

ИИ, XZA/XZE, ИИФ

Технические характеристики

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End Suction Horizontal Irrigation Centrifugal Pump

Product Description:

IH series pump is single stage single suction centrifugal pump. Its rating performance and overall dimensions are developed according ISO2858. The IH pump has advantages on compact structure, reliable performance, high efficiency and easy to use and maintain.

Product Description

characteristics

- 1: IH Series Centrifugal Pumps are with stainless steel wet parts.
- 2: Transfer the corrosive medium or the physics and chemical feature is similar to water
- 3: Temperature should be $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$.

Components and Parts:



Typical Uses:

The wearing part of IH Pump is stainless steel, the pump can be used to transfer corrosive medium, or the physical and chemical feature that is similar to water. The medium temperature should be within $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$. This product is widely apply to:

Chemical	Petroleum	Pharmaceutical
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Industry

Industry

Industry

Biological
Industry

Nuclear Power
Plant

Nonferrous Metal

Food Industry

Automotive
Industry

Municipal Water
Supply

GENERAL

IH/IS型泵是单级单吸离心泵，其标记、额定性能点及外形尺寸等效采用国际标准ISO2858所规定的性能和尺寸设计的，具有效率高，结构紧凑，性能可靠，使用维修方便等特点。

IH/IS series pump is single-stage single suction centrifugal pump, its rating performance and size are developed according to ISO2858. The pump's structure is compact, efficiency is high, easy to repair.

APPLIED RANGE

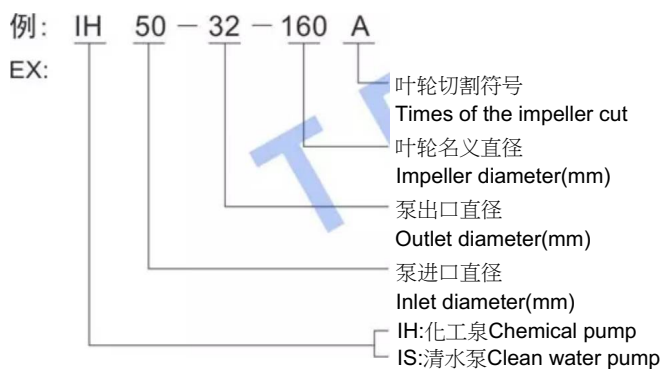
旧系列化工泵过流部件为不锈钢，适用于输送温度在-20°C~150°C之间的腐蚀性介质或物理、化学性质类似于水的介质。广泛应用于石油、化工、汽车制造、有色金属、军工科研、食品、电站、冶金、造纸、制药、合成纤维等行业，是一种用以取代FB型耐腐蚀泵的节能产品。

IS系列清水泵过流部件为铸铁，供输送温度不高于80°C的清水或物理、化学性质类似于清水的液体之用，适用于工业与城市给水、排水及农田灌溉等。

The wearing part of IH series is stainless steel, the pump can be used to transfer the corrosive medium, or the physics and chemical feature is similar to water which temperature should be -20°C~150°C. Widely apply to petroleum, chemical industry, automotive industry, Nonferrous metal, food, power station, metallurgy, paper manufacturing industry, pharmaceuticals industry, synthetic fiber industry, etc.

The wearing part of IS series pump is cast iron, the work temperature should be below 80°C. chemical feature is similar to water, it can be used in industry, municipal water supply, irrigation.

MEANING OF THE MODEL

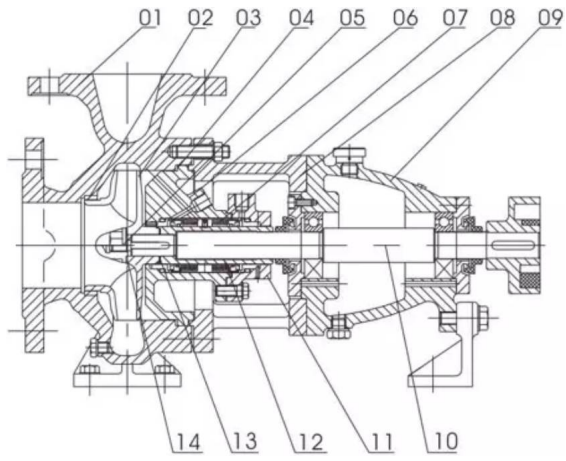


OPERATION PARAMETER

口径: DN50 ~ DN200mm
 流量: 3.4 ~ 460m³/h
 扬程: 3.7 ~ 132m
 转速: 2900r/min; 1450r/min
 工作温度: ≥ 15(TCGH); ≥ 80C(IS)
 粘度: ^150mm²/s
 压力: <1.6Mpa
 电机功率: 0.55 ~ 110kW

Caliber: DN50 ~ DN200mm
 Capacity :3.4 ~ 460m³/h
 Head: 3.7 ~ 132m
 Rotate speed: 2900r/min; 1450r/min
 Work temperature: ≥ 15CTC(IH); ≥ 80 C(IS)
 Viscosity: ^150mm²/s
 Pressure: ^1.6Mpa
 Motor power: 0.55 ~ 110kW

SKETCH MAP OF STRUCTURE



- 01 泵体 Casing
- 02 口环 Mouth ring
- 03叶轮 Impeller
- 04密封圈 Seal ring
- 05叶轮螺母 Impeller nut
- 06泵盖 Pump cover
- 07机械密封盖 Mechanical seal
- 08联接架 Connect frame
- 09悬架体 Bracket
- 10泵轴 Shaft
- 11 机械密封端盖 Mechanical seal cover
- 12轴套 Shaft sleeve
- 13密封圈 Seal ring
- 14密封圈 Seal ring

PERFORMANCE PARAMETER

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重量 Weight
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	48
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	58
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	
50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	
50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	
		11	3.06	62	30	6.19		2	
		13.2	3.67	60.9	33	6.64		2.5	
65-50-125	2900	15	4.17	21.3	47	1.85	3	2	46
		25	6.94	20	62	2.2		2	
		30	8.33	18.6	63	2.41		2.5	



0H2 Single Stage End Suction Process Pumps

The XZA/XZE are designed to API610 for heavy duty process flows and heads. It utilizes a conventional enclosed, high efficiency impeller. Large sizes of pumps are available with an inducer for lower NPSH3

Product Description

XZA/XZE pumps are widely used in refinery, petrochemical industry, chemical fiber and power house. The pump can be dismantled but no need to disassemble the inlet and outlet flange and motor. It is very convenient.

GENERAL

XZAVXZE型石油、化工流程泵是我公司依据API610、API685等标准规范设计的具有国内领先水平的新型泵系列。该泵为单级单吸、卧式、闭式叶轮、轴向吸入、径向排出，采用前、后磨损口环及平衡孔进行水力平衡，出口DN80mm及以上规格的泵体采用双蜗壳，以平衡水力径向力。轴封采用集装式机械密封，并配有冷却冲洗或密封液系统。轴承架为一个整体，用油浴润滑，由恒位油杯自动调整油位，保证充分润滑。采用带中间段的加长的膜片联轴器，后开门结构，可在不拆卸进出口法兰和电机的情况下向后拉出，方便维修。产品采取整体规划的设计，通用化、系列化程度高，零件互换性好。

XZAXZE series petrochemical process pumps are designed according to API610 and API685. This pump is single-stage single suction, close impeller, axial suction, radial discharge. According to the work condition adopt front and back mouth ring and balance hole to do the hydraulic balance. If the DN = 80mm or more than 80 mm, the pump is to balance. Gland seal is adopt the Mechanical seal and cooling washer or sealing liquid system, bearing suspension fork is a whole, bearing is adopt the oil bath lubrication, the grease cup can adjust the oil level automatically to ensure the lubrication enough. The pump can be disassembled but no need to disassemble the inlet and out flange and motor. It is very easy to repair.

APPLIED RANGE

适用于炼油厂、石油、化工、低温工程、化纤，电厂，环境保护工程等。用来输送各种液态石油化工产品，有机化合物、各种温度和浓度的酸、碱、盐溶液，具有腐蚀性或无腐蚀性的原料和产品等。

For refinery, petrochemical industry, cryogenic engineering, chemical fiber, normal industrial process, power house, environmental protection, etc. For pumping various liquid state petrochemical industry products, organic compound, various acid, alkali, salt solution under different temperature and concentration, and corrosive raw material or products.

