

We reserve the right to make technical modifications without prior notice!
保留不预先通知进行技术修改的权利！

因为努力，所以我们专业。因为专业，所以我们可靠。
因为可靠，所以客户满意。因为满意，我们铸就辉煌。
展望未来，上海水泵制造有限公司将秉承“**老品牌、新机制、高境界**”的发展理念，
奋力开启创新发展的新篇章。

Spare no efforts making us professional. Professionalism lead to our reliability.
The reliability win the satisfaction of our customers. Customers' satisfaction is our greatest success and motivation.
Prospect future, Shanghai Pump Manufacture Co., Ltd. will adhere to the development concept of "Traditional
and Famous Brand, New Mechanism, High Level", and strive to embark on a new chapter of innovative development.

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SHANGSHUI, SHANGBENG and SHENGBENGYUN
are all Chinese registered trademarks of SPMC



NLO凝结水泵

NLO SERIES OF CONDENSATE PUMP

新型筒袋式空间导叶立式凝结水泵
New Cylindrical Space Diffuser Type Vertical Condensate Pump



百年传承 泵业专家

Centuries of Inheritance Pump Industry Specialist

我们的承诺Our Commitments

客户的利益>本公司的利益

Customers' Benefit>Our Benefit

客户的需求=本公司需求

Customers' Demand=Our Demand

客户的风险<本公司风险

Customers' Risk<Our Risk

上海水泵制造有限公司

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官方网站
Website



样册资料
E-catalogs



官方抖音
Tik Tok



微信视频号
WeChat Video Channel

上海水泵制造有限公司
SHANGHAI PUMP MANUFACTURE CO., LTD



公司简介

上海水泵制造有限公司 (SPMC)是领先的流体系统供应商, 结合创新技术和优良服务, 为用户提供一体化的解决方案。

上海水泵制造有限公司专业生产各类泵产品, 是中国通用机械工业协会泵业分会副理事长单位、国家高新技术企业、上海市“专精特新”企业、产品获“上海名牌”称号, 在各应用领域享有很高的声誉。

上海水泵制造有限公司为以下行业提供专业服务: 能源、城市给排水和污水处理、工业、冶金、石油、化工、大型农田水利建设、楼宇、船舶工业等。包括泵系统相关设备调试、维修、升级改造、更换和技术咨询服务等。

上海水泵制造有限公司始终坚持“为客户创造更高价值”为宗旨, 实施国际化品牌战略, 着力提升产品的品质品位; 依托不断创新的技术、先进的经营理念和高素质的员工队伍, 为海内外用户提供安全、可靠、节能高效的泵类产品。

Company Profile

Shanghai Pump Manufacture Co., Ltd. (SPMC) is a leading supplier of Fluid Systems, who could combining innovative technology and excellent service to provide users with intelligent and integrated solutions.

SPMC specializing in the production of various types of pump products, and act as the vice-chairman unit of Pump Industry Branch of China General Machinery Industry Association, who has already become a national high-tech enterprise, also appraised as "New Special Expertise" enterprise in Shanghai, the products awarded as the title of "Shanghai Famous Brand". SPMC enjoys the very high prestige in various application fields.

SPMC provides professional services for many fields such as energy, urban water supply and drainage and sewage treatment, industrials, metallurgy, petroleum, chemical industry, large-scale irrigation and water conservancy construction, building, ship-building industry, and etc. And involves pump system related equipment installation, commissioning, maintenance, upgrading, improvement, replacement and technical consulting services, and etc.

SPMC always adhere the purpose for creating better value for customers, and implement international brand strategy, focus on improving the quality grade of the products. By continuous innovation of technology, advanced business philosophy and great teamwork to service for domestic and overseas users with secure, reliable, energy-saving and efficient pump products.

领先的流体系统供应商 P/01



公司资质/Qualification

◆ 营业执照Business License ◆ 国家高新技术企业证书 National High-tech Enterprise Certificate ◆ 上海名牌Shanghai Famous Brand

◆ 中国通用机械工业协会泵业分会副理事长单位
The Vice-chairman Unit of the Pump Industry Branch of China General Machinery Industry Association



P/02 The Leading Supplier of Fluid Systems

■ 概述

产品概述:新型筒袋式空间导叶立式凝结水泵
主要用途:输送凝结水(从凝汽器将凝结水加压至除氧器)
输送介质:冷凝水,一般温度≤80℃,泵进口压力<0.6MPa

General Description

New Cylindrical Space Diffuser Type
Vertical Condensate Pump
Main application: Transporting Condensate Water (pressurizing condensate water from the condenser to the deaerator)
Transmission medium: Condensate Water (with a general temperature of≤80℃, and pump inlet pressure<0.6MPa)

■ 结构设计 Structural Design

整体结构:立式安装筒袋
导叶形式:空间导叶/径向导叶
级数:多级叶轮
首级叶轮形式:单吸/单吸+诱导轮/双吸
次级叶轮:单吸
轴向力平衡:泵承受轴向力
驱动形式:电机驱动
联轴器:膜片联轴器/弹性柱销联轴器
轴承:可倾瓦推力轴承
机械密封:集装式机械密封/填料密封
安装形式:立式安装、进出口水平布置、成 180°,也可根据用户特殊要求成90°

