



威乐中国官方微信 威乐中国官方微博

楼宇，市政供水及一般工业

Wilo-NL/NLG

卧式端吸离心泵

Wilo-NL/NLG/1612/EN/CHN

威乐（中国）水泵系统有限公司

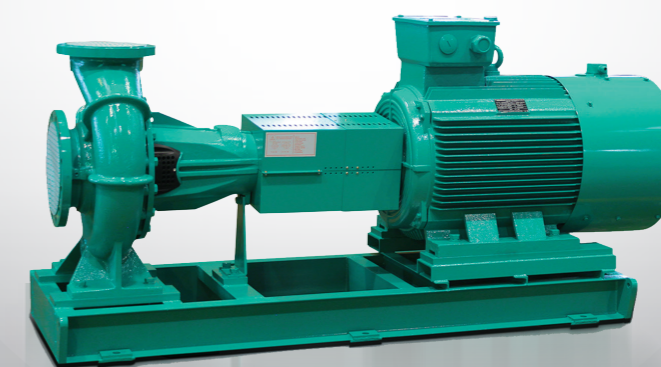
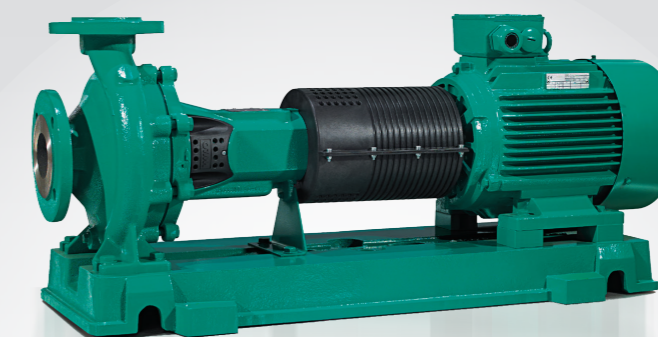
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“威乐，  
值得信赖的  
水泵专家。”



威乐端吸泵NL/NLG系列，遵循威乐百年制泵理念，产品安全、高效、环保。叶轮可根据客户使用环境采用铸铁或青铜材质。泵体与电机之间采用易拆卸短节结构，便于水泵维护保养。水封选用弹簧式机械密封或无需冷却的填料函密封，具有定位准确，可靠性高，方便维护等特点。NL/NLG系列端吸泵可广泛应用于供热、空调系统、循环系统、供水系统、消防喷淋系统等。

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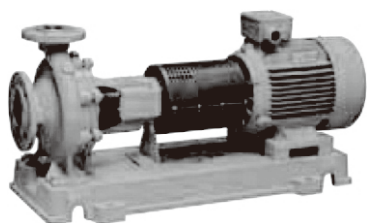
Wilo-NL/NLG

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## Wilo-NL

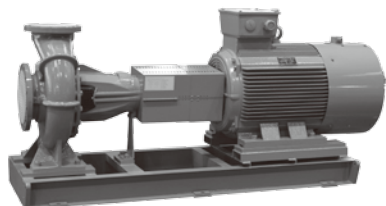
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Series description	系列说明	1
Technical data	技术参数	4
Pump curves	性能曲线	
2 Pole	2极(电机)	7
4 Pole	4极(电机)	14
Dimensions and weights	外形尺寸及重量	24

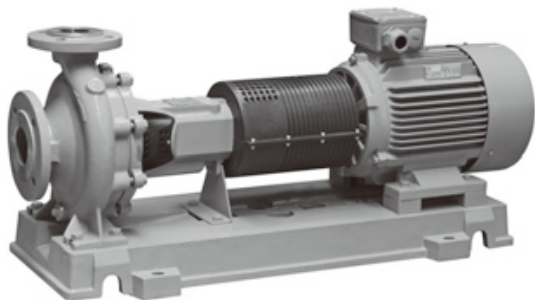
## Wilo-NLG

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Series description	系列说明	36
Technical data	技术参数	39
Pump curves	性能曲线	42
Dimensions and weights	外形尺寸及重量	45

## Series description Wilo-NL 系列说明



### Wilo-NL

Baseplate pump with axial suction, in accordance with EN 733 (previously DIN 24255)/EN 22858 and ISO 5199

### Application

- Pumping clean or slightly contaminated water (max. 20 ppm) without solid matter for circulation, transfer and pressure boosting purposes.
- Pumping heating water in accordance with VDI 2035, water-glycol mixtures, cooling/cold water and industrial water.
- Applications in municipal water supply, irrigation, building services, general industry, power stations, etc.

### Scope of delivery

- Pump with bare shaft end or
- Pump on baseplate with coupling and coupling protection, without motor or
- Completely mounted pump on baseplate with electric motor
- Housing: EN-GJL 250 – grey cast iron; impeller: EN-GJL 250 – grey cast iron or CC480K-GS-bronze; mechanical seal or stuffing box; standard coupling or spacer coupling
- Installation and operating instructions

### Type key

Example	NL 40/160-4/2
NL	Norm pump
40	Nominal diameter in DN
160	Nominal impeller diameter
4	Nominal motor power $P_2$ in kW
2	Number of poles

### Special features/product benefits

- Burgmann mechanical seal with conical seal chamber
- Branded shaft protection
- SPM connections for vibration and temperature sensors
- Shaft deflection in accordance with the DIN ISO 5199
- Greased for life 2Z oversized ball bearings

### Wilo-NL

卧式端吸离心泵，符合 EN 733 标准（原 DIN 24255 标准）/EN 22858 和 ISO 5199 标准

### 应用

- 泵送洁净或不含固体颗粒的微污染水（最大 20 ppm），用于循环，输送和增压供水。
- 泵送水质要求符合 VDI 2035 标准的热热水，水 - 乙二醇混合液，冷却水 / 冷水和工业用水。
- 应用在市政供水，灌溉，楼宇，一般工业，电站等。

### 供货范围

- 泵头
- 泵头、底座、联轴节和联轴节防护罩，不配电机
- 由泵头，联轴节、联轴节防护罩电机和底座组成的整泵
- 泵体：EN-GJL 250 – 灰铸铁；  
叶轮：EN-GJL 250 – 灰铸铁或 CC480K-GS- 青铜；机械密封或填料函；标准联轴节或易拆卸短节
- 安装及操作维护说明书

### 型号

例	NL 40/160-4/2
NL	卧式端吸离心泵
40	公称直径 DN
160	名义叶轮直径
4	电机额定功率 $P_2$ (kW)
2	电机极数

### 产品特点/优点

- 博格曼机械密封，锥形密封室
- 轴保护
- SPM 振动检测接口和温度传感器
- 轴挠度符合 DIN ISO 5199 标准
- 放大尺寸的深沟球轴承



## Series description Wilo-NL 系列说明

### Materials

- Pump housing
  - Grey cast iron spiral with anti-rotation ribs.
  - With axially aligned suction piece and radial pressure ports and cast assembly feet.
  - Dimensions and hydraulics are in accordance with DIN EN 733/DIN EN 22858
  - Flange PN 16 in accordance with DIN 2533
- Standard mechanical shaft seal AQ1EGG for water up to 120°C
- Stuffing box for water up to 110°C

### Description/design

- Single-stage low-pressure centrifugal pump as baseplate pump with axial suction piece with flanged bearing bracket and axis mounting for flexibly coupled drives.
- Spacer coupling (sleeve coupling) available as an option; they make it possible to leave the motor in position when removing the rotor unit.
- Shaft deflection meets the requirements of ISO 5199.

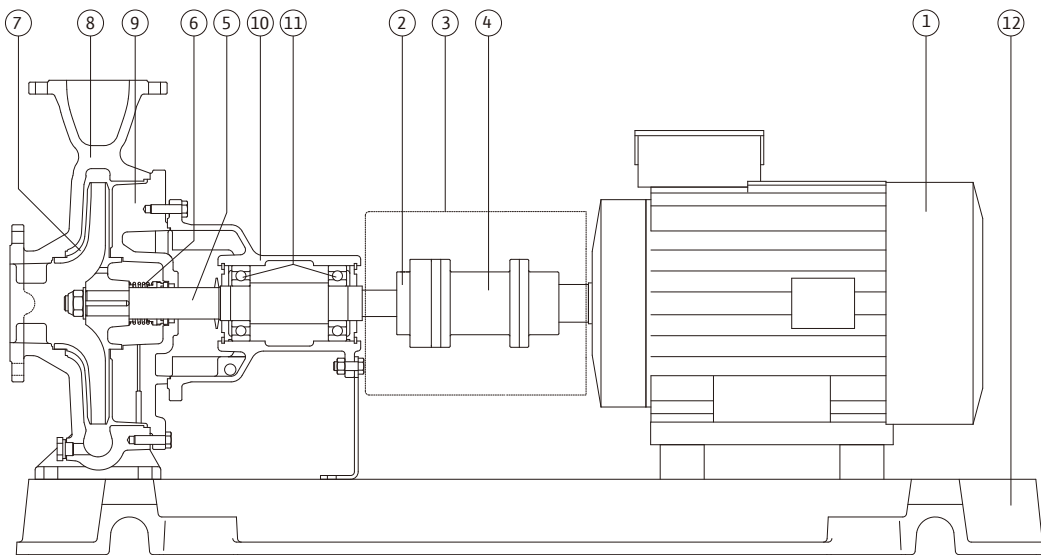
### 材质

- 泵体
  - 灰铸铁蜗壳。
  - 轴向进水，径向出水。
- 尺寸和性能符合 DIN EN 733/DIN EN 22858 标准
- 法兰承压 PN 16 符合 DIN 2533 标准
- 标准机械密封 AQ1EGG 最高允许水温 120°C
- 填料函密封的最高允许水温 110°C

