Protector		
Lubricant		Turbine Oil (ISO VG32)			
Materials	Frame	Gray Iron Casting			
	Shaft	403 Stainless Steel			
		420 Stainless Steel (1.5kW only)			
Cable		PVC			
Discharge Connection			Screwed Flange		

Performance Curves



* Standard, Automatic and Auto-Alternation models have the identical performance.

Standard Specifications

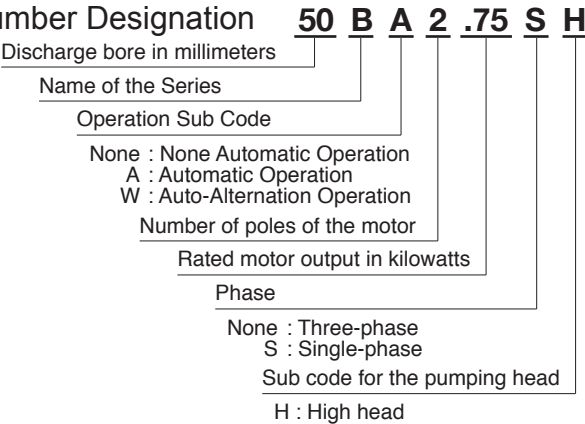
Discharge Bore mm	Standard Model			Automatic Model			Auto-Alternation Model			Motor Output	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs				Cabtyre Cable								
														Standard Model		Automatic & Auto-Alternation Model		No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material		
	Free Standing	Guide Rail Fitting		Free Standing	Guide Rail Fitting		Free Standing	Guide Rail Fitting	Free Standing					Guide Rail Fitting	Cores × mm ²	Outer Dia. mm	Cores × mm ²		Outer Dia. mm							
		TOS	TS		TOS	TS		TOS	TS																	
50	50B2.4	TOS50B2.4	TS50B2.4	—	—	—	—	—	—	0.4	D.O.L.	3000/3600	35×22/35×18	25	24	—	—	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC		
50	50B2.75S	TOS50B2.75S	TS50B2.75S	50BA2.75S	TOS50BA2.75S	TS50BA2.75S	—	—	—	0.75	Capacitor	3000/3600	45×20/51×23	32	30	34	32	1	110 ~ 120 V 3 × 2.0		10.9	220 ~ 240 V 3 × 1.25		10.1	5	PVC
50	50B2.75H	TOS50B2.75H	TS50B2.75H	—	—	—	—	—	—	0.75	D.O.L.	3000/3600	21×25	24	23	—	—	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC		
50	50B2.75	TOS50B2.75	TS50B2.75	—	—	—	—	—	—	0.75	D.O.L.	3000/3600	45×20/51×23	25	24	—	—	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC		
80	80B21.5	TOS80B21.5	TS80B21.5	80BA21.5	TOS80BA21.5	TS80BA21.5	80BW21.5	TOS80BW21.5	TS80BW21.5	1.5	D.O.L.	3000/3600	49×41/49×35	36	34	40	38	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC		

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

Applications

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

Model Number Designation



Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)
- Screwed Flange

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)

B 100mm

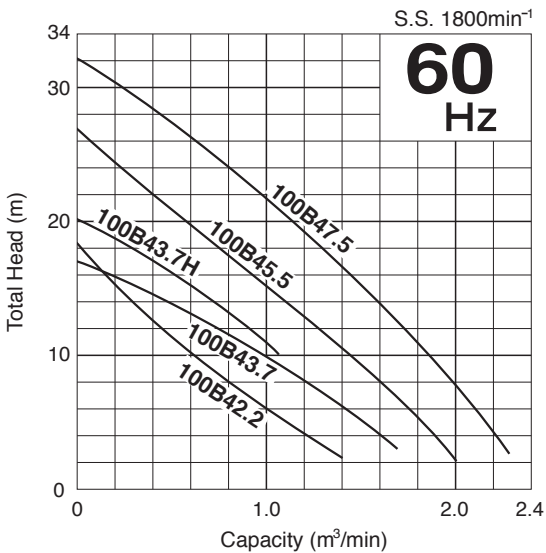
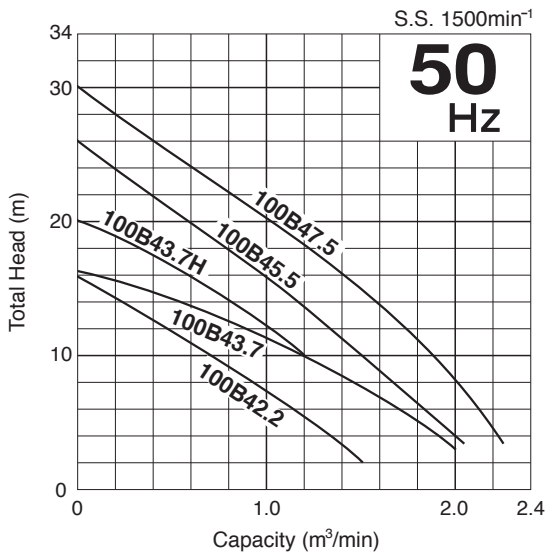
The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Major Standard Specifications

Discharge Bore		mm	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 4-pole
	Class of Insulation		Class E (3.7kW and below) Class F (5.5kW and above)
	Phase		Three-phase
	Starting Method		Direct on Line
	Protection Device (built-in)		Circle 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 Connection			JIS 10K Flange

Performance Curves



* Standard, Automatic and Auto-Alternation models have the identical performance.

