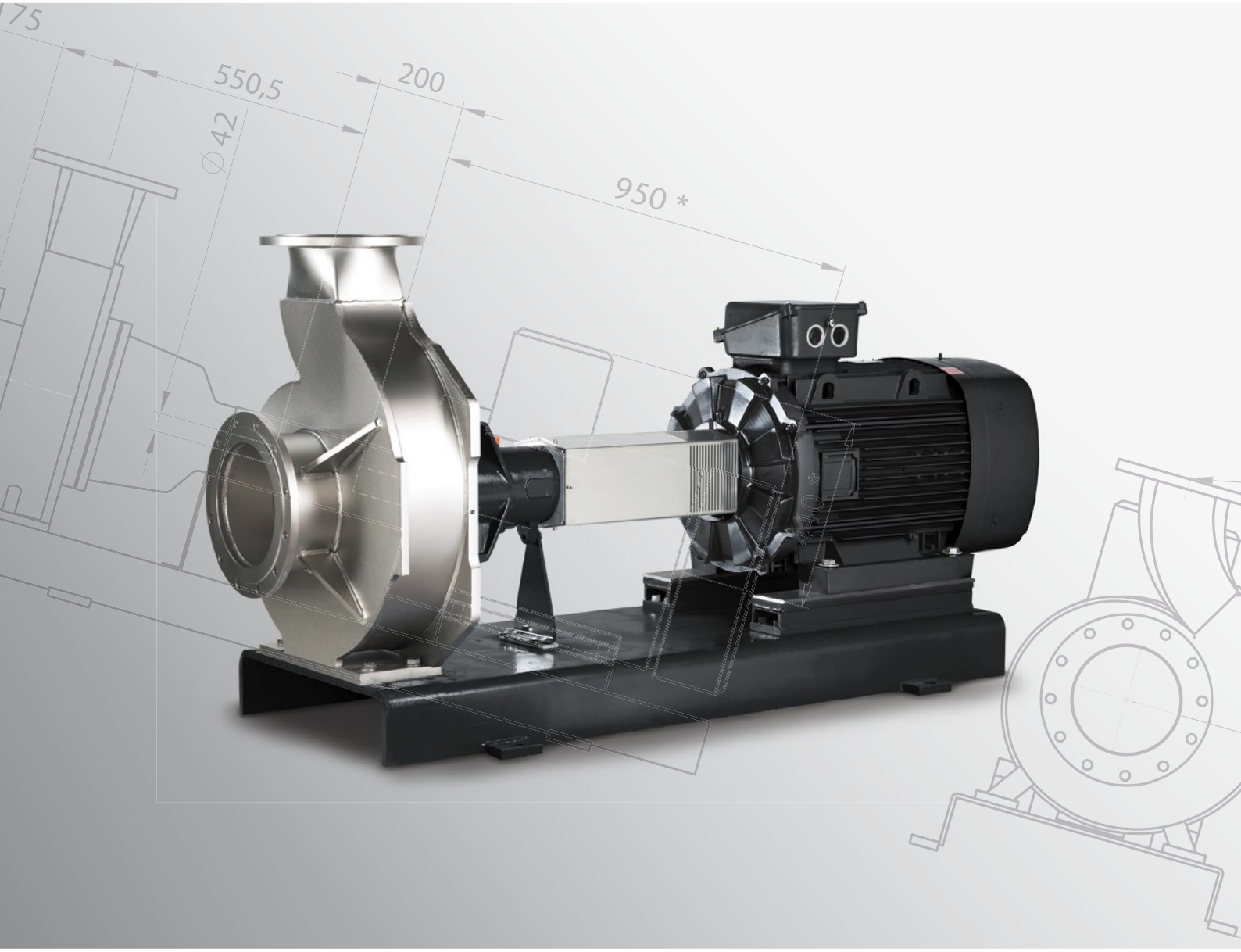


GEA Hilge MAXA

Single-Stage End-Suction Centrifugal Pumps

engineering for a better world

Heavy-Duty Pumps for Industrial Processes

The GEA Hilge MAXA range offers single-stage end-suction centrifugal pumps designed for heavy-duty operation in industrial processes. The major dimensions and characteristics of these pumps correspond to DIN EN 733 and DIN EN 22858.

High Quality Throughout

The GEA Hilge MAXA range is made from deep-drawn, rolled stainless steel in AISI 316L (1.4404). Flexible mounting options are available, such as a close-coupled pump, a close-coupled pump with bearing bracket or a base plate pump version (with motors up to 160 kW). The GEA Hilge MAXA range employs closed impellers with optimized efficiency and NPSH. Flange or thread connections according to ANSI or DIN standards are available.

