TLNH/TLFN Sump Slurry Pumps

TD PUMPS are specialists in delivering and supporting Slurry Pump Solutions including pumps, hydrocyclones, valves and wear resistant linings for global mining and mineral processing, the power sector, and general industry.

We aim to lead the market in application expertise, service-support and product development.

The strength of TD PUMPS products lies in the superiority of our hydraulic designs and wear and corrosion resistant materials.

We has invested heavily in an ongoing programme of research and development which focuses on the areas of hydraulic design, materials technology and shaft sealing.

The TLNH/TLFN heavy duty cantilever sump pump is designed for applications requiring greater reliability and durability than conventional vertical process pumps can offer.

The heavy duty cantilever design makes the TLNH/TLFN sump pump ideally suited for heavy continuous handling of abrasive and corrosive liquids and slurries whilst submerged in sumps or pits.

TLNH/TLFN sump pumps offer you:

- **Reliability**
  -by design.
- **Low Spares costs**
  -from longer wear life.
- **Lower Energy costs**
  -from maintained efficiency.
- **After Sales Support**
  -second to none.

APPLICATION

The rugged TLNH/TLFN Heavy Duty Sump Pumps are available in a wide range of popular sizes to suit most pumping applications. Thousands of these pumps are proving their reliability and efficiency worldwide in:

- **Minerals processing**
- **Coal preparation**
- **Chemical processing**
- **Effluent handling**
- **Sand and gravel**

and almost every other tank, pit or hole-in-the-ground slurry handling situation.

The TLNH/TLFN design with either hard metal (TLNF) or elastomer covered (TLFN) components makes it ideal for:

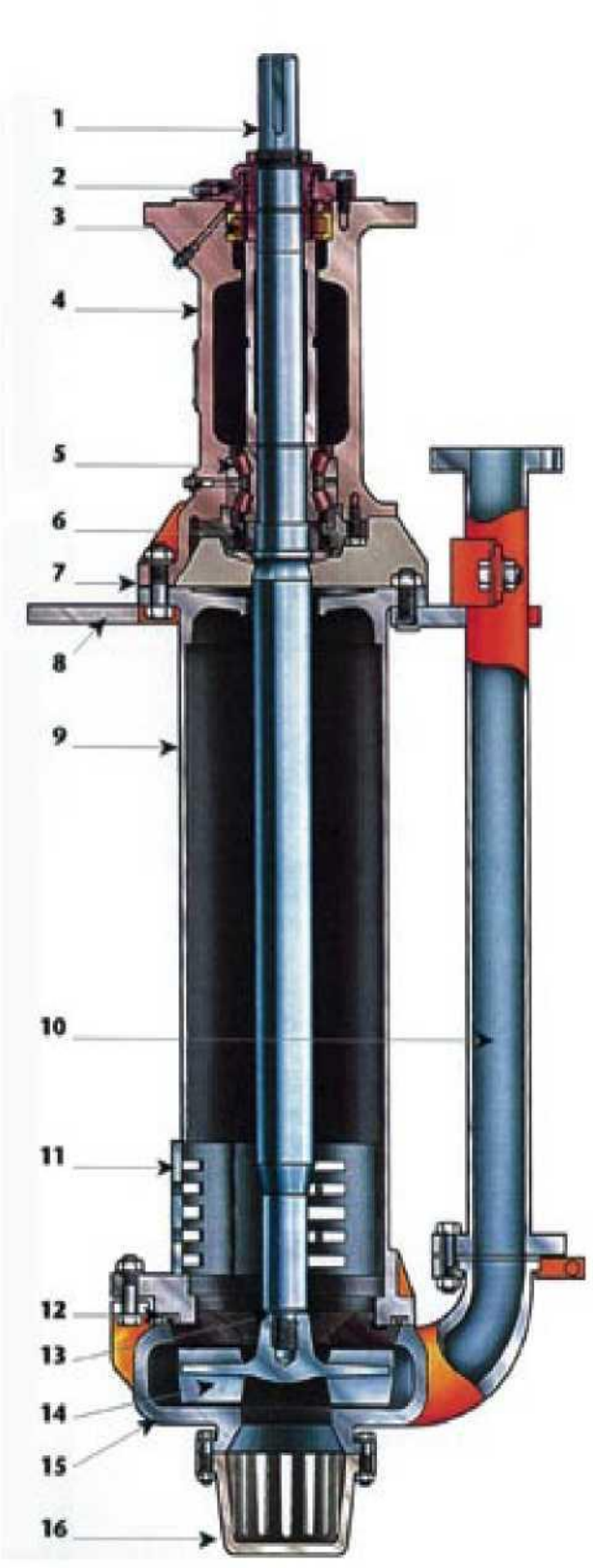
- **Abrasive and/or corrosive slurries**
- **Large particle sizes**
- **High density slurries**
- **Continuous or "snore" operation**

TLNH/TLFN Heavy Duty Sump Pumps are available in various standard lengths to suit common sump depths, for very deep sumps or where high shaft speeds limit the length of the pump, a suction extension pipe can be fitted to the bottom inlet to extend the depth of the pump by up to 2 metres.

Pumping is maintained even when the top inlet is not submerged, thus enabling the level of liquid to be lowered right down to the bottom inlet or the bottom of any suction extension pipe.

To suit special requirements other pump wet ends can be fitted to the standard TLNH pump dry end.

