Electric Submersible Pumps

LB-480 • LB-480A DEWATERING PUMPS

LB-480 Slimline design pump allows to fit into 8" pipes. Powerful pumps built 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. **LB-480A Automatic Submersible Pump** performs like the non-automatic version in every aspect of construction site usage requiring a tough and durable pump.



LB-480

LB-480 Features

• Urethane, Sem

- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability and maintaining pump performance.
- Dual Inside Mechanical Seal With SiC faces provides longer operational life.
- Oil Lifter provides lubrication of the seal faces. (Patented)
- · V-Ring Seal design protects mechanical seal from abrasive particles.

Optional Accessories

• TS-301 Float Switch for automatic operation.

LB-480A Features

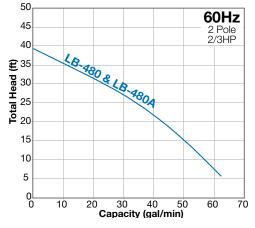
- No control panel or float switches required.
- · Performs like the non-automatic pump with no special float installation required.
- Requires very small space to operate only 8 3/4" diameter.
- Urethane, Semi Vortex Impeller and Wear Plates for maximum durability with maintaining pump performance.
- Oil Lifter provides lubrication of the seal faces. (Patented)
- V-Ring Seal Protector designs mechanical seal from abrasive particles.
- Environmentally friendly, reducing electrical costs and operational noise.



- Sensitive electrodes detect water to start pump operation even when foreign materials are present.
- Internal timer eliminates frequent on/off 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.



LB-480A



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.

 $\hbox{\it Certified by Intertek Testing Service to UL and CSA standards for submersible construction pumps.}$

Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimensi	ion (inch)	Continuous Running	Shipping Weight
	(HP)		(inch)	(ft)	Diameter	Height	Water Level (inch)	(lbs.)
LB-480	2/3	Single	2	32	7 11/16	11 1/4	2	28
LB-480A	2/3	Single	2	32	8 3/4	11 1/4	4 1/2 *	30

^{*} Pump Starting Water Level

Electric Submersible Pumps

LB(T)-800 • LB-800A DEWATERING PUMPS



LB-800 • LBT-800 Slimline design pumps allow to fit into 8" pipes. Powerful pump built with durable materials in an easy handling design. Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low levels and extended dry-run capability.

LB-800 (Single Phase) • LBT-800 (Three Phase) Features

- Designed to fit an 8" pipe.
- Up to 59' shut off head.
- Available in 230V single-phase for lower amperage draw and longer cable extensions.
- Dual Inside Mechanical Seal With SiC faces provides longer operational life.
- Oil Lifter provides lubrication of the seal faces. (Patented)
- LB-800 (Single Phase) and LBT-800 (Three Phase) are available.

Optional Accessories

Float Switch for automatic operation TS-302 for 115V, TS-303 for 230V.

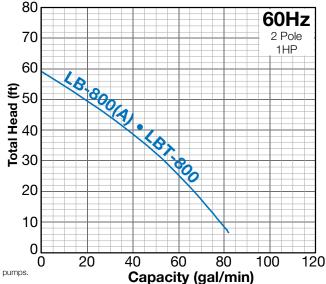


NEW Dewatering pump LB-800A features the Relay Unit (Level Sensor) which incorporates low voltage, stainless steel probes, epoxy and rubber encapsulated timing relay, that turns the unit off when liquid is not present. It saves energy and extends the life of the motor and bearings!

LB-800A (Single Phase) pump Features

- Up to 59' shut off head.
- Dual Inside Mechanical Seal With SiC faces provides longer operational life.
- Oil Lifter provides lubrication of the seal faces. (Patented)





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LB-800 • LBT-800

Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimension (inch)		Continuous Running	Shipping Weight
	(HP)		(inch)	(ft)	Diameter	Height	Water Level (inch)	(lbs.)
LB-800	1	Single	2	50	7 9/16	13 7/16	2	35
LBT-800	1	Three	2	50	7 9/16	13 7/16	2	35

I B-800A

Model	Motor Output	Phase	Discharge Bore	Cable Length	Dimensi	ion (inch)	Pump Starting	Shipping Weight
	(HP)		(inch)	(ft)	Diameter	Height	Water Lebel (in.)	(lbs.)
LB-800A	1	Single	2	50	8 3/4	13 7/16	6 3/4	36

Electric Submersible Pumps

LB-1500 • LBT-1500 DEWATERING PUMP

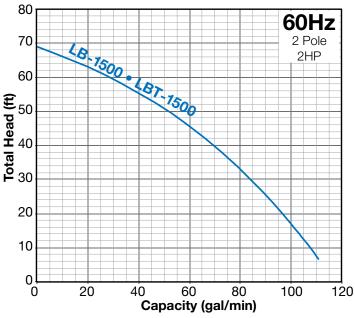
LB-1500 • LBT-1500 Slimline design pumps fit into 8" pipes. Powerful pump built with durable materials in an easy handling design. Top discharge provides maximum motor cooling efficiency allowing continuous duty operation at low levels and extended dry-run capability.



LB-1500 (Single Phase) • LBT-1500 (Three Phase) Features

- Circle Thermal Motor Protector: Protects against, overheating over amperage & run-dry.
- Anti-Wicking Block: Prevents water incursion due to capillary wicking, should the power cable be damaged or the end submerged.
- Oil Lifter: Lubricates the seal faces down to 1/3 of normal oil level and extends seal life by ten times using no additional power.
- Dual inside mechanical seals with silicon carbide faces, (both top and bottom)
 running in an oil filled chamber provides for the most durable seal design available.
- High Chrome Iron Semi-Open Impeller: Resists wear from abrasive particles.
- Synthetic Rubber Pump Casting: For wear resistance and easy maintenance.
- V-Ring System: Protects the shaft seals.





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Model	Motor Output	Phase	Bore Le	Cable Length	Dimension (inch)		Pump Starting	Shipping Weight
	(HP)			(ft)	Diameter	Height	Water Level (in.)	(lbs.)
LB-1500	2	Single	*2 or 3	50	7 3/8	23 5/16	3 1/8	85
LBT-1500	2	Three	*2 or 3	50	7 3/8	23 5/16	3 1/8	85