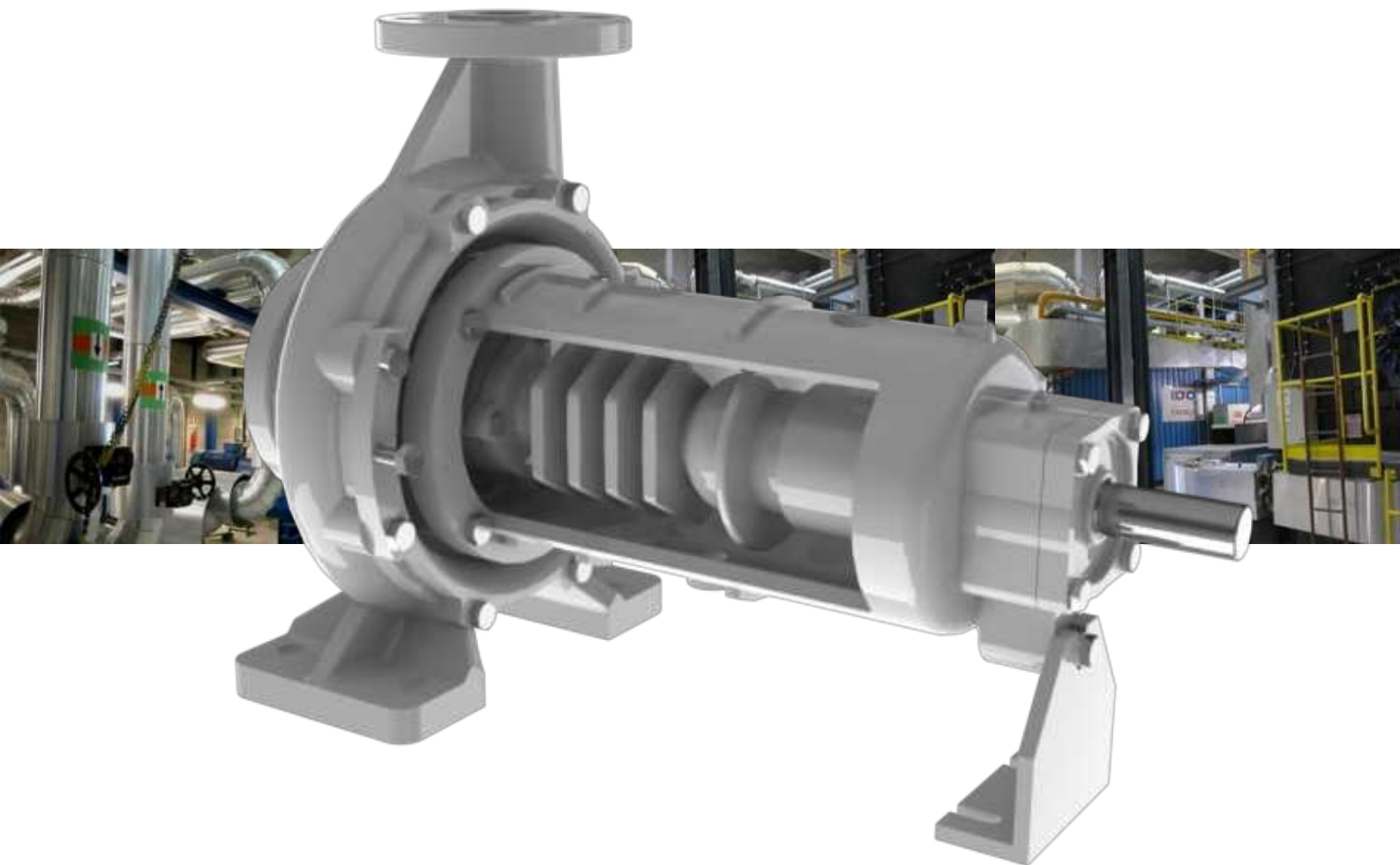


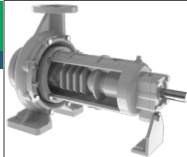
Line

INI-HT