Standard Specifications

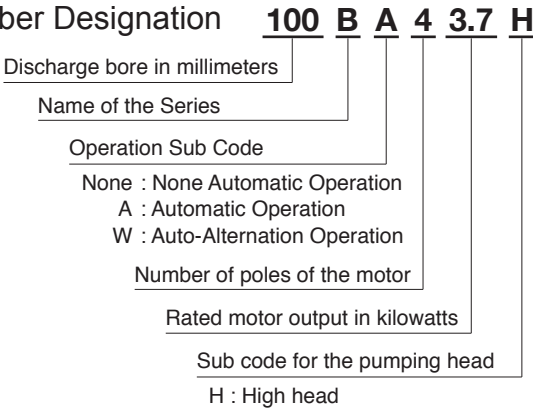
Discharge Bore mm	Standard Model			Automatic Model			Auto-Alternation Model			Motor Output	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs				Cabtyre Cable						
														Standard Model		Automatic & Auto-Alternation Model		No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting		Free Standing	Guide Rail Fitting		Free Standing	Guide Rail Fitting	Cores × mm ²					Outer Dia. mm	Cores × mm ²	Outer Dia. mm								
		TOS	TS		TOS	TS											TOS		TS					
100	100B42.2	TOS100B42.2	TS100B42.2	100BA42.2	TOS100BA42.2	TS100BA42.2	100BW42.2	TOS100BW42.2	TS100BW42.2	2.2	D.O.L.	1500/1800	47×53/47×46	68	64	78	74	1	4 × 2.0	11.8	4 × 2.0	11.8	6	PVC
100	100B43.7	TOS100B43.7	TS100B43.7	100BA43.7	TOS100BA43.7	TS100BA43.7	100BW43.7	TOS100BW43.7	TS100BW43.7	3.7	D.O.L.	1500/1800	81×53/81×47	84	80	94	90	1	4 × 3.5	13.9	4 × 2.0	11.8	6	PVC
100	100B43.7H	TOS100B43.7H	TS100B43.7H	——	——	——	——	——	——	3.7	D.O.L.	1500/1800	35×62/35×55	81	77	——	——	1	4 × 3.5	13.9	4 × 2.0	11.8	6	PVC
100	100B45.5	TOS100B45.5	TS100B45.5	——	——	——	——	——	——	5.5	D.O.L.	1500/1800	40×51/40×43	149	142	——	——	1	4 × 3.5	14.1	4 × 3.5	14.1	8	Chloroprene Rubber
100	100B47.5	TOS100B47.5	TS100B47.5	——	——	——	——	——	——	7.5	D.O.L.	1500/1800	40×61/40×54	162	155	——	——	1	4 × 5.5	16.8	4 × 5.5	16.8	8	Chloroprene Rubber

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

Applications

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

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)

B 150mm

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Free Standing

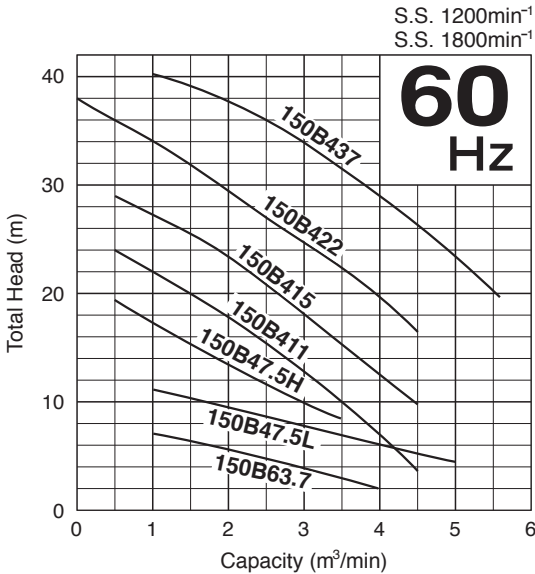
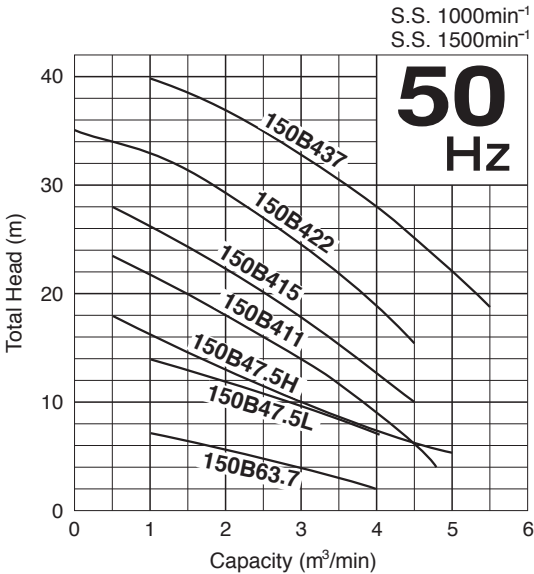
Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Draining wastewater from industrial plant
- Draining effluent from residence, hotel, commercial complex, etc
- Pumping storm water at flood control facility

Major Standard Specifications

Discharge Bore		mm	150
Pumping Fluid	Type of Fluid	Wastewater, and Liquid carrying Waste and Solid Matters	
	Fluid Temperature	0 to 40℃	
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
Motor	Type, Pole	Shaft Seal	SiC
		Dry Type Submersible Induction Motor	
	Class of Insulation	4, 6-pole	
		Class B (3.7kW only)	
	Phase	Class F	
		Three-phase	
	Starting Method	Direct on Line (7.5kW and below)	
		Star-delta (11kW and above)	
	Protection Device (built-in)	Circle Thermal Protector (7.5kW and below)	
		Miniature Thermal Protector (11kW and above)	
Discharge Connection	Lubricant	Leakage Sensor (22kW and above)	
		Turbine Oil (ISO VG32)	
	Materials	Frame	
		Gray Iron Casting	
	Cable	Shaft	
		420 Stainless Steel	
Discharge Connection	Cable	Chloroprene Rubber	
		JIS 10K Flange	

Performance Curves



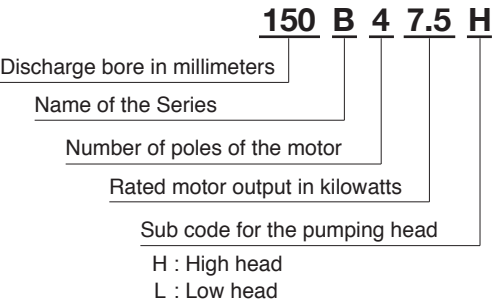
Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm *1	Dry Weight *2 kgs		Cabtyre Cable						
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting	No. of Cables	200 ~ 240 V Cores × mm ²	Outer Dia. mm	380 ~ 575 V Cores × mm ²	Outer Dia. mm	Length m	Material
150	150B63.7	TOS150B63.7	3.7	D.O.L.	1000/1200	70/55	280	250	1	4 × 3.5	14.1	4 × 3.5	14.1	6	Chloroprene Rubber
150	150B47.5H	TOS150B47.5H	7.5	D.O.L.	1500/1800	75/70	210	180	1	4 × 5.5	16.8	4 × 5.5	16.8	8	Chloroprene Rubber
150	150B47.5L	TOS150B47.5L	7.5	D.O.L.	1500/1800	60/50	196	171	1	4 × 5.5	16.8	4 × 5.5	16.8	8	Chloroprene Rubber
150	150B411	TOS150B411	11	Star-Delta	1500/1800	75	250	220	3	4 × 3.5 3 × 3.5 2 × 1.25	14.1 12.9 9.8	4 × 3.5 3 × 3.5 2 × 1.25	14.1 12.9 9.8	8	Chloroprene Rubber
150	150B415	TOS150B415	15	Star-Delta	1500/1800	75	270	240	3	4 × 5.5 3 × 5.5 2 × 1.25	16.8 15.2 9.8	4 × 5.5 3 × 5.5 2 × 1.25	16.8 15.2 9.8	8	Chloroprene Rubber
150	150B422	TOS150B422	22	Star-Delta	1500/1800	75	460	390	3	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	10	Chloroprene Rubber
150	150B437	TO150B437	37	Star-Delta	1500/1800	40×72/40×50	680	580	3	4 × 22 3 × 22 3 × 1.25	28.8 26.1 10.5	4 × 22 3 × 22 3 × 1.25	28.8 26.1 10.5	10	Chloroprene Rubber

*1 The impeller passages from 3.7 to 22kW models are described by the sphere diameter that can pass through the impeller.