Structural Design

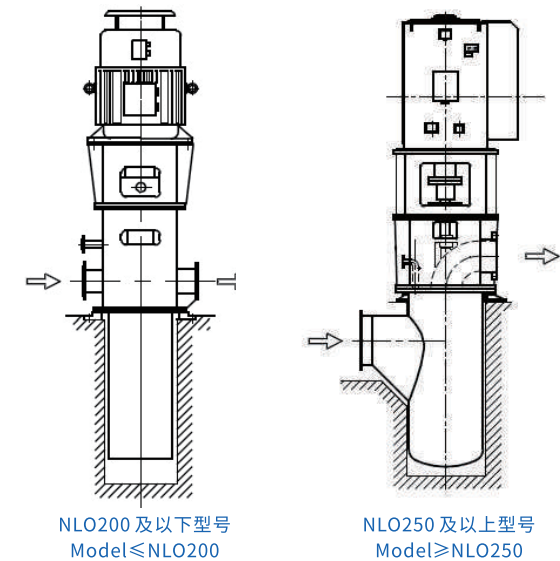
Overall Structure: Vertical Installation of Cylindrical Style
Diffuser Form: Space/Radial Diffuser
Number of Stages: Multi-stage Impeller
First Stage Impeller: Single Suction/Single Suction+Inducer/Double Suction
Secondary Impeller: Single Suction
Axial Force Balance: Pump Bear Axial Force
Drive Type: Motor Drive
Coupling: Diaphragm Coupling / Elastic Pin coupling
Bearings: Tilting Pad Thrust Bearings
Mechanical Seal: Integral Mechanical Seal/Packing Seal
Installation Style: Vertical installation, with the inlet and outlet arranged horizontally at a 180°angle, or can also be set at a 90°angle according to the special requirements of the user.

■ 参数范围Parameter Range

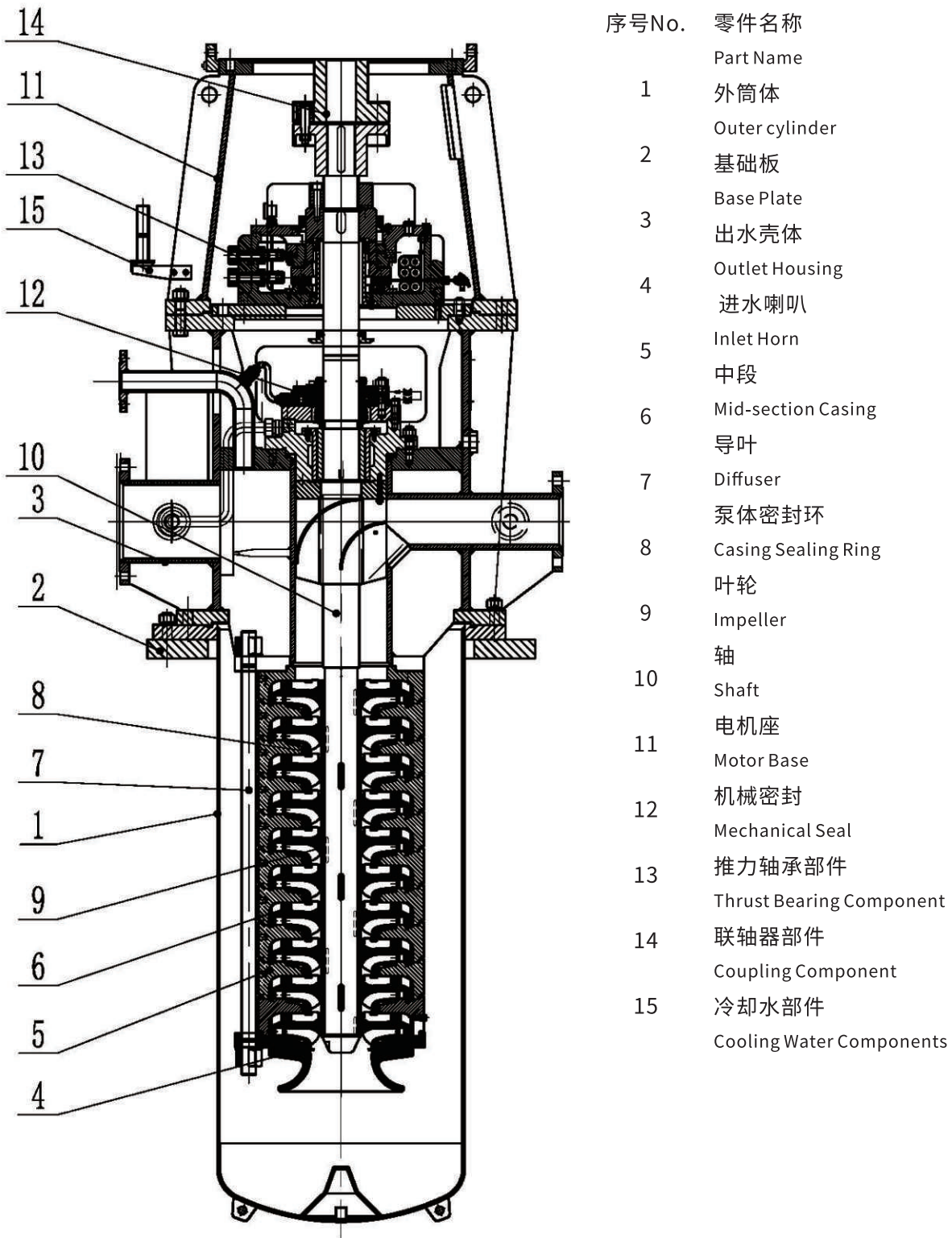
流量Capacity	Q(m³/h)	60~2600
扬程Head	H(m)	≤500
转速Speed	n(r/min)	1480

