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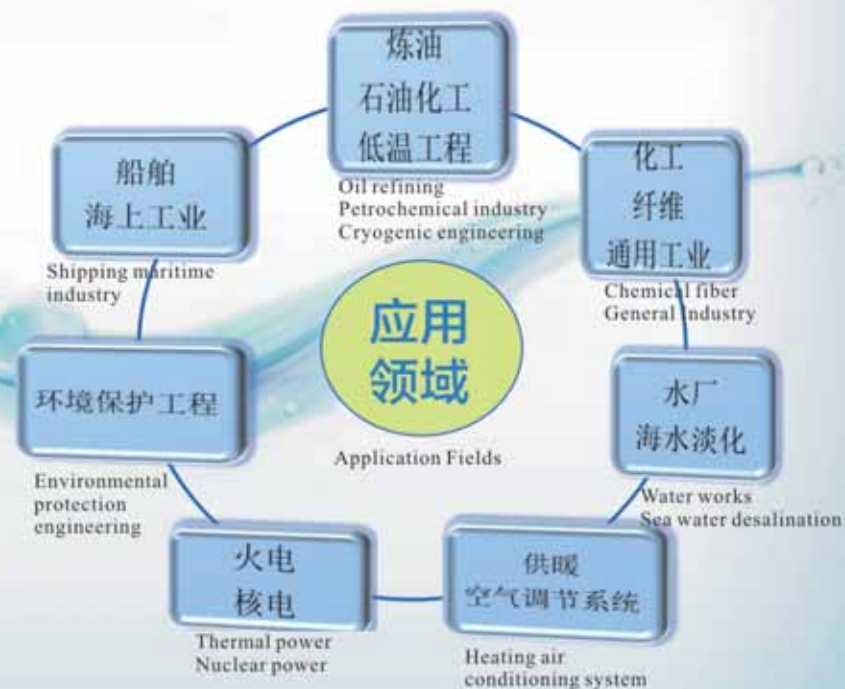
耐普化工泵是您的最佳选择!
Your Best Choice—Nep's Chemical Process Pump!

NH石油化流程泵

NH Chemical Process Pump

NH系列石油化流程泵分为NHA(OH1)、NHE(OH2)两个系列,是卧式、径向剖分、单级悬臂式离心泵。符合API610标准。适合输送清洁或含颗粒、低温或高温、中性或有腐蚀性的液体。

NH petrol-chemical process pumps can be divided into NHA(OH1) and NHE(OH2) two series, which are horizontal type radially split single stage cantilever form centrifugal pumps, and conform to the standard API610. These pumps are widely used in transporting of clean or particle liquid, low or high temperature liquid, neutral or corrosive liquid.



节能

Energy Conservation

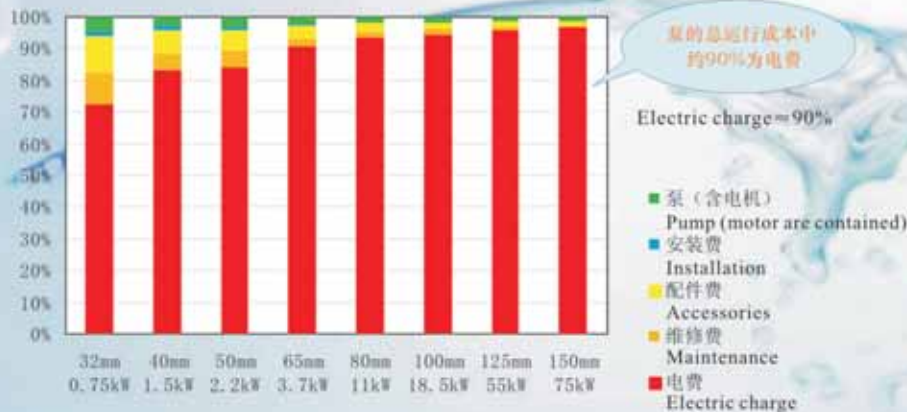
通过采用高效率水力模型设计（三维叶轮、泵体设计），实施最佳工况点（精准切割叶轮），采用高效电机达到节能目的，大幅度降低总运行成本和减少CO2排放。

High efficiency hydraulic model design (3D impeller, pump casing design) are adopted. Optimal operating point is put into use (cut impeller accurately), high efficiency motor are adopted to save energy, reduce total operating cost sharply and reduce carbon emission.

降低总运行成本 Reduce total operating cost

泵的总运行成本中约90%是电费，所以节省能源能使泵的总运行成本大幅度降低。

90% of total operating cost in pump running is electric charge, that is why energy conservation can reduce total operating cost sharply.



泵节能 Energy conservation

泵名称：冷却水化工泵
年运转时间：8760小时

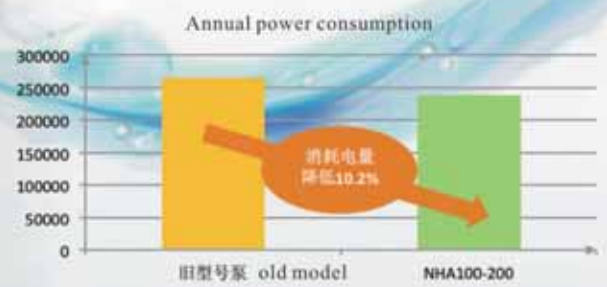
Pump name: cooling water chemical pump
Annual running time: 8760 hours