*2 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)

Guide Rail Fitting - TOS / TO

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

B 200mm

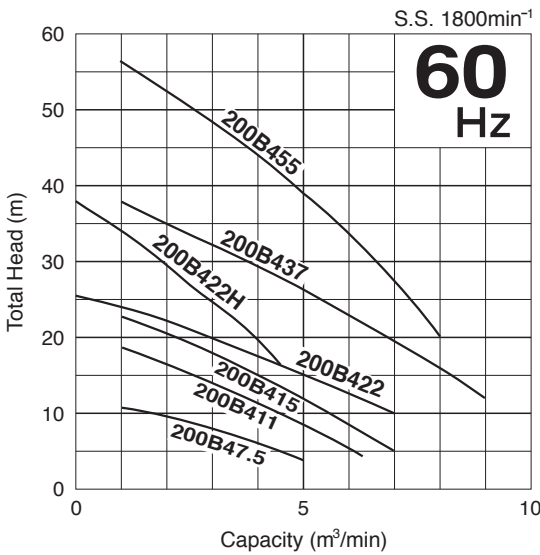
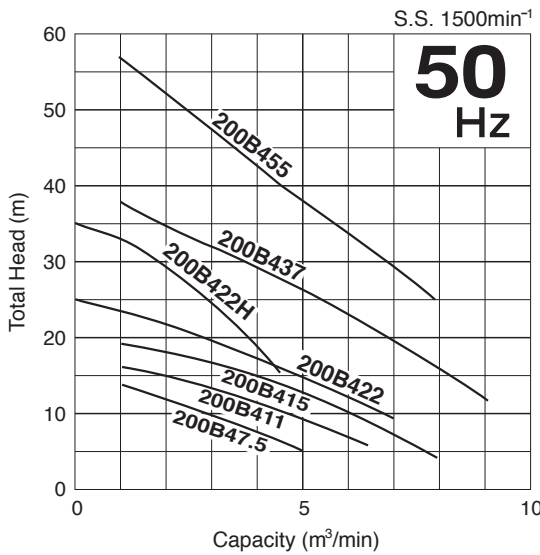
The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Free Standing

- Applications
- Transferring sewage and wastewater to wastewater treatment plant
 - Draining wastewater from industrial plant
 - Draining effluent from residence, hotel, commercial complex, etc
 - Pumping storm water at flood control facility

■ Performance Curves



■ Major Standard Specifications

Discharge Bore		mm	200	
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	
			4-pole	
	Class of Insulation		Class E (55kW only) Class F	
	Phase		Three-phase	
	Starting Method		Direct on Line (7.5kW only) Star-delta	
	Protection Device (built-in)		Circle Thermal Protector (7.5kW only) Miniature Thermal Protector	
			Leakage Sensor (22kW and above)	
	Lubricant		Turbine Oil (ISO VG32)	
	Materials	Frame	Gray Iron Casting	
		Shaft	420 Stainless Steel	
Cable		Chloroprene Rubber		
Discharge Connection			JIS 10K Flange	

■ Standard Specifications

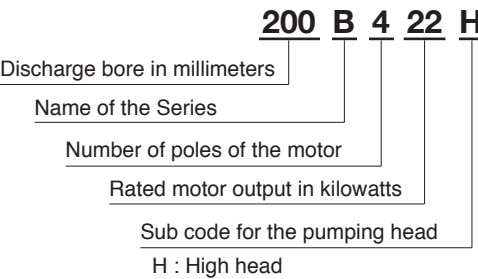
Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm * ¹	Dry Weight * ² kgs		Cabtyre Cable						
									No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Cores x mm ²	Outer Dia. mm		Cores x mm ²	Outer Dia. mm				
200	200B47.5	TO200B47.5	7.5	D.O.L.	1500/1800	80×60/100×50	203	208	1	4×5.5	16.8	4×5.5	16.8	8	Chloroprene Rubber
200	200B411	TO200B411	11	Star-Delta	1500/1800	68×60/65×58	252	257	3	4×3.5 3×3.5 2×1.25	14.1 12.9 9.8	4×3.5 3×3.5 2×1.25	14.1 12.9 9.8	8	Chloroprene Rubber
200	200B415	TO200B415	15	Star-Delta	1500/1800	70×60/69×60	302	287	3	4×5.5 3×5.5 2×1.25	16.8 15.2 9.8	4×5.5 3×5.5 2×1.25	16.8 15.2 9.8	8	Chloroprene Rubber
200	200B422H	TO200B422H	22	Star-Delta	1500/1800	75	465	420	3	4×14 3×14 3×1.25	21.7 19.7 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
200	200B422	TO200B422	22	Star-Delta	1500/1800	75	450	390	3	4×14 3×14 3×1.25	21.7 19.7 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
200	200B437	TO200B437	37	Star-Delta	1500/1800	40×77	710	605	3	4×22 3×22 3×1.25	28.8 26.1 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
200	200B455	TO200B455	55	Star-Delta	1500/1800	40×110/45×90	1060	1020	2	— —	— —	7c[3×38]* 3×38	35.8 35.9	10	Chloroprene Rubber

*1 The impeller passage of 22kW models are described by the sphere diameter that can pass through the impeller.

