

PN –Submersible Wastewater Pumps–

The PN-series is a submersible portable semi-vortex pump designed for handling wastewater and liquid carrying small solid matters. It is made of resin and 304 stainless steel and excellent in corrosion-resistance. The semi-vortex pump design with moderate solids passage provides efficient performance for versatile applications. Liquid paraffin is used for the lubricating oil, which widens the application of the pump to decorative waterfalls, fishponds, aquaculture, etc.

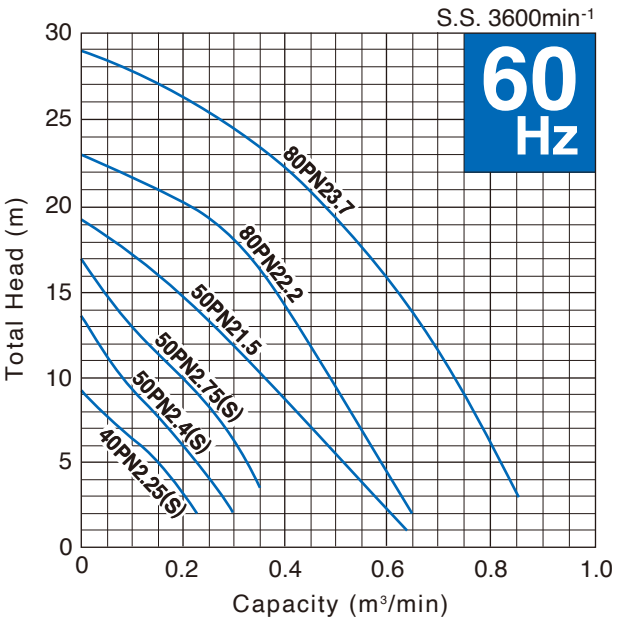
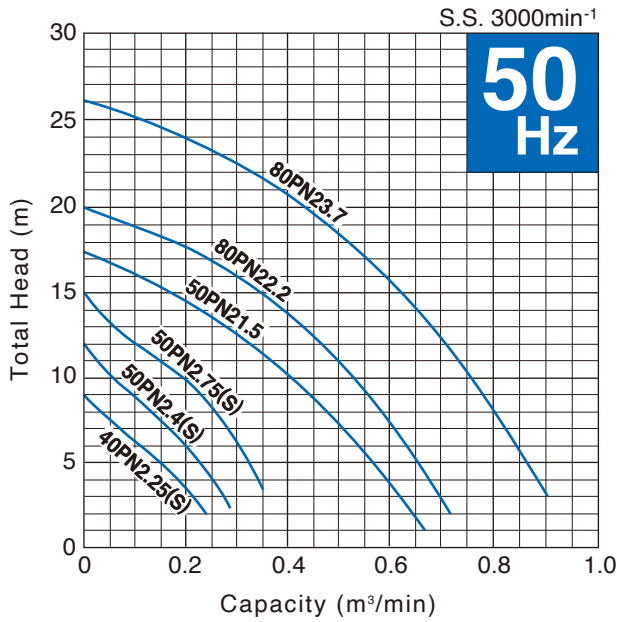


Discharge Bore mm	Model			Motor Output kW	Phase	Starting Method	Solids Passage mm	Dry Weight kg		Cable Length m
	Standard	Automatic	Auto-alternation					Standard	Auto & Auto-alternation	
40	40PN2.25S	40PNA2.25S	40PNW2.25S	0.25	Single	Capacitor Run	10	7.1	7.8	5
40	40PN2.25	40PNA2.25	40PNW2.25	0.25	Three	D.O.L.	10	6.1	6.8	6
50	50PN2.4S	50PNA2.4S	50PNW2.4S	0.4	Single	Capacitor Run	10	7.1	7.8	5
50	50PN2.4	50PNA2.4	50PNW2.4	0.4	Three	D.O.L.	10	7	7.7	6
50	50PN2.75S	50PNA2.75S	—	0.75	Single	Capacitor Run	10	8.9	9.4	5
50	50PN2.75	50PNA2.75	50PNW2.75	0.75	Three	D.O.L.	10	8.3	9	6
50	50PN21.5	50PNA21.5	50PNW21.5	1.5	Three	D.O.L.	20	15.9	16.8	6
80	80PN22.2	80PNA22.2	80PNW22.2	2.2	Three	D.O.L.	20	22	23	6
80	80PN23.7	80PNA23.7	80PNW23.7	3.7	Three	D.O.L.	20	27	28	6

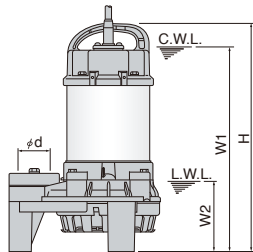
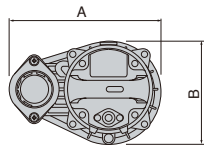
• Weights excluding cable

Performance Curves

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



Dimensions



C.W.L.: Continuous Running Water Level
L.W.L.: Lowest Running Water Level

Unit: mm						
Model	d	A	B	H	W1	W2
40PN2.25S	40	236	162	360	325	110
40PN2.25	40	236	162	349	310	110
50PN2.4S	50	236	162	360	325	110
50PN2.4	50	236	162	360	325	110
50PN2.75S	50	236	162	380	345	110
50PN2.75	50	236	162	374	335	110
50PN21.5	50	295	196	435	390	110
80PN22.2	80	311	212	559	500	130
80PN23.7	80	311	212	594	535	130

Applications

- Draining wastewater from residence, hotel, restaurant, etc.
- Pumping rainwater and springwater from basement
- Circulating water in waterscape garden (e.g. waterfall, fountain, koi pond, etc.)

Guide Rail Fitting

TOK Application Table

Model	Applicable Motor Output
TOK4-P	0.25 to 0.75 kW
TOK2-65	1.5 kW
TOK2-65T	2.2 to 3.7 kW

Accessories

- Duckfoot Bend
- Guide Hook
- Guide Support with Bolts & Nuts
- Lifting Chain with Shackles (4m for TOK4-P, 5m for TOK2-65 / 65T)