	旧型号泵工况参数 Pump duty parameters of old model		新型号泵工况参数 Pump duty parameters of old model		性能差 Performance difference
	泵形式 Pump model	旧型号 Old model	NHA100-200		
	电机额定功率 Motor rated power	30kW	25kW	-10%	
	工况点 Working point	运行点 Running point	运行点 Running point		
流量 Flow m³/min	130	130	130	0%	
扬程 Head m	30	41.4	40	-1.6m	
效率 Efficiency %		42	65	+33%	
驱动功率 Pump shaft power kW		27.3	25.1	-2.2kW	
电机效率 Motor efficiency %		80	92.4	+12.4%	
耗电量 Power consumption		30.3	27.2	-3.1kW (-10.2%)	
年耗电量 Annual power consumption		26428	23872	-2556kwh	



电费：0.8元/度
Electric charge: ¥ 0.8/kWh

年耗电量



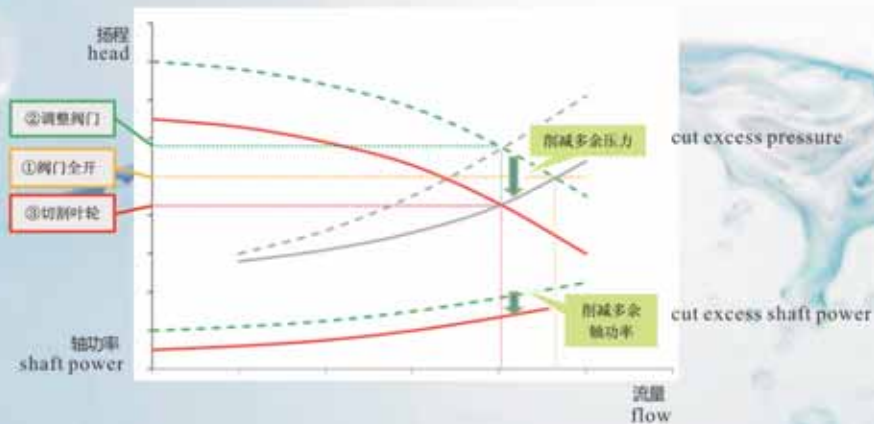
CO2换算排出系数：0.00045 (t-CO2/kWh)
(0.00045系数源于国家电力相关资料)

CO₂ conversion efflux coefficient (t-CO₂/kWh)
(coefficient 0.00045 comes from State Power related data)

最佳工况点 Optimal operating point

根据用户的工况参数来确定叶轮直径，精确控制扬程的高出余量，降低轴功率，减少耗电量。

Impeller diameter is determined from working state parameter to control accurately higher margin of head, reduce shaft power and power consumption



- ② Adjust valve
- ① Valve fully open
- ③ Cut impeller

省资源 Resource saving

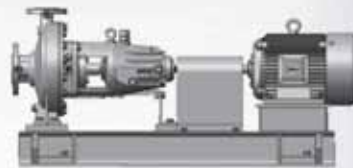
•高速小型化 High speed miniaturization

通过提高转速、减少泵体积来降低泵房基建成本，减少占地面积，达到节省资源的目的。

Rise rotary speed and reduce pump volume to reduce infrastructure cost of pump housing and floor space, to achieve the purpose of saving resources.

极数 pole number: 4P
电机功率 motor power: 18.5kW
重量 weight: 500kg

极数 pole number: 2P
电机功率 motor power: 15kW
重量 weight: 309kg



2P相比4P质量减少38%!
Compared to 4P, 2P's weight reduce 38%!
= (500-309) ÷ 500 × 100%

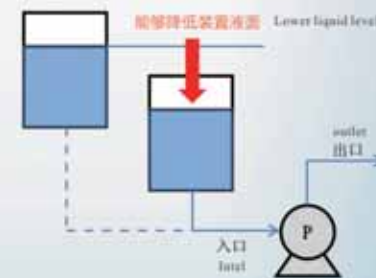
•低气蚀性和大使用范围 Low cavitation and wide application range

叶轮采用低气蚀性能设计，提高化工泵抗气蚀能力，降低装置液面高度，削减装置建设成本。

注：能适用于-80~+450℃液温和各种液体介质

Low cavitation performance design are adopted in impeller to improve cavitation-resistant ability of chemical pump, lower device liquid level and Cut device construction costs.

Note: suitable for sorts of liquid medium which between -80~+450℃.



省力

Labor saving

机械密封标准配置 Standard configuration of mechanical seal

采用机械密封标配，轴封部件无泄漏，保护泵周围环境。

Standard configuration of mechanical seal are adopted. Shaft seal parts without leakage, protect the surroundings.

构造 Structure	机械密封 Mechanical seal	填料密封 Packing seal
泄漏量 Leakage amount	0 cc/min	15 cc/min
5年泄漏量 Leakage amount in 5 years	0 L	39420 L
金额换算 Converted amounts	0元	¥162元

填料密封5年泄漏量:

Leakage amount of packing seal in 5 years

39420L

相当于家庭饮用水桶 (18L)

equivalent to 2190 drinking water barrels



高精度轴承部件设计保证平稳运行

Design of high precision bearing parts ensure steady operation

• 稳定曲线性能保证平稳运行 Stability curve performance ensure steady operation

稳定性能具有随流量增大扬程减小的特性，在阀门调节和并列运行中，具有良好的操作性。

Stability performance can decrease along with flow increasing, have favorable maneuverability in regulation and parallel operation of valves.