### 设计说明

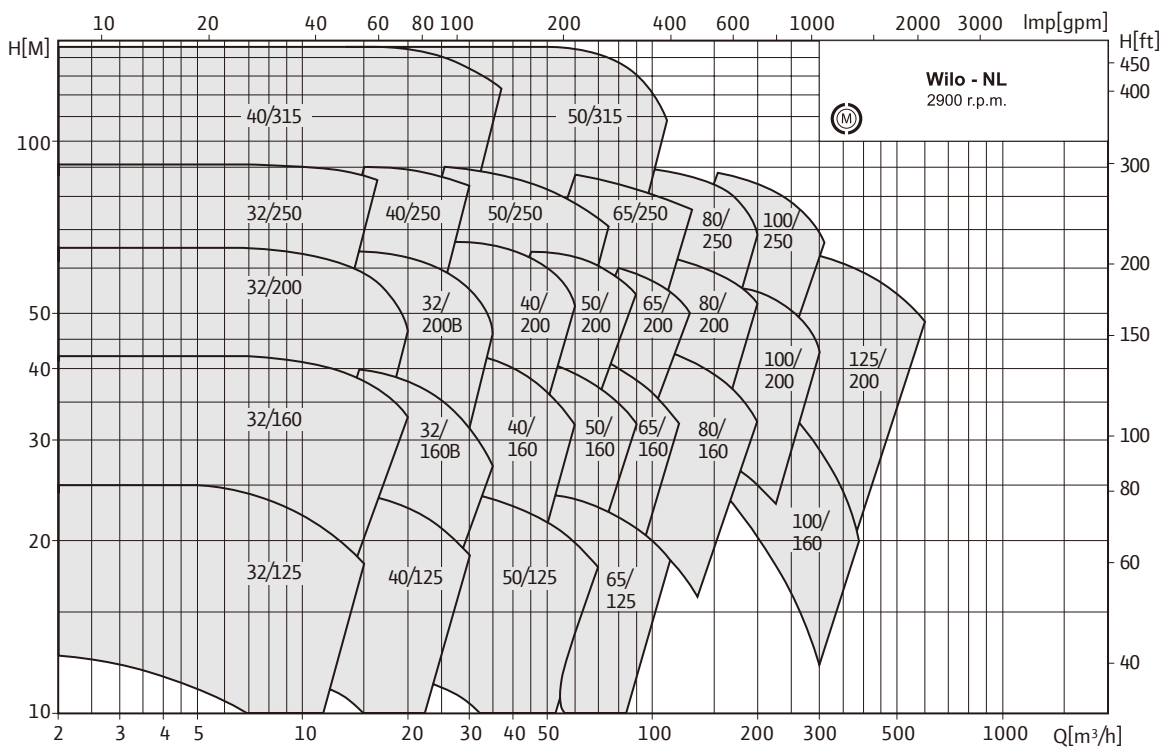
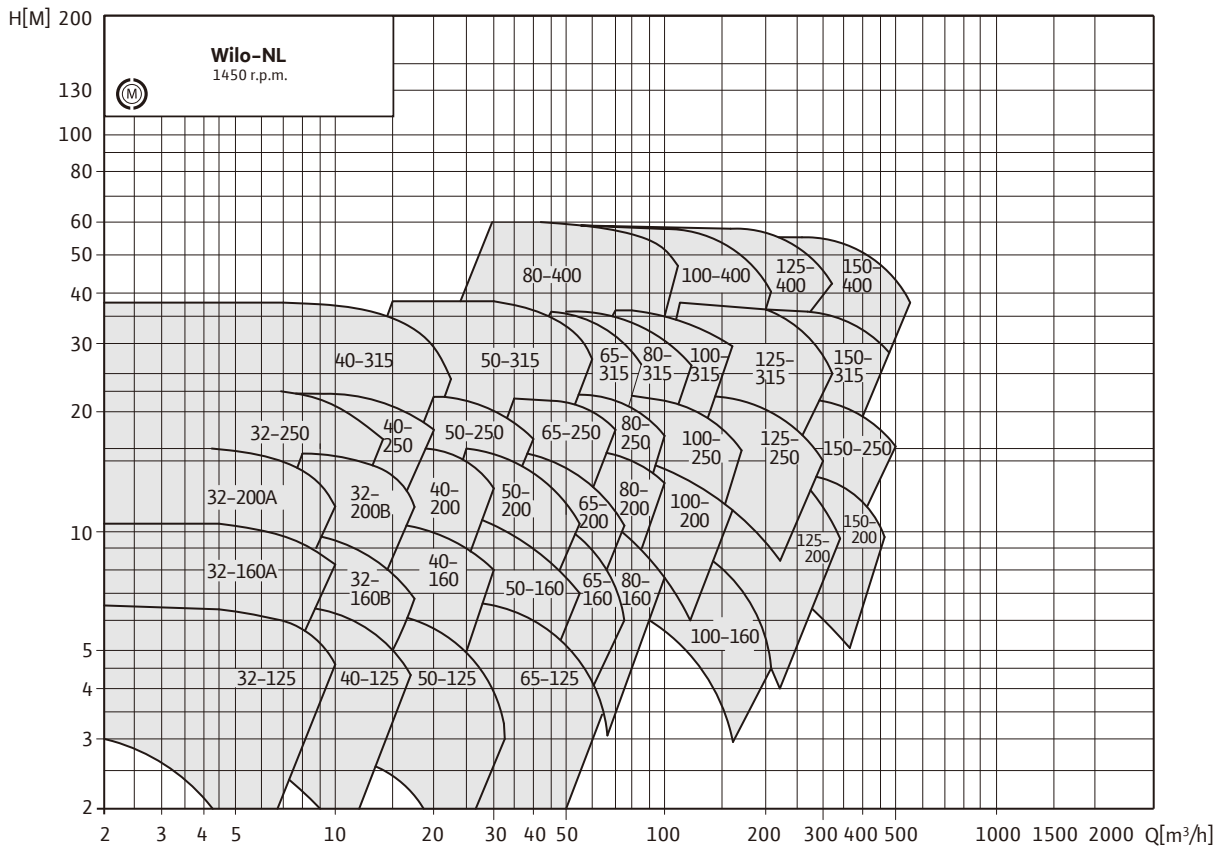
- 卧式单级低扬程端吸离心泵，带轴承架和挠性联轴节，装于底座之上。
- 配有易拆卸短节；在移动转子组时留有足够的拆卸空间，不需移动电机。
- 轴挠度满足 ISO 5199 要求。

### Section drawing 水泵结构图



1	Motor	电机	7	Impeller	叶轮
2	Coupling	联轴节	8	Pump housing	泵体
3	Coupling protection	联轴节防护罩	9	Housing cover	端盖
4	Spacer	易拆卸短节	10	Bearing bracket	轴承架
5	Shaft	泵轴	11	Roller bearing	轴承
6	Mechanical seal	机械密封	12	Baseplate	底座

Wilo-NL 总特性曲线



Technical data Wilo-NL		技术参数	
		Wilo-NL	
<b>Approved fluids (other fluids on request) 允许的输送介质(其他介质请来函咨询)</b>			
Heating water (in acc. with VDI 2035)	供暖热水(符合VDI 2035 标准)	•	
Cooling and cold water	冷却水和冷水	•	
Water-glycol mixtures (for 20-40% vol. glycol and fluid temperature $\leq 40^{\circ}\text{C}$ ) 水-乙二醇混合液 (乙二醇溶液体积含量20-40%, 且温度 $\leq 40^{\circ}\text{C}$ )		•	(from 10 vol.% glycol: performance check required up to 50% glycol: mechanical seal on request) (乙二醇含量超过10%: 性能参数需重新调整; 溶液体积含量达50%: 机械密封请来函咨询)
<b>Permitted field of application 应用范围</b>			
Max. operating pressure at fluid temperature of $+120^{\circ}\text{C}$ [bar]	介质温度 $120^{\circ}\text{C}$ 时最大工作压力		16
Temperature range [ $^{\circ}\text{C}$ ]	温度范围 [ $^{\circ}\text{C}$ ]		$-20 \sim +120^{\circ}\text{C}$
Max. ambient temperature [ $^{\circ}\text{C}$ ]	最高环境温度		$+40^{\circ}\text{C}$
<b>Pipe connections 管路连接</b>			
Nominal connection diameters DN on suction side: on pressure side:	连接管径 DN 进口端 出口端		50-150 (larger nominal diameters on request) (其他口径请来函咨询) 32-125 (larger nominal diameters on request) (其他口径请来函咨询)
Flanges (according to EN 1092-2)	法兰承压(符合 EN 1092-2)		PN16
<b>Materials 材质</b>			
Pump housing	泵体	•	EN-GJL-250 铸铁
Lantern	灯笼架	•	EN-GJL-250 铸铁
Impeller (standard)	叶轮(标准)	•	EN-GJL-250 铸铁
Impeller (special version)	叶轮(特殊)	-	bronze CuSn8 青铜
Pump shaft	泵轴	•	X20Cr13 不锈钢
Mechanical seal	机械密封	•	AQ1EGG (carbon/silicon carbide/EPDM) 碳化硅/石墨
Other mechanical seals	其他机械密封	-	on request (depending on the pumped liquid) 其他(来函咨询)
Non-cooled stuffing box	无需冷却的填料函	-	version at no additional charge 无需加价
<b>Electrical connection 电气连接</b>			
Speed range [rpm]	转速 [rpm]	•	1450/2900
Speed range (special version at additional charge) [rpm]	转速(另需加价) [rpm]	•	950
<b>Motor/electronics 电机</b>			
Factory standard IEC motor	IEC 电机	•	
West European brand production	西欧品牌电机	-	special version at additional charge 另需加价
Protection class	防护等级	•	IP55
Insulation class	绝缘等级	•	F
PTC thermistor sensor	PTC 热敏电阻传感器	-	tripping unit required 配继电器
Motor protection required onsite	现场需配电机保护	-	(To be provided for onsite installation) (现场由其它方提供)

End-suction pumps  
卧式端吸离心泵

Technical data Wilo-NL		技术参数	
		Wilo-NL	
Energy efficiency class	能效等级		CL 2 (IE 2 at additional charge) 国标能效2级(配置IE 2电机另需加价)
Speed control	转速控制	-	Wilo control devices external frequency converter (additional charge) Wilo 控制装置,变频器(另需加价)
Motor winding up to 3kW	电机绕组 ≤ 3kW	•	220 V /380 VY, 50 Hz
Motor winding from 4kW	电机绕组 ≥ 4kW	•	380 V /660 VY, 50 Hz
Other voltages/frequencies	其他电压/频率	-	Special version at additional charge 另需加价
Direct current	直流电机	-	Special version at additional charge 另需加价
Explosion-protected versions	防爆电机	-	Special version at additional charge 另需加价

- = available 标准配置
- = not available 可选用

Technical data 技术参数

水泵混凝土基础  
Plinth Mounting of Pumps

水泵的正确安装和稳固的基础是水泵低噪音的重要因素。  
The correct planning and execution of stable concrete foundations is a deciding factor for the low-noise operation of pumps.

为增加设备质量和消除不平衡受力，建议水泵底座和混凝土基础之间采用直接固定连接的方式。

To increase the stabilizing mass and to compensate for unbalanced forces it is recommended to allow a direct and rigid connection between the pump unit and the base block.

为确保水泵振动不传递给建筑结构，水泵基座应与建筑结构用弹性件隔离。

To ensure that no vibration is transmitted to the building structure it is however required to isolate the base block itself from the building structure by means of an elastic isolator.

隔离物的种类、数量的选择取决于不同的因素，例如：旋转速度、设备重量和重心，建筑结构和管路的外部影响等等。

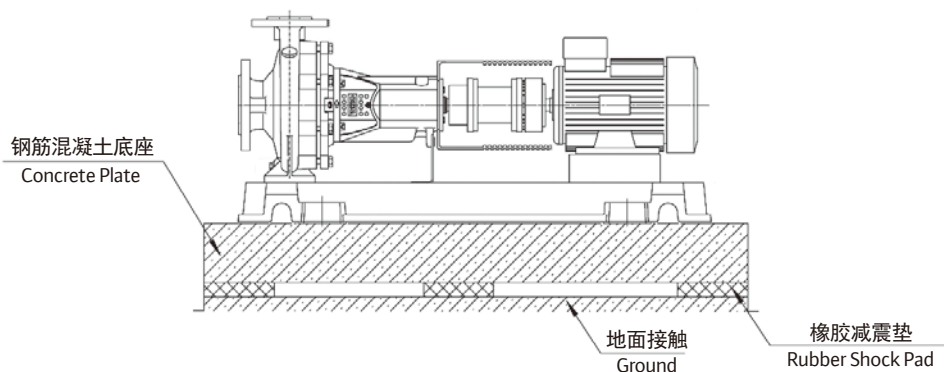
Selection of the kind and material of the isolator depends on a number of different factors (and areas of responsibility), including speed, unit mass and centre of gravity, the building structure (architect) and other external influences by the pipework, etc. (Planning engineers/installation company).

