

LB

Submersible General Dewatering Portable Pumps

Compact powerful pumps produced with durable materials in an easy handling design.

Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low water levels and extended dry-run capability.

LB2-400

- Synthetic rubber wear parts and vortex impeller for maximum durability.
- V-ring system protects the shaft seal from abrasives.
- Easy disassembly with one 12mm box/socket wrench.



LB2-750

- Up to 60' shut off head.
- Lightweight, compact design.
- Available in 220v/single-phase for lower amp. draw and longer cable extensions.



Standard Quality Features

- Silicon carbide faced double mechanical seal.
- Built-in motor protector (thermal and over current).
- Cable clip to protect cable entry.

Optional Accessory

- Float Switch for automatic operation
TS-302 for LB2-750(110V)
TS-303 for LB2-750(220V)

LB2-400A Automatic Submersible Pump

Model LB2-400A automatic submersible pump handles like the non-automatic version in every aspect of construction site usage requiring a tough and durable pump.




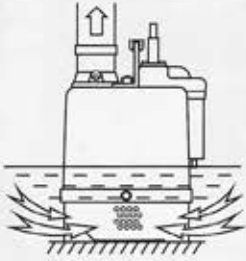
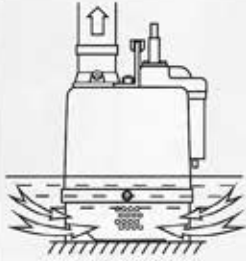
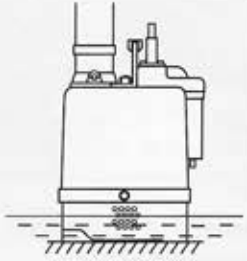
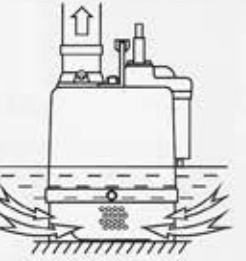
LB2-400A

- Automatic operation without control panel and float switches.
- Handles like non-automatic pump - no special installation procedures.
- Requires very small space to operate - only 8 3/4" diameter.
- Provides all the wear resistant features of standard LB2-400.

Technical Features of EL-1 Relay Unit

- EL-1 relay unit sensitive electrodes detect water to start pump operation even when foreign materials are present.
- Internal timer eliminates chattering operation in rough water to extend motor life.
- Relay sensor completely molded in resin and covered by rubber case for protection against rough handling.
- Jobsite tested for more than 30,000 on-off cycles without failure or damage.

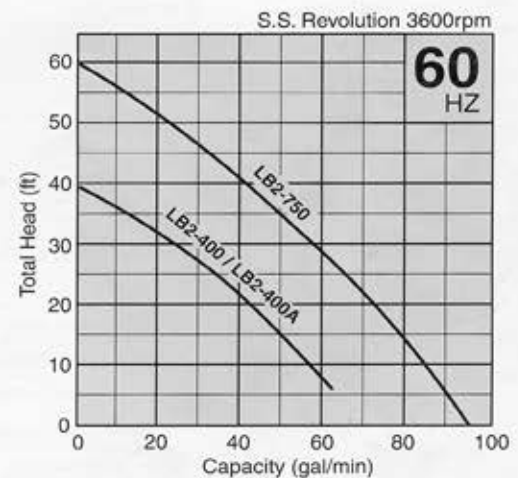
LB2-400A Automatic Pump Operation

Electrodes submerged in water closing circuit for electric current. The pump starts to operate.	Water level has fallen. Electrodes in air opening circuit for electric current. Timer starts and pump continues to operate.	Timer continues pump operation for approximately one minute. If water again contacts the electrodes timer is cancelled and pump continues operating.	Timer stops after approximately one minute.	Water level rises to contact electrodes and the pump restarts.
Pump begins operating. Water level falls.	Pump continues operating. Water level falls.	Pump continues operating. Water level falls.	Pump stops. Water level rises.	Pump begins operating. Water level falls.
				

Major Standard Specifications

Item		Discharge bore size inch	2	LB2-400 / LB2-400A	LB2-750	
Pumping Fluid	Type of Fluid	Rain Water, Ground Water, Sand Carrying Water				
	Liquid Temperature	32° - 130° F				
Pump	Components	Impeller	Semi-Vortex		Open-Type	
		Shaft Seal	Double Mechanical Seal			
		Bearing	Shielded Ball Bearing			
	Materials	Impeller	Urethane Rubber		Ductile Iron Casting	
		Casing	Ethylene Propylene Rubber		Grey Iron Casting	
		Suction Plate	Ethylene Propylene Rubber		Stainless Steel	
		Shaft Seal (mechanical seal)	Silicon Carbide			
Motor	Type, Poles	Dry-Type Submersible Induction Motor, 2 Poles				
	Insulation	Class B		Class B		
	Phase / Voltage	Single-Phase / 110V		Single-Phase / 110V or 220V		
	Motor Protector (Built-In)	Circle Thermal Protector				
	Lubricant (mechanical seal)	Turbine Oil (ISO VG32) LB2-400 5 oz., LB2-750 7.1 oz.				
	Materials	Frame	Aluminum Alloy Casting		Grey Iron Casting	
		Shaft	Stainless Steel #403			
Cable		PVC Sheath				
Discharge Connection		NPT Hose Coupling				

Performance Curves



Specifications 60HZ

Discharge Bore inch	Model	Motor Output HP	Phase	Total Head (MAX.) ft.	Capacity (MAX.) gal/min	Rated Current A	Starting Method	Ship Weight lb.	Length of Cable ft.	Dimensions inch			C.W.L. inch
										W	D	H	
2	LB2-400	2/3	Single	39.5	63.5	5.4	Capacitor	30	32	7 7/8	7 3/8	12	2
2	LB2-400A	2/3	Single	39.5	63.5	5.4	Capacitor	30	32	8 3/4	7 3/8	12	2
2	LB2-750	1	Single	60	96	11.5	Capacitor	48	32	8 1/4	8 1/4	16 3/4	3 7/8

■ Max. Cable Length (including standard 32 ft.)
 LB2-400(A) 97 ft. 3c x 16AWG
 LB2-750 110V-73 ft. / 220V-258 ft. 3c x 14AWG

■ LB2-750(220V) Rated current 6.5 Amps
 ■ C.W.L. Continuous Running Water Level