

End-Suction Process Pump

Series IH

JET

End-Suction type process pumps according to ISO 24256 and ISO 2858, for heavy duty industrial applications. Available with closed, semi-open and open impeller.



Technical Data

Flow Rate	: up to 1200 m ³ /h
Total Head	: up to 130 m
Discharge	: 25 - 250 mm
Water Temperature	: max. 105 °C
(special design up to 400 °C)	
Max. Operating Pressure	: up to 16 bar

Please contact us if you have a requirement outside this range, as this range is under development.

Application

A wide range of applications in the industry, where heavy duty pumps are required, exceeding the design duty of the DIN 24255 standard waterpumps.

IH pumps are widely found in the chemical and petro-chemical, metal processing, synthetic fibres, food processing, pharmaceutical, starch and paper industry, as well as power generation plants.

Advantages

- Energy saving axial end-suction centrifugal pump
- For pumping of clean water, industrial fluids and corrosive media
- Available with closed, semi-open and open impeller
- Available with oil or grease lubrication
- According to DIN 24256 and ISO 2858 standards ensures compatibility
- Reliability
- Modular concept
- Simplified maintenance



End-Suction Process Pump

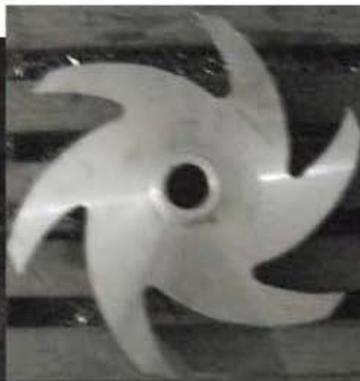
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Explode View



Closed type



open type



semi type

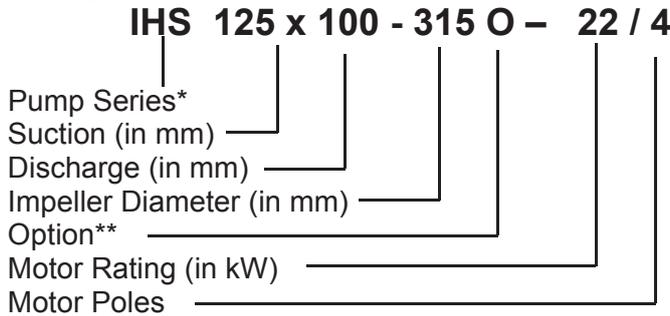


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Pump Identification



* IH = Closed, IHS = Semi-Open, O = Open Impeller

** Options:

- A,B,C= standard trimmed impeller; Z= special size
- P= soft packing; D= double-end face mechanical seal;
- (-) = mechanical seal
- O = Oil Lubrication; G = Grease Lubrication
- T = High temperature execution

Features

End-Suction Pumps type IH are heavy duty process pumps, according to the ISO 24256 and ISO 2858 standards. Its reliability makes them suitable for critical applications in the industry.

The modular design minimises the need for spare parts for customers who have several sizes installed.

The IH is available with a closed impeller, and optional with semi-open as well as open impellers. The pump with closed impeller has a high efficiency, but is only suitable for clear liquids without any particles or fibres. Semi-open and open impellers are the solution for liquids containing solid particles or fibrous materials.

The pumps is available with both normal duty grease, and a heavy duty oil lubricated bearing housing executions.

Motors are customised selected for the pump power, and are sourced from a variety of brands to the customer's preference.

Pump Description

The IH pumps can be equipped with closed, semi-open or open impellers up to the fluid characteristics.

The casing is equipped with strengthening ribs to provide safe and reliable operation and a long service life.

The shaft rotates on permanently lubricated, maintenance-free ball bearings.

A single mechanical seal is standard. Soft packing or double-end face mechanical seal are available as option.

