

# ICN LF

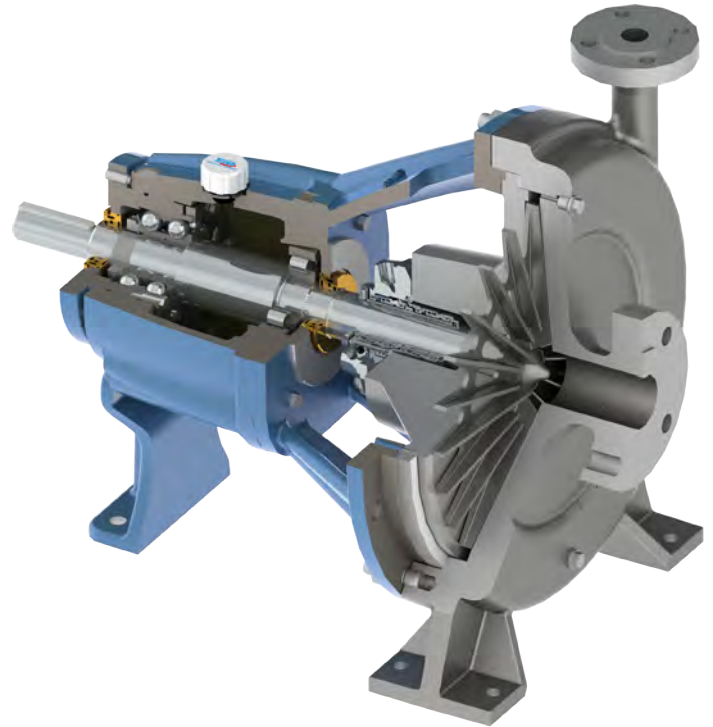
ISO5199

**FOR LOW-FLOW AND HIGH HEAD REQUIREMENTS**

FOR CLEAR, TOXIC, CORROSIVE, FLAMMABLE, HOT LIQUIDS.

## Design:

- / Flanges per ANSI PN 40. Other flange standards upon request
- / Metal-to-metal casing seal providing the right O-Ring compression and a perfect alignment
- / Different impeller and casing machining types for a same size of pump ensure operation near the BEP (best efficiency point) with large operating range
- / Shaft sealed by cartridge mechanical seal or with various optional sealing constructions
- / Permanent bearing protection by labyrinth seal
- / Accessible seal area
- / High radial load roller bearing
- / Extra heavy shaft providing a strong reliable power transmission
- / Case drain is optional
- / Adjustable bearing carrier allows for easy impeller clearance adjustment for high hydraulic efficiency
- / Bearing frame has a large oil capacity to provide optimum bearing lubrication
- / Impeller manufactured with the investment casting process ensuring an optimal surface accuracy and high efficiency



## Performances:

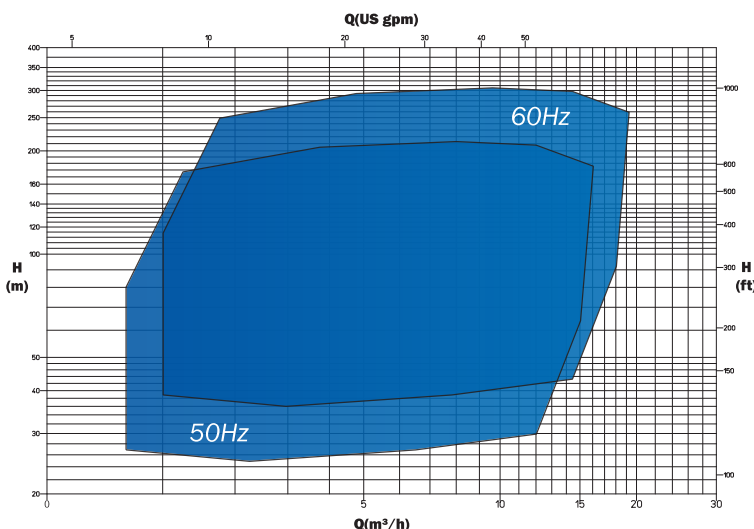
- / Capacity : up to 20 m<sup>3</sup>/h (88 US gpm)
- / Total head : up to 300 m (985 ft)
- / Maximum operating pressure : 60 bar (870 PSI)
- / Temperature operating range : up to 180 °C (356 °F)
- / Maximum speed : 3,600 rpm at 60 Hz
- / Higher capacities and heads upon request

## Standard materials:

- / Standard: 26/5/2 + Cu stainless steel, FT25 cast iron
- / Other materials upon request: nodular cast iron, hastelloy, titanium, inconel,...

## Industrial applications:

- / Chemical industry
- / Petrochemical industry
- / Oil and Gas
- / Offshore
- / General industry



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