■ 型号定义Model Definition:
NLO450-580Sx4

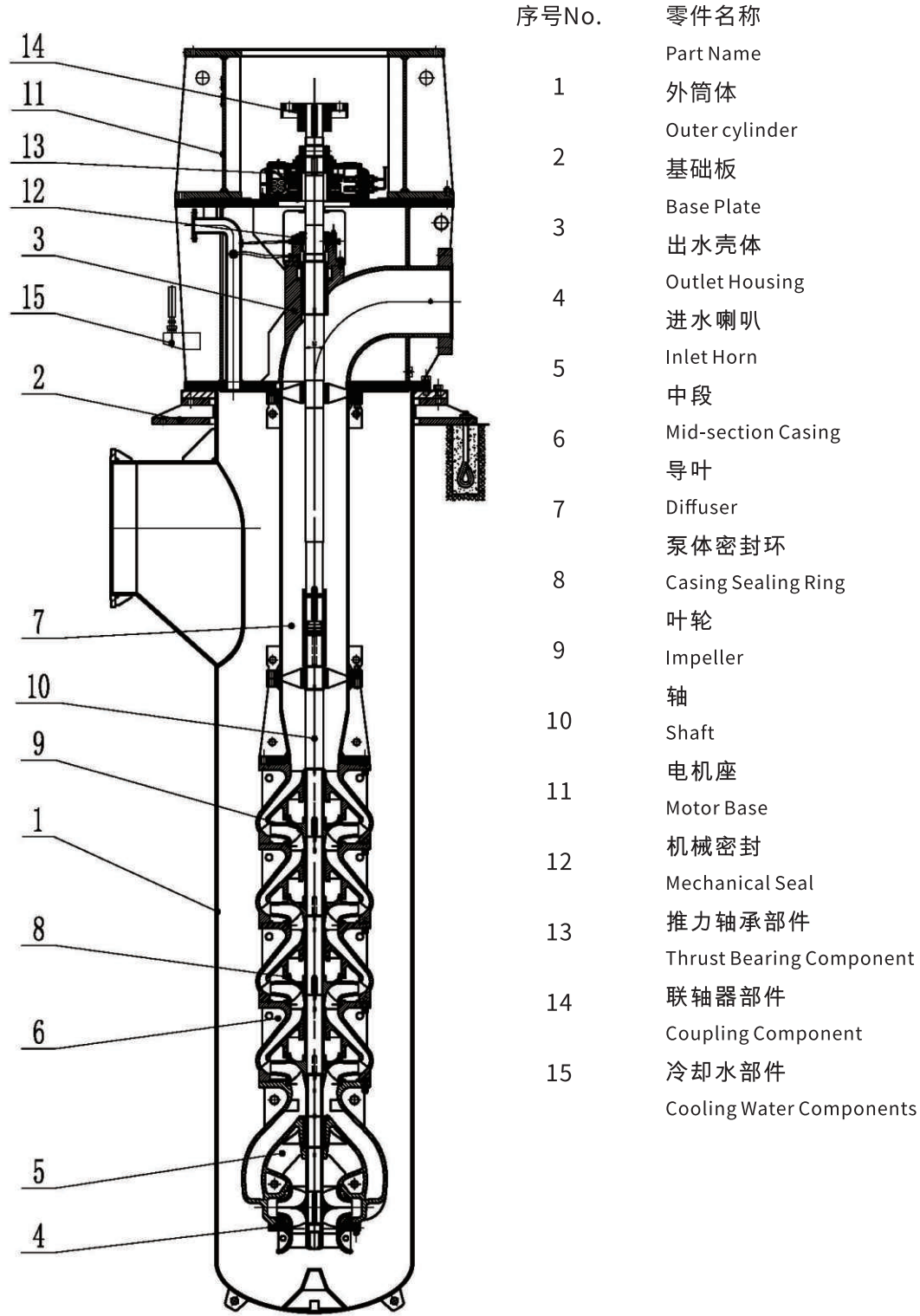
型号TYPE	定义Definition
NLO	系列型号Series & Model
450	出口名义直径Outlet Nominal Diameter
580	叶轮名义直径Impeller Nominal Diameter
G/S	首级叶轮形式First Stage Impeller Form
I	级数Stage Number(i=4)