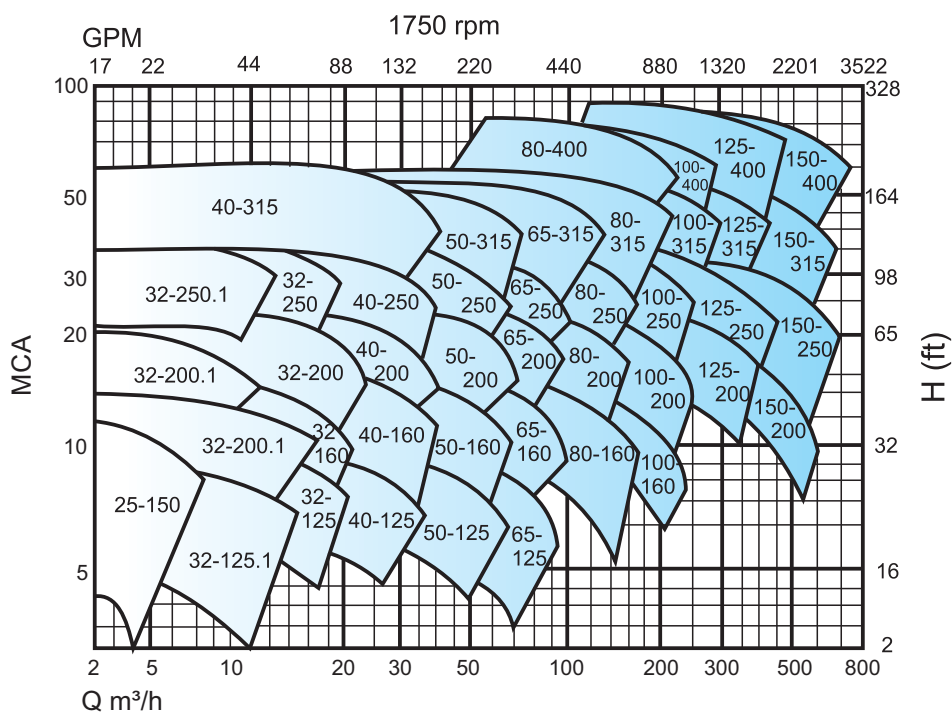
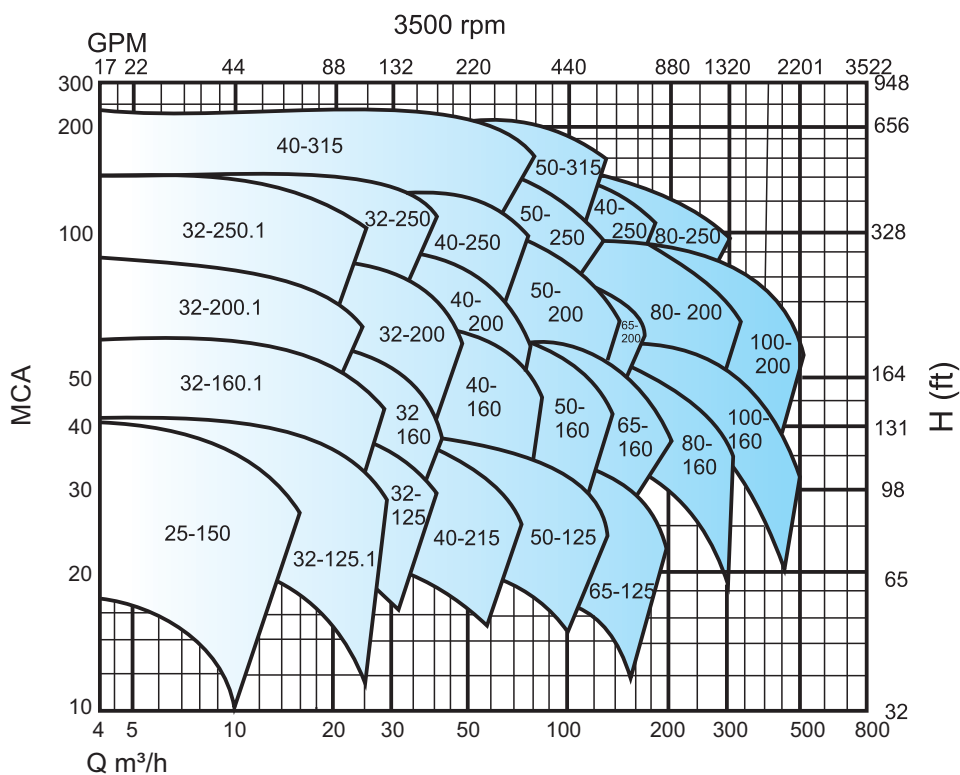
Thermal Oil