性能表

Performance Chart

泵系列 Pump series	NHA(OH1)	NHE(OH2)
口径DN diameter	25~400mm	
流量Q flow rate	最大 max 2600m³/h	
扬程H head	最高 max 300m	
转速n rotate speed	2950rpm/1480rpm	
介质温度t medium temperature	-80~+300℃	-80~+450℃
工作压力P working pressure	最高 max 2.5MPa (压力-温度表) (pressure-thermometer)	最高 max 5.0MPa (压力-温度表) (pressure-thermometer)
材质 material	符合API材料等级要求 Meet the requirement of API material grade.	

型号说明

NHA100-315-X0

X0-悬架部件代号 (X0, X1) Suspension parts code (X0, X1)

315-叶轮名义直径 (mm) Impeller nominal diameter (mm)

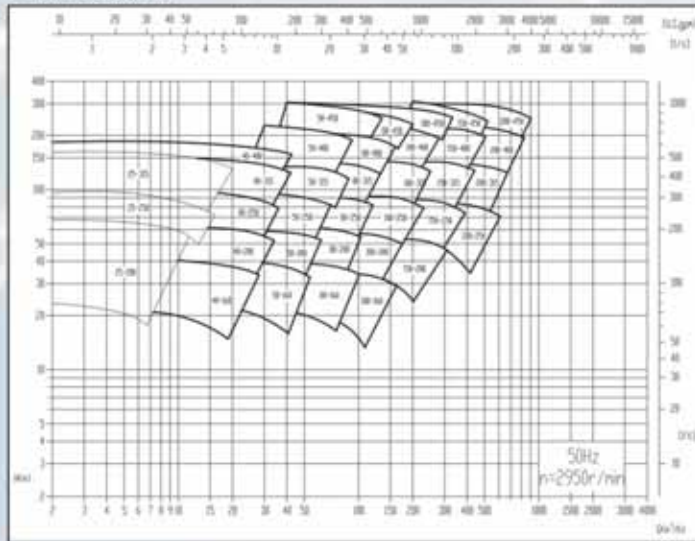
100-出口口径 (mm) Outlet diameter (mm)

NHA(OH1)-系列代号 [NHE(OH2)] Series code [NHE(OH2)]

