

 **TSURUMI PUMP**
**LB-800/LBT-800**  
**SEMI-VORTEX - DEWATERING PUMP**
**SPECIFICATIONS**
**■ FEATURES**

1. Semi-vortex, urethane rubber impeller, urethane front & rear wear plates and ethylene propylene rubber casing increases wear resistance when pumpage contains abrasive particles.
2. Double inside mechanical seals with silicon carbide faces, (both top and bottom) running in an oil filled chamber and further protected by a lip seal running against a replaceable, 304 stainless steel shaft sleeve, provides for the most durable seal design available.
3. Highly efficient, continuous duty air filled, copper wound motor with class B, insulation minimizes the cost of operation.
4. Built in thermal protector prevents motor failure due to

overloading or accidental run -dry conditions.

5. Double shielded, permanently lubricated, high temperature C3 ball bearings, extend operational life.
6. Top discharge, flow-thru design enables operation at low water levels for extended periods.

**■ APPLICATIONS**

1. Residential, commercial, industrial wastewater and construction site drainage.
2. Effluent transfer.
3. Decorative waterfalls and fountains.
4. Raw water supply from rivers or lakes..


**■ 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" Npt (50 mm)  
 1 Hp. (.75 Kw)  
 10 ~ 82 Gpm. (.037 ~ .31 m<sup>3</sup>/min)  
 7 ~ 59 Ft. (2.1 ~ 17.9 m)  
 104° F. (40° C.)

Ethylene Propylene Rubber  
 Urethane Rubber  
 403 Stainless Steel  
 Aluminum alloy  
 304 Stainless Steel

Silicon Carbide/Silicon Carbide  
 NBR (Nitril Buna Rubber)  
 Semi-vortex, solids handling.  
 Screen opening

Pre-lubricated, Double Shielded C3

Air Filled, 3600 Rpm, 60 Hz.  
 115/230 V., 1 Phase  
 230/460/575 V. 3 Phase (LBT-800)  
 Class E

Submersible Power Cable 50' (9.75 m)

Manual

**■ OPTIONS**

Length as Required, (97' Max)



# LB SERIES

## SEMI-VORTEX - DEWATERING PUMP

# PERFORMANCE

## CURVE

| MODEL                         |      | BORE   | HP              | KW   | RPM                 | SOLIDS DIA | LIQUID | SG.             | VISCOSITY | TEMP.      |
|-------------------------------|------|--------|-----------------|------|---------------------|------------|--------|-----------------|-----------|------------|
| LB-800-60                     |      | 2"50mm | 1               | 0.75 | 3330                | 0.236"/6mm | Water  | 1.0             | 1.81 CST  | 60F        |
| PUMP TYPE                     |      | PHASE  | VOLTAGE         |      | AMPERAGE            |            | HZ     | STARTING METHOD |           | INS. CLASS |
| Semi-Vortex - Dewatering Pump |      | Single | 110/115/220/230 |      | 10.8/10.3 / 5.7/5.5 |            | 60     | Capacitor Start |           | E          |
| CURVE No.                     | DATE | PHASE  | VOLTAGE         |      | AMPERAGE            |            | HZ     | STARTING METHOD |           | INS. CLASS |
|                               |      |        |                 |      |                     |            |        |                 |           |            |