For some GEA Hilge MAXA pump sizes, an inducer for NPSH improvements is available as an option, also a channel impeller for pumping media with high solids content.

A Wide Variety of Applications

The highly reliable GEA Hilge MAXA pumps are suitable for:

Food & Beverage

- Breweries – gentle pumping of mash and wort along with beer filtration
- Dairy
- Food processing
- CIP systems

Industrial Applications

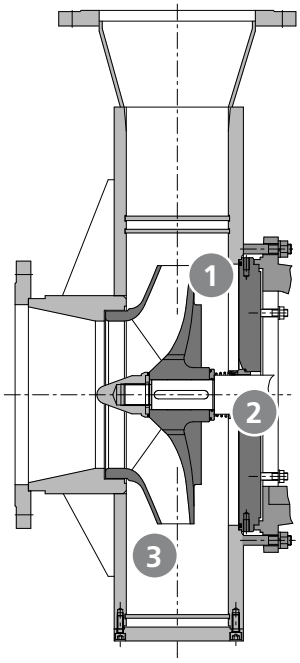
- Water treatment plants
- Chemical handling
- Liquids with high contents of solids
- Bio fuels

Features and Benefits

1 Materials
All wet end parts made of corrosion-resistant chromium nickel molybdenum alloy steel 1.4404 (316L)

2 Inboard mechanical seals
Inboard shaft seals to ensure efficient cleaning and cooling

3 Robust high-precision construction
Optimized hydraulics in housing and impeller for improved efficiency, gentle product handling and improved NPSH





Shaft Seals – Choose the One to Suit You

A wide range of shaft seal options is available to suit different media and applications. The mechanical seals used in the GEA Hilge MAXA range conform to DIN 24960. The single inboard seals maintain the optimum position in the liquid. This ensures efficient cleaning and cooling.

Certificates and Documents

- Work certificates, e.g. acc. to DIN EN 10204, 2.2 or 3.1
- FDA and EHEDG certificates
- Surface roughness measurement

etc.

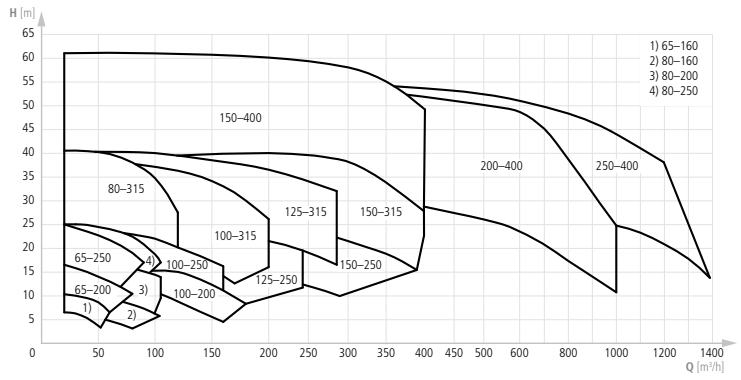
Seal Options:

- Double mechanical seals in tandem design
- Double mechanical seals in back-to-back design
- Cartridge sealing systems (upon request)

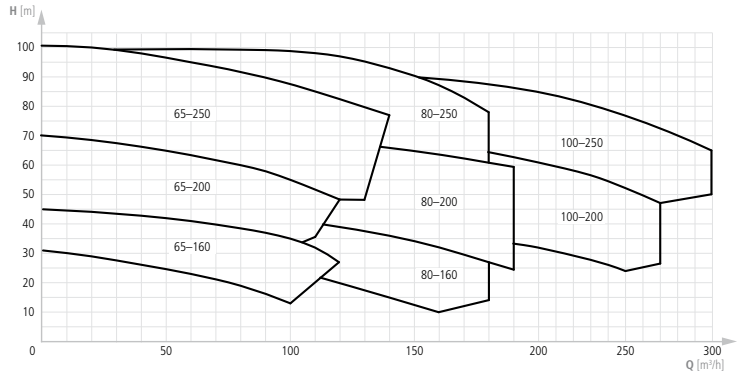
Design variants – MAXA

Standard variants	Description
GEA Hilge MAXA Bloc	Close-coupled pump, horizontal installation
GEA Hilge MAXA L	Close-coupled pump with bearing bracket, horizontal installation
GEA Hilge MAXA Adapta®	Close-coupled pump with bearing bracket and coupling, horizontal installation
GEA Hilge MAXA CN	Bearing bracket pump mounted on base plate, horizontal installation

Performance curve 50 Hz – 1,450 rpm



Performance curve 50 Hz – 2,900 rpm



Technical data

GEA Hilge MAXA	
Flow	up to 1,400 m³/h
Head	up to 100 m
Operating pressure	10 bar
Liquid temperature	95 °C (150 °C upon request)

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GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

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