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

*7cores[3×38 & 1×22 & 3×2]

■ Model Number Designation



■ Standard Accessories

- Free Standing
- Discharge Bend (with Packing & Bolts)

Guide Rail Fitting - TO

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

B 250mm

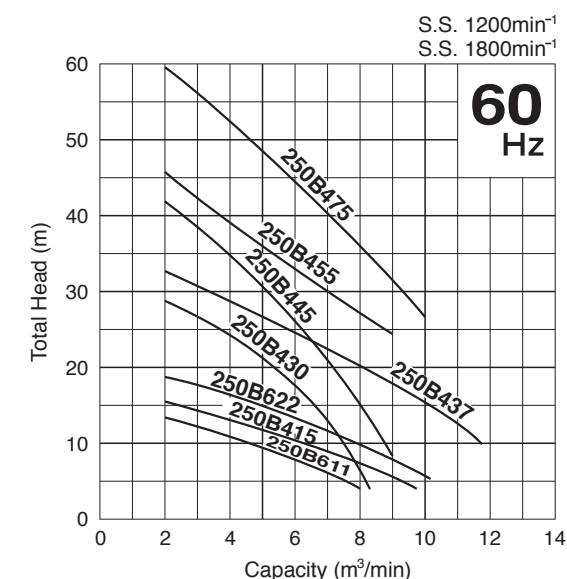
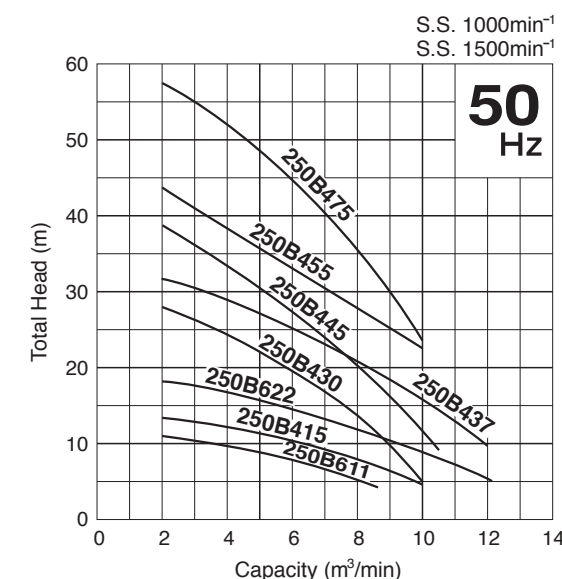
The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Draining wastewater from industrial plant
- Draining effluent from residence, hotel, commercial complex, etc
- Pumping storm water at flood control facility

Performance Curves



Major Standard Specifications

Discharge Bore		mm	250
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
Motor	Type, Pole	Dry Type Submersible Induction Motor	
		4, 6-pole	
	Class of Insulation	Class B (11kW only)	
		Class E (55kW and 75kW only)	
		Class F	
	Phase	Three-phase	
	Starting Method	Star-delta	
	Protection Device (built-in)	Miniature Thermal Protector	
		Leakage Sensor (22kW and above)	
	Lubricant	Turbine Oil (ISO VG32)	
Materials	Frame	Gray Iron Casting	
	Shaft	420 Stainless Steel	
	Cable	Chloroprene Rubber	
Discharge Connection		JIS 10K Flange	

Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm ^{*1}	Dry Weight ^{*2} kgs		Cabtyre Cable						
									No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Cores × mm ²	Outer Dia. mm		Cores × mm ²	Outer Dia. mm				
250	250B611	TO250B611	11	Star-Delta	1000/1200	80×68/80×58	430	390	1	9C[7×5.5 & 2×2]	24.4	9C[7×3.5 & 2×2]	21.3	8	Chloroprene Rubber
250	250B415	TO250B415	15	Star-Delta	1500/1800	73/64	420	380	3	4×5.5	16.8	4×5.5	16.8	8	Chloroprene Rubber
										3×5.5	15.2	3×5.5	15.2		
										2×1.25	9.8	2×1.25	9.8		
250	250B622	TO250B622	22	Star-Delta	1000/1200	90×90/96×76	735	630	3	4×14	21.7	4×14	21.7	10	Chloroprene Rubber
										3×14	19.7	3×14	19.7		
										3×1.25	10.5	3×1.25	10.5		
250	250B430	TO250B430	30	Star-Delta	1500/1800	75×80/76×76	730	610	3	4×14	21.7	4×14	21.7	10	Chloroprene Rubber
										3×14	19.7	3×14	19.7		
										3×1.25	10.5	3×1.25	10.5		
250	250B437	TO250B437	37	Star-Delta	1500/1800	63×80/65×76	765	640	3	4×22	28.8	4×22	28.8	10	Chloroprene Rubber
										3×22	26.1	3×22	26.1		
										3×1.25	10.5	3×1.25	10.5		
250	250B445	TO250B445	45	Star-Delta	1500/1800	45×70/45×68	780	680	3	—	—	4×14	21.7	10	Chloroprene Rubber
										—	—	3×14	19.7		
										—	—	3×1.25	10.5		
250	250B455	TO250B455	55	Star-Delta	1500/1800	45×70/45×68	1100	1040	2	—	—	7c[3×38]*	35.8	10	Chloroprene Rubber
										—	—	3×38	35.9		
										—	—	7c[3×38]*	35.8		
250	250B475	TO250B475	75	Star-Delta	1500/1800	35×75/35×78	1150	1090	2	—	—	3×38	35.9	10	Chloroprene Rubber
										—	—				

*1 The impeller passage of 15kW model is described by the sphere diameter that can pass through the impeller.

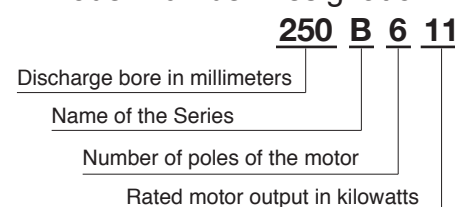
*7cores[3×38 & 1×22 & 3×2]

*2 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)

Guide Rail Fitting - TO

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

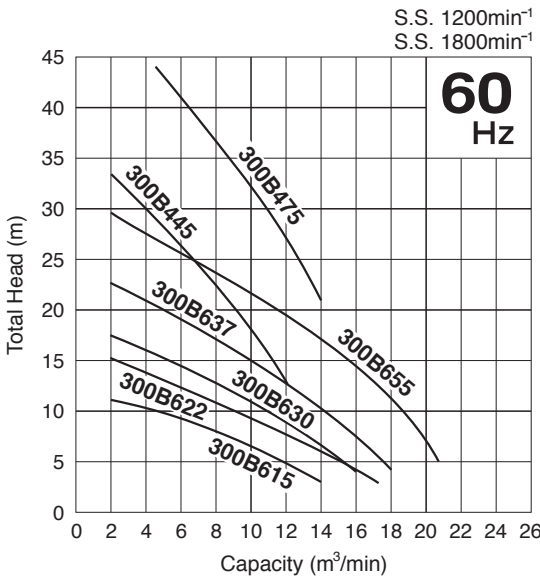
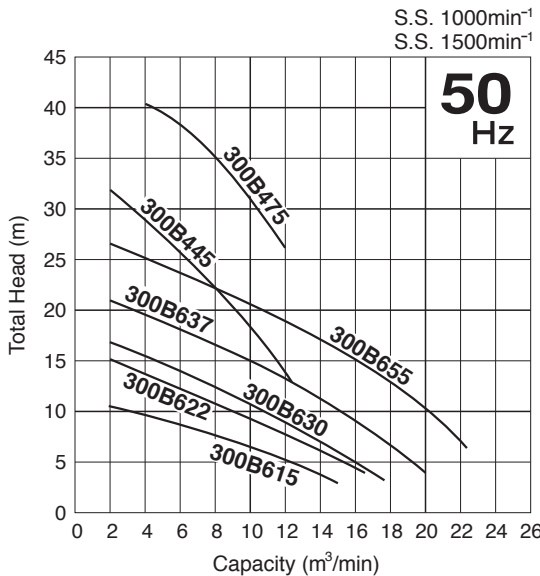
B 300mm

