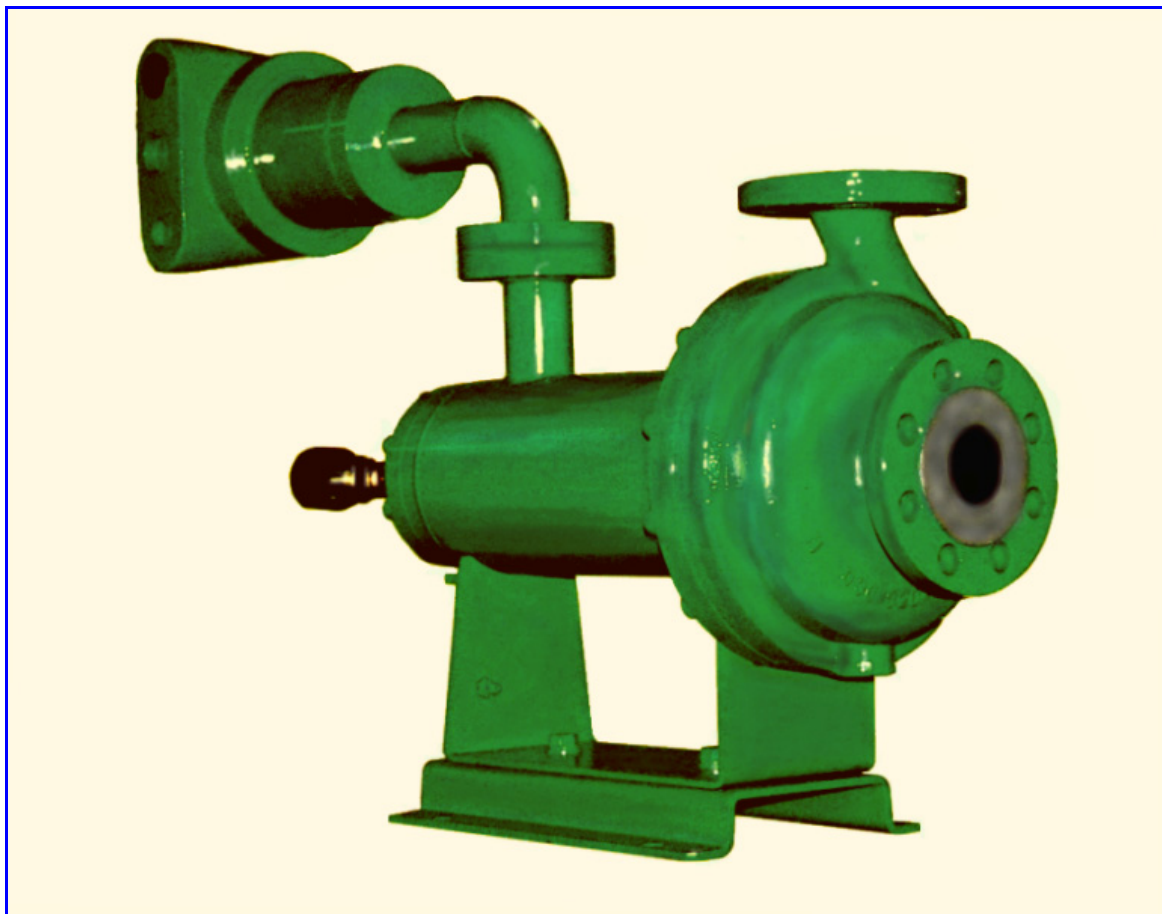




HY - Series



High temperature liquids - No cooling required

Capacity	max. 130 m³/h
Head	max. 90 m
Motor rating	max. 7,5 kW
Temperature range	max. 250 °C

HY - Series

General

Nikkiso HY-Series canned motor pumps are centrifugal pumps, which due to their construction are hermetically encapsulated. The shaft seal usually required on centrifugal pumps is not necessary. The pumps are driven by integrated canned motors. Space requirements and noise emissions are much lower than those of conventional centrifugal pumps. The HY-type is designed for hot fluid application up to 250°C. without external cooling.