特别提醒：为保证水泵合理的隔声、减噪，请向有关专业人士咨询基础的设计。

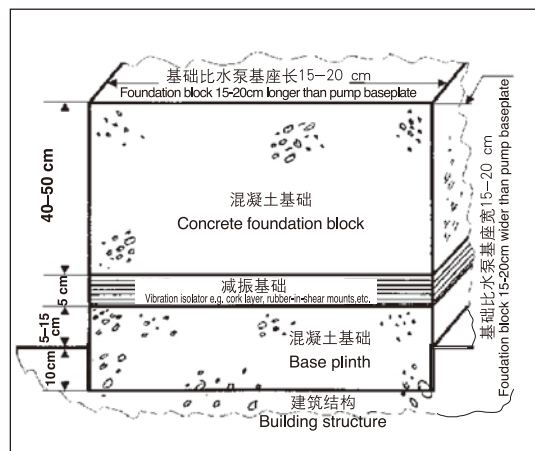
It is highly recommended—in order to cover all aspects of relevant building and acoustical criteria to employ a qualified acoustics consultant to advise on the planning and execution of equipment foundations.

基础的外形尺寸应比水泵底座的外形尺寸每边各增加15–20cm。  
Length and width of the foundation block should be approx. 15 to 20 cm larger than the outer dimensions of the pump baseplate.

水泵安装示意图 Installation Chart



水泵基础示意  
Pump Base Construction



浇灌基础时注意避免在基础与混凝土基座之间产生声桥。

When pouring the base plinth care must be taken to avoid any sound bridges (plaster, tiles, ancillary construction, etc.) between the base plinth and the base block.

安装水泵管路时要避免水泵承受其他外力。建议在水泵进、出口管路附近安装管路固定装置。

The consultant/contractor has to take care that pipe connections to the pump are made free of stress on the pump body and without any influences from mass and oscillating forces. It is recommended to firmly anchor the pipework at the suction and discharge ports of the pump.

水泵安装完成后注意要进行水泵的对中调整。

After installing flexibly coupled pumps in position it is necessary to properly align the baseplate and the thereon mounted pump with coupling and motor (on site by others).

建议由威乐公司售后服务人员负责水泵试车。

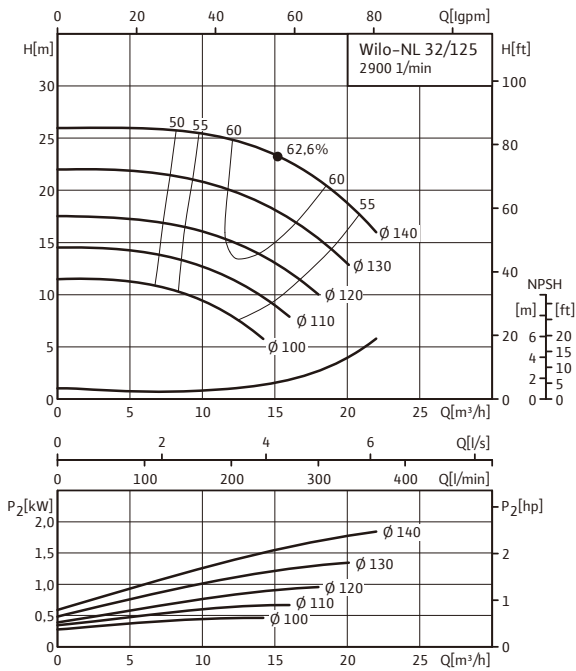
Commissioning the pump by the Wilo Service is recommended.