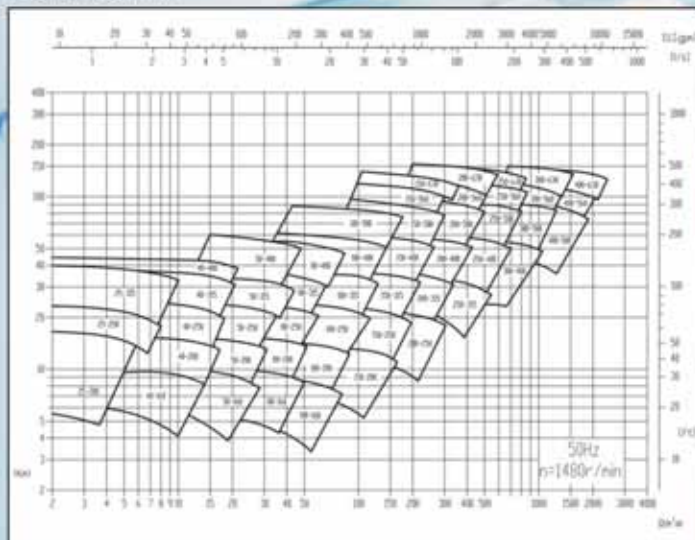
NHA(OH1)、NHE(OH2)型谱图

Model Spectrum

• 50Hz-2950r/min



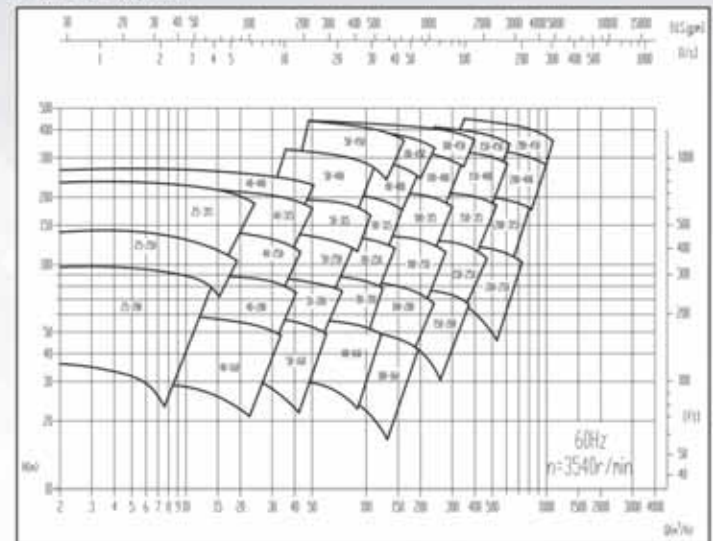
• 50Hz-1480r/min



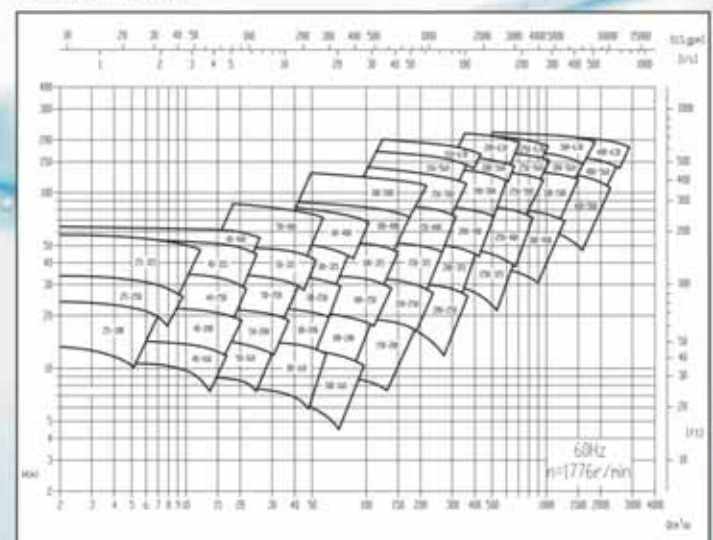
NHA(OH1)、NHE(OH2)型谱图

Model Spectrum

• 60Hz-3540r/min



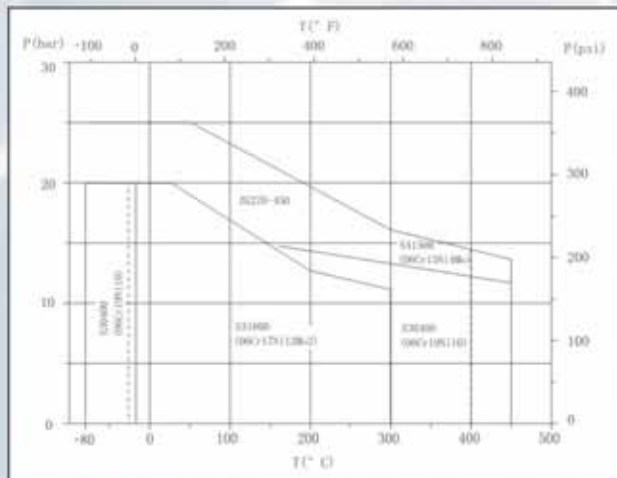
• 60Hz-1776r/min



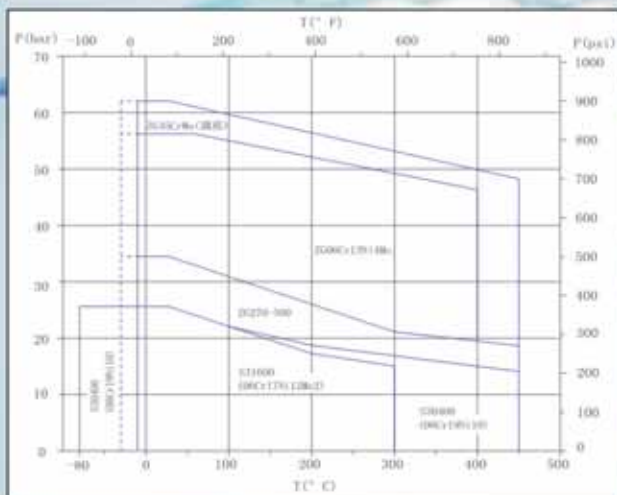
压力-温度表

Pressure Thermometer

· NHA (OH1) (最大允许工作压力 Maximum permissible working pressure)

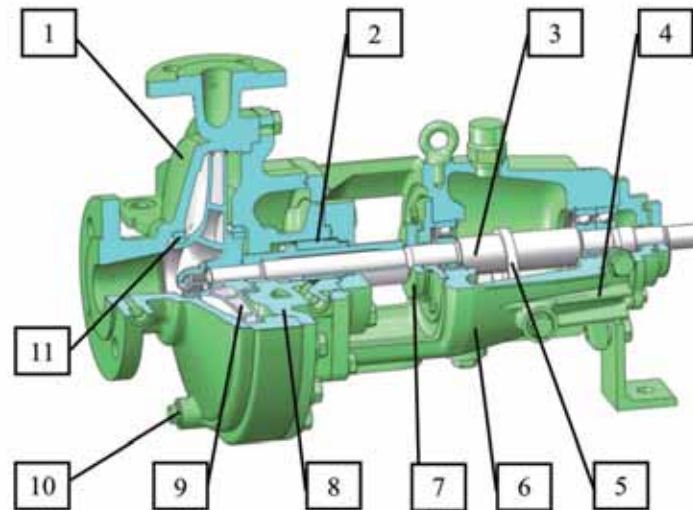


· NHE (OH2) (最大允许工作压力 Maximum permissible working pressure)



主要零件结构特点

Major Parts Structural Features



1. 泵体 pump casing

大口径 (出口流速小、能够承受较高的管口力和力矩载荷、低噪音)
Heavy calibre (low exports velocity, can bear higher nozzle pressure and moment load, low noise)

径向排出口 (泵体自排气)
Radial direction outlet opening (pump casing self-exhaust)

泵体垫片小 (垫片不易断裂)
Small washer in pump casing (washer not easy to break)

2. 密封腔 seal space

适用于填料密封或机械密封 (单或双封)
Suitable for packing seal or mechanical seal (single or double seal)

可采用喉部衬套
Throat bushings can be used.