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



- Applications
- Transferring sewage and wastewater to wastewater treatment plant
 - Draining wastewater from industrial plant
 - Draining effluent from residence, hotel, commercial complex, etc
 - Pumping storm water at flood control facility

■ Performance Curves



■ Major Standard Specifications

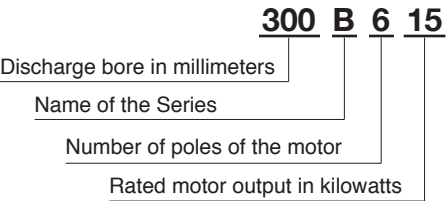
Discharge Bore		mm	300	
Pumping Fluid	Type of Fluid		Wastewater, and Liquid carrying Waste and Solid Matters	
	Fluid Temperature		0 to 40°C	
Pump	Structure	Impeller	Channel Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft Seal	SiC	
Motor	Type, Pole		Dry Type Submersible Induction Motor	
			4, 6-pole	
	Class of Insulation		Class B (15kW only) Class E (55kW and 75kW only) Class F	
	Phase		Three-phase	
	Starting Method		Star-delta	
	Protection Device (built-in)		Miniature Thermal Protector	
			Leakage Sensor (22kW and above)	
	Lubricant		Turbine Oil (ISO VG32)	
	Materials	Frame	Gray Iron Casting	
Shaft		420 Stainless Steel		
Cable		Chloroprene Rubber		
Discharge Connection			JIS 10K Flange	

■ 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		Cabtyre Cable						
									No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Cores × mm ²	Outer Dia. mm		Cores × mm ²	Outer Dia. mm				
300	300B615	TO300B615	15	Star-Delta	1000/1200	140×90/140×60	550	520	1	9C[7×8 & 2×2]	24.4	9C[7×5.5 & 2×2]	24.4	8	Chloroprene Rubber
300	300B622	TO300B622	22	Star-Delta	1000/1200	140×76/127×76	790	685	3	4×14 3×14 3×1.25	21.7 19.7 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
300	300B630	TO300B630	30	Star-Delta	1000/1200	130×115/140×76	815	685	3	4×22 3×22 3×1.25	28.8 26.1 10.5	4×22 3×22 3×1.25	28.8 26.1 10.5	10	Chloroprene Rubber
300	300B637	TO300B637	37	Star-Delta	1000/1200	140×100/140×65	850	725	3	4×22 3×22 3×1.25	28.8 26.1 10.5	4×22 3×22 3×1.25	28.8 26.1 10.5	10	Chloroprene Rubber
300	300B445	TO300B445	45	Star-Delta	1500/1800	60×90/70×76	870	740	3	— — —	— — —	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
300	300B655	TO300B655	55	Star-Delta	1000/1200	105×90/110×90	1550	1500	2	— —	— —	7c[3×38]* 3×38	35.8 35.9	10	Chloroprene Rubber
300	300B475	TO300B475	75	Star-Delta	1500/1800	60×80/65×90	1150	1100	2	— —	— —	7c[3×38]* 3×38	35.8 35.9	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)

Guide Rail Fitting - TO

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

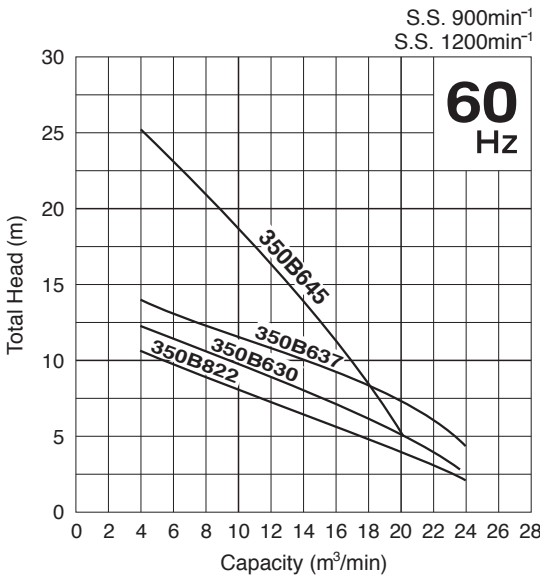
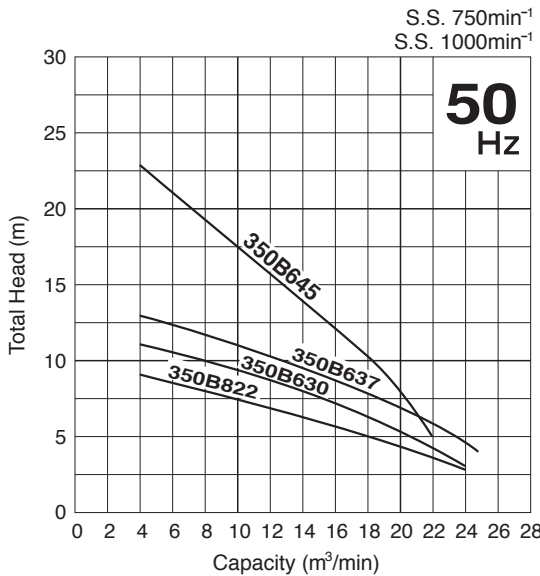
B 350mm

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



- Applications
- Transferring sewage and wastewater to wastewater treatment plant
 - Draining wastewater from industrial plant
 - Draining effluent from residence, hotel, commercial complex, etc
 - Pumping storm water at flood control facility

