



**LB - SERIES**  
SEMI-VORTEX - DEWATERING PUMP

**SPECIFICATIONS**

**FEATURES**

1. Semi-vortex urethane rubber or high chrome cast iron impeller suspends solids and allows for pumping of sand and stringy Material.
2. Highly efficient, continuous duty Air-filled, copper wound motor with class E,B insulation minimizes the cost of operation.
3. Built in thermal protection prevents motor failure due to overloading, accidental run-dry and single phasing in three phase units.
4. Double inside mechanical seals with silicon carbide faces running in an oil filled chamber provide for one the most durable seal designs available.
5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a

provide for extended operational life.

6. Model LB-480A & LB-800A Automatic Submersible pump performs like the non-automatic version in every aspect of construction site usage requiring a tough and durable pump
7. Slim design allows pumps to fit Into 8" pipes. (Manual type only)

**APPLICATIONS**

1. Residential, commercial, industrial wastewater and site drainage.
2. Decorative waterfalls and fountains.
3. Raw water supply from lakes or rivers.
4. Sediment removal from small sumps or basins.



**SPECIFICATIONS**

- Discharge Size
- Horsepower Range
- Performance Range Capacity Head
- Maximum water temperature
- Materials of Construction
  - Casing
  - Impeller
  - Shaft
  - Motor Frame
  - Fasteners
- Mechanical Seal
  - Elastomers
- Impeller Type
- Solids Handling Capability
- Bearings
- Motor Nomenclature
  - Type, Speed, Hz.
  - Voltage, Phase
- Insulation
- Accessories
- Operational Mode

**STANDARD**

- 2 - 3 "NPT (50 - 80 mm)
- 1/2 - 2HP. (0.40 - 1.5kW)
- 15.9 - 111.0 GPM. (0.06 - 0.42 m<sup>3</sup>/min)
- 13.1 Ft. - 68.9 Ft. (4.0 - 18.9 m)
- 104° F. (40° C.)
- Butadiene Rubber + Natural Rubber + Steel [LB(T)-1500]
- Urethane Rubber , High Chrome Cast Iron [LB(T)-1500]
- 403 Stainless Steel
- Aluminum alloy
- 304 Stainless Steel
- Silicon Carbide
- NBR (Nitrile Butadiene Rubber)
- Semi-vortex, solids handling.
- 0.236" (6.0mm)
- Prelubricated, Double Shielded
- Air Filled, 3600 RPM, 60 Hz.
- 115 / 230V., 1 Phase
- 230 / 460 / 575V., 3 Phase
- Class E, B
- Submersible Power Cable
- 32 - 50' (10 - 15m)
- Manual , Automatic(LB-480A / 800A)

**OPTIONS**

- Length as Required,
- TS-301 Float Switch