主要零件结构特点

Major Parts Structural Features

<p>3.轴 shaft</p> <p>轴偏差小 (轴封处 <0.05mm) Small axial misalignment (<0.05mm in shaft seal)</p> <p>临界转速 > 工作转速 Critical speed of revolution > working speed</p> <p>能保护并密封所传输的液体 Can protect translated liquid and seal</p>	<p>4.轴承支架 (带散热筋) bearing bracket (with radiation rib)</p> <p>散热筋自然空冷 Natural air cooling in radiation rib</p>
<p>5.甩油环 oil slinger</p> <p>防止局部润滑油油温过高 To prevent over-temperature of local part of lubricating oil</p> <p>充分混合润滑油 Intensive mixing lubricating oil</p>	<p>6.整体悬架部件 overall suspension parts</p> <p>自动油润滑的耐磨轴承 Antifriction bearing which can do oil lubrication automatically</p> <p>高强度的主轴 Main shaft of high-strength</p> <p>组件少、通用性强 Less parts, has strong generality</p>
<p>7.迷宫式密封 (标准) labyrinth seal (standard)</p> <p>耐磨轴承密封 Wear-resisting bearing seal</p> <p>无附加轴承升温 No additional temperature rise in bearing</p>	<p>8.泵盖 pump cover</p> <p>可提供冷却或加温 Can provide cooling or warming</p> <p>冷却腔装配简单方便 Easy to assembly cooling chamber</p>

主要零件结构特点

Major Parts Structural Features

<p>9.叶轮 impeller</p> <p>标准型闭式叶轮 (高效)、低气蚀 Standard enclosed impeller (high efficiency), low cavitation</p> <p>开式叶轮 Open style impeller</p> <p>可使用附加叶轮 (诱导轮) Additional impeller can be used (guiding impeller)</p>	<p>10.泵体排液 pump casing drain</p> <p>用螺纹 (G或NPT) Use screw thread. (G or NPT)</p> <p>可连接法兰 Can be connected to flange</p>
<p>11.耐磨件 wear-resistant parts</p> <p>叶轮和泵体带有密封环 (可冲洗) There are seal rings in impeller and pump casing</p> <p>轴套 Shaft sleeve</p>	

主要零部件材质表 (常用材质推荐)

Major Parts Material Table (Recommended general materials)

注: 客户有特殊要求时按合同和技术协议要求选配材质。

Note: Material will be choose according to contract and technical agreement if customers have special requirements.

主要零部件材质表 (常用材质推荐)

Major Parts Material Table (Recommended general materials)

使用条件 Service conditions	温度 Temp. (°C)	材料等级 Material grade	泵体泵盖 Pump casing Pump cover	叶轮 Impeller	密封环 Seal ring	轴 Shaft	泵体泵盖的 双头螺栓 Double end bolt of pump casing and pump cover	泵壳垫片 Washer for pump casing	过流的 紧固件 Overflowing fastener
淡水、冷却水、冷却循环水、沸水、工业流程用水 Fresh water, condensate water, cooling tower water, boiling water and water for industrial circuit.	全部 All	S-6	碳钢 carbon steel GB T12228 A105	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel 淬火钢 quenched steel 1Cr13	AISI4140钢 steel 42CrMo	AISI4140钢 steel 35CrMoV	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
		C-6	12%铬钢 chrome steel ZG1Cr13			12%铬钢 chrome steel ZG1Cr13		奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	
锅炉供水 (双壳型) Boiler water supply (double-shell (barrel shape))	>95							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
污水、回流储罐水、排污水以及含有这些水的种类, 包括回流液。 Sewage, backflow storage water, drain water and above water which contain hydrocarbon, circulating liquor are included.	<175	S-6	碳钢 carbon steel GB T12228 A105	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel 淬火钢 quenched steel 1Cr13	AISI4140钢 steel 42CrMo	AISI4140钢 steel 35CrMoV	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
柴油、汽油、石脑油、煤油、粗柴油、轻的、中等和重质润滑油、燃料油、沥青、合成原油油。 Diesel, gasoline, naphtha, kerosene, gas oil, light, medium and heavy lubricants, fuel oil, residual oil, crude oil, pitch, synthetic crude oil base oil.	<370	C-6	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel 淬火钢 quenched steel 1Cr13	12%铬钢 chrome steel ZG1Cr13	AISI4140钢 steel 35CrMoV	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
	>370							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	

主要零部件材质表 (常用材质推荐)

Major Parts Material Table (Recommended general materials)

使用条件 Service conditions	温度 Temp. (°C)	材料等级 Material grade	泵体泵盖 Pump casing Pump cover	叶轮 Impeller	密封环 Seal ring	轴 Shaft	泵体泵盖的 双头螺栓 Double end bolt of pump casing and pump cover	泵壳垫片 Washer for pump casing	过流的 紧固件 Overflowing fastener
污水、回流储罐水、排污水以及含有这些水的种类, 包括回流液。 Sewage, backflow storage water, drain water and above water which contain hydrocarbon, circulating liquor are included.	>175							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
锅炉供水轴向部分 Axial parts of boiler water supply	>95	C-6	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel ZG1Cr13	12%铬钢 chrome steel 淬火钢 quenched steel 1Cr13	12%铬钢 chrome steel 1Cr13	AISI4140钢 steel 35CrMoV	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
锅炉循环器 Boiler circulator	>95							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
FCC液 FCC thick liquid	<370							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
硫酸钾 Potassium carbonate	<175							奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	316奥氏体不锈钢 austenitic stainless steel 0Cr17Ni12Mo2
乙二醇-硬脂酸 (只有CO2) Ethylene glycol - stearic acid (only contains CO2)	80-150	S-9	碳钢 carbon steel GB T12228 A105	镍合金 Ni400	镍合金 Ni400	镍合金 Ni400	镍合金淬火钢 quenched steel Ni400	奥氏体合金 austenitic alloy S30400	奥氏体合金 austenitic alloy S30400
浓度>90%氢氟酸 Concentration >90% hydrofluoric acid	<38							奥氏体合金 austenitic alloy S30400	奥氏体合金 austenitic alloy S30400
丙烷、丁烷、液体石油和苯、乙烷、在操作区 (最高温度) Propane, butane, liquid petroleum ethane, benzene, ethylene, cyclopentane (maximum rated temperature)	>-196	A-7	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	硬化处理的 奥氏体不锈钢 hardfaced austenitic stainless steel 90Cr19Ni10	奥氏体不锈钢 austenitic stainless steel 90Cr19Ni10	AISI4140钢 steel 35CrMoV	奥氏体合金 austenitic alloy S30400	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2
硫酸浓度>65% Sulphuric acid (concentration >65%)	<230	A-8	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2	硬化处理的 316奥氏体不锈钢 hardfaced 316 austenitic stainless steel 0Cr17Ni12Mo2	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2	AISI4140钢 steel 35CrMoV	奥氏体合金 austenitic alloy S30400	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2
硫酸钾 Potassium carbonate	<570							奥氏体合金 austenitic alloy S30400	316奥氏体不锈钢 316 austenitic stainless steel 0Cr17Ni12Mo2
酸性水 Acidic water	<260	D-1	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	硬化处理的 双相不锈钢 hardfaced 316 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N
开采原油的、渣油、基油、煤油、煤油及海水。 Mined, condensate water, oil, kerosene, water, and seawater	全部 All							双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N	双相不锈钢 duplex stainless steel 022Cr23Ni5Mo3N