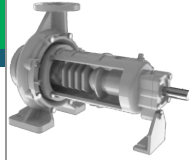


 **IMBIL**®
Pumping Solutions

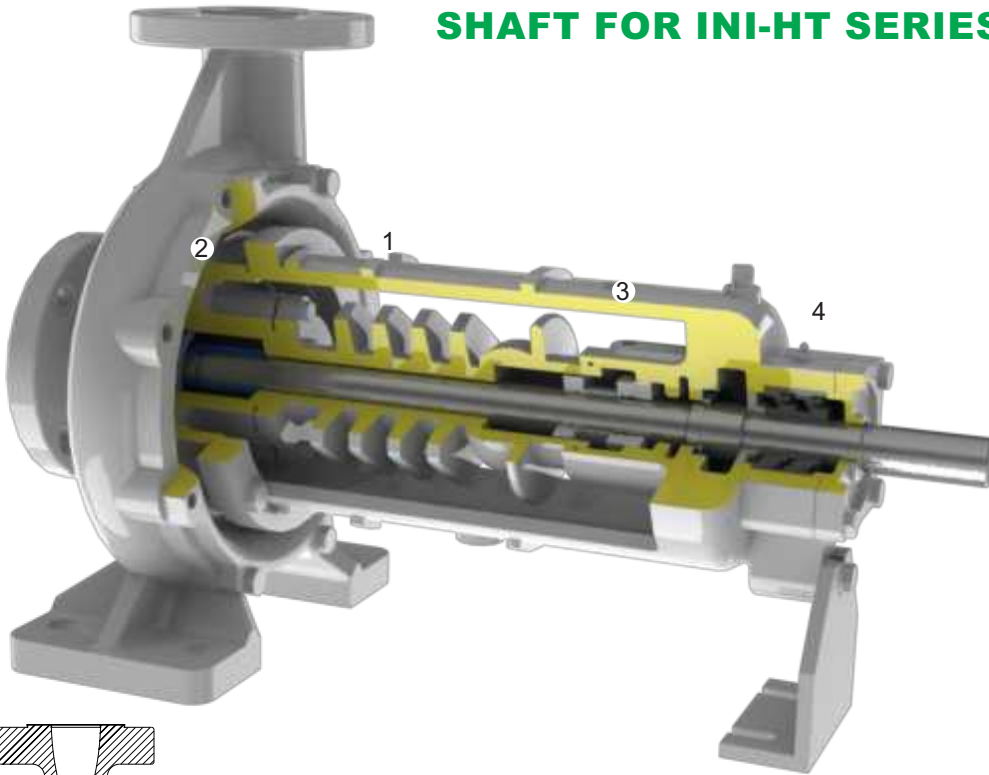


RANGE COVERAGE CHART

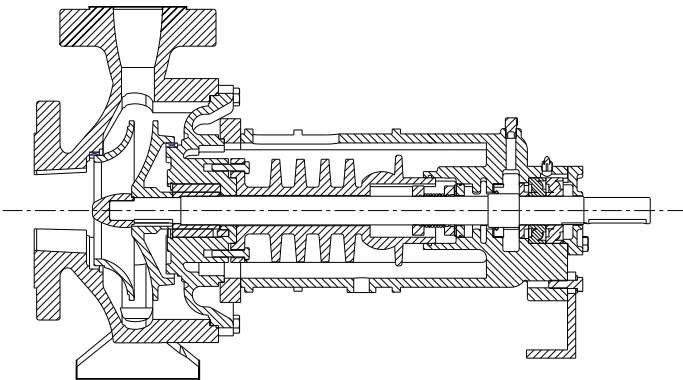




SHAFT FOR INI-HT SERIES

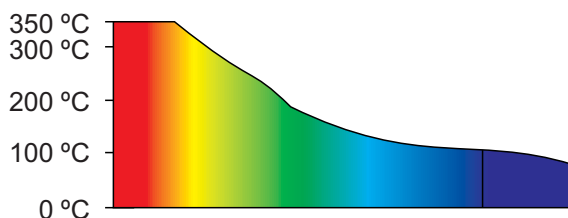
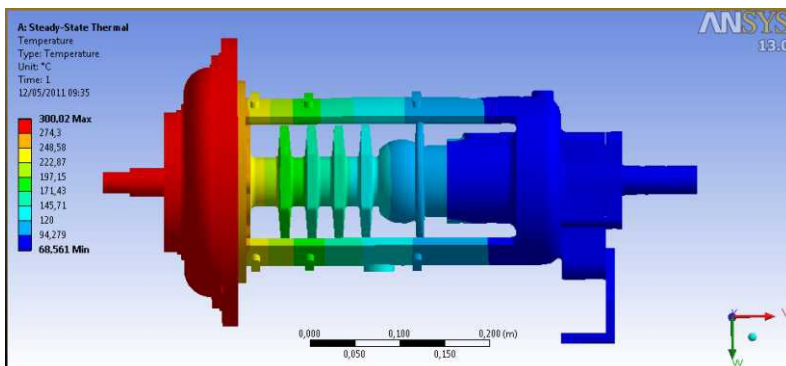


- ① Bearing allows for better heat dissipation
- ② Coal bushings with low porosity and metallic load
- ③ Mechanical seal placed in area of low temperature
- ④ Grease lubricated bearings, no contact with the pumped fluid



Advantages of the project:

- Increased productivity.
- Reduces the cost related to maintenance.
- Eliminates leakage of thermal fluid.
- Savings regarding sealing problems.

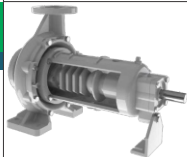


The INI pump line now has one more specific bushing project for pumping thermal fluid. Being a high temperature service, such pumping requires a lot of special care and for that reason we are constantly launching new solutions that can meet needs in the best way possible.

This new bearing design allows the application of mechanical seals outside of the high temperature area of the pump but internally to the bearing housing, which reduces the value of mechanical seal, increases the time between maintenance interventions of the bearing, and allows for safe operation.

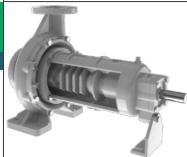
INI-HT Pumps

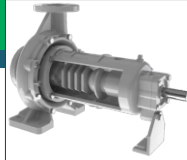
Thermal Oil



INI-HT Pumps

Thermal Oil





AREA OF 120.000 SQUARE METERS

- | | | | | |
|---|---------------------------------------|---|------------------------------------|-----------------------------------|
| F1. Medium-sized pumps | F3. Center for the development | F5. Small pumps | F7. Precision casting | F10. Pumps for oil and gas |
| F2. Foundry cast iron and INOX/WCB | F4. Large pumps | F6. Contracts and maintenance services | F8. Coupling and expedition | |

IMBIL - Generating Pumping Solutions