- Compact size
- Axial thrust balanced for long bearing life
- Bearing wear monitoring
- For liquid temperatures up to 250°C no external cooling required
- Nikkiso block building system
- Heating jackets for pump / motor available
- Spare parts interchangeable with SGM-Series

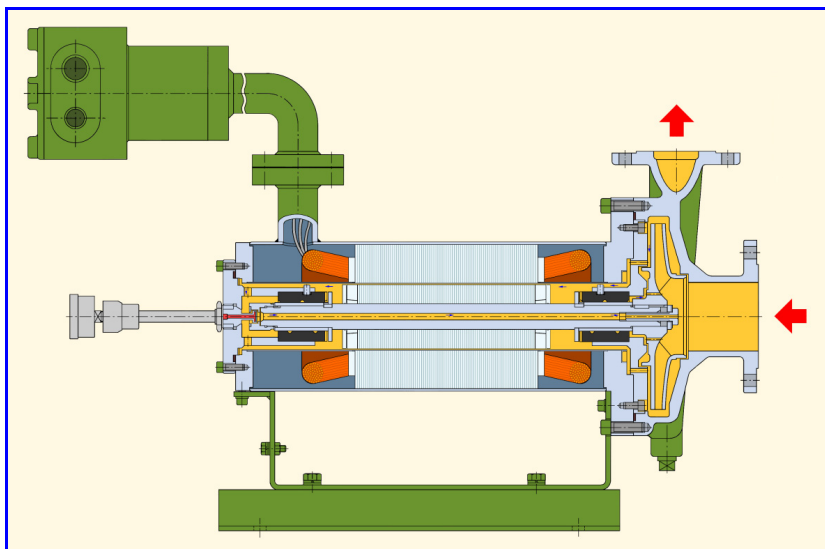
Applications:

Nikkiso HY - Series canned motor pumps are mainly used for aggressive, inflammable, explosive and toxic clean liquids at high temperatures and also offers advantages over conventional pumps when pumping water.

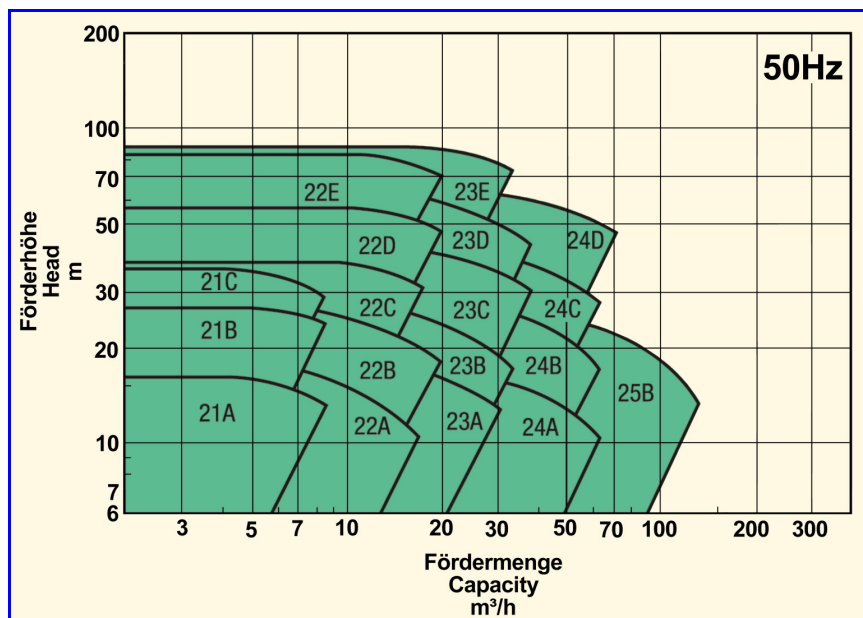
The pumps are proven for use in vacuum systems.

The pumps are used for

- Hot water up to 200 °C
- Heat transfer liquids also offers advantages over conventional pumps when pumping water.
- Solidifying liquids (solidifying point to 160°C)



Pressure / Capacity Envelope



Materials (Standard design)

Part	Code
Casing(s)	1.4408
Impeller	1.4401
Gaskets	1.4401 / Graphite spiral wounded
Bearing housing	1.4401
Bearing	Special Carbon or SiC
Shaft sleeves	1.4401 / Metco or WC
Thrustwasher	
Motor housing	1.0040
Stator shell	1.0040
Can	Hastelloy
Rotor/Stator end cover	1.4401
Base / Motor support	1.0040

Other materials on request

Driver

- Integral 3-phase asynchronous motor IP67 / IP65 and flame proof acc. to ATEX 100a (94/9/EC).
- The motors are in accordance with VDE/EN requirements.
- Thermal winding protection