OPERATION PARAMETER

口径: DN25 ~ DN400mm

流量: 4 ~ 2390 m³/h

扬程: ≤ 205m

转速: 2900 r/min; 1450 r/min

工作温度: ≥ 175°C (XZA); < 350°C (XZE)

粘度: ≤ 150 mm²/s

压力: ≥ 2.5 Mpa (XZA); ≤ 5.0 Mpa (XZE)

电机功率: 1.1 ~ 315 kW

Caliber: DN25 ~ DN400mm

Capacity: 4 ~ 2390 m³/h

Head: ≤ 205m

Rotate speed: 2900 r/min; 1450 r/min

Work temperature: ≥ 175°C (XZA); < 350°C (XZE)

Viscosity: ≤ 150 mm²/s

Pressure: ≥ 2.5 Mpa (XZA); ≤ 5.0 Mpa (XZE)

Motor power: 1.1 ~ 315 kW

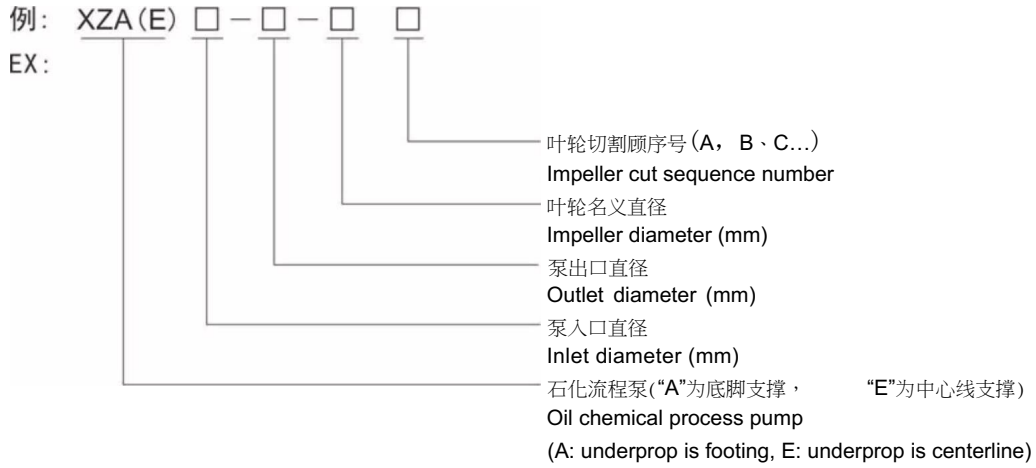


XZE型 XZE TYPE



XZA型 XZA TYPE

MEANING OF THE MODEL

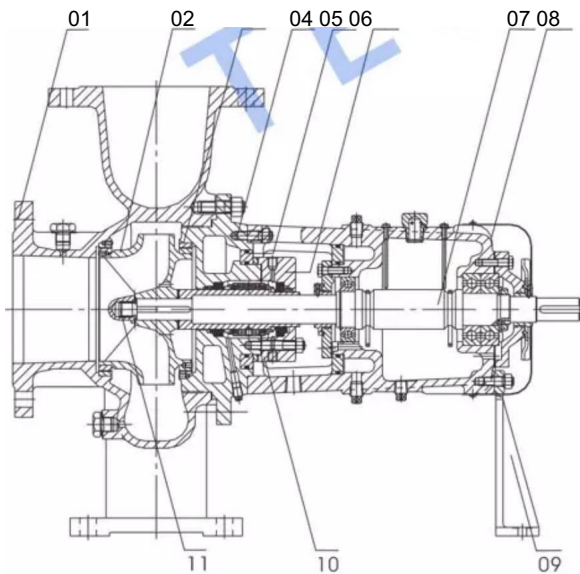


MATERIAL SELECTION

根据输送介质、使用工况及用户要求可选用：CS、1Cr13、0Cr18Ni9(304)、0Cr18Ni12Mo2Ti(316)、钛合金等材质。

There are CS, 1Cr13, 0Cr18Ni9(304), 0Cr18Ni12Mo2Ti(316), Ti alloy can be choosed according different medium and work condition.

SKETCH MAP OF STRUCTURE



- 01 泵体 Casing
- 02 叶轮 Impeller
- 03 密封圈 Seal ring
- 04 泵盖 Pump cover
- 05 水冷腔盖 Water cooling cover
- 06 机械密封压盖 Mechanical gland bush
- 07 泵轴 Shaft
- 08 轴承 Bearing
- 09 悬架支架 Bracket
- 10 压板 Clap board
- 11 叶轮螺母 Impeller nut

PERFORMANCE PARAMETER

型号 Model	叶轮 型式 Inlet Type	額定转速 Rating rotate speed n=2900r/min							額定转速 Rating rotate speed n=1450r/min								
		流量	扬程	比重 S.G.r=1	比重 S.G.r=1.35	比重 S.G.r=1.84	流量	扬程	比重 S.G.r=1	比重 S.G.r=1.35	比重 S.G.r=1.84						
		Capacity	Head	配套电机功率及型号 Motor power and model							Capacity	Head	配套电机功率及型号 Motor power and model				
		m³/h	m	kW	型号 Model	kW	型号 Model	kW	型号 Model	m³/h	m	kW	型号 Model	kW	型号 Model	kW	型号 Model
40-25-200	A	11.5	49	5.5	132S1-2	7.5	132S2-2	11	160M1-2	5.8	12	1.1	90S-4	1.1	90S-4	1.5	90L-4
	B	10.5	42	4	112M-2	5.5	132S1-2	7.5	132S2-2	5.4	11	1.1	90S-4	1.1	90S-4	1.1	90S-4
	C	9	36	3	100L-2	4	112M-2	5.5	132S1-2	4.6	8.5	1.1	90S-4	1.1	90S-4	1.1	90S-4
	D	7.5	28	2.2	90L-2	3	100L-2	4	112M-2	4	6.5	1.1	90S-4	1.1	90S-4	1.1	90S-4
50-25-250	A	11.5	80	11	160M1-2	15	160M2-2	18.5	160L-2	8	17	2.2	100L1-4	3	100L2-4	4	112M-4
	B	9.5	67	7.5	132S2-2	11	160M1-2	15	160M2-2	7	16.5	2.2	100L1-4	3	100L2-4	4	112M-4
	C	8.8	50	5.5	132S1-2	11	160M1-2	15	160M2-2	6.5	12	2.2	100L1-4	2.2	100L1-4	3	100L2-4
	D	8.5	30	4	112M-2	5.5	132S1-2	7.5	132S2-2	6	6.5	1.1	90S-4	1.5	90L-4	2.2	100L1-4
50-25-315	A	21	128	30	200L1-2	45	225M-2	55	250M-2	9.6	32	5.5	132S-4	7.5	132M-4	11	160M-4
	B	18	115	30	200L1-2	37	200L2-2	45	225M-2	8.5	30	4	112M-4	5.5	132S-4	7.5	132M-4
	C	16	100	22	180M-2	30	200L1-2	45	225M-2	7.5	25	3	100L2-4	4	112M-4	5.5	132S-4
	D	14	90	18.5	160L-2	30	200L1-2	37	200L2-2	7	22	3	100L2-4	4	112M-4	5.5	132S-4
80-40-160	A	28	33	5.5	132S1-2	7.5	132S2-2	11	160M1-2	14	8	1.1	90S-4	J.1	90S-4	1.5	90L-4
	B	25.6	29	5.5	132S1-2	7.5	132S2-2	11	160M1-2	13	7	1.1	90S-4	1.1	90S-4	1.5	90L-4
	C	22	22	4	112M-2	5.5	132S1-2	5.5	132S1-2	11	5.5	1.1	90S-4	1.1	90S-4	1.1	90S-4
	D	20	16	2.2	90L-2	3	100L-2	4	112M-2	9.5	4.5	1.1	90S-4	1.1	90S-4	1.1	90S-4
80-40-200	A	29	53	11	160M1-2	15	160M2-2	18.5	160L-2	14.5	13	1.5	90L-4	2.2	100L1-4	3	100L2-4
	B	26	47	7.5	132S2-2	11	160M1-2	15	160M2-2	13	11.5	1.1	90S-4	1.5	90L-4	2.2	100L1-4
	C	22	39	5.5	132S1-2	7.5	132S2-2	J.1	160M1-2	11.5	9	1.1	90S-4	1.1	90S-4	1.5	90L-4
	D	18	20	4	112M-2	5.5	132S1-2	7.5	132S2-2	9.5	7	1.1	90S-4	1.1	90S-4	1.1	90S-4
80-40-250	A	32	78	18.5	160L-2	22	180M-2	30	200L1-2	16	19.5	3	100L2-4	4	112M-4	5.5	132S-4
	B	30	72	15	160M2-2	18.5	160L-2	30	200L1-2	15	18	2.2	100L1-4	3	100L2-4	4	112M-4
	C	24	60	11	160M1-2	15	160M2-2	18.5	160L-2	12.5	14	1.5	90L-4	2.2	100L1-4	3	100L2-4
	D	21	47	7.5	132S2-2	11	160M1-2	15	160M2-2	10.5	11	1.1	90S-4	1.5	90L-4	2.2	100L1-4
80-40-315	A	42	115	37	200L2-2	45	225M-2	75	280S-2	21	29	5.5	132S-4	7.5	132M-4	11	160M-4
	B	40	107	30	200L1-2	45	225M-2	55	250M-2	20	26.5	5.5	132S-4	7.5	132M-4	11	160M-4
	C	34	81	22	180M-2	30	200L1-2	45	225M-2	17.5	20	4	112M-4	5.5	132S-4	7.5	132M-4
	D	29	61	15	160M2-2	22	180M-2	30	200L1-2	15	15	3	100L2-4	3	100L2-4	5.5	132S-4
80-40-400	A	42.5	156	55	250M-2	75	280S-2	90	280M-2	21	39	7.5	132M-4	11	160M-4	15	160L-4
	B	42	126	45	225M-2	55	250M-2	75	280S-2	20	32	7.5	132M-4	7.5	132M-4	11	160M-4
	C	40	110	37	200L2-2	55	250M-2	75	280S-2	19	38	5.5	132S-4	7.5	132M-4	11	160M-4
	D	37.5	82	30	200L1-2	37	200L2-2	55	250M-2	18	20.5	4	112M-4	5.5	132S-4	7.5	132M-4
80-50-160	A	50	34	11	160M1-2	15	160M2-2	15	160M2-2	25	8.4	1.5	90L-4	2.2	100L1-4	2.2	100L1-4
	B	45	29	7.5	132S2-2	11	160M1-2	15	160M2-2	22.5	7	1.5	90L-4	1.5	90L-4	2.2	100L1-4
	C	38	22	5.5	132S1-2	7.5	132S2-2	11	160M1-2	19	5.5	1.1	90S-4	1.1	90S-4	1.5	90L-4
	D	31	17	3	100L-2	4	112M-2	5.5	132S1-2	16.5	4	1.1	90S-4	1.1	90S-4	1.1	90S-4
80-50-200	A	62	52	18.5	160L-2	22	180M-2	30	200L1-2	31	13	3	100L2-4	3	100L2-4	4	112M-4
	B	56	46	15	160M2-2	18.5	160L-2	22	180M-2	28.5	11.5	2.2	100L1-4	3	100L2-4	4	112M-4
	C	49	37	11	160M1-2	15	160M2-2	18.5	160L-2	25	9	1.5	90L-4	2.2	100L1-4	3	100L2-4
	D	43	28	7.5	132S2-2	11	160M1-2	15	160M2-2	22	7	1.1	90S-4	1.5	90L-4	2.2	100L1-4