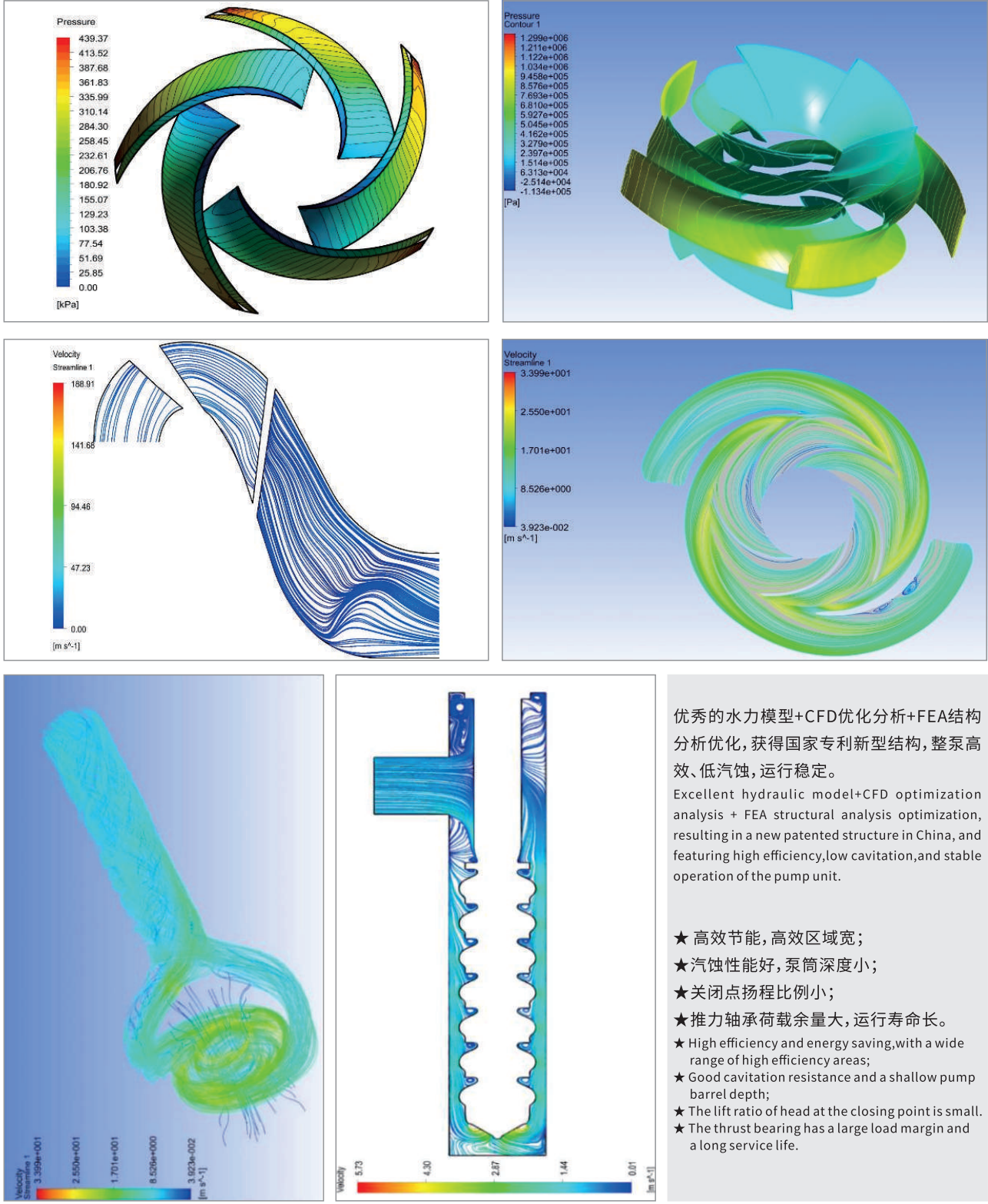
■ 结构图:NLO200及以下型号结构/Structure Drawing:≤NLO200 Models' Structure