Pump curves Wilo-NL(2-pole) 性能曲线

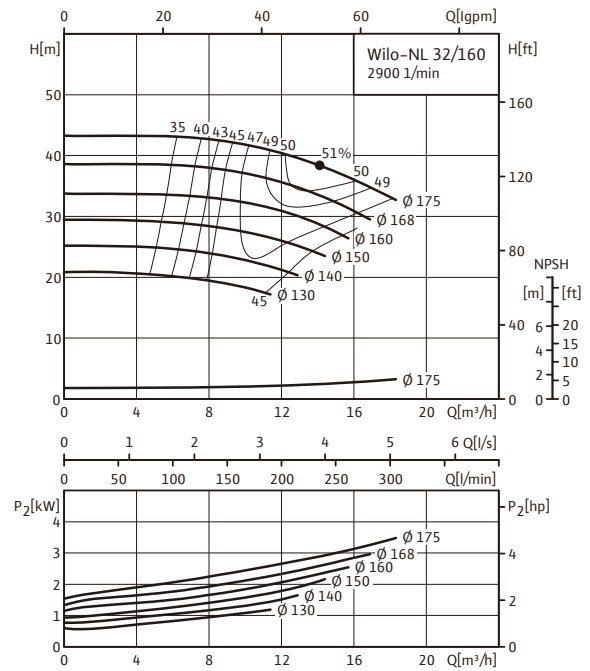
Wilo-NL 32/125

Speed 2900 rpm



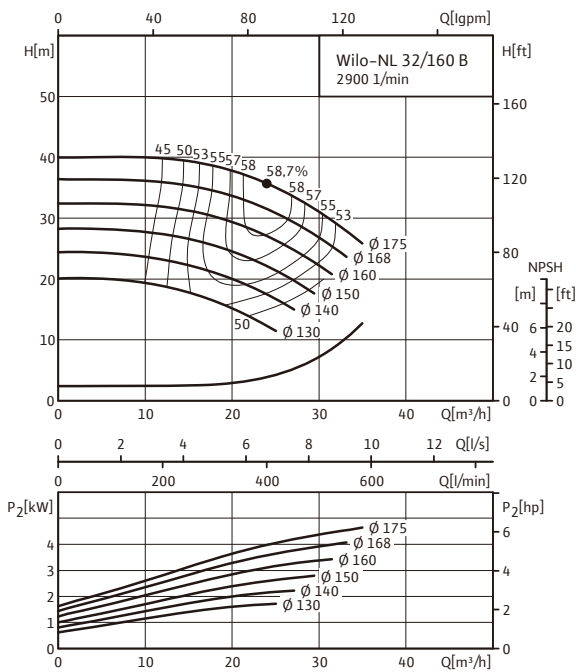
Wilo-NL 32/160

Speed 2900 rpm



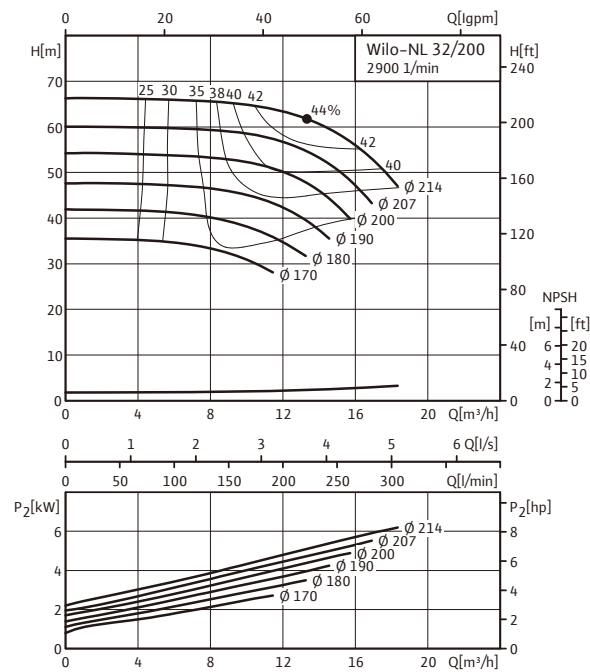
Wilo-NL 32/160B

Speed 2900 rpm



Wilo-NL 32/200

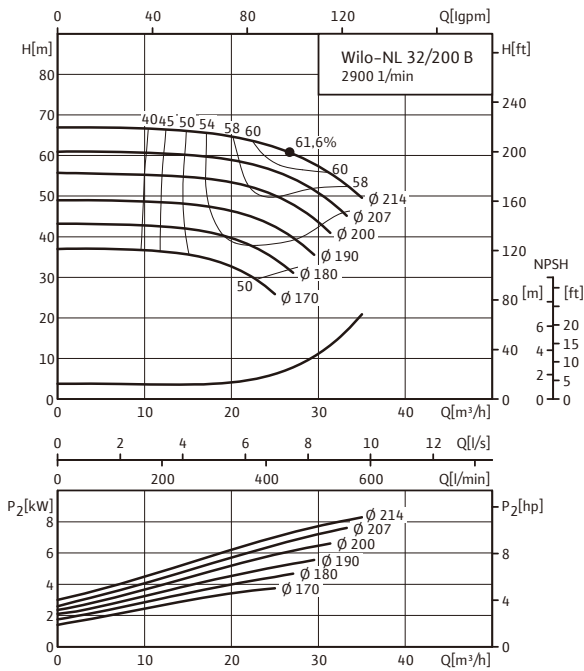
Speed 2900 rpm



Pump curves Wilo-NL(2-pole) 性能曲线

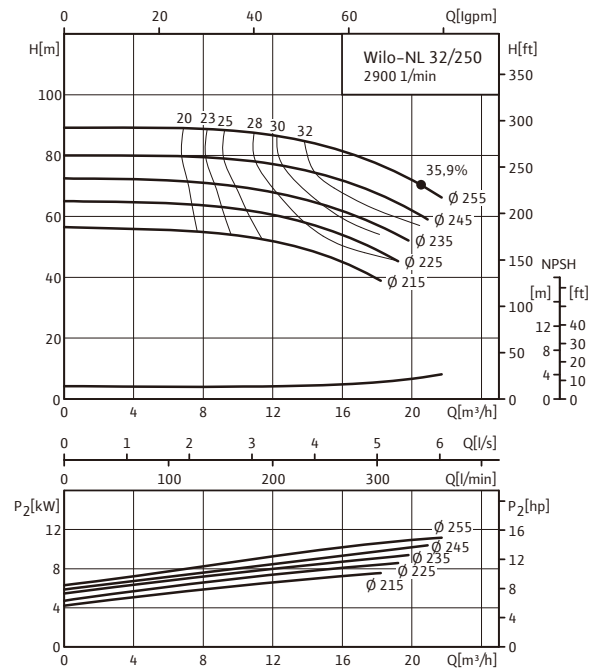
Wilo-NL 32/200B

Speed 2900 rpm



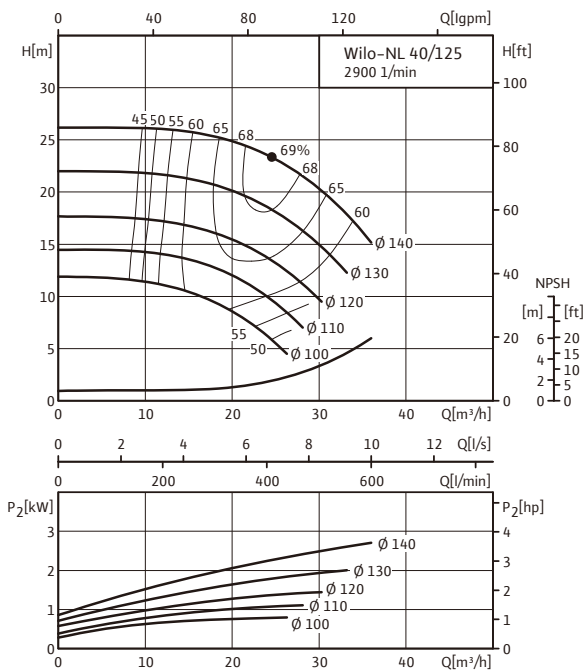
Wilo-NL 32/250

Speed 2900 rpm



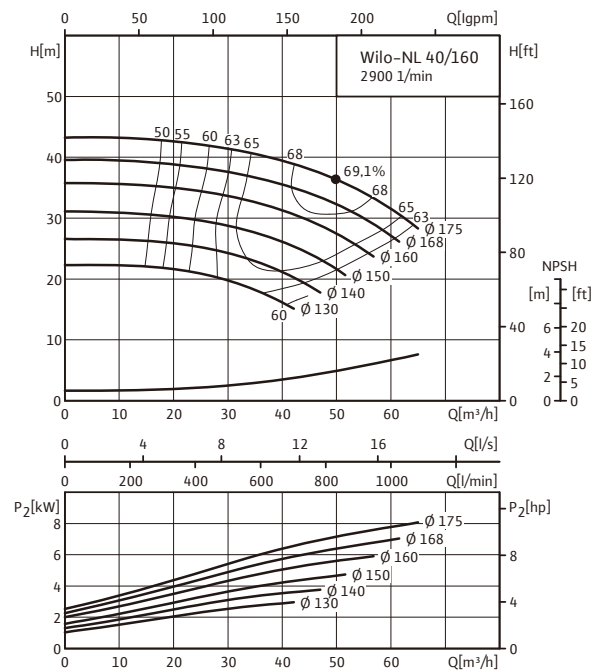
Wilo-NL 40/125

Speed 2900 rpm



Wilo-NL 40/160

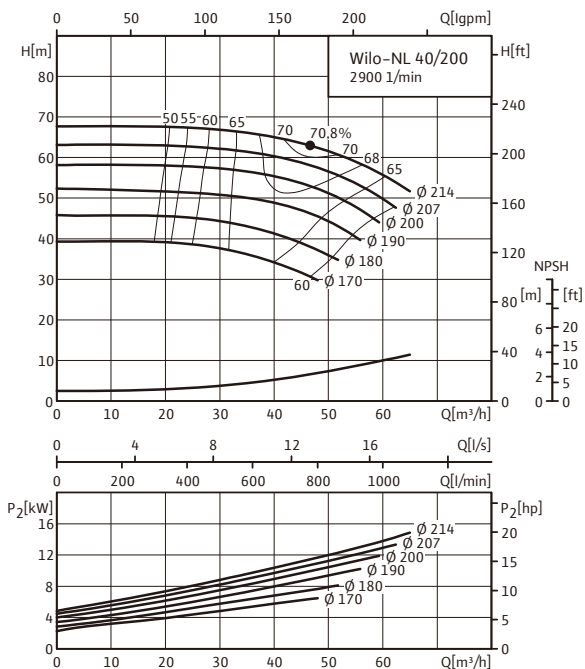
Speed 2900 rpm



Pump curves Wilo-NL(2-pole) 性能曲线

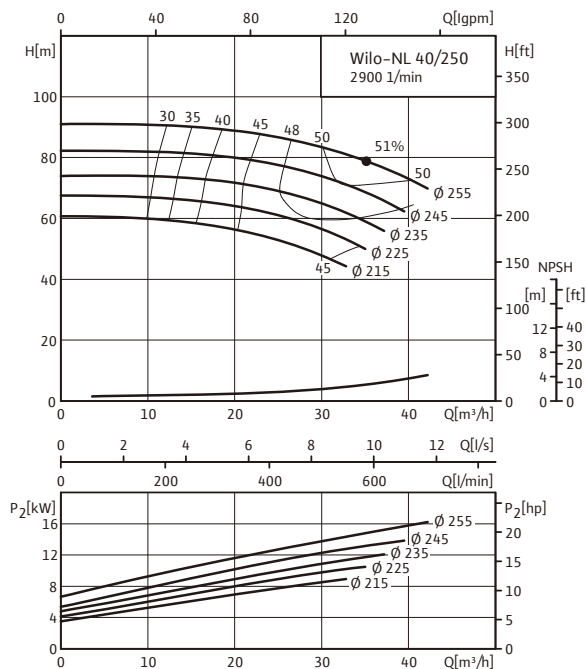
Wilo-NL 40/200

Speed 2900 rpm



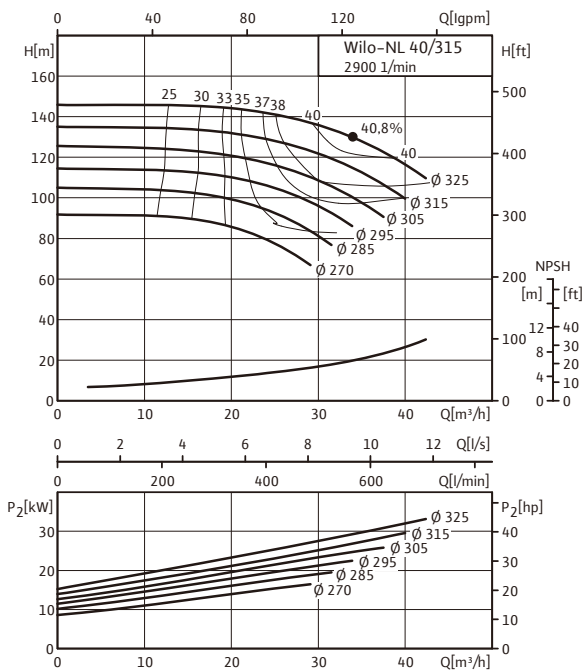
Wilo-NL 40/250

Speed 2900 rpm



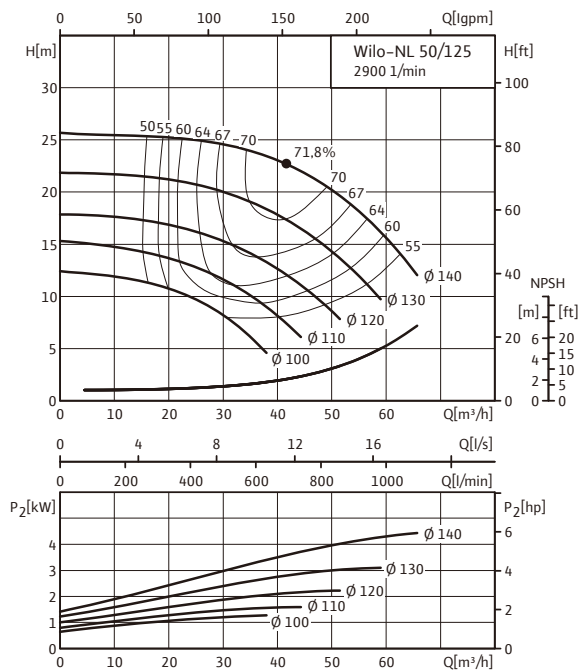