IH Single Stage & Single Suction Centrifugal Chemical Pump

IH Series Pump are our mechanical seal chemical pumps which are widely used for transferring all kinds of chemical liquids. The liquid could also contain some particles. Pumps are equipped with single face seal type or double seal types for option.

Product Description

IH series pump is single stage single suction centrifugal pump. Its rating performance and overall dimensions are developed according ISO2858. The IH pump has advantages on compact structure, reliable performance, high efficiency and easy to use and maintain.

1 : The wearing part of IH Series is stainless steel, the pump can used to transfer the corrosive medium, or the physics and chemical feature is similar to water which temperature should be -20 °C-150 °C

2 : Widely application:

Chemical Industry	Irrigation	Pharmaceutical Industry
Biological Industry	Municipal Water Supply	Nonferrous Metal
Food Industry	Automotive Industry	Municipal Water Supply

PERFORMANCE PARAMETER

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重量 Weight
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	48
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	58
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	
50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	
50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	
		11	3.06	62	30	6.19		2	
		13.2	3.67	60.9	33	6.64		2.5	
65-50-125	2900	15	4.17	21.3	47	1.85	3	2	46
		25	6.94	20	62	2.2		2	
		30	8.33	18.6	63	2.41		2.5	

(续)

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重通 Weight (kg)
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
65-50-125	1450	7.5	2.08	5.4	44	0.25	0.55	2	46
		12.5	3.47	5	55	0.31		2	
		15	4.17	4.5	56	0.33		2.5	
65-50-125A	2900	13.6	3.78	17.6	44	1.48	2.2	2	
		22.7	6.31	16.5	61	1.67		2	
		27.3	7.58	15.4	59.9	1.91		2.5	
	1450	6.8	1.89	4.5	41	0.20	0.55	2	
		11.3	3.14	4.1	54	0.23		2	
		13.6	3.78	3.7	53	0.26		2.5	
65-50-160	2900	15	4.17	34.2	44	3.18	5.5	2	
		25	6.94	32	57	3.82		2	
		30	8.33	30	59	4.15		2.5	
	1450	7.5	2.08	8.55	39	0.45	0.75	2	
		12.5	3.47	8	51	0.53		2	
		15	4.17	7.5	52.5	0.58		2.5	
65-50-160A	2900	13.6	3.78	28.4	41	2.56	4	2	
		22.7	6.31	26.5	56	2.93		2	
		27.3	7.58	24.8	56	3.29		2.5	
	1450	6.8	1.89	7.09	35.5	0.37	0.55	2	
		11.3	3.14	6.6	49.6	0.41		2	
		13.6	3.78	6.2	49.9	0.46		2.5	
65-40-200	2900	15	4.17	53.2	41	5.3	11	2	
		25	6.94	50	52	6.55		2	
		30	8.33	47.6	53.5	7.27		2.5	
	1450	7.5	2.08	13.3	35	0.78	1.5	2	
		12.5	3.47	12.5	46	0.93		2	
		15	4.17	11.9	47.5	1.02		2.5	
65-40-200A	2900	13.6	3.78	43.9	38	4.28	7.5	2	
		22.7	6.31	41	50	5.07		2	
		27.3	7.58	39.3	51	5.73		2.5	
	1450	6.8	1.89	11	31.8	0.64	1.1	2	
		11.3	3.14	10.3	44	0.72		2	
		13.6	3.78	9.8	44.8	0.81		2.5	
65-40-250	2900	15	4.17	81.2	34	9.76	15	2	
		25	6.94	80	46	11.84		2	
		30	8.33	78.4	50	12.8		2.5	
	1450	7.5	2.08	20.3	28	1.48	3	2	
		12.5	3.47	20	39	1.75		2	
		15	4.17	19.6	43	1.86		2.5	
65-40-250A	2900	14	3.89	71	31	8.73	15	2	
		23.4	6.5	74.8	45	10.6		2	
		28	7.78	68.6	47	11.13		2.5	
	1450	7	1.94	17.8	25	1.35	2.2	2	
		11.7	3.25	17.5	37.5	1.47		2	
		14	3.89	17.2	40	1.64		2.5	
65-40-250B	2900	13.2	3.67	62.8	31	7.29	11	2	
		22	6.11	61.8	44	8.42		2	
		26.4	7.33	53	45	8.45		2.5	
65-40-315	2900	15	4.17	126.8	28	18.51	30	2	
		25	6.94	125	39	21.8		2	
		30	8.33	124	42.5	23.85		2.5	
	1450	7.5	2.08	32.4	22	3.03	5.5	2	
		12.5	3.47	32	33	3.3		2	
		15	4.17	31.7	37	3.5		2.5	

(续)

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重置 Weight (kg)
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
65-40-315A	2900	14	3.89	111.2	25	16.97	30	2	115
		23.4	6.5	109.5	38	18.36		2	
		28	7.78	108.8	40	20.75		2.5	
	1450	1	1.94	28.4	22	2.46	4	2	
		11.7	3.25	28	33	2.71		2	
		14	3.89	27.8	37	2.87		2.5	
65-40-315B	2900	13.2	3.67	98	24	14.69	22	2	
		22	6.11	96.5	37	15.63		2	
		26.4	7.33	95.9	39	17.67		2.5	
80-65-125	2900	30	8.33	23.2	60	3.16	5.5	3	51
		50	13.89	20	69	3.95		3	
		60	16.67	17.6	67	4.29		4	
	1450	15	4.17	5.8	54	0.44	0.75	2.5	
		25	6.94	5	64	0.53		2.5	
		30	8.33	4.4	62	0.58		3	
80-65-125A	2900	27.2	7.56	19.1	57	2.48	4	3	51
		45.3	12.58	16.5	67	3.04		3	
		54.4	15.11	14.5	64	3.36		4	
	1450	13.6	3.78	4.8	51	0.35	0.55	2.5	
		22.6	6.28	4.1	62	0.41		2.5	
		27.2	7.56	3.6	59	0.45		3	
80-65-160	2900	30	8.33	36	57	5.16	11	2	56
		50	13.89	32	67	6.51		2.3	
		60	16.67	28.4	65	7.14		3.3	
	1450	15	4.17	9	50	0.74	1.5	2	
		25	6.94	8	62	0.88		2.3	
		30	8.33	7.2	62	0.95		3.3	
80-65-160A	2900	27.2	7.56	29.7	54	4.08	7.5	2	56
		45.4	12.61	26.4	65	5.02		2.3	
		54.4	15.11	23.4	62	5.59		3.3	
	1450	13.6	3.78	7.4	47.3	0.58	1.1	2	
		22.7	6.31	6.6	60	0.68		2.3	
		27.2	7.56	5.9	59	0.74		3.3	
80-50-200	2900	30	8.33	55.2	53	8.51	15	2	64
		50	13.89	50	63	10.81		2.5	
		60	16.67	45.2	62	11.92		3.2	
	1450	15	4.17	13.5	44	1.25	2.2	2	
		25	6.94	12.5	57	1.49		2	
		30	8.33	11.5	58	1.62		2.5	
80-50-200A	2900	27.2	7.56	45.4	50	6.73	11	2	64
		45.3	12.58	41	61	8.29		2.5	
		54.4	15.11	37.2	59	9.35		3.2	
	1450	13.6	3.78	11.1	41	1	2.2	2	
		22.7	6.31	10.3	56.1	1.14		2	
		27.2	7.56	9.5	55	1.28		2.5	
80-50-250	2900	30	8.33	84	43	16	30	2	102
		50	13.89	80	53	20.57		2.5	
		60	16.67	75	54	22.71		3.2	
	1450	15	4.17	21	40	2.15	5.5	2	
		25	6.94	20	50	2.72		2	
		30	8.33	18.8	51	3.01		2.5	
80-50-250A	2900	27.2	7.56	69	42	12.18	22	2	102
		45.3	12.58	65.7	52	15.61		2.5	
		54.4	15.11	61.6	52	17.57		3.2	
	1450	13.6	3.78	17.3	40	1.6	3	2	
		22.7	6.31	16.4	49	2.07		2	
		27.2	7.56	15.4	50	2.28		2.5	