■ 结构图:NLO250及以上型号结构/Structure Drawing:≥NLO250 Models' Structure



■ 产品优势/Product Advantages

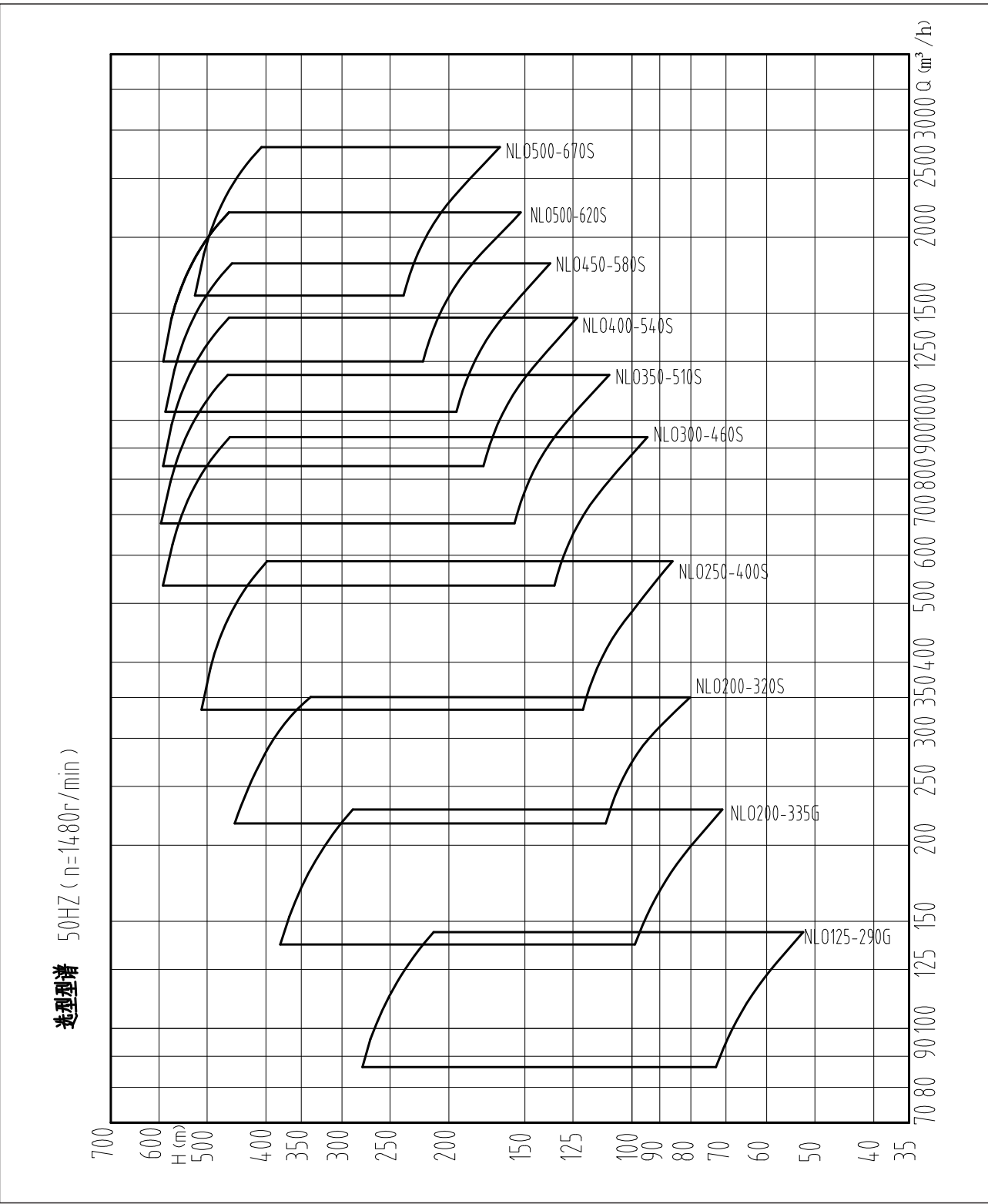


■ 优选材料/Preferred Materials

零件名称	Part Name	材料/Material	标准/Standard
外筒体	Outer Cylinder	Q235B	GB/T 700
基础板	Base Plate	Q235B	GB/T 700
出水壳体	Outlet Housing	Q235B	GB/T 700
电机座	Motor Base	Q235B	GB/T 700
直管	Straight Pipe	Q235B	GB/T 700
进水喇叭	Inlet Horn	QT500-7	GB/T 9439
双吸蜗壳体	Double-suction Volute Casing	QT500-7	GB/T 9439
导叶壳体	Diffuser Casing	QT500-7	GB/T 9439
诱导轮	Inducer	ZG0Cr13Ni4Mo (CA-6NM)	GB/T 2088
首级叶轮	First-stage Impeller	ZG0Cr13Ni4Mo (CA-6NM)	GB/T 2088
次级叶轮	Secondary Impeller	ZG15Cr13	GB/T 1221
泵轴	Pump Shaft	35CrMo/40Cr/40CrNiMo	GB//T 3077
刚性联轴器	Rigid Coupling	14Cr17Ni2	GB/T 1220
轴套	Shaft Sleeve	14Cr17Ni2	GB/T 1220
导轴承	Guide Bearing	Ac-3	/
推力柱	Thrust Column	20Cr13	GB/T 1221
推力瓦块	Thrust Pads	巴氏合金Babbitt Metal	/

- ★ 优秀的转子特性,泵结构紧凑,转子刚性好,可满足不同的变频运行工况。
- ★ 防咬合、耐磨泵体密封环结构,确保运行可靠性。
- ★ 自润滑、高耐磨可倾瓦滑动轴承结构,确保泵平稳运行、维修周期长。
- ★ 集装式机封结构便于安装、检修。
- ★ With excellent rotor characteristics,the pump boasts a compact structure and good rotor rigidity,and could meet different variable frequency operating conditions.
- ★ Anti-biting and wear-resistant casing sealing ring structure ensures operational reliability.
- ★ Self-lubricating, highly wear-resistant tilting pad sliding bearing structure ensures the pump operates smoothly and has a long maintenance cycle.
- ★ The integral type mechanical seal structure is convenient for installation and maintenance.