STRUCTURE AND MATERIAL



1. **Shaft**

   Steel

2. **Upper Bearing Seal**

   Labyrinth, piston rings and grease purge

3. **Upper Bearing**

   Heavy duty grease lubricated parallel roller

4. **Bearing Housing**

   Cast iron

5. **Lower Bearings**

   Grease lubricated double taper roller

6. **Lower Bearing Seal**

   Lip Seal and Flinger

7. **Shims**

   Allow vertical adjustment of the impeller in the casing

8. **Mounting Plate**

   TLNH - Steel /TLFN - Elastomer covered steel

9. **Column**

   TLNH - Steel /TLFN - Elastomer covered steel

10. **Discharge Pipe**

    TLNH - Steel /TLFN - Elastomer covered steel

11. **Upper Strainer**

    TLNH - Stainless Steel/TLFN - Polyurethane

12. **Back Liner Seal**

    TLNH - Elastomer

13. **Impeller Thread Seal**

    TLNH - Elastomer

14. **Impeller**

    TLNH - UltraChrome

    TLFN - Elastomer moulded metal

15. **Casing**

    TLNH - UltraChrome

    TLFN - Elastomer moulded metal

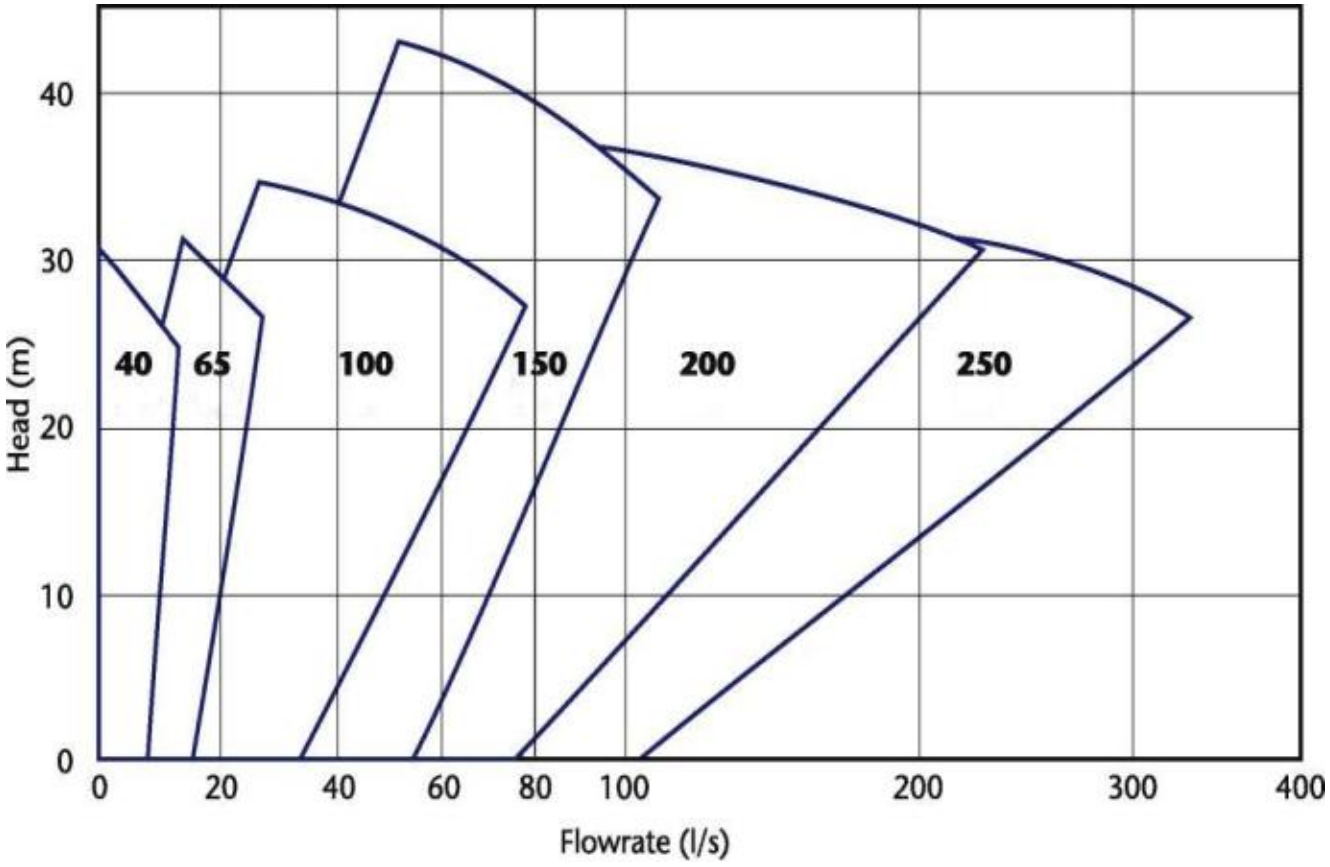
16. **Lower Strainer**

    TLNH - Polyurethane

    TLFN - Elastomer moulded metal

PERFORMANCE

Flow: 8-1267m ³/ h
Head: 4-42m
Power: 0.75-200kw
Maximum solid particles: 0-65mm



HEBEI TONGDA PUMP CO.,LTD
Our quality and high-efficiency products as well as our understanding of customer requirements have made us a preferred partner for pumping solutions worldwide.

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