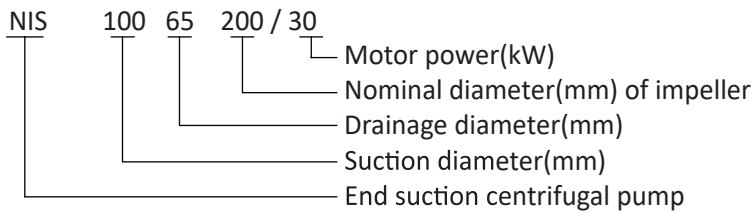


NISO END-SUCTION PUMPS

● Definition of model



● Min inlet pressure

Min inlet pressure depends on NPSH +0.5m safely margin + gasified pressure. It should be re-calculated the inlet pressure if one of the following happens.

- The liquid is more warm
- The flow speed exceeds the nominate value
- System pressure is too little
- Suction distance is very long or inlet pipe is very long

● Typical application

- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber
- Water supply system
- Heat,air condition system
- Booster, constant pressure water supply
- Firefighting, splitting system
- Irrigating, farming
- Industry cooling, heater circulation system
- Industry transferring, drainage system

● Construction

- Non-self-priming, single suction, horizontal, axial suction and radical discharge, pump body is fixed by base.
- NISO Pump use bearing cradle, which can orientate bearing, prevent from radical vibration, improve the rigidity of rotary part.
- NISO Pump use compacted shaft, use deep groove grease lubricated roller bearing
- NISO Pump use connect pump and motor with semi-flexible coupling
- Use standard wearable mechanical seal
- TEFC motor, size complies to IEC standard.
- NISO Pump dimensions is conform to ISO 2858
- NIS, NISF Pump are stub shaft

● Specification

- Flow: Max 800m³/h
- Head: Max 160m
- Work pressure: Max 16 bar
- Inlet pressure: Max 6 bar
- Power: Max 160kW
- Liquid temp: -15° C~110° C
- Inlet and Outlet diameter: Inlet diameter: DN50~DN250
Outlet diameter: DN32~DN200

● Curve conditions

- Curves tolerance is according to ISO 9906, Annex A;
- All curves are based on the measured value of constant motor speed 2900rpm, 2950rpm, 1450rpm or 1480rpm.
- The measurements were made with airless water at temp. of 200C. The curves apply to a kinematic viscosity of 1mm²/s(1 cst).

● Features

- Back-pull-out design, without having to disturb pump body and pipelines when servicing.
- All the NISO Pump models only use 4 kinds of pump shafts and bearing cover, make many parts exchangeable.
- Impeller s optimum design, inlet is enlarged, no whirlpool, deduct the water pump NPSH efficiently, which makes pump work stable with little noise.
- NIS, NISF Pump are small, compact, easy to install.