■ 选型型谱/Model Selection Spectrum



■ 型号及参数/Model and Specifications

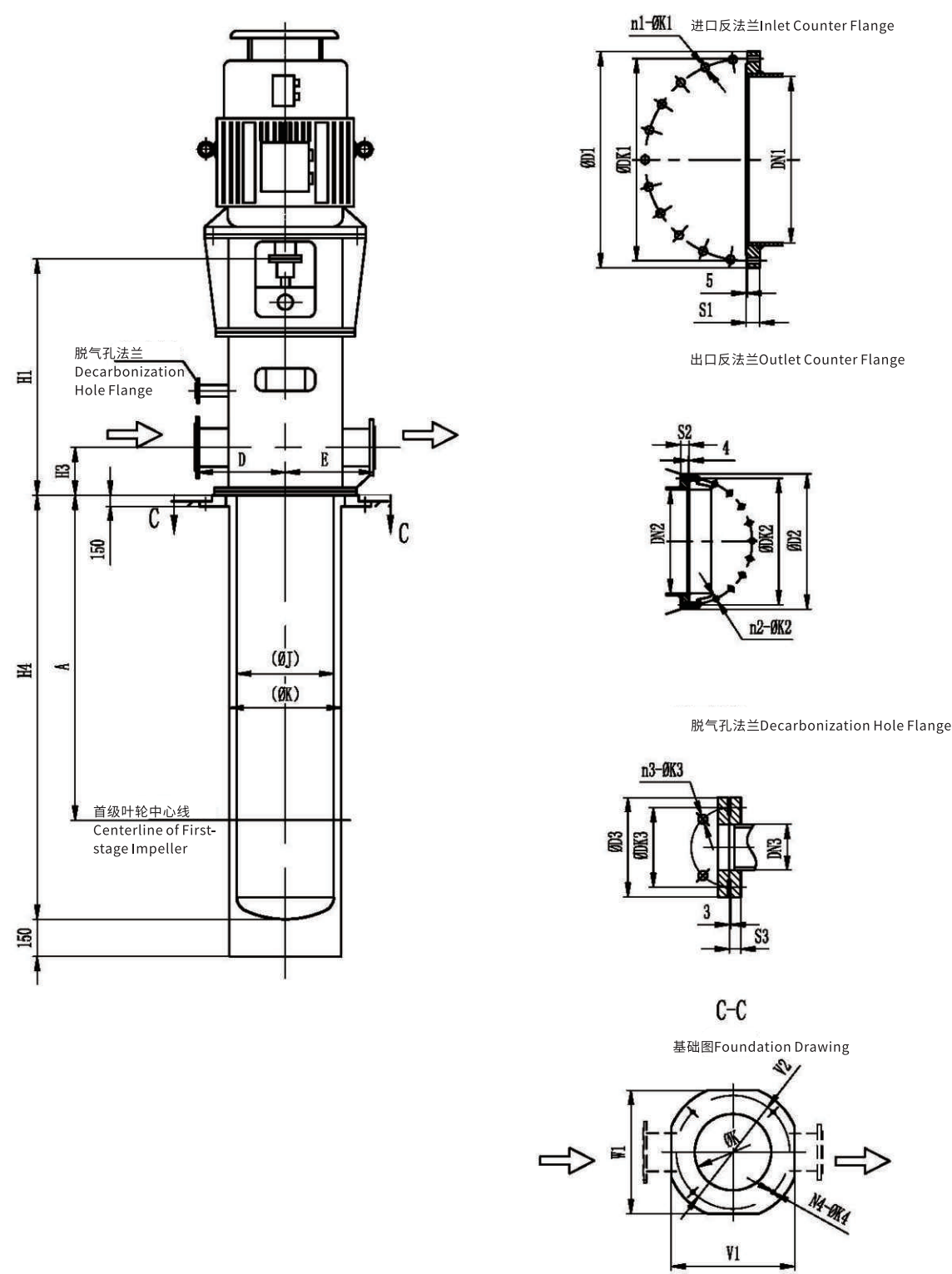
泵型号 Pump Model	流量 Capacity Q(m³/h)	扬程Head H(m)	效率Eff. η(%)	必须汽蚀余量 NPSHr(m)	转速Speed n(r/min)	轴功率 Shaft Power (kw)	电机功率 Motor Power (kw)	重量 Weight (kg)
NLO125-290G×4	120	95	75	0.91	1480	41.4	75	3173
5		120				52.3	75	3234
6		145				63.2	75	3295
7		170				74.0	110	3356
8		195				84.9	110	3417
9		220				95.8	132	3478
10		245				106.7	132	3540
11		270				117.6	160	3665
12		295				128.5	160	3790
NLO200-335G×4	190	129	77	1.23	1480	86.7	110	2750
5		163				109.5	132	2900
6		197				132.3	185	3050
7		231				155.2	185	3200
8		265				178.0	220	3350
9		299				200.8	250	3500
10		333				223.7	250	3650
11		367				246.5	315	3800
12		401				269.4	315	3950
NLO200-320S×5	300	145	80	2.2	1480	149.9	185	5460
6		174				179.9	220	5620
7		203				209.9	250	5780
8		232				239.8	315	5940
9		261				269.8	355	6100
10		290				299.8	400	6260
11		320				330.8	400	6420
NLO250-380S×4	390	163	81.3	1.27	1480	212.9	250	3720
5		208				271.6	315	3900
6		253				330.4	400	4080
7		298				389.1	450	4260
8		343				447.9	500	4440

