



ZTN - Pumps for Heat Transfer Oil



SIHI Pumps
www.sterlingamericas.com



Economical, ecological and safe



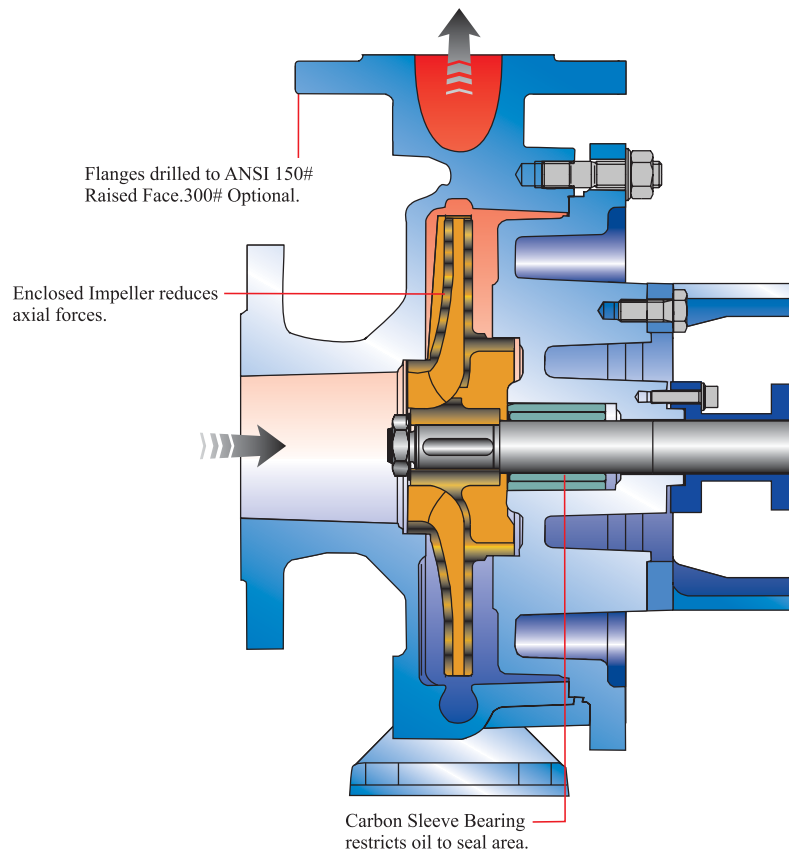
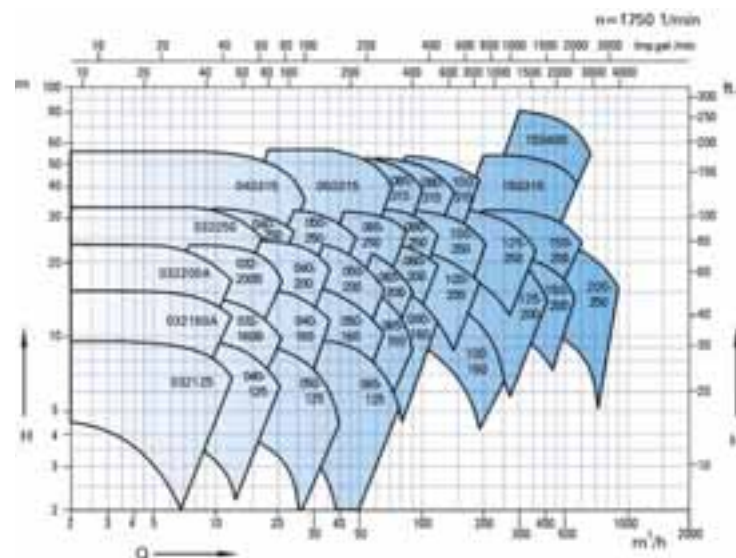
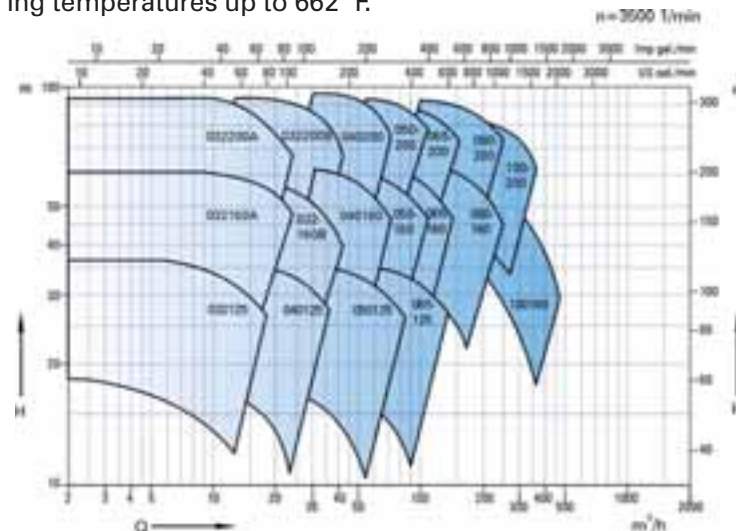
These pumps are applied in, but not limited to the following industrial sectors:

- | | |
|-----------------------------|--------------------|
| ■ Chemical industry | ■ Paper industry |
| ■ Food industry | ■ Laundries |
| ■ Rubber & Plastic industry | ■ Asphalt industry |

ZTN Hot Oil Pumps: The solution for critical duties

SIHI has built ZTN Pumps for over 25 years.

In contrast to water, organic or synthetic heat transfer liquids offer the capability to heat or cool without high system pressures. Maximum operating temperatures up to 662 °F.



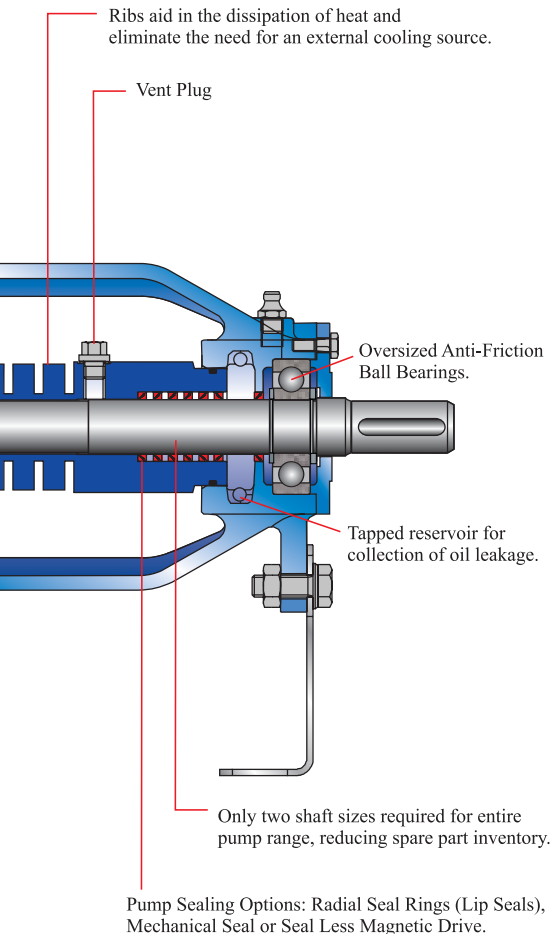
Technical data:

Capacity: 4000 GPM

Total Head: 310 Ft.

Temperature: 662 °F (max.)

Material: Ductile iron



ZTN Thermal Oil Pump

The **ZTN** Series has been developed for handling thermal oil up to 662 °F in the heat engineering industry. The increased demands on operational safety, environmental protection and the reduction in running expenses have consequently been considered in this design.

All pressure-loaded components are constructed out of ductile iron. The extensive range of available sizes make it possible to select the right pump for any application at an affordable cost, not only of the pump but the cost of operation as well.

The ribbed design of the seal housing unit, in addition to controlling the flow of pumpage to the seal area, allows heat to be effectively dissipated from the pumpage before that heat reaches critical wear components; the Radial Seal Rings or Mechanical Seal and ball bearings (see chart). These components therefore can operate without external cooling.



Standard TEFC motors are used with the ZTN pumps without the need for an additional shaft mounted cooling fan.

The pump is fitted with a thermally isolated bearing carrier and a sliding

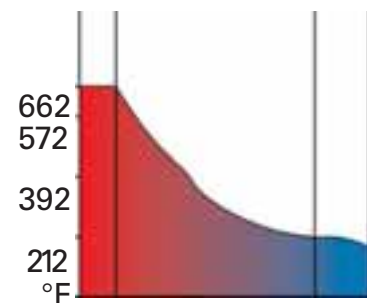


sealing housing that can accommodate thermal expansion, thus preventing distortion and misalignment between the pump and coupling.

ZTN pumps can be converted from Radial Seal Rings (Lip Seals) to mechanical seals.

Back Pull Out

The back pull out design allows the disassembly of the complete rotating assembly without removing the pump casing from the pipe system.



Pump Design Dissipates heat away from seals and bearings with no external cooling.