Wilo-NL 40/315

Speed 2900 rpm



Wilo-NL 50/125

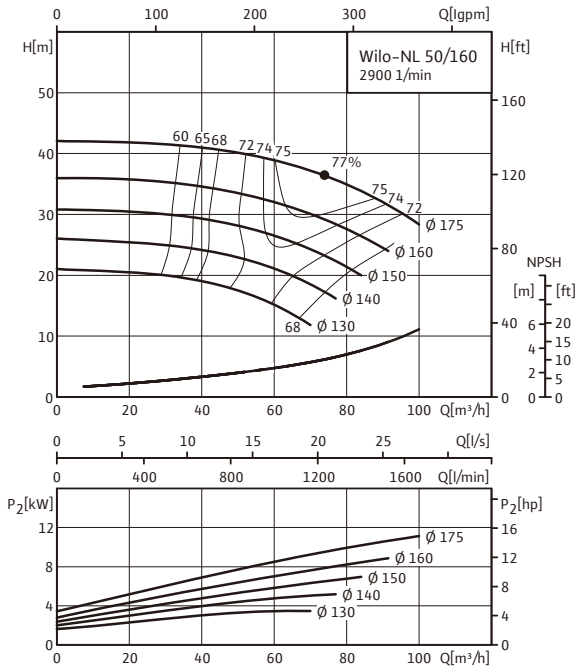
Speed 2900 rpm



Pump curves Wilo-NL(2-pole) 性能曲线

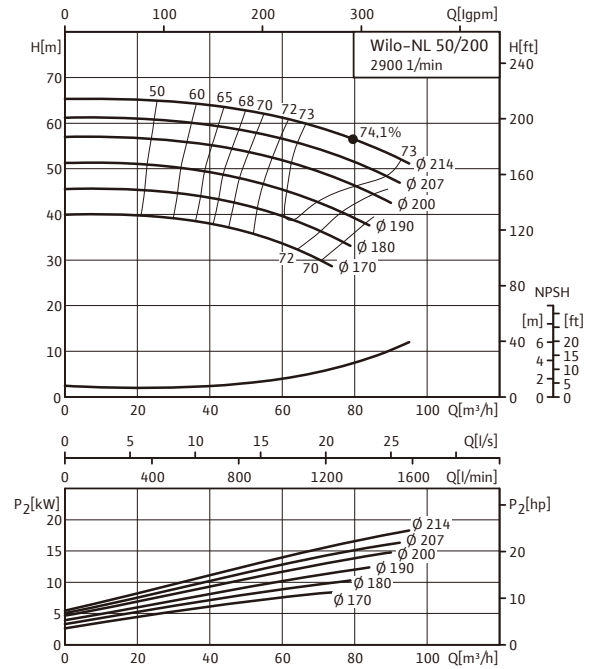
Wilo-NL 50/160

Speed 2900 rpm



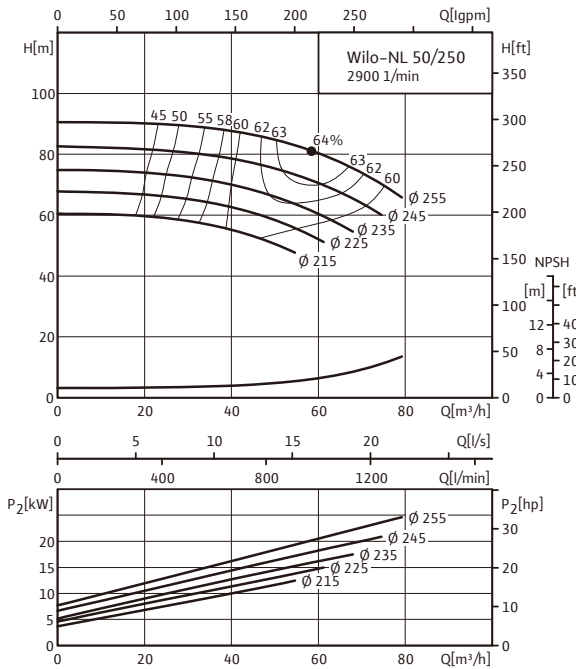
Wilo-NL 50/200

Speed 2900 rpm



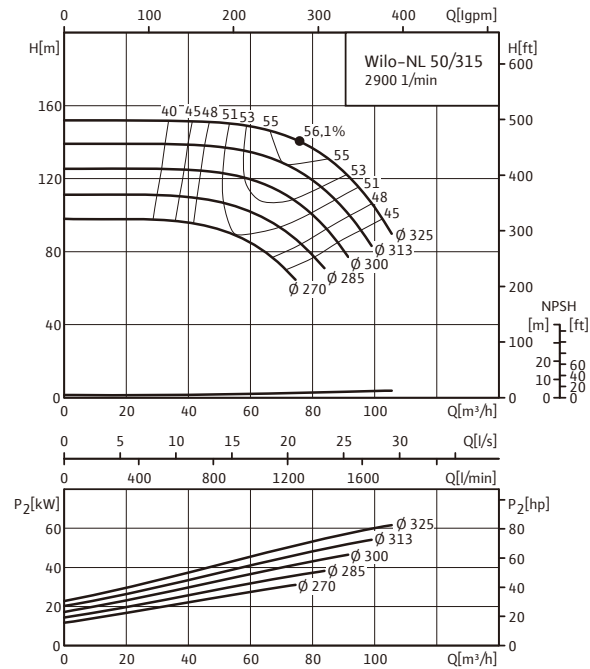
Wilo-NL 50/250

Speed 2900 rpm



Wilo-NL 50/315

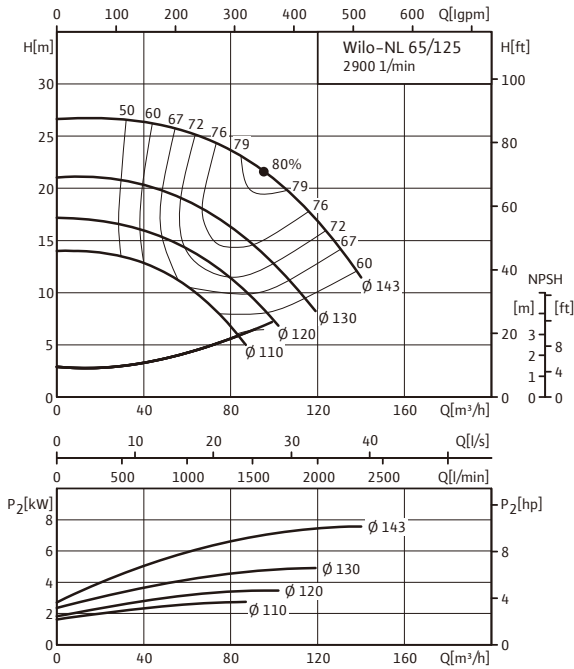
Speed 2900 rpm



Pump curves Wilo-NL(2-pole) 性能曲线

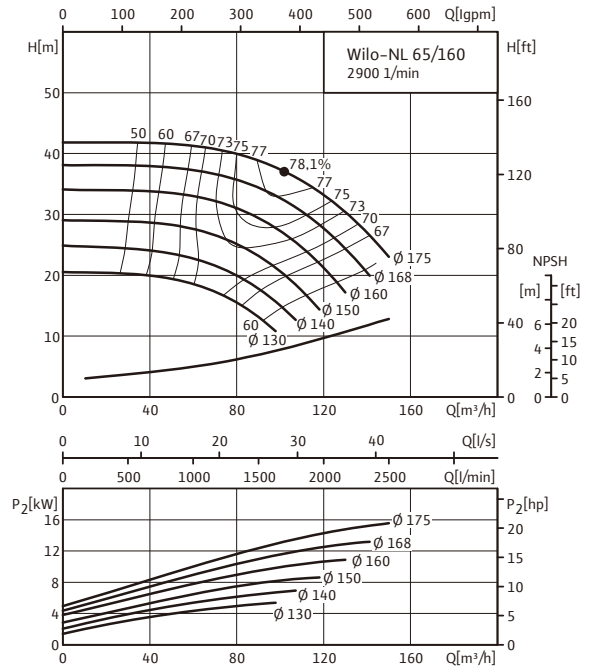
Wilo-NL 65/125

Speed 2900 rpm



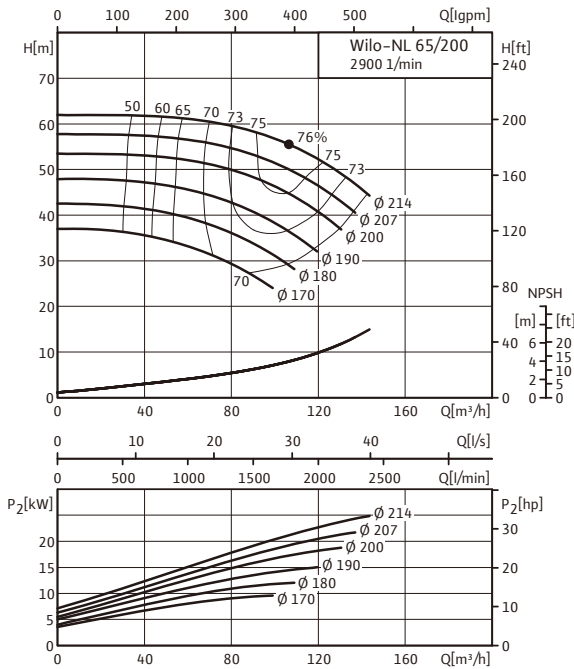
Wilo-NL 65/160

Speed 2900 rpm



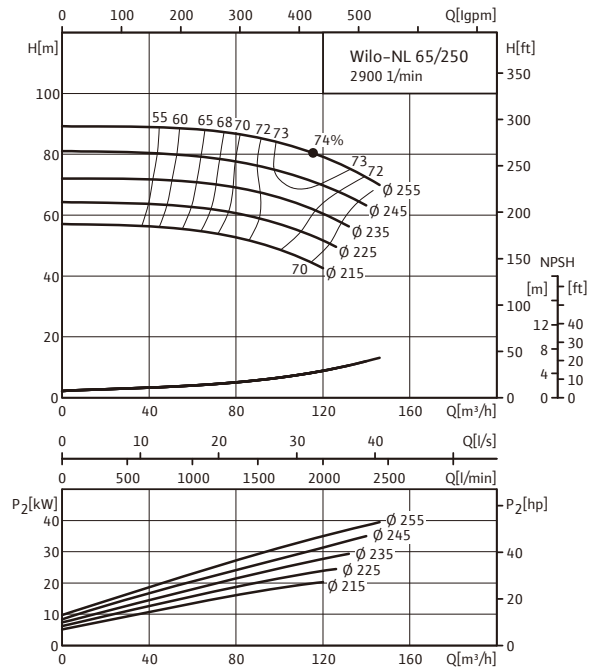
Wilo-NL 65/200

Speed 2900 rpm



Wilo-NL 65/250

Speed 2900 rpm

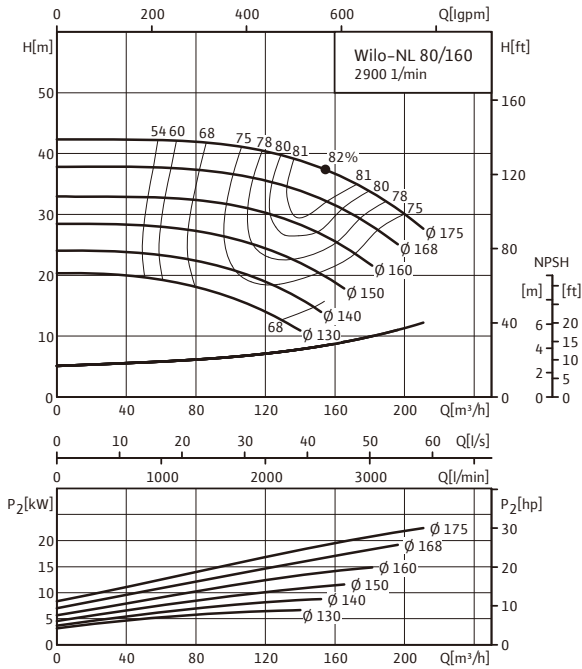




Pump curves Wilo-NL(2-pole) 性能曲线

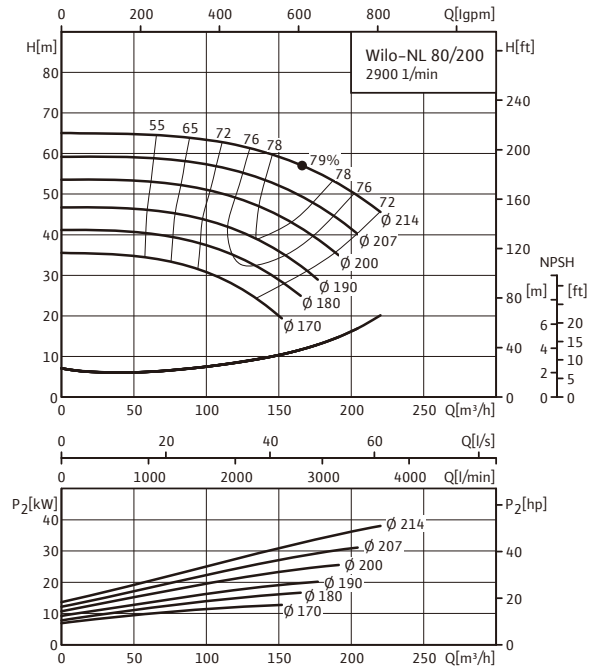
Wilo-NL 80/160