标准性能参数表

Standard Performance Parameter Table

泵型号 Pump model (NHA/NHE)	流量 Flow		扬程 Head	转速 Rotate speed	轴功率 Shaft power	配套电 机 Matched motor	效率 Efficienc y	必需汽 蚀余量 Required NPSH	叶轮名 义直径 Impeller nominal diameter	泵口径 Pump diameter	
										吸入 Inlet	吐出 Outlet
	m ³ /h	L/s	m	r/min	kW	(kW)	%	m	mm	mm	mm
NHA/NHE25-200	11.5	3.19	55.0	2950	4.3	11	40.0	1.3	Φ209	40	25
	5.8	1.61	13.7	1480	0.6	2.2	36.0	0.4		40	25
NHA/NHE25-250	16.0	4.44	72.0	2950	10.8	45	29.0	2.5	Φ259	50	25
	8.0	2.22	17.8	1480	1.4	5.5	28.0	0.6		50	25
NHA/NHE25-315	20.0	5.56	130.0	2950	22.8	75	31.0	0.8	Φ324	50	25
	10.0	2.78	32.8	1480	3.3	15	27.0	0.4		50	25
NHA/NHE40-160	28.0	7.78	33.5	2950	4.1	7.5	62.0	3	Φ169	80	40
	14.0	3.89	8.2	1480	0.5	1.1	59.0	0.8		80	40
NHA/NHE40-200	34.0	9.44	52.0	2950	8.0	15	60.0	1.8	Φ209	80	40
	17.0	4.72	13.0	1480	1.0	2.2	59.0	0.55		80	40
NHA/NHE40-250	36.0	10.00	79.0	2950	14.3	30	54.0	1.3	Φ259	80	40
	18.0	5.00	19.7	1480	1.9	4	50.5	0.55		80	40
NHA/NHE40-315	42.0	11.67	124.0	2950	30.2	75	47.0	1.4	Φ324	80	40
	20.6	5.72	31.0	1480	4.0	11	43.0	0.5		80	40
NHA/NHE40-400	42.6	11.83	157.0	2950	43.4	110	42.0	3.9	Φ365	80	40
	21.4	5.94	38.5	1480	5.9	18.5	38.0	0.9		80	40
NHA/NHE50-160	50.0	13.89	34.0	2950	6.5	11	71.0	2.4	Φ169	80	50
	25.0	6.94	8.4	1480	0.8	1.5	69.0	0.7		80	50
NHA/NHE50-200	62.0	17.22	52.5	2950	13.0	22	68.0	2.5	Φ209	80	50
	31.0	8.61	13.0	1480	1.7	3	65.5	0.6		80	50
NHA/NHE50-250	70.0	19.44	82.0	2950	24.1	37	65.0	2.4	Φ259	80	50
	35.0	9.72	20.4	1480	3.1	5.5	62.5	0.65		80	50
NHA/NHE50-315	88.0	24.44	115.0	2950	49.2	90	56.0	2.1	Φ324	100	50
	44.0	12.22	28.5	1480	6.4	15	53.0	0.5		100	50