■ 型号及参数/Model and Specifications

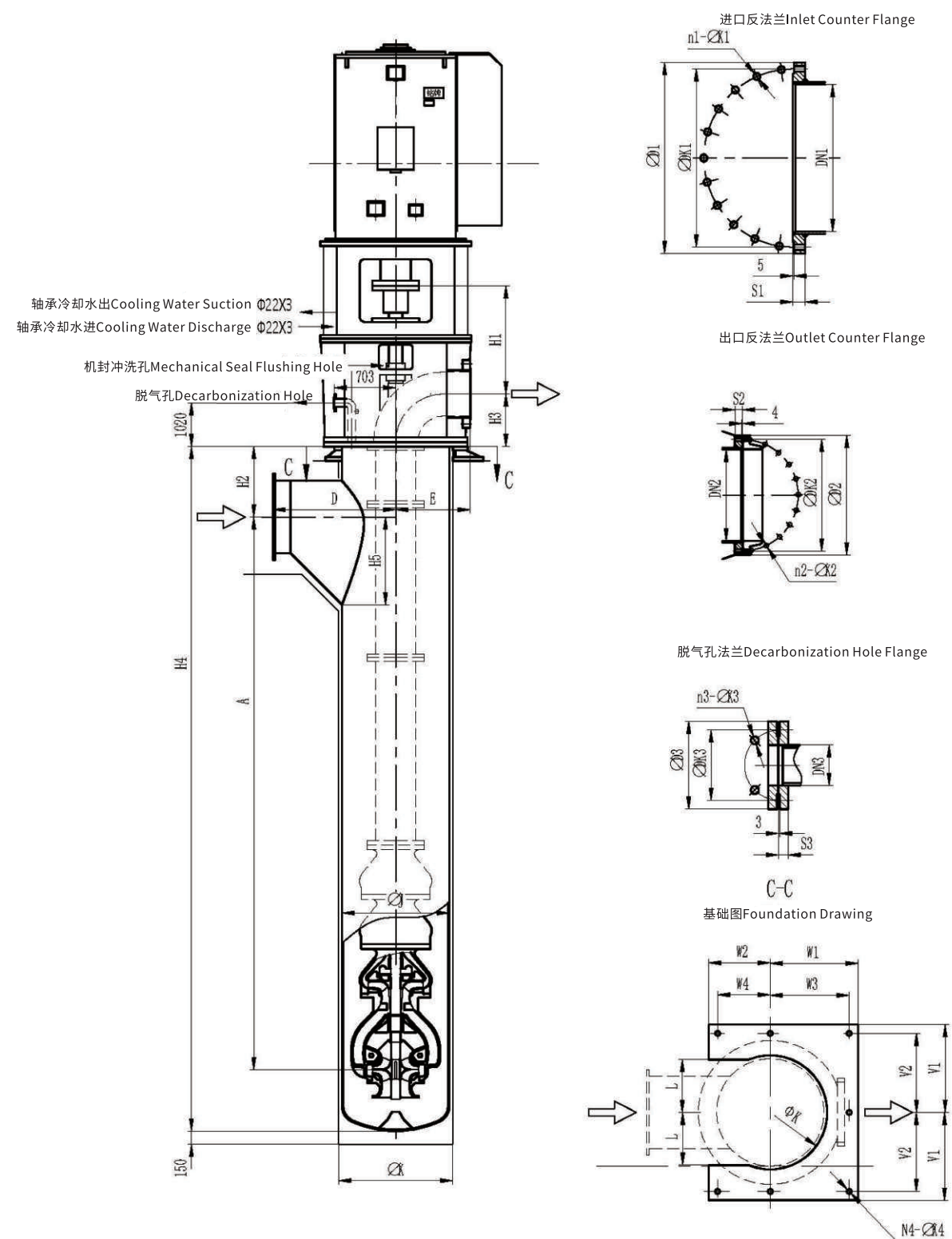
泵型号 Pump Model	流量 Capacity Q(m³/h)	扬程Head H(m)	效率Eff. η(%)	必须汽蚀余量 NPSHr(m)	转速Speed n(r/min)	轴功率 Shaft Power (kw)	电机功率 Motor Power (kw)	重量 Weight (kg)
NLO250-400S×4	470	187	81.3	1.42	1480	294.3	355	3530
5		238.8				376.1	450	3720
6		290.6				458.0	550	3910
7		342.4				539.8	630	4100
8		394.2				621.6	710	4290
NLO300-460S×3	710	156	82	1.65	1480	305.6	355	5540
4		216				423.1	500	5780
5		276				540.6	630	6020
6		336				658.1	710	6260
7		396				775.6	900	6500
8		456				893.2	1125	6740
NLO350-510S×3	950	216	83.7	2.3	1480	667.4	800	6925
4		299				923.8	1120	7200
5		382				1180.3	1400	7475
6		465				1436.7	1700	7750
NLO400-540S×3	1180	249	84	2.6	1480	952.2	1125	10370
4		345				1319.3	1600	10800
5		441				1686.4	2000	11233
NLO450-580S×3	1450	286	85	3	1480	1328.1	1600	10950
4		396				1838.9	2200	11400
NLO500-620S×3	1760	325	85.5	3.4	1480	1821.2	2100	14100
4		450				2521.6	3000	14300
NLO500-620SA×3	2000	310	84.5	3.5	1480	2021.2	2600	14300
4		435				2836.3	3400	14600
NLO500-670S×3	2250	383	85.3	4	1480	2750.1	3300	14500
4		530				3805.7	4500	14850