Speed 2900 rpm



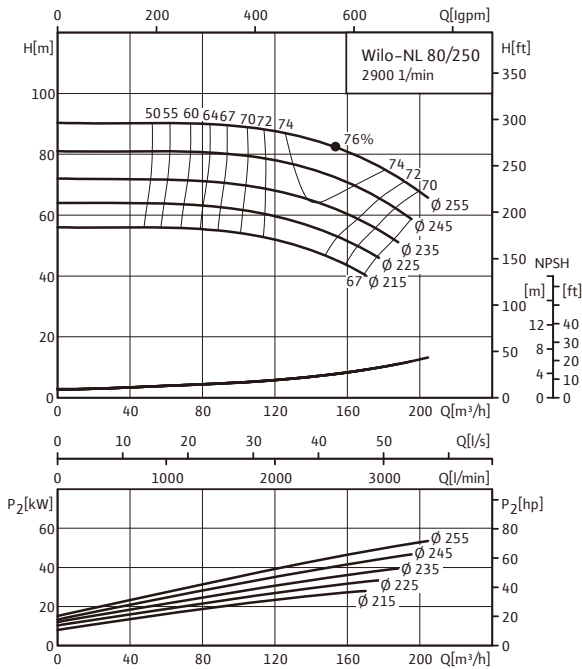
Wilo-NL 80/200

Speed 2900 rpm



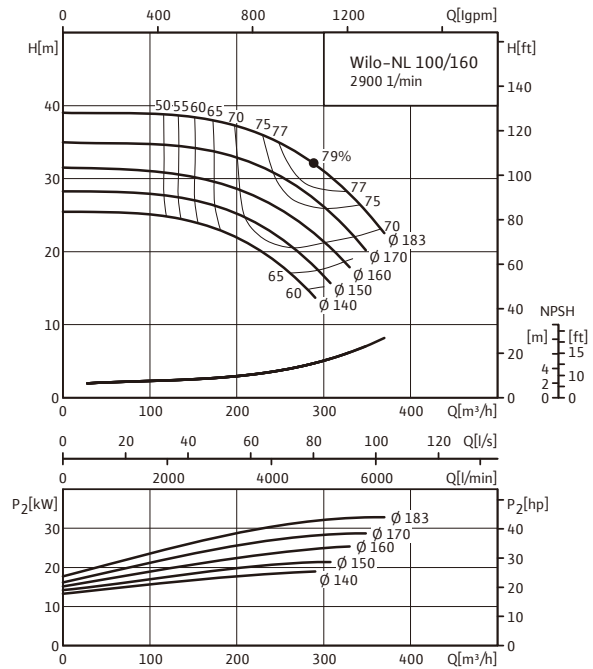
Wilo-NL 80/250

Speed 2900 rpm



Wilo-NL 100/160

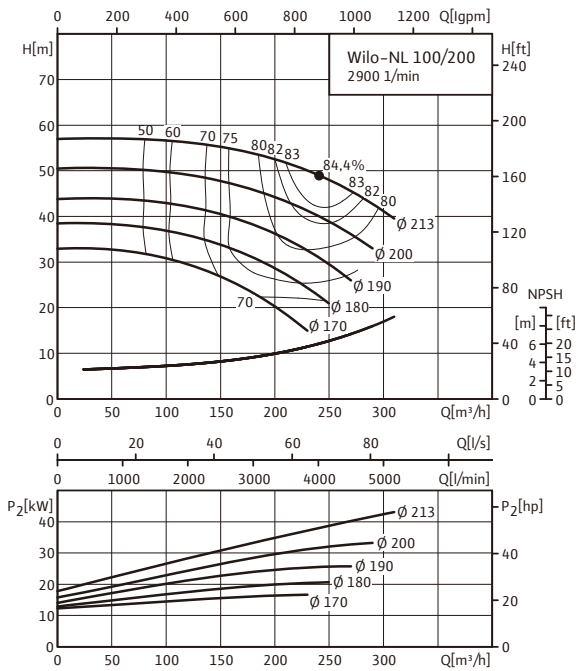
Speed 2900 rpm



Pump curves Wilo-NL(2-pole) 性能曲线

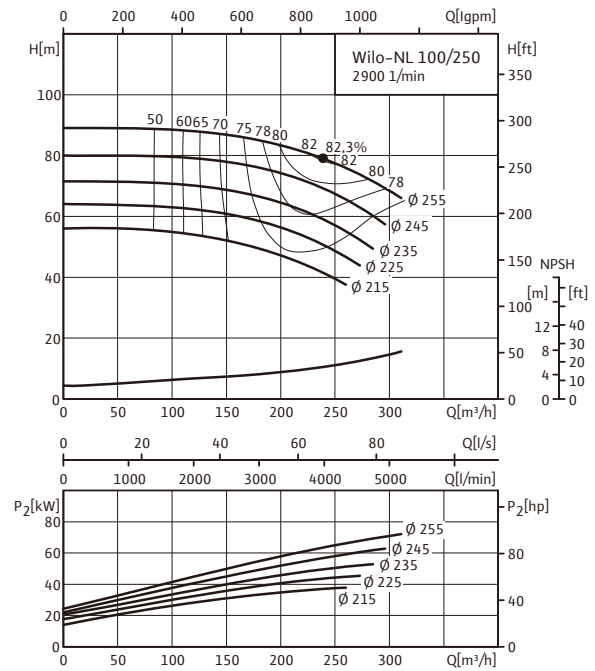
Wilo-NL 100/200

Speed 2900 rpm



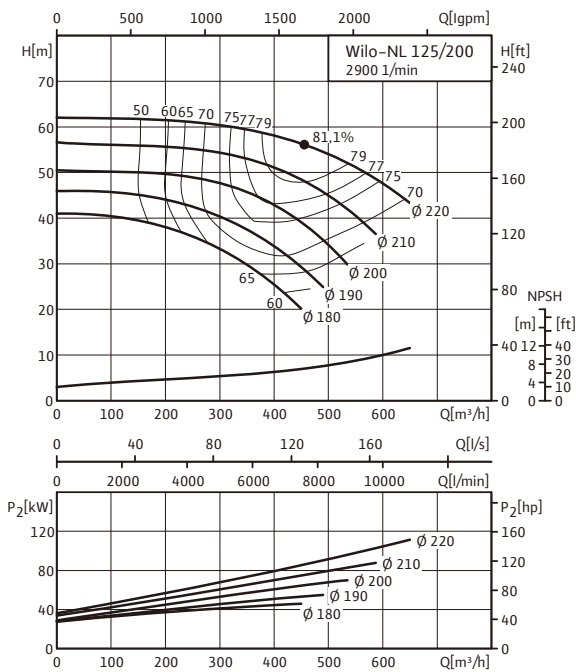
Wilo-NL 100/250

Speed 2900 rpm



Wilo-NL 125/200

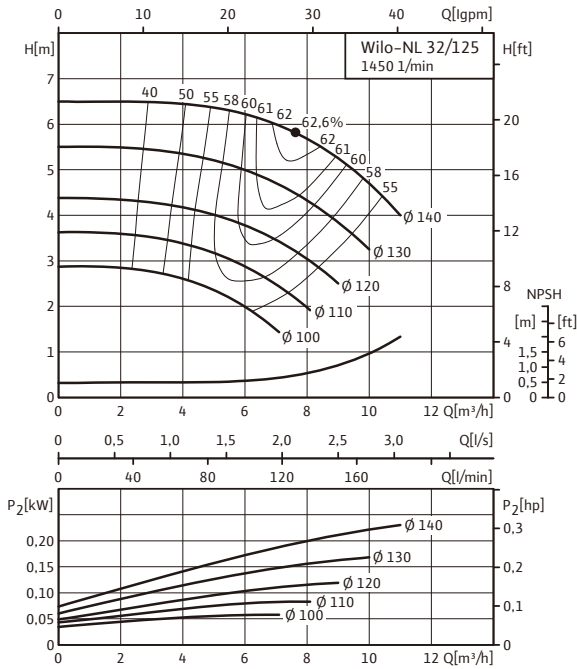
Speed 2900 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

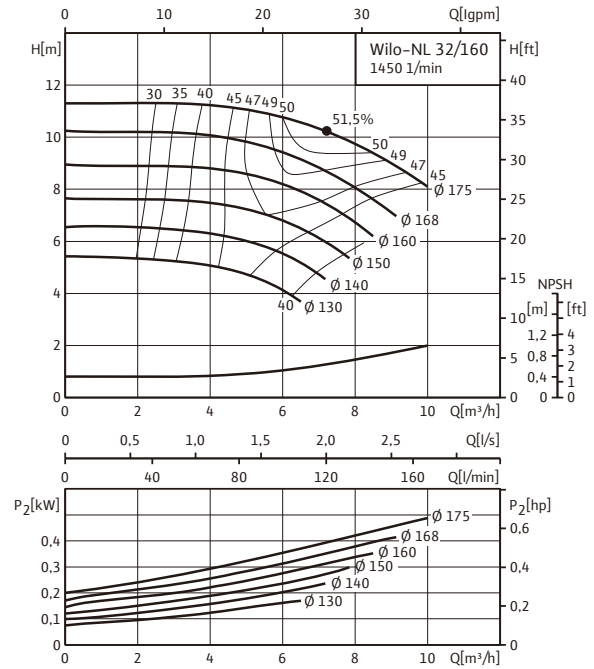
Wilo-NL 32/125

Speed 1450 rpm



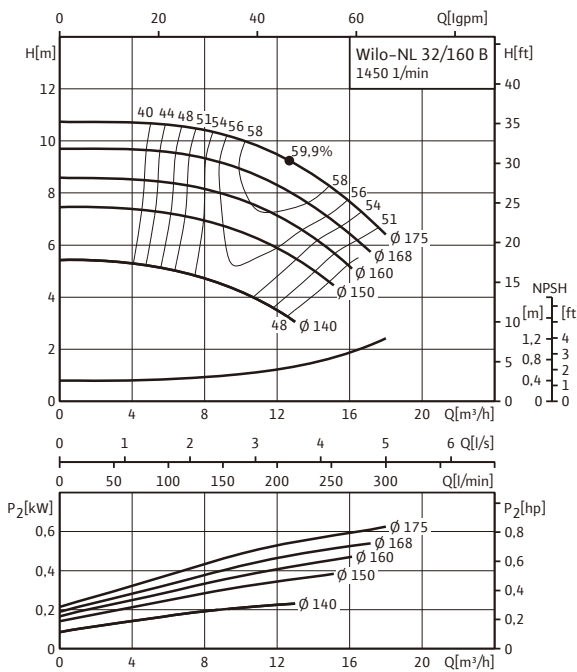
Wilo-NL 32/160

Speed 1450 rpm



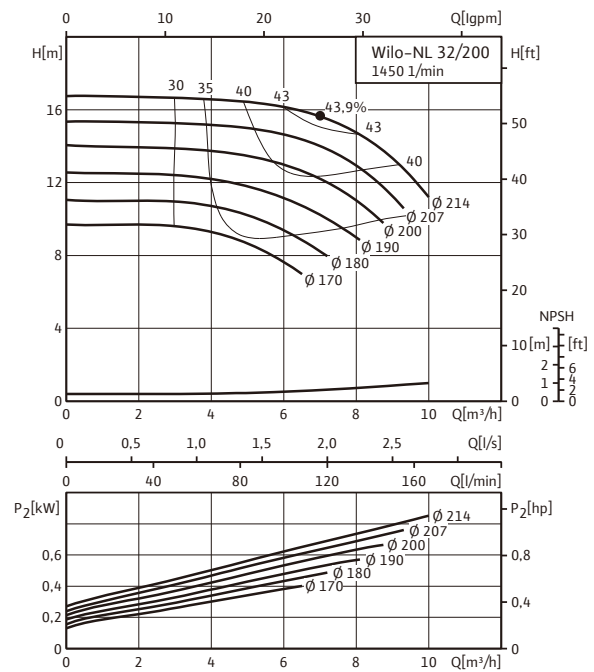
Wilo-NL 32/160B

Speed 1450 rpm



Wilo-NL 32/200

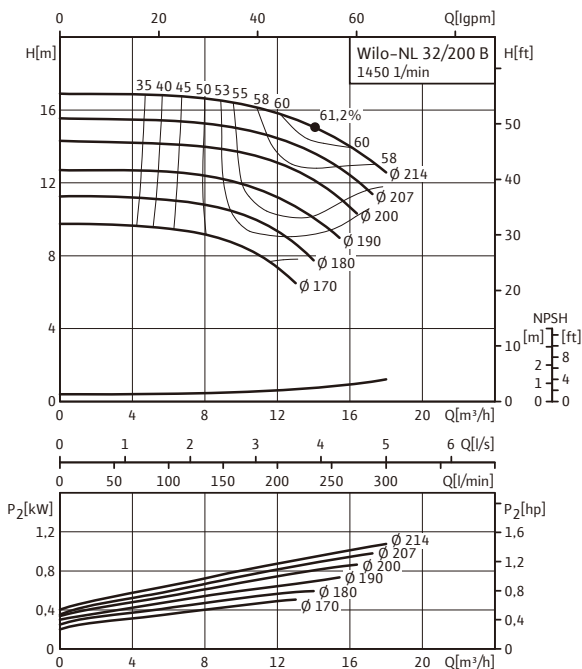
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