■ Performance Curves



■ Major Standard Specifications

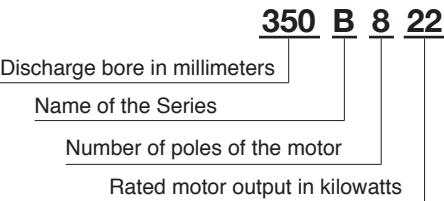
Discharge Bore		mm	350
Pumping Fluid	Type of Fluid		Wastewater, and Liquid carrying Waste and Solid Matters
	Fluid Temperature		0 to 40°C
Pump	Structure	Impeller	Channel Impeller
		Shaft Seal	Double Mechanical Seal with Oil Lifter
		Bearing	Double-shielded Ball Bearing
	Materials	Impeller	Gray Iron Casting
		Casing	Gray Iron Casting
		Shaft Seal	SiC
Motor	Type, Pole		Dry Type Submersible Induction Motor
			6, 8-pole
	Class of Insulation		Class F
	Phase		Three-phase
	Starting Method		Star-delta
	Protection Device (built-in)		Miniature Thermal Protector
			Leakage Sensor
	Lubricant		Turbine Oil (ISO VG32)
	Materials	Frame	Gray Iron Casting
Shaft		420 Stainless Steel	
Cable		Chloroprene Rubber	
Discharge Connection			JIS 10K Flange

■ 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		Cabtyre Cable						
									No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Cores × mm ²	Outer Dia. mm		Cores × mm ²	Outer Dia. mm				
350	350B822	TO350B822	22	Star-Delta	750/900	156×100/160×90	965	815	3	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	10	Chloroprene Rubber
350	350B630	TO350B630	30	Star-Delta	1000/1200	190×95/200×70	920	770	3	4 × 22 3 × 22 3 × 1.25	28.8 26.1 10.5	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	10	Chloroprene Rubber
350	350B637	TO350B637	37	Star-Delta	1000/1200	190×130/200×100	970	815	3	4 × 22 3 × 22 3 × 1.25	28.8 26.1 10.5	4 × 14 3 × 14 3 × 1.25	21.7 19.7 10.5	10	Chloroprene Rubber
350	350B645	TO350B645	45	Star-Delta	1000/1200	130×90/140×78	1550	1395	3	— — —	— — —	4 × 14 3 × 14 4 × 1.25	21.7 19.7 11.3	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)

Guide Rail Fitting - TO

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

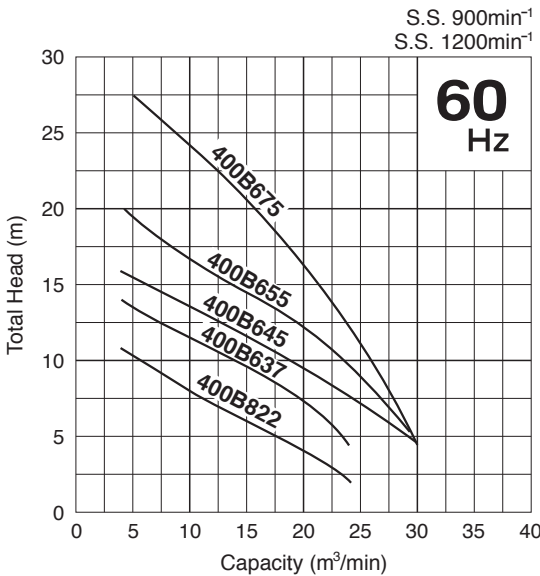
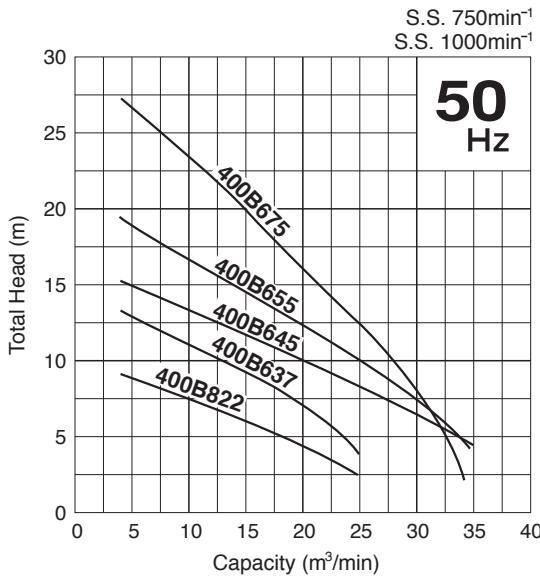
B 400mm

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



- Applications
- Transferring sewage and wastewater to wastewater treatment plant
 - Draining wastewater from industrial plant
 - Draining effluent from residence, hotel, commercial complex, etc
 - Pumping storm water at flood control facility

■ Performance Curves



■ Major Standard Specifications

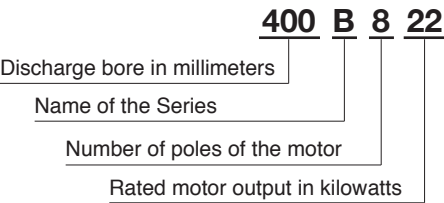
Discharge Bore		mm	400	
Pumping Fluid	Type of Fluid		Wastewater, and Liquid carrying Waste and Solid Matters	
	Fluid Temperature		0 to 40°C	
Pump	Structure	Impeller	Channel Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft Seal	SiC	
Motor	Type, Pole		Dry Type Submersible Induction Motor	
			6, 8-pole	
	Class of Insulation		Class E (55kW and 75kW only) Class F	
	Phase		Three-phase	
	Starting Method		Star-delta	
	Protection Device (built-in)		Miniature Thermal Protector	
			Leakage Sensor	
	Lubricant		Turbine Oil (ISO VG32)	
	Materials	Frame	Gray Iron Casting	
Shaft		420 Stainless Steel		
Cable		Chloroprene Rubber		
Discharge Connection			JIS 10K Flange	

■ 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		No. of Cables	Cabtyre Cable					
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting		200 ~ 240 V	380 ~ 575 V		Length m	Material	
400	400B822	TO400B822	22	Star-Delta	750/900	156×109/160×90	985	920	3	4×14 3×14 3×1.25	21.7 19.7 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
400	400B637	TO400B637	37	Star-Delta	1000/1200	190×130/200×100	990	955	3	4×22 3×22 3×1.25	28.8 26.1 10.5	4×14 3×14 3×1.25	21.7 19.7 10.5	10	Chloroprene Rubber
400	400B645	TO400B645	45	Star-Delta	1000/1200	175×128/175×100	1650	1580	3	— — —	— — —	4×14 3×14 4×1.25	21.7 19.7 11.3	10	Chloroprene Rubber
400	400B655	TO400B655	55	Star-Delta	1000/1200	145×110/175×100	1750	1700	2	— —	— —	7c[3×38]* 3×38	35.8 35.9	10	Chloroprene Rubber
400	400B675	TO400B675	75	Star-Delta	1000/1200	130×100/140×90	1850	1800	2	— —	— —	7c[3×38]* 3×38	35.8 35.9	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)

Guide Rail Fitting - TO

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

B 500mm

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Draining wastewater from industrial plant
- Draining effluent from residence, hotel, commercial complex, etc
- Pumping storm water at flood control facility

