



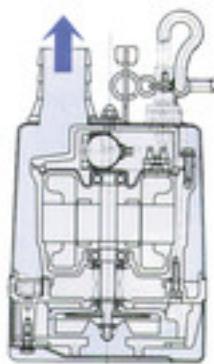
**TSURUMI PUMP**

**LB** 1-phase  
50Hz

Compact, light and powerful  
- for professional use

The TSURUMI LB-pumps are small and robust submersible contractor's pumps with a wide range of applications wherever water has to be moved.





## Top Discharge

Pumped water flows between the outer cover and the motor, cooling the motor and discharging as illustrated (forced motor cooling). The pump can be run continuously in air.



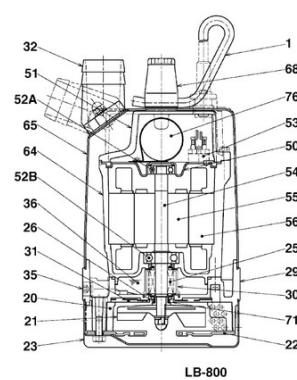
## Electrode auto control system available

Handles like a non-automatic pump - no special installation procedures. Sensitive electrodes detect water to start up pump operation even when foreign matters are present. Relay sensor completely molded in resin and covered by rubber case for protection against rough handling.



## Components:

001	Cable
020	Pump casing
021	Impeller
022	Suction plate
023	Strainer
025	Mechanical seal
026	Oil sealing
029	Oil casing
030	Oil lifter
031	Wear plate
032.	Outlet
035	Oil plug
036	Lubricant
050	Motor cover
051	Head cover
052A	Upper bearing
052B	Lower bearing
053.	Miniature protector
054	Shaft
055	Rotor
056	Stator
064	Motor casing
065	Jacket
068	Handle
071	Shaft sleeve
076	Condensor



## Specifications:

Model	Colour code curve	Bore mm	Motor output kW	Rated current A	Head max. m	Capacity max. l/min	Dry weight kg w/o cable	Max. solid handling ø mm	Pressure resistance max. m	Cable length m
LB-480	1	50	0,48	2,9	11,0	225	10,4	6	10	10
LB-480A		50	0,48	2,9	11,0	225	11,0	6	10	10
LB-800	2	50	0,75	4,5	15,0	320	13,1	6	10	10
LB-800A		50	0,75	5,0	15,0	320	13,7	6	10	10
LB-1500	3	50	1,5	15,4	17,5	440	33,0	6	25	20

ø Discharge bore mm		50
Pumping Fluid		Spring water, Rain water, Ground water, Sand carrying water
Temperature		0-40°C
Pump	Components	Impeller
		Shaft Seal
		Bearings
	Material	Impeller
		Casing
		Suction Plate
		Shaft Seal
Motor	Lubrication	
	Insulation	
	Motor Protector (built-in)	
	Phase / Voltage	
	Type, Poles	
	Material	Casing
		Shaft
		Cable
Discharge Connection		

Spring water, Rain water, Ground water, Sand carrying water

0-40°C

Semi-Vortex impeller

Double mechanical seal

Shielded ball bearings

Urethane rubber, Chromium iron casting

Ethylene propylene rubber

Steelplate+Urethane rubber

Silicon carbide in oil bath

Turbine oil (ISO VG32)

Insulation class E, Insulation class B

Miniature protector, Circle thermal cut-out

Single phase 230V / 110V / 50Hz

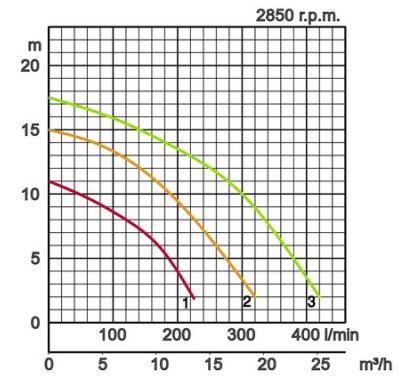
Induction motor, 2 poles, IP68

Aluminium die casting

Stainless steel EN-X6Cr13

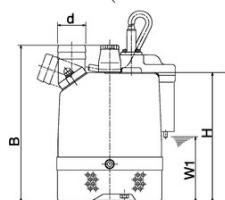
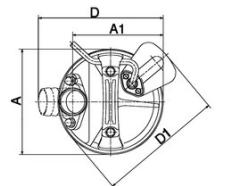
Rubber, H07RN-F

Threaded flange/Hose coupling



## Dimensions in mm:

Model	d	A	A1	B	D	D1	H	W1
LB-480	50	187	161	353	231	-	228	50
LB-480A	50	187	161	353	231	223	228	115
LB-800	50	187	160	408	230	-	283	50
LB-800A	50	187	160	408	230	223	283	170
LB-1500	50	187	122	600	-	-	518	80



W1: lowest running water level

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. In this regard, please pay attention to our website [www.tsurumi.eu/english/applications.htm](http://www.tsurumi.eu/english/applications.htm).



Contributing to World-wide Prosperity and Understanding through Worker- and Environment-friendly Production.

Designed for increased productivity through fully integrated streamlined production systems, Tsurumi's factory in Kyoto (Japan) features a production capacity of a full 1 million pumps per year. Large-scale modern R&D facilities offer optimum conditions for experimenting and testing of even super-large pumps and for developing new products to expand the possibilities and applications of pumps. To provide optimum conditions for our main asset, our workers, as well as for the environment, special emphasis is placed on optimized working conditions with airconditioning, minimized dust and exhaust gas emission, comprehensive recycling and waste recovery.

## Tsurumi (Europe) GmbH

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We reserve the right to change specifications and designs herein for improvement without prior notice. Our pumps are for professional use only. In the event that Tsurumi (Europe) GmbH have, in exceptional cases taken over, a manufacturer's warranty, this entitles the enduser to assert remedy free of charge against Tsurumi (Europe) GmbH due to any defect to the product occurring during the guarantee period (see below), also then when the warranty claims against the seller do not or no longer exist. In the event of malfunction, which is attributable to the improper handling by the enduser, no guarantee claim shall arise. Further claims shall not result from the warranty, unless if something to the contrary has explicitly been determined. The decision as to whether remedy is effected by way of replacement or repair shall be at the choice of Tsurumi (Europe) GmbH. The claims shall be time barred after a period of three months after expiry of the guarantee period, however, not before expiry of the warranty period which is valid towards the seller. In the event of doubt, the warranty period shall correspond with the warranty period which is valid between the end-user and his seller.



con-LB-EN