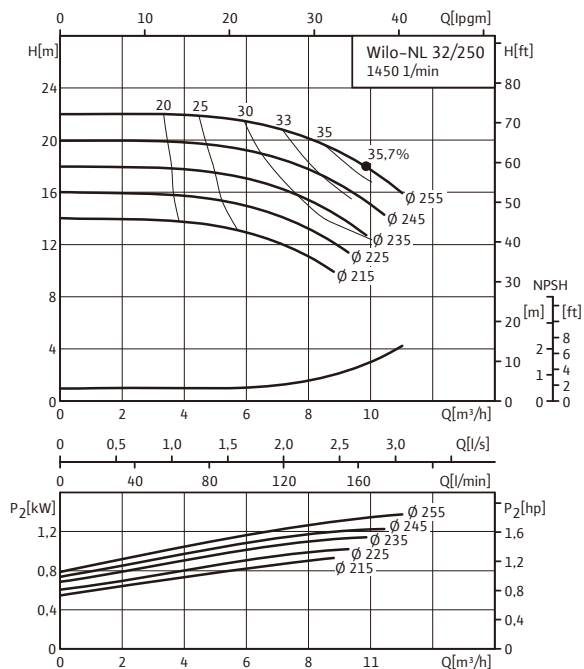
Wilo-NL 32/200B

Speed 1450 rpm



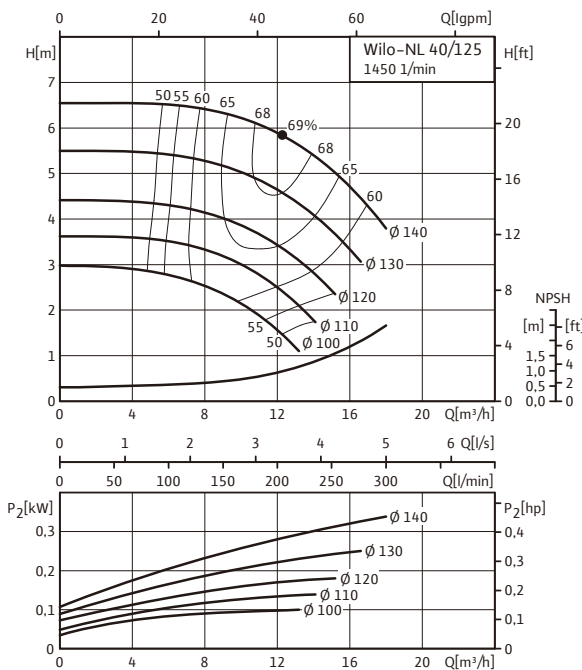
Wilo-NL 32/250

Speed 1450 rpm



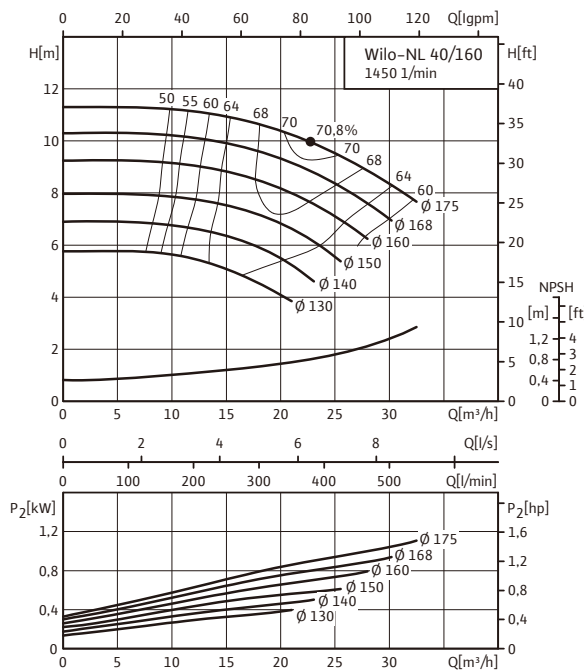
Wilo-NL 40/125

Speed 1450 rpm



Wilo-NL 40/160

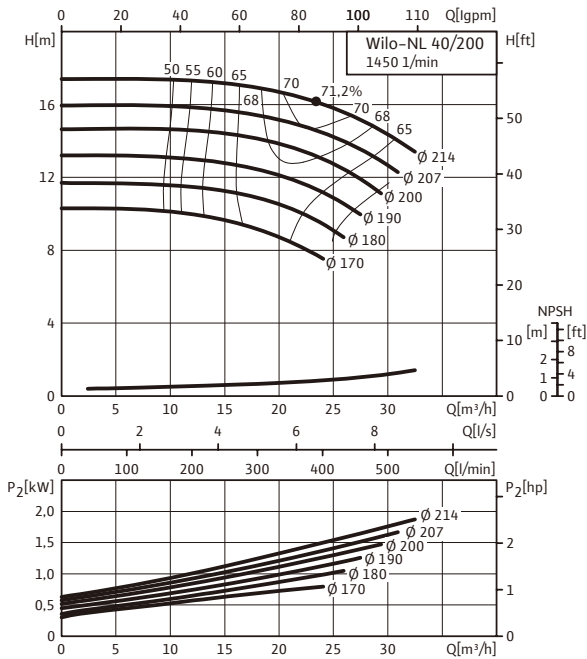
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