Growing in the global pumping market, IMBIL - Industries and Maintenance of Pumps ITA Ltda., is located in the city Itapira, Sao Paulo on its own area of 120,000 square meters.

IMBIL disposes of advanced technical resources, practices of modern Administration and Engineering techniques, and the constant development of competencies, skills and attitudes of employees.

Our Quality Management System is certified by the international standard ISO 9001-2000 - "Bureau Veritas Certification."

Currently IMBIL has accelerated the development of its Integrated System of Social and Environmental Management.

All Commercial, Administrative and Industrial functions of IMBIL are fully interconnected by Management software in a network with more than a hundred stations that are connected by wireless fiber optic.

Supported by three privately owned Modeling Foundries, IMBIL is self-sufficient in the production of their castings, which attends the most varied materials, especially those resistant to abrasion and corrosion.

IMBIL uses Lean Manufacturing – a philosophy that aims to reduce the time between order placement and shipment of the product - which results in greater flexibility and shorter delivery times to customers.

IMBIL offers an appropriate and personalized Pre-sales service, from initial startup up to the maintenance of the equipment. IMBIL also, under Contract of Services, provides pumping installations for Sugar and Methanol, Steel, Mining, and other Industries in general.

This whole set of Human, Technological, and Financial resources are focused on IMBIL's Mission - "Provide pumping solutions and associated services to meet the needs and desires of its customers in the global market", while also respecting ethical principles that guide their relations with employees, partners, the environment and the society.

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