(续)

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重量 Weight (kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
80-50-315	2900	30	8.33	128	38	27.54	45	2.5	110
		50	13.89	125	50	34.1		2.5	
		60	16.67	123	53	37.94		3	
	1450	15	4.17	32.5	37	3.59	7.5	2.5	
		25	6.94	32	48	4.54		2.5	
		30	8.33	31.5	52	4.94		3	
80-50-315A	2900	27.2	7.56	105	37	21	37	2.5	110
		45.3	12.58	102.6	48	26.4		2.5	
		54.4	15.11	101	50	29.94		3	
	1450	13.6	3.78	26.3	36	2.71	5.5	2.5	
		22.7	6.31	25.7	46	3.46		2.5	
		27.2	7.56	25.2	50	3.74		3	
100-80-125	2900	60	16.67	23.7	65	5.96	11	3	56
		100	27.78	20	73	7.47		4.2	
		120	33.33	16.3	69	7.72		4.8	
	1450	30	8.33	5.7	58	0.8	1.5	3	
		50	13.89	5	69	0.99		3.4	
		60	16.67	4.1	68	0.99		3.7	
100-80-125A	2900	55	15.28	19.4	62	4.68	7.5 k	3	56
		91.8	25.5	16.8	71	5.92		4.2	
		109	30.28	13.7	67	6.07		4.8	
	1450	27.5	7.64	5	56	0.67	1.1	3	
		45.9	12.75	4.2	67	0.78		3.4	
		54.5	15.13	3.4	65	0.78		3.7	
100-80-160	2900	60	16.67	37	60	10.1	15	3.8	86
		100	27.78	32	73	11.9		4.3	
		120	33.33	28	73	12.54		5	
	1450	30	8.33	9.25	58	1.3	2.2	3	
		50	13.89	8	69	1.58		3.4	
		60	16.67	7	68	1.68		3.7	
100-80-160A	2900	54.6	15.17	30.6	57	7.98	15	3.8	86
		91	25.28	26.5	71	9.25		4.3	
		109.2	30.33	23.2	70.4	9.85		5	
	1450	27.3	7.58	7.66	55.3	1.03	1.5	3	
		45.5	12.64	6.6	67	1.22		3.4	
		54.6	15.17	5.8	65.3	1.32		3.7	
100-65-200	2900	60	16.67	56	63	14.53	22	3.4	95
		100	27.78	50	72	18.92		3.9	
		120	33.33	44	71	20.26		5.2	
	1450	30	8.33	14	60	1.91	4	2.5	
		50	13.89	12.5	68	2.5		2.5	
		60	16.67	11	63	2.85		3	
100-65-200A	2900	54.6	15.17	46.5	60.1	11.51	18.5	3.4	95
		91	25.28	41.5	70	14.7		3.9	
		109.2	30.33	36.6	68	16		5.2	
	1450	27.3	7.58	11.6	57	1.51	3	2.5	
		45.5	12.64	10.3	66	1.93		2.5	
		54.6	15.17	9.1	60.1	2.25		3	
100-65-250	2900	60	16.67	88	57	25.24	37	3	114
		100	27.78	80	68	32.06		3.6	
		120	33.33	74	67	36.12		4.5	
	1450	30	8.33	22	50	3.63	5.5	2.5	
		50	13.89	20	63	4.33		2.5	
		60	16.67	18.5	64	4.73		3	

(续)

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重量 Weight (kg)
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
100-65-250A	2900	56.1	15.58	77	54	21.8	37	3	114
		93.5	25.97	70	65	27.44		3.6	
		112.2	31.17	64.7	64	30.91		4.5	
	1450	28	7.79	19.2	47	3.12	5.5	2.5	
		45.5	12.64	17.4	61	3.53		2.5	
		56	15.56	16.2	60.9	4.06		3	
100-65-250B	2900	52.7	14.64	67.9	53.3	18.29	30	3	
		87.8	24.39	61.7	64	23.1		3.6	
		105.4	29.28	57	62.9	26.03		4.5	
100-65-315	2900	60	16.67	132	48	44.96	75	2.8	165
		100	27.78	125	62	54.94		3.2	
		120	33.33	119	64	60.8		4.2	
	1450	30	8.33	33.5	44	6.22	11	2	
		50	13.89	32	58	7.52		2	
		60	16.67	30.5	60	8.31		2.5	
100-65-315A	2900	56.1	15.58	115.5	45	39.2	75	2.8	
		93.5	25.97	109	61	45.53		3.2	
		112.2	31.17	104	61	52.13		4.2	
	1450	28	7.789	29.3	41	5.46	11	2	
		46.5	12.92	28	56	6.33		2	
		56	15.56	26.7	57	7.15		2.5	
100-65-315B	2900	52.7	14.64	102	44	33.29	55	2.8	
		88	24.44	97	60	38.77		3.2	
		105.4	29.28	92	60	44.04		4.2	
125-100-200	2900	120	33.33	61	68	29.33	45	4.5	98
		200	55.56	50	77	35.39		5	
		240	66.67	41	70	38.3		5.8	
	1450	60	16.67	15.25	64	3.89	7.5	2.5	
		100	27.78	12.5	73	4.66		2.9	
		120	33.33	10.25	66	5.08		3.6	
125-100-200A	2900	109.1	30.31	50.5	64.9	23.13	37	4.5	
		182	50.56	41.4	75	27.38		5	
		218.2	60.61	34	67.1	30.13		5.8	
	1450	54.7	15.19	12.6	61	3.08	5.5	2.5	
		91	25.28	10.3	71	3.6		2.9	
		109.4	30.39	8.5	63	4.02		3.6	
125-100-250	2900	120	33.33	90	62	47.48	75	3.7	150
		200	55.56	80	75	58.13		4.5	
		240	66.67	73	74	64.52		5.5	
	1450	60	16.67	22.5	59	6.23	11	2	
		100	27.78	20	72	7.56		2.3	
		120	33.33	18.25	71	8.4		3	
125-100-250A	2900	112	31.11	78	59	40.35	75	3.7	
		186.5	51.81	69.5	73	48.35		4.5	
		224	62.22	63.5	71	54.59		5.5	
	1450	56	15.56	19.5	56	5.31	11	2	
		93	25.83	17.4	70	6.29		2.3	
		112	31.11	15.9	68	7.13		3	
125-100-250B	2900	105.5	29.31	69	58	34.2	55	3.7	
		175.5	48.75	61.5	71	41.42		4.5	
		211	58.61	56	69.9	46.06		5.5	
125-100-315	2900	120	33.3	132.5	52.6	82.37	110	4	165
		200	55.6	125	72	94.62		4.5	
		240	66.7	120	75	104.64		5	

(续)

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		必需汽蚀余量 NPSHr (m)	重量 Weight (kg)
		(m ³ /h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
125-100-315	1450	60	16.7	33.5	53	10.33	22	2.5	165
		100	27.8	32	65	13.42		2.5	
		120	33.3	30.5	66	15.11		3	
125-100-315A	2900	112	31.1	115.2	52	67.63	90	4	
		186.5	51.81	108.7	71	77.81		4.5	
		224	62.22	104.3	72	88.42		5	
	1450	56	15.56	28.8	52	8.45	15	2.5	
		93	25.83	27.2	64	10.77		2.5	
		112	31.11	26.1	65	12.25		3	
125-100-400	1450	60	16.67	52	48	17.71	30	2.5	210
		100	27.78	50	55	24.77		2.5	
		120	33.33	48.5	62	25.58		3	
125-100-400A	1450	56	15.56	45	43	15.97	22	2.5	
		93	25.83	43.2	54	20.27		2.5	
		112	31.11	41.9	60	21.31		3	
150-125-250	1450	120	33.33	24.8	66	12.29	18.5	2.5	164
		200	55.56	20	77	14.16		2.8	
		240	66.67	15	68	14.43		3.5	
150-125-250A	1450	109.1	30.28	20.5	62.5	9.75	15	2.5	
		182	50.56	16.5	75	10.91		2.8	
		218.2	60.61	12.4	65.2	11.31		3.5	
150-125-315	1450	120	33.33	36.3	63	18.84	30	2.5	195
		200	55.56	32	75	23.25		2.8	
		240	66.67	28.5	72	25.89		3.8	
150-125-315A	1450	109.1	30.28	30	60	14.85	22	2.5	
		182	50.56	25.5	73	17.32		2.8	
		218.2	60.61	23.5	69	20.23		3.8	
150-125-315B	1450	99	27.5	24.7	59	11.29	18.5	2.5	
		165	45.83	22	72	13.74		2.8	
		198	55	19.4	69	15.17		3.8	
150-125-400	1450	120	33.33	57.5	61	30.82	55	2	237
		200	55.56	50	70	38.93		2.5	
		240	66.67	44	63	45.68		3	
150-125-400A	1450	109.1	30.28	47.5	58	21.35	37	2	
		182	50.56	41	68	29.94		2.5	
		218.2	60.61	36.5	60	36.17		3	
150-125-400B	1450	99	27.5	39.1	57	18.51	30	2	
		165	45.83	34	67	22.82		2.5	
		198	55	29.9	58	27.81		3	
200-150-250	1450	240	66.67	23	70	21.49	37	2.5	194
		400	111.11	20	79	27.59		2.8	
		460	127.78	18	80	28.2		3	
200-150-250A	1450	218.2	60.61	18.9	67	16.77	30	2.5	
		363	100.83	16.5	79	20.66		2.8	
		418	116.1	14.8	78	21.61		3	
200-150-315	1450	240	66.67	35.6	67	34.75	55	3	268
		400	111.11	32	79	44.15		3.5	
		460	127.78	29.4	77	47.86		4	
200-150-315A	1450	218.2	60.61	29.4	64	27.31	45	3	
		363	100.84	25.5	77	32.76		3.5	
		418	116.11	24.3	74	37.4		4	
200-150-315B	1450	197.7	54.92	24.1	63	20.61	37	3	
		329	91.39	21.6	76	25.48		3.5	
		378.8	105.22	19.7	73	27.86		4	
200-150-400	1450	240	66.67	55.8	67	54.47	90	3	289
		400	111.11	50	78	69.87		3.5	
		460	127.78	47	75	78.55		4	



IHF Fluoroplastic Chemical Centrifugal Acid Pumps

Our fluoroplastic lined pumps are specially designed for acid media with particles inside. And this series are a complement for our magnetic drive centrifugal acid pumps.

