



**LHW- SERIES**  
**HIGH HEAD DEWATERING PUMP**

**SPECIFICATIONS**

**■ FEATURES**

1. Enclosed, high chrome iron, impellers, with replaceable / adjustable high chrome iron wear rings 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, 430 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, F insulation minimizes the cost of operation.
4. Built in thermal & amperage Sensing protector prevents motor failure due to-

overloading or accidental run -dry conditions.

5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours, 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
- Seal Pressure Relief Ports
- Mechanical Seal
  - Elastomers
- Impeller Type
- Solids Handling Capability
- Bearings
- Motor Nomenclature
  - Type, Speed, Hz.
  - Voltage, Phase
  - Insulation
- Accessories
- Operational Mode

**■ STANDARD**

- 2" ~ 4" NPT (50 ~ 100 mm)
- 4 ~ 150 HP. (3.0 ~ 110 kW)
- 26.4 ~ 528 GPM. (0.10 ~ 2.0 m<sup>3</sup>/min)
- 54.1 Ft. ~ 755 Ft. (16.5. ~ 230 m)
- 104°F. (40 °C.)
- Cast Iron , Ductile Cast Iron
- High Chrome Cast Iron
- 420 Stainless Steel
- Cast Iron
- 304 Stainless Steel
- 7.5 - 150HP (5.5 - 30kW)
- Silicon Carbide
- NBR (Nitrile Butadiene Rubber)
- Enclosed, two stage, solids handling.
- 0.236 - 0.334" (6.0 - 8.5mm)
- Prelubricated, Double Shielded
- Air Filled, 3600 RPM, 60 Hz.
- 208/230/460/575 V., 3 Phase
- Class B, F
- Submersible Power Cable 65' (20 m)
- Manual

**■ OPTIONS**

- Length as Required
- TS-301 Float Switch