Materials

PUMP COMPONENT	MATERIAL
Pump casing	FC20, SS 304/316 *
Wearing Ring	SS 304/316 *
Bearing Housing	FC20
Shaft	AISI 420
Shaft Sleeve	SS 304/316
Impeller	FC20, SS 304/316 *
Shaft Seal	Soft Packing/Single-end face MS/Double-end face MS
Nuts & bolts	SS 304/316
O-rings	Viton/PTFE
Bearings	Ball bearings

For details on all components, see the assembly drawing

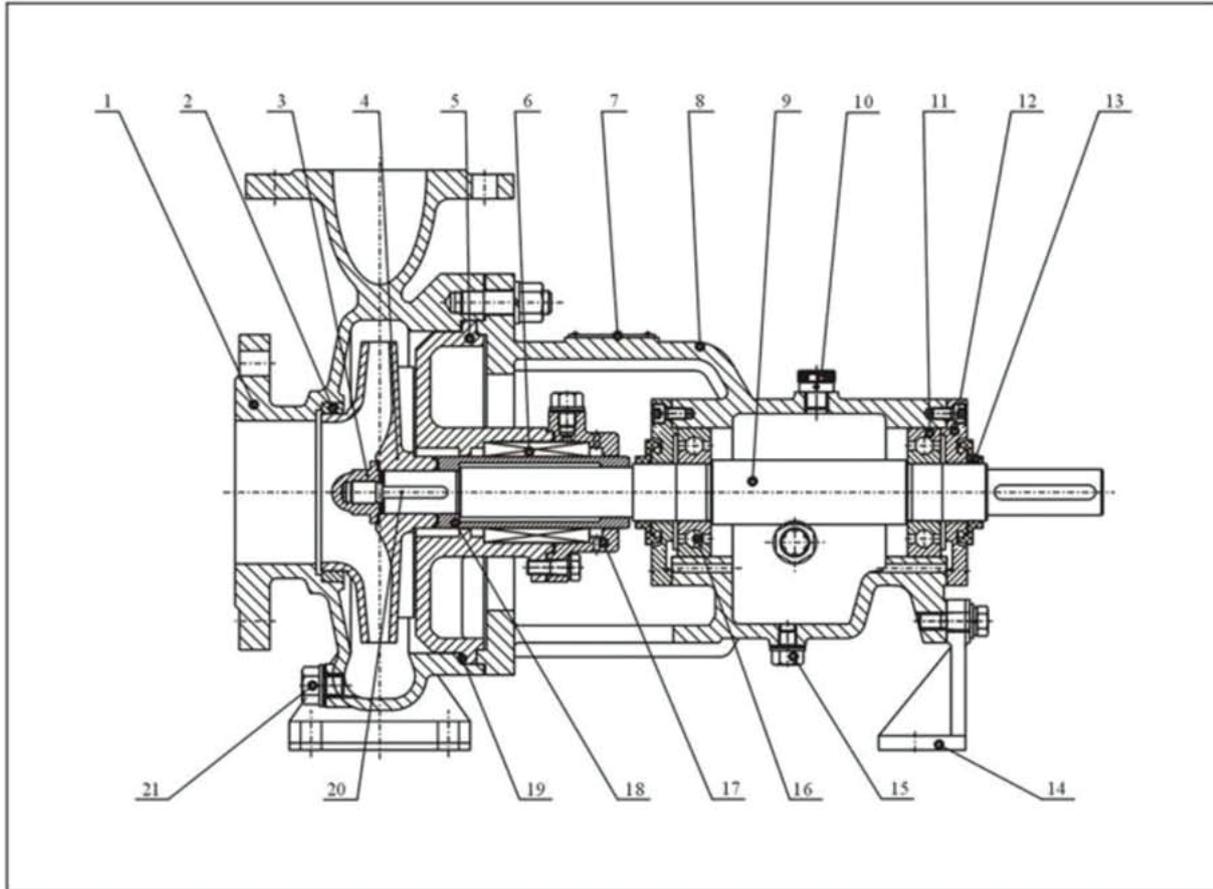
* Other materials available on request

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ALPHA GROUP



NO	Name	Material	NO	Name	Material	NO	Name	Material
1	casing	SUS304	8	Bearing house	FC20	15	oil drain plug	FC20
2	seal-ring	SUS304	9	shaft	ANSI420	16	bearing	Hard alloy
3	impeller nut	SUS304	10	air release valve	FC20	17	sealing gland	SUS304
4	impeller	SUS304	11	bearing	Hard alloy	18	shaft sleeve	SUS304
5	pump cover	SUS304	12	gland of bearing	FC20	19	sealing gasket	PTFE
6	shaft seal	M. S	13	dust cover	FC20	20	key	SS
7	nameplate	SS	14	Bracket	FC20	21	liquid discharge plug	SUS304



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