Product Description

IHF series pumps are fluoroplastic lined single stage suction chemical pumps. Its rating performance and overall dimensions are developed according ISO2858. The IHF pump has advantages on compact structure, reliable performance, high efficiency and easy to use and maintain.

They are applicable for petroleum₂chemical industry,pharmacy,electric force,papar-making,pesticide

Character:

1 : The wearing part of IH Series is stainless steel, the pump can used to transfer the corrosive medium, or the physics and chemical feature is similar to water which temperature should be -20 °C-150 °C

2 : Widely application:

Chemical Industry	Irrigation	Pharmaceutical Industry
Biological Industry	Municipal Water Supply	Nonferrous Metal
Food Industry	Automotive Industry	Municipal Water Supply

概述

GENERAL

IHF型泵为氟塑料衬里单级单吸卧式化工离心泵，极大提高了IH型化工泵的耐腐蚀能力，其技术特性符合国际标准ISO 2858、ISO 3661的规定。具有耐高低温、抗老化、无毒素分解等一系列优异性能。可长期输送任意浓度的有机酸、无机酸、混酸、强碱、酸碱交替、强氧化剂和有机溶剂等化学介质。广泛应用于石油、化工、制药、冶金、电力、造纸、农药，电镀等行业，是目前最优良的耐腐蚀设备之一。

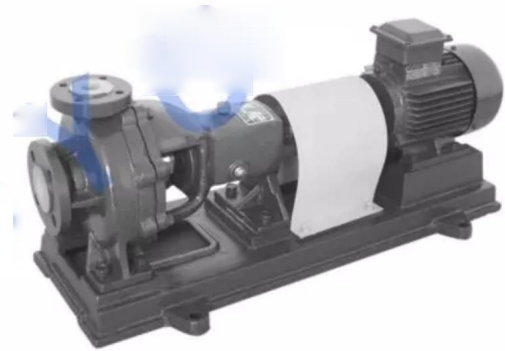
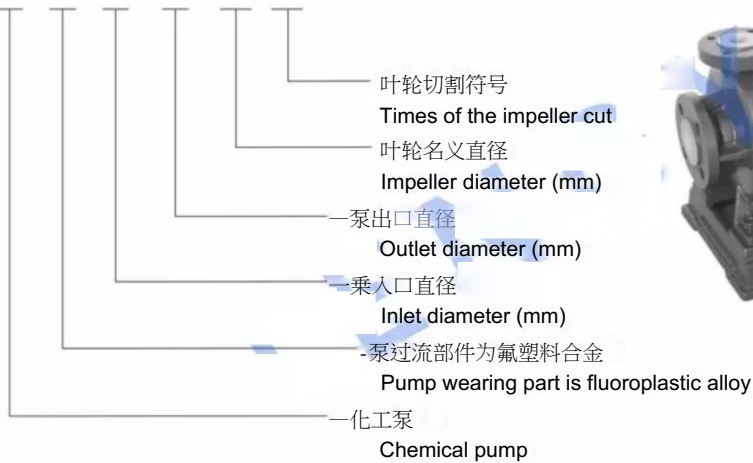
IHF pumps are fluoroplastic lined single stage single suction horizontal chemical centrifugal pumps. The technical characteristics can meet the international standard ISO 2858, ISO 3661. They have the characteristics of resistant to low and high temperature, ageing resistance, innocuous analytical etc. they can delivery the organic acid, inorganic acid, mixed acid, alkali, acid based exchanged, strong oxidizer, organic solvent, and so on. They can be applicable to petroleum, chemical industry, pharmacy, metallurgy, electric force, paper-making, pesticide, electroplating etc. they are one of the best resistant material.

型号意义

MEANING OF THE MODEL

例：IH F 50-32-160 A

EX:



使用参数

PERFORMANCE RANGE

口径: DN32 ~ DN125mm

流量: 1.75 ~ 240m³/h

扬程: 4.37 ~ 90m

转速: 2900r/min; 1450r/min

工作温度: 名义 150℃

粘度: $\leq 150\text{mm}^2/\text{s}$

压力: <math>< 1.6\text{Mpa}</math>

电机功率: 0.75 ~ 75kW

口径: DN32 ~ DN125mm

Capacity: 1.75 ~ 240m³/h

Head: 4.37 ~ 90m

Rotate speed: 2900r/min; 1450r/min

Work temperature: 名义 150℃

Viscosity: $\leq 150\text{mm}^2/\text{s}$

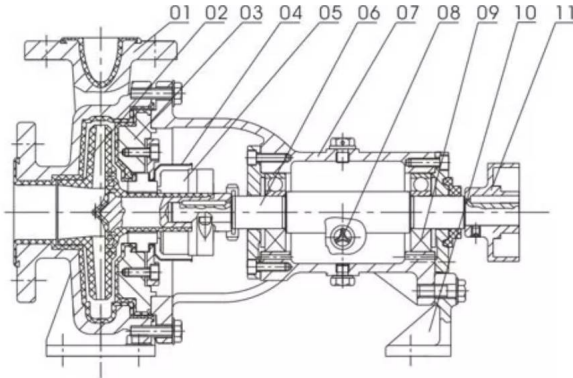
Pressure: $\leq 1.6\text{Mpa}$

Motor power: 0.75 ~ 75kW

SKETCH MAP OF STRUCTURE

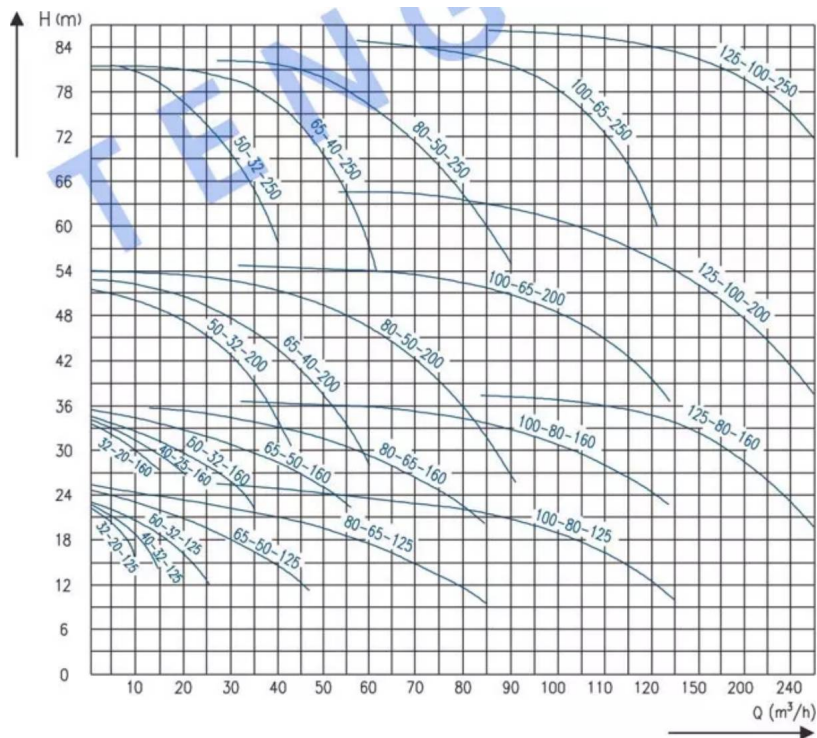
IHF型氟塑料化工泵泵壳采用金属外壳内衬氟塑料合金，叶轮和后座均采用金属嵌件外包氟塑料合金整体烧结压制成型，轴封采用外装式多弹簧单端面波纹管机械密封，静环采用99.9%氧化铝陶瓷或碳化硅，动环采用填充四氟材料或碳化硅。

IHF fluoroplastic chemical centrifugal pump adopt metal cover lining with fluoroplastic, impeller and backbow are metal part outer pack fluoroplastic alloy, shaft seal is external single mechanical seal, stator ring is 99.9% alumina ceramics and SIC, rotor ring is PTFE or SIC.