注:以上数据基于GB/T3216标准验收条件下的参数值。
Note: The above data are based on the parameters under the acceptance conditions specified in GB/T 3216 standard.

■ 外形安装尺寸NLO200 及以下型号/Outline Installation Dimensions for Models ≤ NLO200



■ 外形安装尺寸NLO250 及以上型号/Outline Installation Dimensions for Models ≥ NLO250



外形安装尺寸表/Outline Installation Dimensions Table

型号Model	A	H1	H2	H3	H4	H5	D	E	J	K	L	V1	V2	W1	W2	W3	W4	N	Φ K	Dn1	D1	Dk1	n1	K1	S1
																				DN2	D2	DK2	n2	K2	S2
																				DN3	D3	DK3	n3	K3	S3
NLO125-290G	1880				2400				720	820		1050	1050							300	440	395	12	22	24
		1580	/	320																125	270	220	8	26	28
																				50	140	100	4	14	16
NLO200-335G	2280				2800	/	600	600	820	920	/	1100	1100		/	/	/	36	4	400	540	495	16	22	28
																				200	375	320	12	30	36
																				50	140	100	4	14	16
NLO200-320S	3500	1540	/	320	4100				720	820		1240	1140							300	440	395	12	22	24
																				200	375	320	12	30	36
																				50	140	100	4	14	16
NLO250-380S																				500	645	600	20	20	30
NLO250-400S	2600	1300	700	345	3750	550	800	600	720	820	320	650	550	650	650	550	550			250	450	385	12	30	42
																				50	140	100	4	14	16
NLO300-460S	2700	1060	700	345	3750	600	800	550	820	920	350	650	550	650	650	550	550	36	7	600	755	705	20	26	32
																				300	515	450	16	33	52
																				50	140	100	4	14	16
NLO350-510S	3500	1160	800	390	4850	710	1000	650	1020	1120	350	770	700	770	770	700	700			700	860	810	24	26	40
																				350	580	510	16	36	58
																				50	140	100	4	14	16
NLO400-540S									1020	1120	600	900	800	900	650	800	550			800	975	920	24	30	42
																				400	650	571.5	20	35	56
																				80	190	150	4	16	18
NLO450-580S	4200	1232	800	600	5700	862	1280	850	1220	1320	600	1000	900	1000	700	900	600			800	975	920	24	30	42
																				450	710	628	24	35	58
																				80	190	150	4	16	18
NLO500-620S																				800	975	920	24	30	42
NLO500-620SA									1220	1320	600	1000	900	1000	700	900	600			500	775	685.8	24	35	62
																				80	190	150	4	16	18
NLO600-670S	4600	1320	800	700	6200	862	1280	900	1380	1480	600	1050	950	1050	750	950	650			900	1075	1020	24	30	48
																				600	915	812.8	24	42	68
																				80	190	150	4	16	18

注:以上尺寸均为参考,具体安装尺寸以提供外形安装尺寸图为准;DN1、DN2、DN3均为名义尺寸。
Note: The above dimensions are for reference only, the actual installation dimensions should be based on the provided outline installation dimension drawings.
DN1, DN2, and DN3 be all nominal dimensions.

因为努力，所以我们专业
因为专业，所以我们可靠
因为可靠，所以客户满意
因为满意，我们铸就辉煌

Hard working makes us professional
Being professional makes us reliable
Being reliable makes customer satisfied
Customer's satisfaction brings us future

>>

配套附件Complementary Accessories

★电机
Motor
★联轴器组件
Coupling Assembly
★进口滤网
Inlet Filter
★仪器仪表
Instrumentation and Meters
★接线盒
Junction Box
★备品备件
Spare Parts

供货范围Scope of Supply

标准设计Standard Design

★泵、电机底座
Pump、Motor Base
★预埋件、地脚螺栓以及垫铁
Embedded parts, Anchor Bolts and Sizing Block
★外筒体
Outer Cylinder
★泵与反法兰、底座连接紧固件、垫片等
Connection Fasteners & Gaskets between the Pump and the Counter Flange、the Base, etc

发明专利证书

实用新型专利证书

★注:保留不预先通知进行技术修改权

Note:Reserve the right to make technical modifications without prior notice!

P/14 The Leading Supplier of Fluid Systems