

PLS –Submersible Wastewater Pumps (Horizontal)–

The PLS-series is a submersible portable horizontal semi-vortex pump designed for handling wastewater and liquid carrying small solid matters. It is made of resin and 304 stainless steel and is excellent in corrosion-resistance. Because of the horizontal design, the continuous running water level is lower than conventional vertical types, and it can be used in a shallow or narrow sump. Liquid paraffin is used for the lubricating oil, which widens the application of the pump to decorative waterfalls, fishponds, aquaculture, etc.



50PLS2.15S



50PLS2.4S



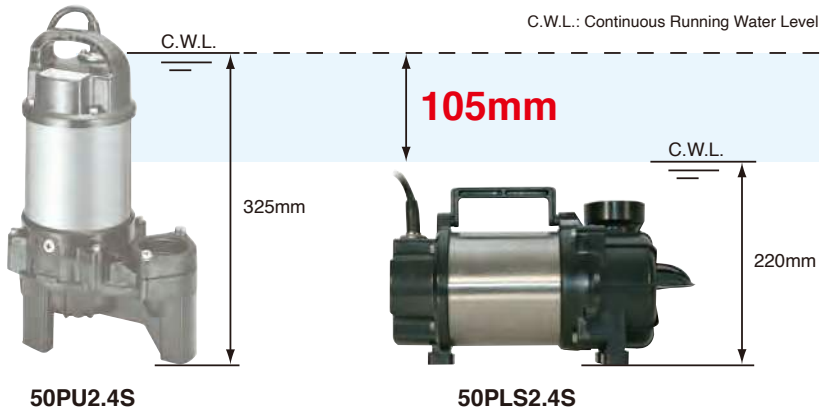
50PLS2.4S with Strainer

Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Solids Passage mm	Dry Weight kg	Cable Length m
50	50PLS2.15S	0.15	Single	Capacitor Run	38 (10)	5.2	5
50	50PLS2.4S	0.4	Single	Capacitor Run	24 (10)	6.7	5
50	50PLS2.75S	0.75	Single	Capacitor Run	24 (10)	8.6	5

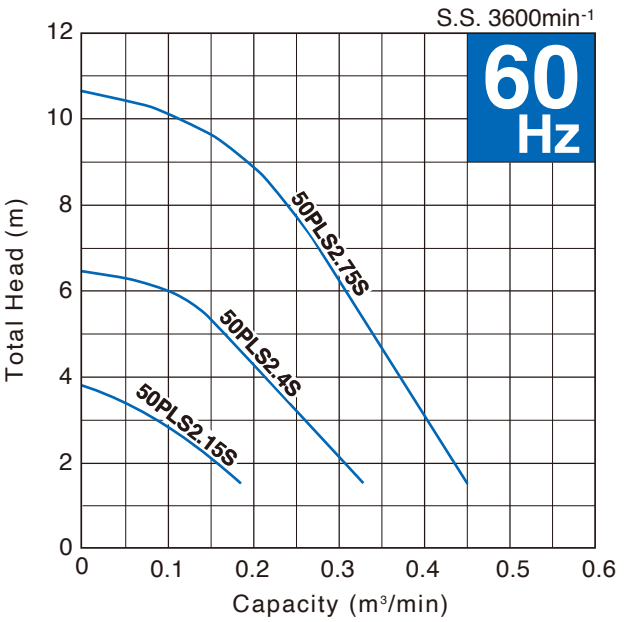
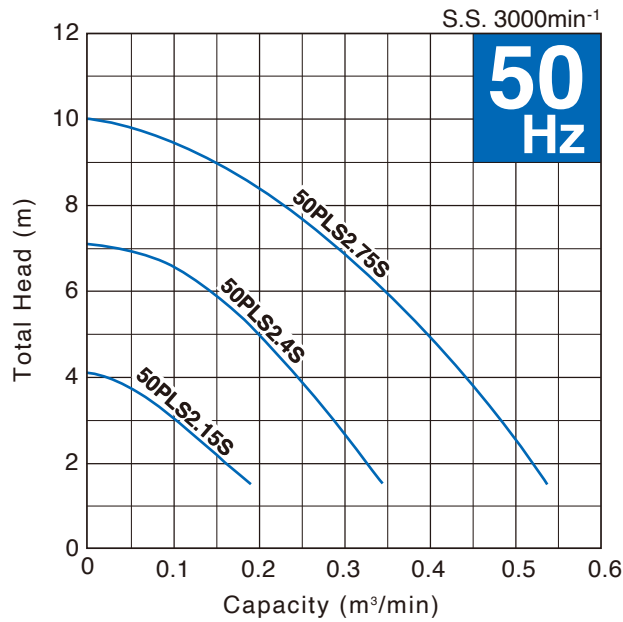
• Figure in () shows the solids passage of the pump with a strainer.
• Weights excluding cable

Comparison of Continuous Running Water Level

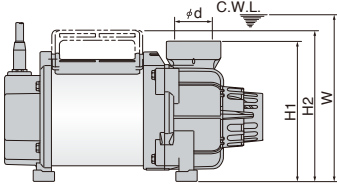
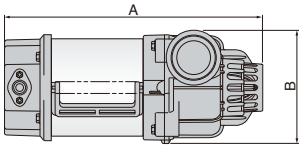
The PLS-series is suitable for installation in relatively shallow tanks and ponds due to its low continuous running water level.



Performance Curves



Dimensions



C.W.L.: Continuous Running Water Level

Unit: mm						
Model	d	A	B	H1	H2	W
50PLS2.15S	50	329	142	180	—	220
50PLS2.4S	50	342	150	185	200	220
50PLS2.75S	50	362	150	185	201	310

Applications

- Pumping rainwater and springwater at a place where solid matters are likely to run into the water
- Transferring wastewater between the tanks at small-scale treatment facility
- Circulating water in waterscape garden (e.g. waterfall, fountain, koi pond, etc.)