- 01 泵体 Casing
- 02 叶轮 Impeller
- 03 泵盖 Pump cover
- 04 集液罩 Liquid trap
- 05 机械密封 Mechanical seal
- 06 泵轴 Shaft
- 07 悬架 Hanger bracket
- 08 油镜 Oil immersion lens
- 09 轴承 Bearing
- 10 支架 Bracket
- 11 联轴器 Coupling

PERFORMANCE CURVE



PERFORMANCE PARAMETER

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		總汽蚀 NPSHr (m)	重量 Weight (kg)
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IMrJZ-ZD-I ZD	2900	3.5 5 6.5	0.97 1.39 1.80	21 20 18	40 44 42	0.50 0.62 0.76	1.5	2.3	80
	1450	1.75 2.5 3.25	0.49 0.69 0.90	5.25 5 4.5	37 40 38	0.068 0.085 0.105	0.75	2.3	75
IHF32-25-125A	2900	3.1 4.5 5.8	0.86 1.25 1.61	17.6 16 14.4	38 41 40	0.40 0.48 0.57	1.1	2.3	75
IHF32-25-160	2900	3.5 5 6.5	0.97 1.39 1.80	33 32 30	34 40 42	0.93 1.10 1.26	2.2	2.3	90
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF32-25-160A	2900	3.1 4.5 5.8	0.86 1.25 1.61	29 28 26	30 35 36	0.81 0.97 1.14	1.5	2.3	80
IHF40-32-125	2900	4.4 6.5 8.3	1.22 1.80 2.31	21 20 18	40 45 43	0.63 0.79 0.95 _k	2.2	2.5	90
	1450	2.2 3.25 4.15	0.60 0.90 1.15	5.25 5 4.5	37 41	0.085 0.108 0.127	0.75	2.5	75
IHF40-32-125A	2900	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	38 42 40	0.49 0.58 0.72	1.5	2.5	80
IHF40-32-160	2900	4.4 6.5 8.3	1.22 1.80 2.31	33 32 30	34 40 39	1.16 1.42 1.71	2.2	2.5	90
	1450	2.2 2.5 3.25	0.60 0.90 1.1 _约	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	75
IHF40-32-160A	2900	3.9 5.6 7.4	1.08 1.56 S.06	29 28 26	32 38 37	0.96 1.23 1.41	1.5	2.5	80
IHF50-32-125	2900	8.8 12.5 16.3	1.08 1.56 2.06	21 20 17.5	45 54 53	1.15 1.26 1.47	2.2	3.0	90
	1450	4.4 6.25 8.15	1.2 1.74 2.26	5.37 5 4.37	37 46 45	0.17 0.17 0.22	0.75	3.0	75
IHF50-32-125A	2900	8 11 14.5	2.22 3.05 4.03	17 16 14	42 52 51	0.88 0.92 1.08	1.5	3.0	80
InrDU-oZ-I OU	2900	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	41 48 47	1.93 2.27 2.84	4	3.0	120
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3.0	90
IHF50-32-160A	2900	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	39 47 46	1.16 1.88 2.34	3	3.0	100
IHF50-32-200	2900	8.8 12.5 16.3	2.44 3.47 4.53	52 50 48	34 42 41	3.70 4.10 5.20	7.5	3.0	150
	1450	4.4 6.25 8.15	1.2 1.74 2.26	13 12.5 12	25 33 36	0.62 0.65 0.74	1.5	3.0	100



IHF Fluoroplastic Alloy Chemical Mechanical Seal Centrifugal Pumps

Product Description:

IHF series pumps are fluoroplastic lined single stage suction chemical pumps. Its rating performance and overall dimensions are developed according ISO2858. The IHF pump has advantages on compact structure, reliable performance, high efficiency and easy to use and maintain.

They are applicable for petroleum, chemical industry, pharmacy, electric force, paper-making, pesticide

PTFE/PFA-Lined Mechanical Seal Chemical Process Pump

Their casing is lined with high quality, corrosion and permeation-resistant PFA/PTFE. The thick PFA/PTFE lining is anchored vacuum-tight to the metal reinforcement. This absorbs the mechanical loads caused by the system pressure or by pipeline forces. The intelligent modular system makes assembly easier and reduces the costs for spare parts, maintenance and repair to a minimum.

GENERAL

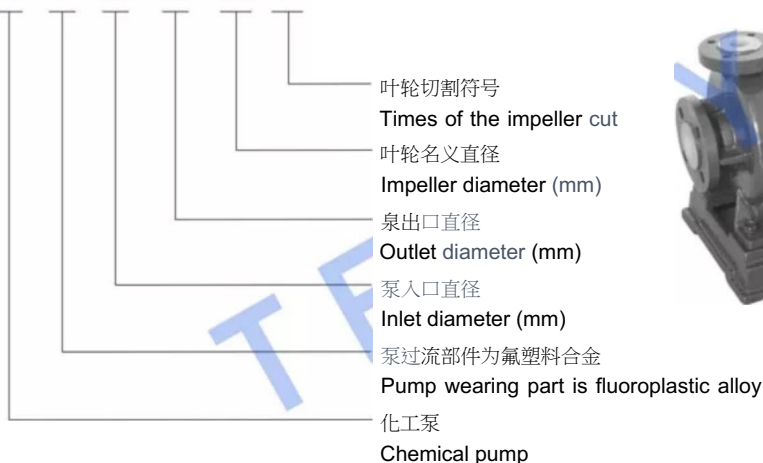
IHF型泵为氟塑料衬里单级单吸卧式化工离心泵，极大提高了IH型化工泵的耐腐蚀能力，其技术特性符合国际标准ISO 2858、ISO 3661的规定。具有耐高低温、抗老化、无毒素分解等一系列优异性能。可长期输送任意浓度的有机酸、无机酸、混酸、强碱、酸碱交替、强氧化剂和有机溶剂等化学介质。广泛应用于石油、化工、制药、冶金、电力、造纸、农药、电镀等行业，是目前最优良的耐腐蚀设备之一。

IHF pumps are fluoroplastic lined single stage single suction horizontal chemical centrifugal pumps. The technical characteristics can meet the international standard ISO 2858, ISO 3661. They have the characteristics of resistant to low and high temperature, ageing resistance, innocuous analytical etc. they can delivery the organic acid, inorganic acid, mixed acid, alkali, acid based exchanged, strong oxidizer, organic solvent, and so on. They can be applicable to petroleum, chemical industry, pharmacy, metallurgy, electric force, paper-making, pesticide, electroplating etc. they are one of the best resistant material.

MEANING OF THE MODEL

例: IH F 50-32-160 A

EX:



PERFORMANCE RANGE

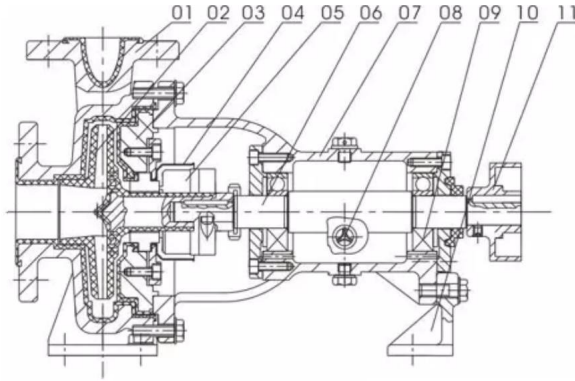
口径: DN32 ~ DN125mm
流量: 1.75 ~ 240m³/h
扬程: 4.37 ~ 90m
转速: 2900r/min; 1450r/min
工作温度: 最高150°C
粘度: $\leq 150\text{mm}^2/\text{s}$
压力: $\leq 1.6\text{Mpa}$
电机功率: 0.75 ~ 75kW

Caliber: DN32 ~ DN125mm
Capacity: 1.75 ~ 240m³/h
Head: 4.37 ~ 90m
Rotate speed: 2900r/min; 1450r/min
Work temperature: $\leq 150^\circ\text{C}$
Viscosity: $\leq 150\text{mm}^2/\text{s}$
Pressure: $\leq 1.6\text{Mpa}$
Motor power: 0.75 ~ 75kW

SKETCH MAP OF STRUCTURE

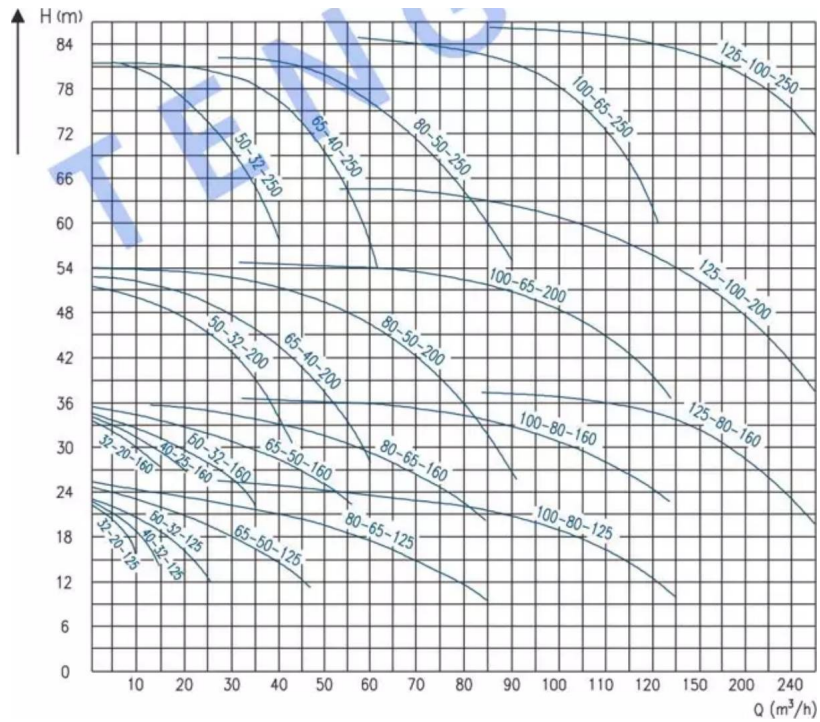
IHF型氟塑料化工泵泵壳采用金属外壳内衬氟塑料合金，叶轮和后座均采用金属嵌件外包氟塑料合金整体烧结压制成型，轴封采用外装式多弹簧单端面波纹管机械密封，静环采用99.9%氧化铝陶瓷或碳化硅，动环采用填充四氟材料或碳化硅。

