TSURUMI PUMP

Submersible Horizontal Landscape Pumps

PLS

50PLS2.15S I 50PLS2.4S I 50PLS2.75S

Energy Saving HIGH Volume

MADE IN JAPAN

Food Grade Lubricant used is Fish Friendly

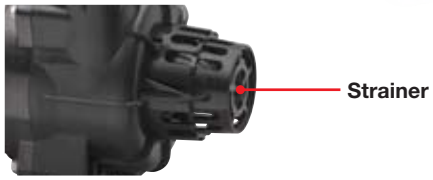
Application Examples

1. Fish Pond
2. Artificial Waterfall
3. Fountain

Portable, Corrosion Resistant, Larger Capacity, and Low Continuous Running Water Level

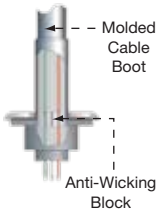
Features

Standard Accessories



A Handle

B Anti-Wicking Cable Entry
Tsurumi's care has been extended to the sealing of the strand of cable conductors that may accidentally cause the ingress of water by a wicking (capillary phenomenon).



C Stainless Steel & Resin Materials

D Built-in Motor Protection

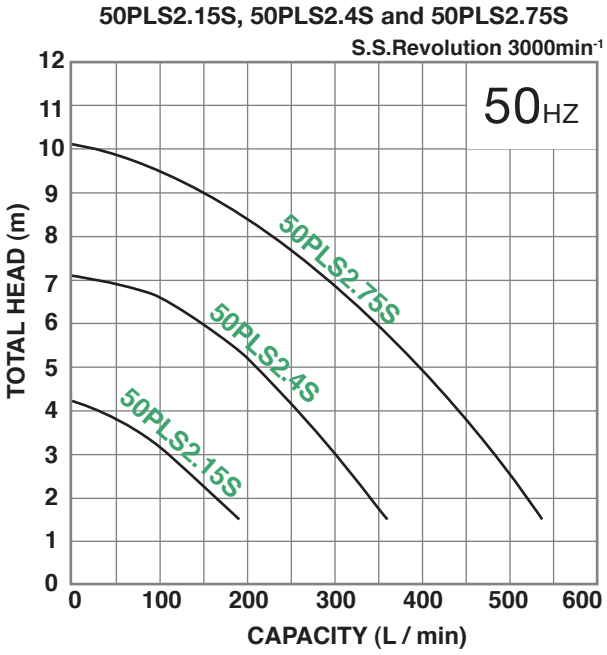
E Oil Lifter (Patent Pending)
The pump has a built-in Oil Lifter designed to stabilize the mechanical seal function by efficiently supplying the lubricant to the seal even if it drops to below the rated level. This amazing simple device turns otherwise wasted energy into an additional protection effect for the seal and extends both seal life and maintenance intervals.


Oil Lifter

F Impeller
A vortex impeller is installed. The impeller coupled with a large passage in the casing, allows the pump to handle coarse solids up to 38mm (50PLS2.15S).


Impeller

Performance Curves



Comparison of Continuous Running Water Level (C.W.L)

Advantage of PLS series over PU series

★ **Lower C.W.L**
From the above comparison, we can see that 50PLS2.15S has a lower C.W.L than 40PU2.15S. For PLS series, it can be installed in places where the water level is shallow (water level above 220mm for 0.15kW, 0.4kW and above 310mm for 0.75kW). As PLS series are designed horizontally, therefore it can be well hidden under water.

★ **Larger Capacity**
For Landscape purposes, the quantity of water is much preferred over pumping head. PLS series can produce a larger capacity of water compared to PU series which is ideal for Landscape purposes and water circulation.

Specifications

Curve No.	Standard Model	Discharge Bore (mm)	Motor Output (kW)	Phase	Max Capacity (L/min)	Impeller Passage (mm)	Standard Cable Length (m)	Dry Weight (kg)	Dimensions (mm)			C.W.L. (mm) W
									A (w/o Strainer)	A (with Strainer)	B	
1	50PLS2.15S	50	0.15	Single	190	38	5	5.8	309	341	180	220
2	50PLS2.4S	50	0.4	Single	360	24	5	6.7	335	342	185	220
3	50PLS2.75S	50	0.75	Single	540	24	5	8.6	355	362	185	310

• Dry weight of the pump excluding cable and strainer.

We reserve the right to change the specifications and designs for improvement without prior notice.