标准性能参数表

Standard Performance Parameter Table

泵型号 Pump model (NHA/NHE)	流量 Flow		扬程 Head	转速 Rotate speed	轴功率 Shaft power	配套电 机 Matched motor	效率 Efficienc y	必需汽 蚀余量 Required NPSH	叶轮名 义直径 Impeller nominal diameter	泵口径 Pump diameter	
										吸入 Inlet	吐出 Outlet
	m ³ /h	L/s	m	r/min	kW	(kW)	%	m	mm	mm	mm
NHA/NHE50-400	92.0	25.56	188.0	2950	92.4	185	51.0	2.5	Φ409	100	50
	48.0	13.33	50.0	1480	12.3	30	53.0	0.6		100	50
NHA/NHE50-450	135.0	37.50	249.0	2950	179.5	355	51.0	5	Φ458	100	50
	67.5	18.75	62.5	1480	23.5	55	49.0	1.5		100	50
NHA/NHE80-160	101.0	28.06	33.8	2950	12.4	18.5	75.0	3.2	Φ169	100	80
	50.0	13.89	8.4	1480	1.6	2.2	73.0	1		100	80
NHA/NHE80-200	103.0	28.61	54.5	2950	20.1	30	76.0	3.2	Φ209	100	80
	51.8	14.39	13.6	1480	2.6	4	74.0	0.8		100	80
NHA/NHE80-250	120.0	33.33	82.0	2950	37.2	55	72.0	2.8	Φ259	100	80
	60.0	16.67	20.4	1480	4.8	7.5	70.0	0.5		100	80
NHA/NHE80-315	132.0	36.67	122.0	2950	65.5	110	67.0	3	Φ324	100	80
	66.0	18.33	30.5	1480	8.6	15	64.0	0.8		100	80
NHA/NHE80-400	160.0	44.44	173.0	2950	123.6	220	61.0	3.2	Φ409	100	80
	80.0	22.22	47.0	1480	19.0	37	58.0	0.8		100	80
NHA/NHE80-450	200.0	55.56	230.0	2950	212.3	400	59.0	5.2	Φ458	100	80
	104.0	28.89	60.0	1480	29.8	55	57.0	1.4		100	80
NHA/NHE100-160	162.0	45.00	29.0	2950	15.8	22	81.0	4.2	Φ169	100	100
	81.0	22.50	7.2	1480	2.0	3	79.5	1.5		100	100
NHA/NHE100-200	175.0	48.61	50.0	2950	29.8	37	80.0	3	Φ209	100	100
	88.0	24.44	12.4	1480	3.8	5.5	78.5	0.9		100	100
NHA/NHE100-250	230.0	63.89	79.0	2950	61.1	75	81.0	4	Φ259	150	100
	115.0	31.94	19.8	1480	7.8	11	79.5	1		150	100
NHA/NHE100-315	250.0	69.44	126.0	2950	114.4	160	75.0	3.5	Φ324	150	100
	125.0	34.72	31.8	1480	14.8	22	73.0	0.9		150	100

标准性能参数表

Standard Performance Parameter Table

泵型号 Pump model (NHA/NHE)	流量 Flow		扬程 Head	转速 Rotate speed	轴功率 Shaft power	配套电 机 Matched motor	效率 Efficienc y	必需汽 蚀余量 Required NPSH	叶轮名 义直径 Impeller nominal diameter	泵口径 Pump diameter	
										吸入 Inlet	吐出 Outlet
	m ³ /h	L/s	m	r/min	kW	(kW)	%	m	mm	mm	mm
NHA/NHE100-400	280.0	77.78	193.0	2950	204.4	315	72.0	3.2	Φ409	150	100
	145.0	40.28	50.5	1480	28.5	45	70.0	0.82		150	100
NHA/NHE100-450	332.0	92.22	251.0	2950	324.2	500	70.0	5.8	Φ458	150	100
	166.0	46.11	64.0	1480	42.6	75	68.0	1.5		150	100
NHA/NHE100-500	180.0	50.00	76.0	1480	53.2	75	70.0	1.5	Φ514	150	100
NHA/NHE150-200	310.0	86.11	46.0	2950	48.0	75	81.0	6.0	Φ209	150	150
	155.0	43.06	11.5	1480	6.1	11	79.0	1.5		150	150
NHA/NHE150-250	390.0	108.33	74.0	2950	96.0	132	82.0	5.2	Φ259	150	150
	196.0	54.44	18.6	1480	12.3	18.5	80.5	1.2		150	150
NHA/NHE150-315	440.0	122.22	127.5	2950	190.0	250	80.5	6.5	Φ324	150	150
	220.0	61.11	32.0	1480	24.5	37	79.0	1.6		150	150
NHA/NHE150-400	506.0	140.56	196.0	2950	350.0	450	78.5	6.2	Φ400	150	150
	262.0	72.78	51.0	1480	48.0	75	77.0	1.7		150	150
NHA/NHE150-450	520.0	144.44	240.0	2950	470.0	635	74.0	9.0	Φ450	150	150
	275.0	76.39	64.0	1480	66.0	110	73.0	1.9		150	150
NHA/NHE150-500	300.0	83.33	78.0	1480	88.0	132	74.0	2.0	Φ514	150	150
NHA/NHE150-560	300.0	83.33	100.0	1480	128.0	200	66.0	2.2	Φ578	150	150
NHA/NHE150-630	360.0	100.00	115.0	1480	185.0	315	63.0	2.3	Φ648	150	150
NHA/NHE200-250	610.0	169.44	71.0	2950	140.0	185	84.5	9.0	Φ259	200	200
	305.0	84.72	17.9	1480	18.0	22	83.5	2.3		200	200
NHA/NHE200-315	670.0	186.11	124.0	2950	275.0	355	83.0	8.8	Φ324	200	200
	336.0	93.33	31.0	1480	34.5	45	82.0	2.0		200	200
NHA/NHE200-400	830.0	230.56	194.0	2950	545.0	710	82.0	12.5	Φ400	200	200
	428.0	118.89	50.8	1480	72.0	90	81.0	3.2		200	200