IHF fluoroplastic chemical centrifugal pump adopt metal cover lining with fluoroplastic, impeller and backbow are metal part outer pack fluoroplastic alloy, shaft seal is external single mechanical seal, stator ring is 99.9% alumina ceramics and SIC, rotor ring is PTFE or SIC.



- 01 泵体 Casing
- 02 叶轮 Impeller
- 03 泵盖 Pump cover
- 04 集液罩 Liquid trap
- 05 机械密封 Mechanical seal
- 06 泵轴 Shaft
- 07 悬架 Hanger bracket
- 08 油镜 Oil immersion lens
- 09 轴承 Bearing
- 10 支架 Bracket
- 11 联轴器 Coupling

PERFORMANCE CURVE



PERFORMANCE PARAMETER

型号 Model	转速 Rotate speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Efficiency (%)	功率 Power(kW)		總汽蝕錢 NPSHr (m)	重量 Weight (kg)
		(m³/h)	(L/S)			轴功率 Shaft power	电机功率 Motor power		
IHF32-25-125	2900	3.5 5 6.5	0.97 1.39 1.80	21 20 18	40 44 42	0.50 0.62 0.76	1.5	2.3	80
	1450	1.75 2.5 3.25	0.49 0.69 0.90	5.25 5 4.5	37 40 38	0.068 0.085 0.105	0.75	2.3	75
IHF32-25-125A	2900	3.1 4.5 5.8	0.86 1.25 1.61	17.6 16 14.4	38 41 40	0.40 0.48 0.57	1.1	2.3	75
IHF32-25-160	2900	3.5 5 6.5	0.97 1.39 1.80	33 32 30	34 40 42	0.93 1.10 1.26	2.2	2.3	90
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	75
IHF32-25-160A	2900	3.1 4.5 5.8	0.86 1.25 1.61	29 28 26	30 35 36	0.81 0.97 1.14	1.5	2.3	80
IHF40-32-125	2900	4.4 6.5 8.3	1.22 1.80 2.31	21 20 18	40 45 43	0.63 0.79 0.9 ^k	2.2	2.5	90
	1450	2.2 3.25 4.15	0.60 0.90 1.15	5.25 5 4.5	37 41 40 ^A	0.085 0.108 0.127	0.75	2.5	75
IHF40-32-125A	2900	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	38 42 40	0.49 0.58 0.72	1.5	2.5	80
IHF40-32-160	2900	4.4 6.5 8.3	1.22 1.80 2.31	33 32 30	34 40 39	1.16 1.42 1.71	2.2	2.5	90
	1450	2.2 3.25	0.60 0.90 1.151	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	75
IHF40-32-160A	2900	3.9 5.6 7.4	1.08 1.56 2.06	29 28 26	32 38 37	0.96 1.23 1.41	1.5	2.5	80
IHF50-32-125	2900	8.8 12.5 16.3	1.08 1.56 2.06	21 20 17.5	45 54 53	1.15 1.26 1.47	2.2	3.0	90
	1450	4.4 6.25 8.15	1.2 1.74 2.26	5.37 5 4.37	37 46 45	0.17 0.17 0.22	0.75	3.0	75
IHF50-32-125A	2900	8 11 14.5	2.22 3.05 4.03	17 16 14	42 52 51	0.88 0.92 1.08	1.5	3.0	80
IHF50-32-160	2900	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	41 48 47	1.93 2.27 2.84	4	3.0	120
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3.0	90
IHF50-32-160A	2900	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	39 47 46	1.16 1.88 2.34	3	3.0	100
IHF50-32-200	2900	8.8 12.5 16.3	2.44 3.47 4.53	52 50 48	34 42 41	3.70 4.10 5.20	7.5	3.0	150
	1450	4.4 6.25 8.15	1.2 1.74 2.26	13 12.5 12	25 33 36	0.62 0.65 0.74	1.5	3.0	100



API 610 11th OH2 Single Stage End Suction Process Oil Chemical Pumps

XZA/XZE Oil Chemical Process Pumps are designed to API 610 for heavy duty for heavy duty process flows and heads.

It utilizes a conventional enclosed ,high efficiency impeller. Large size pumps are available with an inducer for lower NPSH3.

XZA/XZE PUMPS are commonly found in synfuels ,refining,gas processing,petrochemicals

Product Description

Characteristics:

Single stage radial impeller, horizontal radial split volute, foot or centerline mounting. Axial suction, radial discharge, suction and discharge flange pressure levels are the same. The pump body and impeller have a replaceable seal ring that balances the axial force in the pump through the balance hole. The shaft seal and auxiliary system piping configuration adopts API682 standard mechanical seal and flushing scheme. Various cooling methods such as natural cooling, air cooling, and water cooling can be configured according to working conditions.

Scope of application:

Clean or contaminated, low temperature or high temperature, chemically neutral or corrosive liquid;

Refineries, petrochemicals, chemical industries, coal chemicals, desalination, power stations, fertilizers, pulp and paper, offshore platforms and general industrial

GENERAL

XZAVXZE型石油、化工流程泵是我公司依据API610、API685等标准规范设计的具有国内领先水平的新型泵系列。该泵为单级单吸、卧式、闭式叶轮、轴向吸入、径向排出，采用前、后磨损口环及平衡孔进行水力平衡，出口DN80mm及以上规格的泵体采用双蜗壳，以平衡水力径向力。轴封采用集装式机械密封，并配有冷却冲洗或密封液系统。轴承架为一个整体，用油浴润滑，由恒位油杯自动调整油位，保证充分润滑。采用带中间段的加长的膜片联轴器，后开门结构，可在不拆卸进出口法兰和电机的情况下向后拉出，方便维修。产品采取整体规划的设计，通用化、系列化程度高，零件互换性好。

XZAXZE series petrochemical process pumps are designed according to API610 and API685. This pump is single-stage single suction, close impeller, axial suction, radial discharge. According to the work condition adopt front and back mouth ring and balance hole to do the hydraulic balance. If the DN = 80mm or more than 80 mm, the pump is to balance. Gland seal is adopt the Mechanical seal and cooling washor or sealing liquid system, bearing suspension fork is a whole, bearing is adopt the oil bath lubrication, the grease cup can adjust the oil level automatically to ensure the lubrication enough. The pump can be disassembled but no need to disassemble the inlet and out flange and motor. it is very easy to repair.

APPLIED RANGE

适用于炼油厂、石油、化工、低温工程、化纤，电厂，环境保护工程等。用来输送各种液态石油化工产品，有机化合物、各种温度和浓度的酸、碱、盐溶液，具有腐蚀性或无腐蚀性的原料和产品等。

For refinery, petrochemical industry, cryogenic engineering, chemical fiber, normal industrial process, power house, environmental protection, etc. For pumping various liquid state petrochemical industry products, organic compound, various acid, alkali, salt solution under different temperature and concentration, and corrosive raw material or products.