Major Standard Specifications

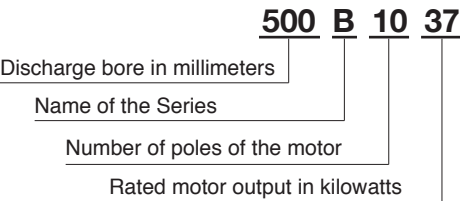
Discharge Bore		mm	500	
Pumping Fluid	Type of Fluid		Wastewater, and Liquid carrying Waste and Solid Matters	
	Fluid Temperature		0 to 40°C	
Pump	Structure	Impeller	Channel Impeller	
		Shaft Seal	Double Mechanical Seal with Oil Lifter	
		Bearing	Double-shielded Ball Bearing	
	Materials	Impeller	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft Seal	SiC	
Motor	Type, Pole		Dry Type Submersible Induction Motor	
			6, 8, 10, 12-pole	
	Class of Insulation		Class E Class F (37kW only)	
	Phase		Three-phase	
	Starting Method		Star-delta	
	Protection Device (built-in)		Miniature Thermal Protector	
			Leakage Sensor	
	Lubricant		Turbine Oil (ISO VG32)	
	Materials	Frame	Gray Iron Casting	
Shaft		420 Stainless Steel		
Cable		Chloroprene Rubber		
Discharge Connection			JIS 10K Flange	

Standard Specifications

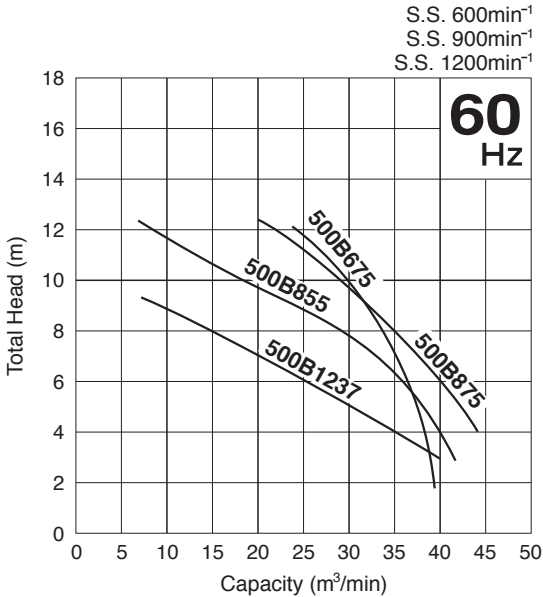
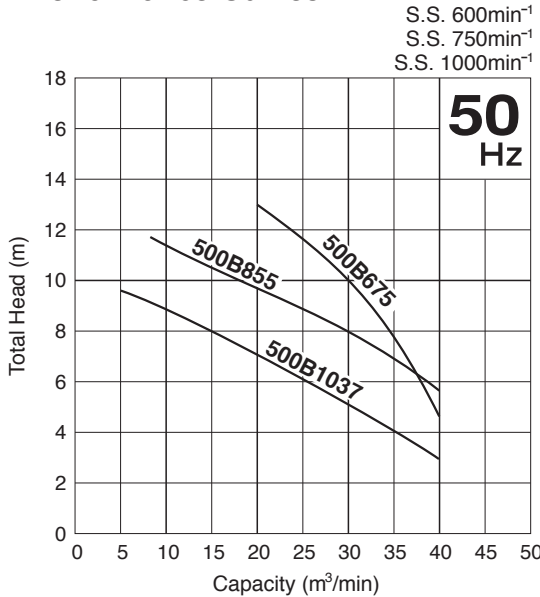
Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min ⁻¹	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs		Cabtyre Cable						
									No. of Cables	200 ~ 240 V		380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Cores × mm ²	Outer Dia. mm		Cores × mm ²	Outer Dia. mm				
500	500B1037	TO500B1037	37	Star-Delta	600/—	225×100	2050	1950	2	7c[3 × 38]* 3 × 38	35.8 35.9	7c[3 × 38]* 3 × 38	35.8 35.9	10	Chloroprene Rubber
500	500B1237	TO500B1237	37	Star-Delta	—/600	225×100	2050	1950	2	7c[3 × 38]* 3 × 38	35.8 35.9	7c[3 × 38]* 3 × 38	35.8 35.9	10	Chloroprene Rubber
500	500B855	TO500B855	55	Star-Delta	750/900	175×140/175×80	2150	2050	2	— —	— —	7c[3 × 38]* 3 × 38	35.8 35.9	10	Chloroprene Rubber
500	500B675	TO500B675	75	Star-Delta	1000/1200	130×120/130×100	2150	2050	2	— —	— —	7c[3 × 38]* 3 × 38	35.8 35.9	10	Chloroprene Rubber
500	500B875	TO500B875	75	Star-Delta	—/900	190×80	2550	2450	2	— —	— —	7c[3 × 38]* 3 × 38	35.8 35.9	10	Chloroprene Rubber

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

Model Number Designation



Performance Curves



Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)

Guide Rail Fitting - TO

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

B 600 • 700 • 800mm / 50Hz

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.

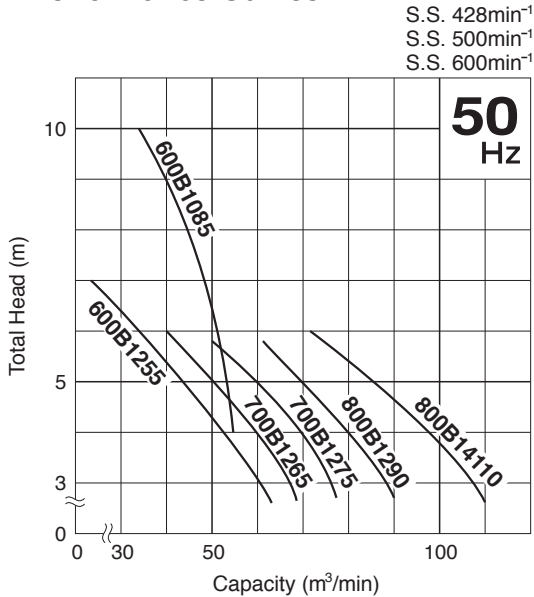


Guide Rail Fitting

Applications

- Transferring sewage and wastewater to wastewater treatment plant
- Draining wastewater from industrial plant
- Draining effluent from residence, hotel, commercial complex, etc
- Pumping storm water at flood control facility

Performance Curves



Major Standard Specifications

Discharge Bore			mm	600	700	800	
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			
				10, 12, 14-pole			
	Class of Insulation			Class F			
	Phase			Three-phase			
	Starting Method			Star-delta			
	Protection Device (built-in)			Miniature Thermal Protector			
				Leakage Sensor			
	Lubricant			Turbine Oil (ISO VG32)			
	Materials	Frame	Gray Iron Casting				
Shaft		420 Stainless Steel					
Cable		Chloroprene Rubber					
Discharge Connection				JIS 10K Flange			

