



# IHF Series

plastic-free pump (coupling type)

# IHF Series

## Product Overview



IHF single-stage single-suction oxygen plastic alloy chemical centrifugal pump (referred to as IHF centrifugal pump) it is designed and manufactured according to international standards and combined with the process of non-metallic pumps.

The pump body is made of metal the shell is lined with polyethoxyethylene propylene glycol (F46), and the pump cover, impeller and bushing are all made of metal inserts.

The outer epoxy plastic is sintered and pressed as a whole, and the shaft seal adopts the outer type of advanced bellows.

Mechanical seal, 99.9% alumina ceramics (or silicon nitride) are used for the static ring, and 99.9% alumina ceramics (or silicon nitride) are used for the dynamic ring. The tetraoxygen filling material has excellent corrosion and wear resistance and sealing properties. The import and export of the pump are cast the steel body is reinforced to enhance the pressure resistance of the pump. Actual use shows that the pump is resistant to corrosion, wear resistance, high temperature resistance, non-aging, high mechanical strength, stable operation, advanced structure and combination management, strict and reliable sealing performance, easy disassembly and maintenance, long service life and other advantages.

## Operating Condition

- Liquid temperature:  $-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$
- Flow range: see pump parameters
- Maximum head: see pump parameters
- Maximum medium density:  $135 \times 10 \text{ kg/m}^3$
- Ambient temperature: up to  $+40^{\circ}\text{C}$
- Highest altitude: 3000m
- Maximum system pressure: 10bar

\*When the specific gravity and viscosity of the liquid transported by the pump are large, The shaft power will rise, so it must be used with the shaft power.

The rate matches the motor.

## Operating Condition

The product is suitable for thin liquids that do not contain solid particles and fibers;  
Petroleum and chemical industry;  
Pharmaceutical, pesticide, pickling, dye industry; paint industry;  
Refining, papermaking, e-commerce;  
Suitable for any concentration of hydrochloric acid, nitric acid, sulfuric acid, hydrozoic acid, Acid, alkali, salt solution, strong oxidizing agent such as oxalic acid, phosphoric acid, aqua regia, etc.,

## Product Model Description

IHF50-32-125Z

Z coupling form

Nominal diameter of impeller (mm)

Export nominal longitude (mm)

Imported nominal longitude (mm)

Oxygen plastic chemical centrifugal pump

## Performance Parameters

Model	Import (mm)	Export (mm)	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate Speed (r/min)	Matched Motor (kW/ Series)
IHF25-30-125Z	25	20	1.8	5	1450	0.55/4
			3.2	20	2900	1.1/2
IHF25-20-160Z	25	20	1.8	8	1450	0.75/4
			3.2	32	2900	2.2/2
IHF32-20-200Z	32	20	1.8	12.5	1450	0.75/4
			3.2	50	2900	4/2
IHF40-25-125Z	40	25	3	5	1450	0.75/4
			6.3	20	2900	1.5/2
IHF40-25-160Z	40	25	3	8	1450	1.1/4
			6.3	32	2900	3/2
IHF40-25-200Z	40	25	3	12.5	1450	1.5/4
			6.3	50	2900	4/2
IHF40-32-250Z	40	32	3	20	1450	1.5/4
			6.3	80	2900	11/2
IHF50-32-125Z	50	32	6.3	5	1450	1.1/4
			12.5	20	2900	2.2/2
			12.5	20	2900	3/2
IHF50-32-160Z	50	32	6.3	8	1450	1.5/4
			12.5	32	2900	4/2
IHF50-32-200Z	50	32	6.3	12.5	1450	2.2/4
			12.5	50	2900	7.5/2
IHF50-32-250Z	50	32	6.3	20	1450	1.5/4
			12.5	80	2900	11/2
IHF65-50-125Z	65	50	12.5	5	1450	1.5/4
			25	20	2900	4/2
IHF65-50-160Z	65	50	12.5	8	1450	2.2/4
			25	32	2900	5.5/2
IHF65-40-200Z	65	40	12.5	12.5	1450	3/4
			25	50	2900	11/2
IHF65-40-250Z	65	40	12.5	20	1450	3/4
			25	80	2900	18.5/2



## Performance Parameters

Model	Import (mm)	Export (mm)	Capacity (m <sup>3</sup> /h)	Head (m)	Rotate Speed (r/min)	Matched Motor (kW/级数Series)
IHF80-65-125Z	80	65	25	5	1450	1.5/4
			50	20	2900	7.5/2
IHF80-65-160Z	80	65	25	8	1450	3/4
			50	32	2900	11/2
IHF80-50-200Z	80	50	25	12.5	1450	4/4
			50	50	2900	15/2
IHF80-50-250Z	80	50	25	20	1450	5.5/4
			50	80	2900	30/2
IHF100-80-125Z	100	80	50	5	1450	1.5/4
			100	20	2900	11/2
IHF100-80-160Z	100	80	50	8	1450	2.2/4
			100	32	2900	15/2
IHF100-65-200Z	100	65	50	12.5	1450	5.5/4
			100	50	2900	30/2
IHF100-65-250Z	100	65	50	20	1450	7.5/4
			100	80	2900	45/2
IHF100-65-315Z	100	65	50	32	1450	11/4
			100	125	2900	55/2
IHF125-100-160Z	125	100	75	8	1450	5.5/4
			150	32	2900	30/2
IHF125-100-200Z	125	100	100	12.5	1450	11/4
			200	50	2900	55/2
IHF125-100-250Z	125	100	100	20	1450	15/4
			200	80	2900	75/2
IHF125-100-315Z	125	100	100	32	1450	18.5/4
IHF125-100-400Z	125	100	100	50	1450	30/4
IHF150-125-250Z	150	125	200	20	1450	22/4
IHF150-125-315Z	150	125	200	32	1450	30/4
IHF150-125-400Z	150	125	200	50	1450	75/4
IHF200-150-250Z	200	150	400	20	1450	45/4
IHF200-150-315Z	200	150	400	32	1450	75/4
IHF200-150-400Z	200	150	400	50	1450	90/4



Authorized Distributor

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