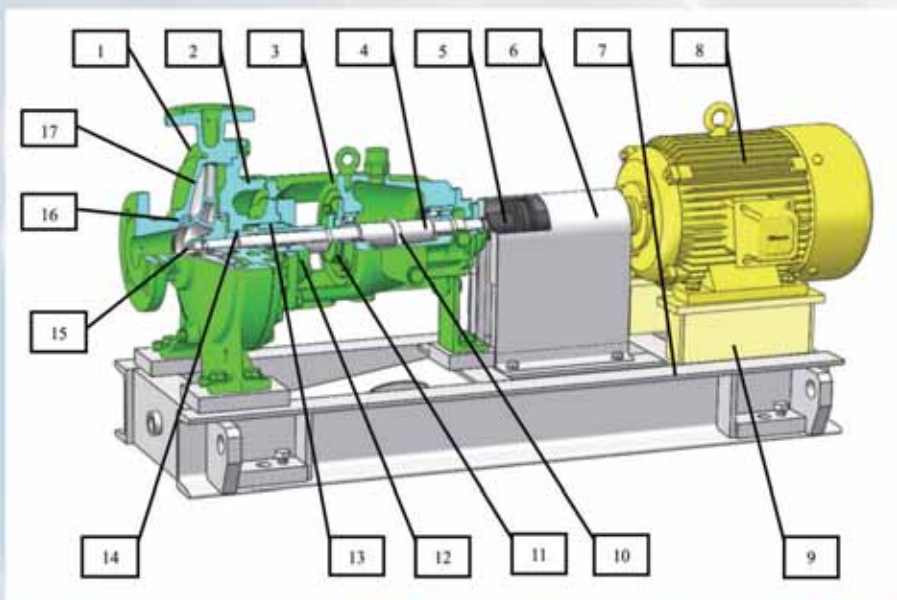
标准性能参数表

Standard Performance Parameter Table

泵型号 Pump model (NHA/NHE)	流量 Flow		扬程 Head	转速 Rotate speed	轴功率 Shaft power	配套电 机 Matched motor	效率 Efficienc y	必需汽 蚀余量 Required NPSH	叶轮名 义直径 Impeller nominal diameter	泵口径 Pump diameter	
										吸入 Inlet	吐出 Outlet
	m ³ /h	L/s	m	r/min	kW	(kW)	%	m	mm	mm	mm
NHA/NHE200-450	905.0	251.39	248.0	2950	542.0	710	80.0	11.5	Φ450	200	200
	462.0	128.33	64.8	1480	102.0	132	78.0	3.0		200	200
NHA/NHE200-500	500.0	138.89	81.5	1480	145.0	185	78.0	3.1	Φ514	200	200
NHA/NHE200-560	552.0	153.33	98.5	1480	200.0	280	75.0	3.0	Φ578	200	200
NHA/NHE200-630	590.0	163.89	134.0	1480	295.0	400	74.0	3.7	Φ648	200	200
NHA/NHE250-315	544.0	151.11	27.0	1480	49.0	75	86.5	3.0	Φ324	250	250
NHA/NHE250-400	700.0	194.44	50.0	1480	118.0	160	84.0	4.0	Φ409	250	250
NHA/NHE250-500	800.0	222.22	82.0	1480	219.0	280	83.0	5.0	Φ514	250	250
NHA/NHE250-560	865.0	240.28	106.0	1480	300.0	400	82.0	4.0	Φ578	250	250
NHA/NHE250-630	850.0	236.11	128.0	1480	370.0	500	80.5	4.7	Φ648	250	250
NHA/NHE300-400	1050.0	291.67	48.0	1480	159.0	185	87.0	5.8	Φ409	300	300
NHA/NHE300-500	1250.0	347.22	83.0	1480	340.0	400	86.0	5.4	Φ514	300	300
NHA/NHE300-560	1330.0	369.44	101.0	1480	430.0	500	86.0	5.0	Φ578	300	300
NHA/NHE300-630	1550.0	430.56	135.0	1480	665.0	800	86.0	5.6	Φ648	300	300
NHA/NHE400-500	1885.0	523.61	74.0	1480	450.0	560	88.0	6.2	Φ514	400	400
NHA/NHE400-560	2040.0	566.67	98.0	1480	620.0	710	88.0	7.5	Φ578	400	400
NHA/NHE400-630	2400.0	666.67	126.0	1480	920.0	1120	88.0	8.0	Φ648	400	400
NHA/NHE400-720	2770.0	769.44	169.5	1480	1420.0	1600	88.0	11.2	Φ728	400	400
NHA/NHE400-728	2620.0	727.78	72.5	980	580.0	710	90.0	4.2	Φ725	400	400

结构外形图

Structure Outside Drawing



主要零件表

Major Parts Table

序号 No.	名称 Name	序号 No.	名称 Name	序号 No.	名称 Name	序号 No.	名称 Name
1	泵体 Pump casing	6	联轴器罩 Coupling shell	11	密封 Seal	16	密封环 Seal ring
2	泵盖 Pump cover	7	底座 Foundation	12	机封压盖 Mechanical seal gland	17	叶轮 Impeller
3	轴承支架 Bearing bracket	8	电机 Motor	13	机械密封 Mechanical seal		
4	轴 Shaft	9	电机支脚 Motor feet	14	轴套 Shaft sleeve		
5	联轴器 Coupling	10	甩油环 Oil slinger	15	叶轮螺母 Impeller nut		

结构外形图

Structure Outside Drawing

配件表

Accessories Table

序号 No.	名称 Name	数量 Qty.	序号 No.	名称 Name	数量 Qty.
1	机封冲洗管路 Mechanical seal flushing line	1件 1 pc.	4	进、出口压力表 Inlet/outlet pressure gauge	各1个 1 each
2	油杯 Oil cup	1件 1 pc.	5	地脚螺栓 Foundation bolt	1套 1 set
3	进出口反法兰 Inlet/outlet counter flange	1套 1 set			

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Efficient chemical process pump, better energy conservation!