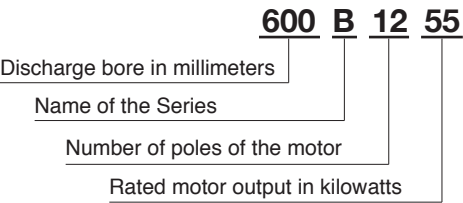
Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) min ⁻¹	Impeller Passage mm	Dry Weight *		Cabtyre Cable				
							kgs		No. of Cables	380 ~ 575 V		Length m	Material
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting		Cores x mm ²	Outer Dia. mm		
600	600B1255	TO600B1255	55	Star-Delta	500	220×100	3150	3350	2	7c[3 × 38] ^{*1} 3 × 38	35.8 35.9	10	Chloroprene Rubber
600	600B1085	TO600B1085	85	Star-Delta	600	210×85	3100	3300	2	7c[3 × 38] ^{*1} 3 × 38	35.8 35.9	10	Chloroprene Rubber
700	700B1265	TO700B1265	65	Star-Delta	500	300×85	4000	4400	2	7c[3 × 38] ^{*1} 3 × 38	35.8 35.9	10	Chloroprene Rubber
700	700B1275	TO700B1275	75	Star-Delta	500	300×85	4200	4600	2	7c[3 × 38] ^{*1} 3 × 38	35.8 35.9	10	Chloroprene Rubber
800	800B1290	TO800B1290	90	Star-Delta	500	300×90	5600	5800	2	7c[3 × 60] ^{*2} 3 × 60	45.7 45.7	10	Chloroprene Rubber
800	800B14110	TO800B14110	110	Star-Delta	428	310×90	5800	6000	2	7c[3 × 60] ^{*2} 3 × 60	45.7 45.7	10	Chloroprene Rubber

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

^{*1}7cores[3×38 & 1×22 & 3×2]
^{*2}7cores[3×60 & 1×22 & 3×2]

Model Number Designation



Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)

Guide Rail Fitting - TO

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

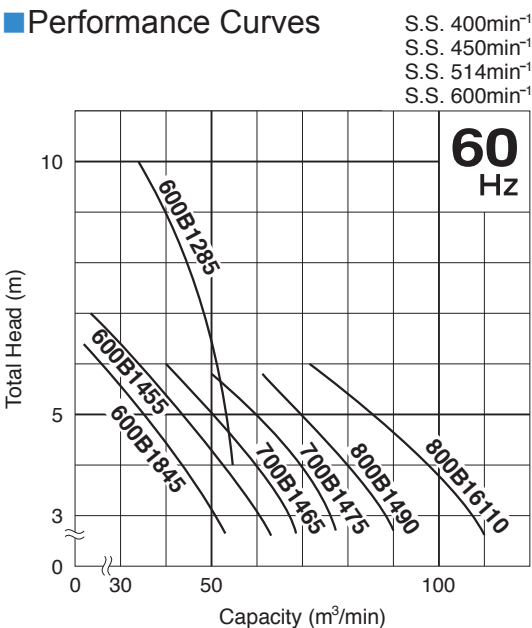
B 600 • 700 • 800mm / 60Hz

The B-series is the basic model of the Tsurumi submersible sewage pumps, and it can be used for various kinds of field. A channel impeller practically prevents internal clogging and enables the pump to efficiently transfer sewage and wastewater containing solid matters. It is available as an extended line-up from 50 to 800 mm discharge bores.



Guide Rail Fitting

- Applications
- Transferring sewage and wastewater to wastewater treatment plant
 - Draining wastewater from industrial plant
 - Draining effluent from residence, hotel, commercial complex, etc
 - Pumping storm water at flood control facility



■ Major Standard Specifications

Discharge Bore		mm	600	700	800
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		
			12, 14, 16, 18-pole		
	Class of Insulation		Class F		
	Phase		Three-phase		
	Starting Method		Star-delta		
	Protection Device (built-in)		Miniature Thermal Protector		
			Leakage Sensor		
	Lubricant		Turbine Oil (ISO VG32)		
	Materials	Frame	Gray Iron Casting		
Shaft		420 Stainless Steel			
Cable		Chloroprene Rubber			
Discharge Connection			JIS 10K Flange		

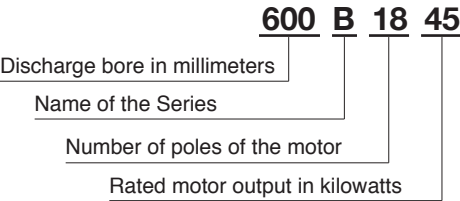
■ Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) min ⁻¹	Impeller Passage mm	Dry Weight * kgs		Cabtyre Cable				
							Free Standing	Guide Rail Fitting	No. of Cables	380 ~ 575 V		Length m	Material
	Cores x mm ²	Outer Dia. mm											
600	600B1845	TO600B1845	45	Star-Delta	400	280×90	5000	5200	2	7c[3 × 38]* ¹ 3 × 38	35.8 35.9	10	Chloroprene Rubber
600	600B1455	TO600B1455	55	Star-Delta	514	220×100	3150	3350	2	7c[3 × 38]* ¹ 3 × 38	35.8 35.9	10	Chloroprene Rubber
600	600B1285	TO600B1285	85	Star-Delta	600	210×85	3100	3300	2	7c[3 × 38]* ¹ 3 × 38	35.8 35.9	10	Chloroprene Rubber
700	700B1465	TO700B1465	65	Star-Delta	514	300×85	4000	4400	2	7c[3 × 38]* ¹ 3 × 38	35.8 35.9	10	Chloroprene Rubber
700	700B1475	TO700B1475	75	Star-Delta	514	300×85	4200	4600	2	7c[3 × 38]* ¹ 3 × 38	35.8 35.9	10	Chloroprene Rubber
800	800B1490	TO800B1490	90	Star-Delta	514	300×90	5600	5800	2	7c[3 × 60]* ² 3 × 60	45.7 45.7	10	Chloroprene Rubber
800	800B16110	TO800B16110	110	Star-Delta	450	310×90	5800	6000	2	7c[3 × 60]* ² 3 × 60	45.7 45.7	10	Chloroprene Rubber

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

^{*1}7cores[3×38 & 1×22 & 3×2]
^{*2}7cores[3×60 & 1×22 & 3×2]

■ Model Number Designation



■ Standard Accessories

Free Standing

- Discharge Bend (with Packing & Bolts)

Guide Rail Fitting - TO

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