OPERATION PARAMETER

口径: DN25 ~ DN400mm

流量: 4 ~ 2390m³/h

扬程: ≤ 205m

转速: 2900r/min; 1450r/min

工作温度: ≥ 175°C(XZA); < 350°C(XZE)

粘度: ≤ 150mm²/s

压力: ≥ 2.5Mpa (XZA); ≤ 5.0Mpa(XZE)

电机功率: 1.1 ~ 315kW

Caliber: DN25 ~ DN400mm

Capacity : 4 ~ 2390m³/h

Head: ≤ 205m

Rotate speed: 2900r/min; 1450r/min

Work temperature: ≤ 175°C(XZA); < 350°C(XZE)

Viscosity: ≤ 150mm²/s

Pressure: ≥ 2.5Mpa (XZA); ≤ 5.0Mpa(XZE)

Motor power: 1.1 ~ 315kW



XZE型 XZE TYPE



XZA型 XZA TYPE

MEANING OF THE MODEL

例： XZA(E) □ - □ - □ □
EX:

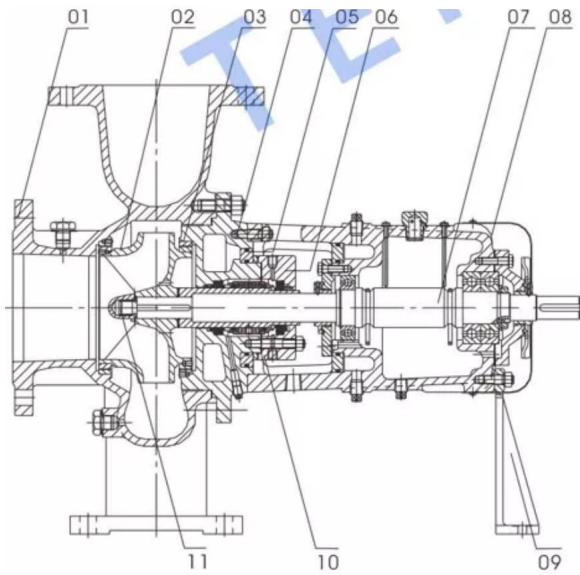
- 叶轮切割顺序号 (A, B, C...)
Impeller cut sequence number
- 叶轮名义直径
Impeller diameter (mm)
- 泵出口直径
Outlet diameter (mm)
- 泵入口直径
Inlet diameter (mm)
- 石化流程泵 ("A"为底脚支撑, "E"为中心线支撑)
Oil chemical process pump
(A: underprop is footing, E: underprop is centerline)

MATERIAL SELECTION

根据输送介质、使用工况及用户要求可选用：CS、1Cr13、0Cr18Ni9(304)、0Cr18Ni12Mo2Ti(316)、钛合金等材质。

There are CS, 1Cr13, 0Cr18Ni9(304), 0Cr18Ni12Mo2Ti(316), Ti alloy can be choosed according different medium and work condition.

SKETCH MAP OF STRUCTURE



- 01 泵体 Casing
- 02 叶轮 Impeller
- 03 密封圈 Seal ring
- 04 泵盖 Pump cover
- 05 水冷腔盖 Water cooling cover
- 06 机械密封压盖 Mechanical gland bush
- 07 泵轴 Shaft
- 08 轴承 Bearing
- 09 悬架支架 Bracket
- 10 压板 Clap board
- 11 叶轮螺母 Impeller nut

PERFORMANCE PARAMETER

型号 Model	叶轮 型式 Inlet	額定转速 Rating rotate speed n=2900r/min							額定转速 Rating rotate speed n=1450r/min										
		流量	扬程	比重 S.G.r=1		比重 S.G.r=1.35		比重 S.G.r=1.84	流量	扬程	比重 S.G.r=1		比重 S.G.r=1.35		比重 S.G.r=1.84				
		Capacity	Head	配套电机功率及型号 Motor power and model							Capacity	Head	配套电机功率及型号 Motor power and model						
		m ³ /h	m	kW	型号 Model	kW	型号 Model	kW	型号 Model	m ³ /h	m	kW	型号 Model	kW	型号 Model	kW	型号 Model		
40-25-200	A	11.5	49	5.5	132S1-2	7.5	132S2-2	11	160M1-2	5.8	12	1.1	90S-4	1.1	90S-4	1.5	90L-4		
	B	10.5	42	4	112M-2	5.5	132S1-2	7.5	132S2-2	5.4	11	1.1	90S-4	1.1	90S-4	1.1	90S-4		
	C	9	36	3	100L-2	4	112M-2	5.5	132S1-2	4.6	8.5	1.1	90S-4	1.1	90S-4	1.1	90S-4		
	D	7.5	28	2.2	90L-2	3	100L-2	4	112M-2	4	6.5	1.1	90S-4	1.1	90S-4	1.1	90S-4		
50-25-250	A	11.5	80	11	160M1-2	15	160M2-2	18.5	160L-2	8	17	2.2	100L1-4	3	100L2-4	4	112M-4		
	B	9.5	67	7.5	132S2-2	11	160M1-2	15	160M2-2	7	16.5	2.2	100L1-4	3	100L2-4	4	112M-4		
	C	8.8	50	5.5	132S1-2	11	160M1-2	15	160M2-2	6.5	12	2.2	100L1-4	2.2	100L1-4	3	100L2-4		
	D	8.5	30	4	112M-2	5.5	132S1-2	7.5	132S2-2	6	6.5	1.1	90S-4	1.5	90L-4	2.2	100L1-4		
50-25-315	A	21	128	30	200L1-2	45	225M-2	55	250M-2	9.6	32	5.5	132S-4	7.5	132M-4	11	160M-4		
	B	18	115	30	200L1-2	37	200L2-2	45	225M-2	8.5	30	4	112M-4	5.5	132S-4	7.5	132M-4		
	C	16	100	22	180M-2	30	200L1-2	45	225M-2	7.5	25	3	100L2-4	4	112M-4	5.5	132S-4		
	D	14	90	18.5	160L-2	30	200L1-2	37	200L2-2	7	22	3	100L2-4	4	112M-4	5.5	132S-4		
80-40-160	A	28	33	5.5	132S1-2	7.5	132S2-2	11	160M1-2	14	8	1.1	90S-4	J.1	90S-4	1.5	90L-4		
	B	25.6	29	5.5	132S1-2	7.5	132S2-2	11	160M1-2	13	7	1.1	90S-4	1.1	90S-4	1.5	90L-4		
	C	22	22	4	112M-2	5.5	132S1-2	5.5	132S1-2	11	5.5	1.1	90S-4	1.1	90S-4	1.1	90S-4		
	D	20	16	2.2	90L-2	3	100L-2	4	112M-2	9.5	4.5	1.1	90S-4	1.1	90S-4	1.1	90S-4		
80-40-200	A	29	53	11	160M1-2	15	160M2-2	18.5	160L-2	14.5	13	1.5	90L-4	2.2	100L1-4	3	100L2-4		
	B	26	47	7.5	132S2-2	11	160M1-2	15	160M2-2	13	11.5	1.1	90S-4	1.5	90L-4	2.2	100L1-4		
	C	22	39	5.5	132S1-2	7.5	132S2-2	J.1	160M1-2	11.5	9	1.1	90S-4	1.1	90S-4	1.5	90L-4		
	D	18	20	4	112M-2	5.5	132S1-2	7.5	132S2-2	9.5	7	1.1	90S-4	1.1	90S-4	1.1	90S-4		
80-40-250	A	32	78	18.5	160L-2	22	180M-2	30	200L1-2	16	19.5	3	100L2-4	4	112M-4	5.5	132S-4		
	B	30	72	15	160M2-2	18.5	160L-2	30	200L1-2	15	18	2.2	100L1-4	3	100L2-4	4	112M-4		
	C	24	60	11	160M1-2	15	160M2-2	18.5	160L-2	12.5	14	1.5	90L-4	2.2	100L1-4	3	100L2-4		
	D	21	47	7.5	132S2-2	11	160M1-2	15	160M2-2	10.5	11	1.1	90S-4	1.5	90L-4	2.2	100L1-4		
80-40-315	A	42	115	37	200L2-2	45	225M-2	75	280S-2	21	29	5.5	132S-4	7.5	132M-4	11	160M-4		
	B	40	107	30	200L1-2	45	225M-2	55	250M-2	20	26.5	5.5	132S-4	7.5	132M-4	11	160M-4		
	C	34	81	22	180M-2	30	200L1-2	45	225M-2	17.5	20	4	112M-4	5.5	132S-4	7.5	132M-4		
	D	29	61	15	160M2-2	22	180M-2	30	200L1-2	15	15	3	100L2-4	3	100L2-4	5.5	132S-4		
80-40-400	A	42.5	156	55	250M-2	75	280S-2	90	280M-2	21	39	7.5	132M-4	11	160M-4	15	160L-4		
	B	42	126	45	225M-2	55	250M-2	75	280S-2	20	32	7.5	132M-4	7.5	132M-4	11	160M-4		
	C	40	110	37	200L2-2	55	250M-2	75	280S-2	19	38	5.5	132S-4	7.5	132M-4	11	160M-4		
	D	37.5	82	30	200L1-2	37	200L2-2	55	250M-2	18	20.5	4	112M-4	5.5	132S-4	7.5	132M-4		
80-50-160	A	50	34	11	160M1-2	15	160M2-2	15	160M2-2	25	8.4	1.5	90L-4	2.2	100L1-4	2.2	100L1-4		
	B	45	29	7.5	132S2-2	11	160M1-2	15	160M2-2	22.5	7	1.5	90L-4	1.5	90L-4	2.2	100L1-4		
	C	38	22	5.5	132S1-2	7.5	132S2-2	11	160M1-2	19	5.5	1.1	90S-4	1.1	90S-4	1.5	90L-4		
	D	31	17	3	100L-2	4	112M-2	5.5	132S1-2	16.5	4	1.1	90S-4	1.1	90S-4	1.1	90S-4		
80-50-200	A	62	52	18.5	160L-2	22	180M-2	30	200L1-2	31	13	3	100L2-4	3	100L2-4	4	112M-4		
	B	56	46	15	160M2-2	18.5	160L-2	22	180M-2	28.5	11.5	2.2	100L1-4	3	100L2-4	4	112M-4		
	C	49	37	11	160M1-2	15	160M2-2	18.5	160L-2	25	9	1.5	90L-4	2.2	100L1-4	3	100L2-4		
	D	43	28	7.5	132S2-2	11	160M1-2	15	160M2-2	22	7	1.1	90S-4	1.5	90L-4	2.2	100L1-4		

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