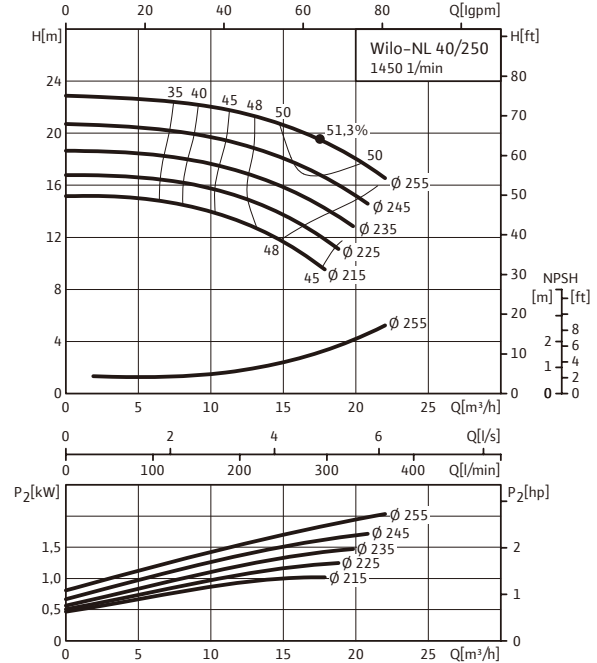
Wilo-NL 40/200

Speed 1450 rpm



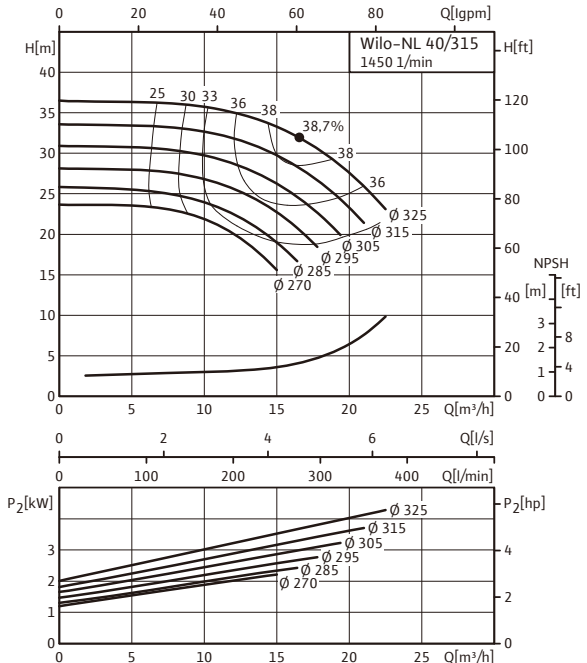
Wilo-NL 40/250

Speed 1450 rpm



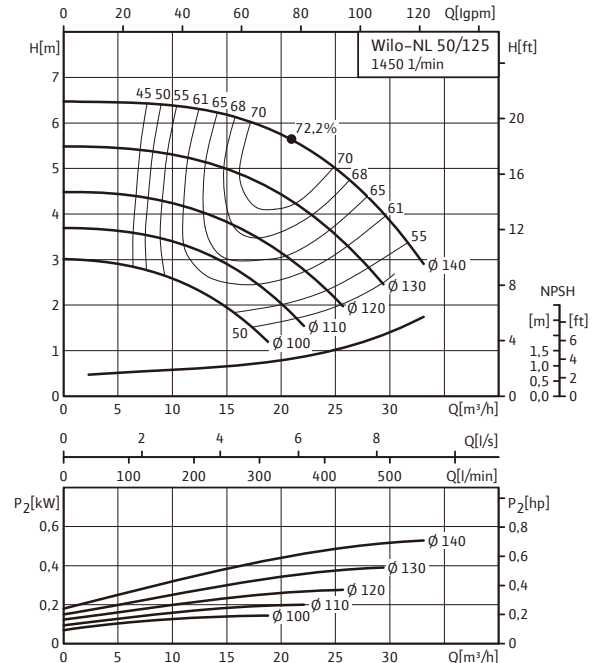
Wilo-NL 40/315

Speed 1450 rpm



Wilo-NL 50/125

Speed 1450 rpm

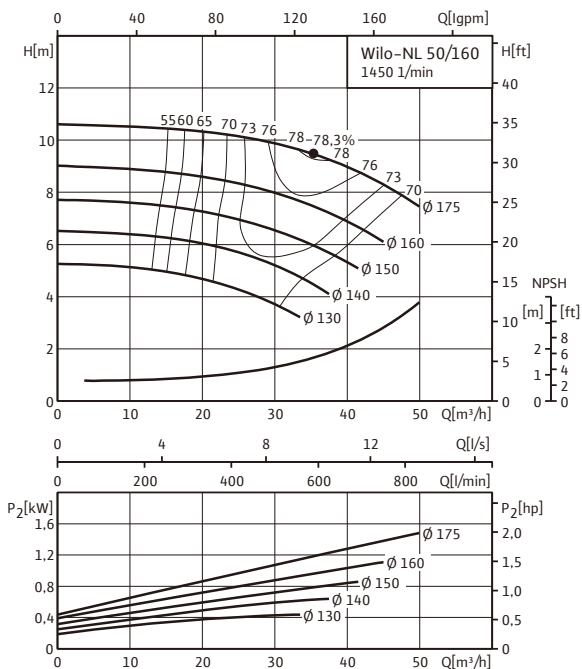




Pump curves Wilo-NL(4-pole) 性能曲线

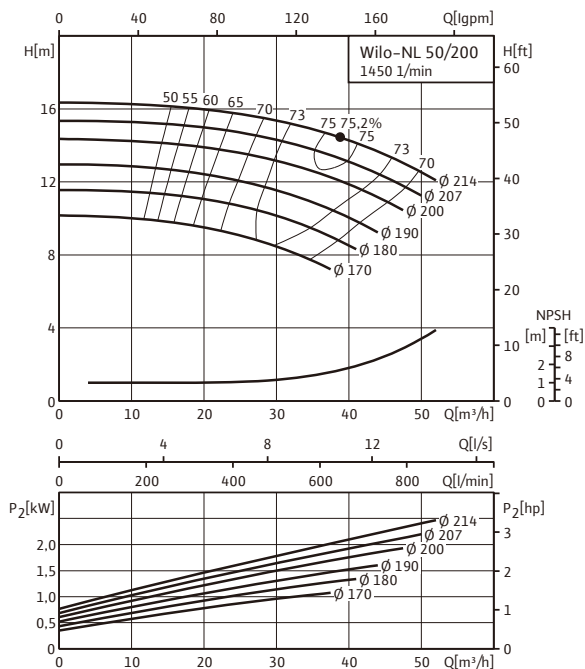
Wilo-NL 50/160

Speed 1450 rpm



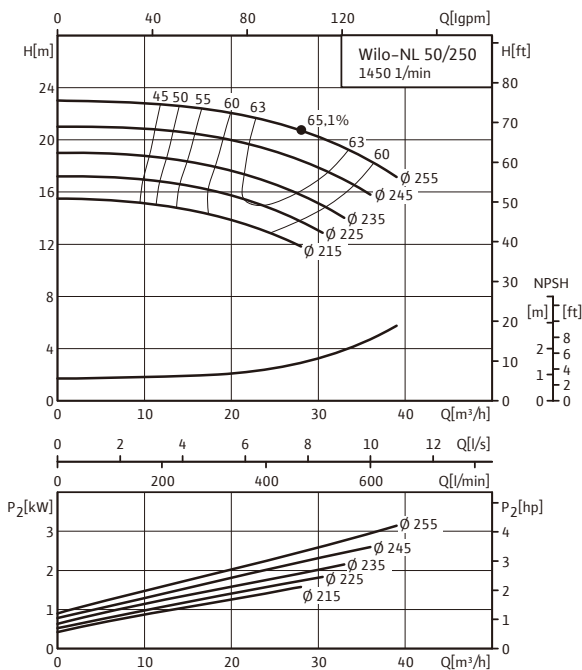
Wilo-NL 50/200

Speed 1450 rpm



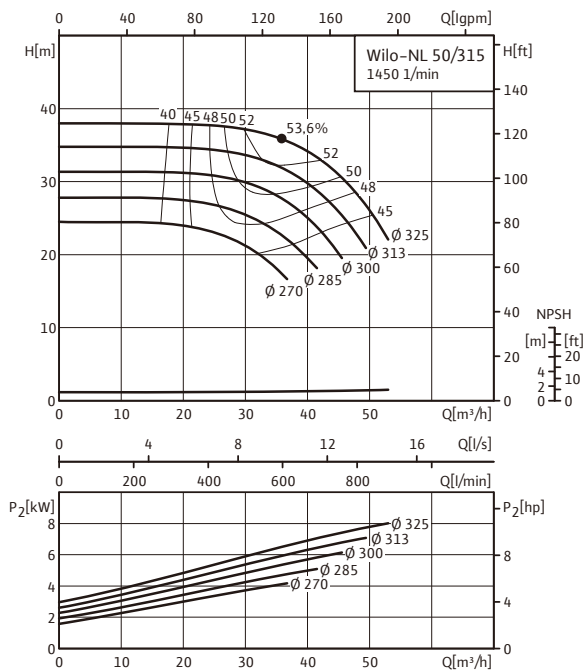
Wilo-NL 50/250

Speed 1450 rpm



Wilo-NL 50/315

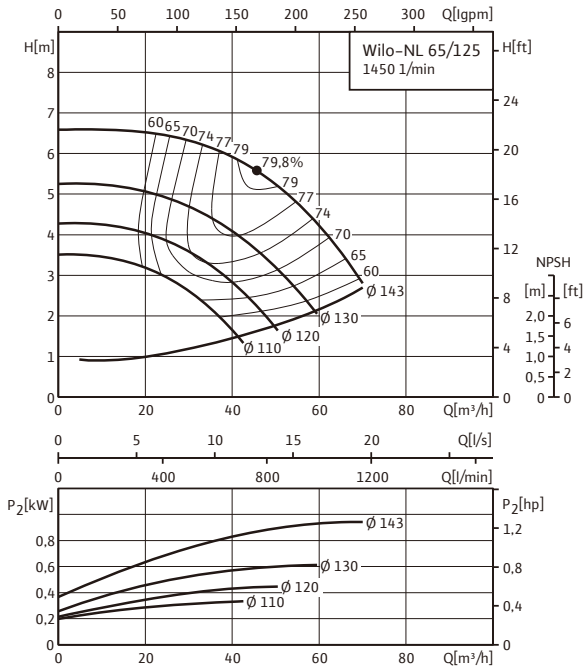
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

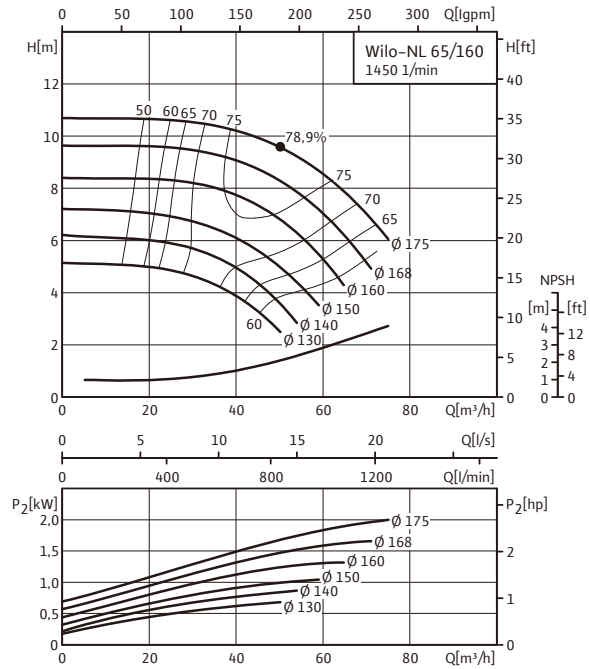
Wilo-NL 65/125

Speed 1450 rpm



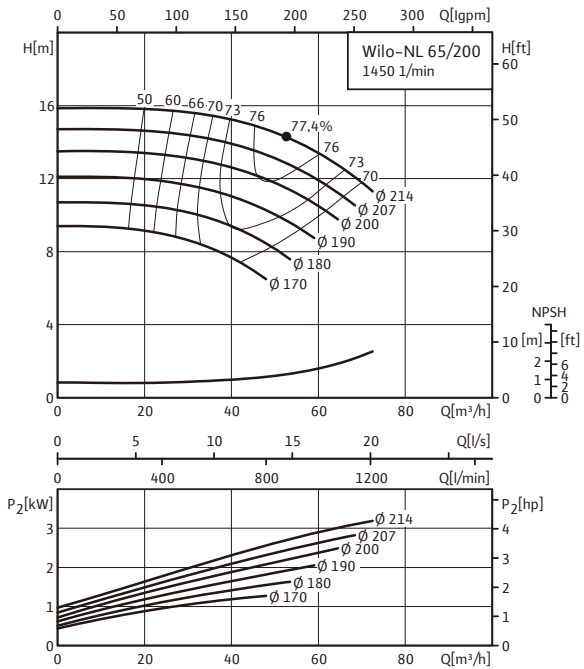
Wilo-NL 65/160

Speed 1450 rpm



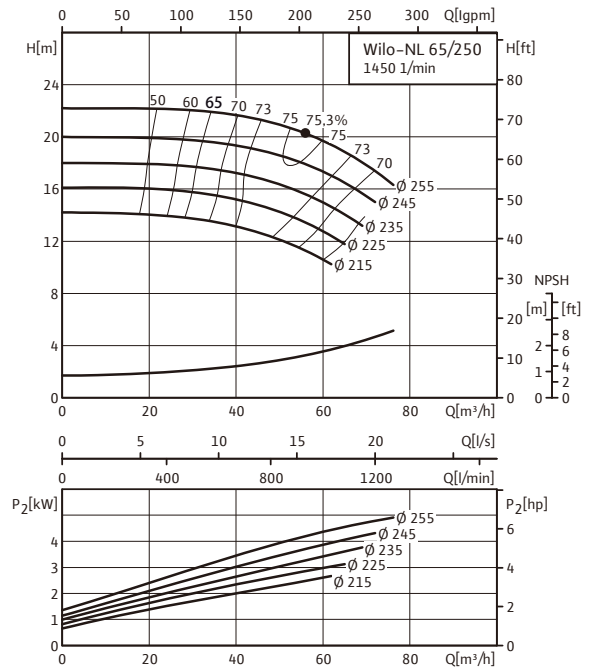
Wilo-NL 65/200

Speed 1450 rpm



Wilo-NL 65/250

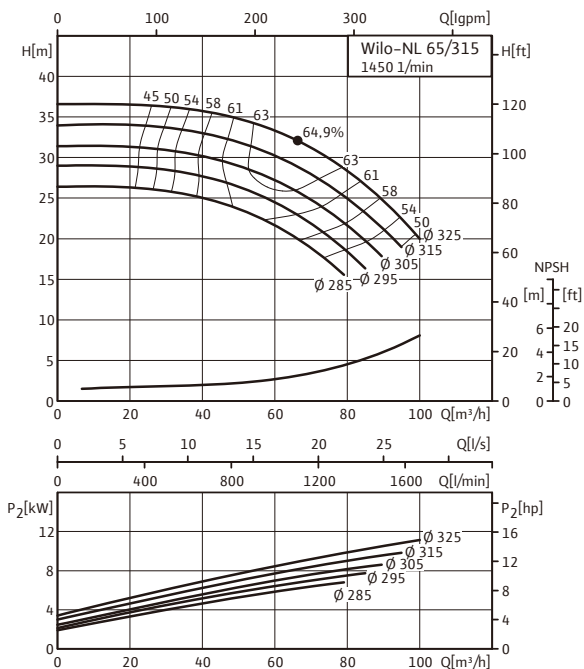
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

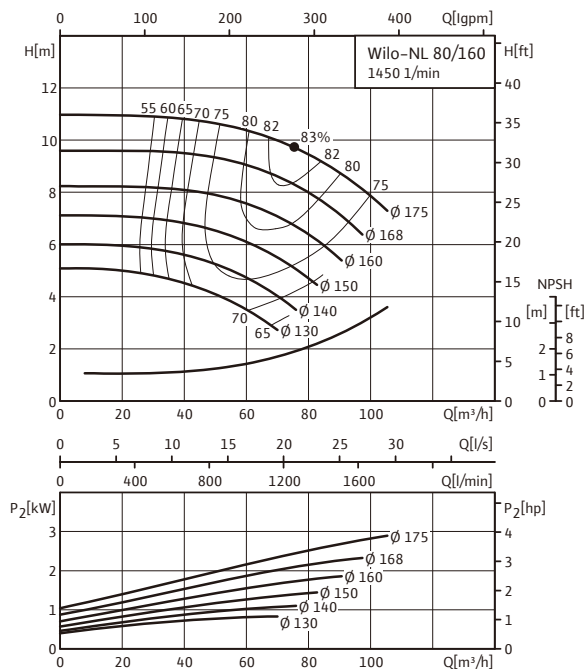
Wilo-NL 65/315

Speed 1450 rpm



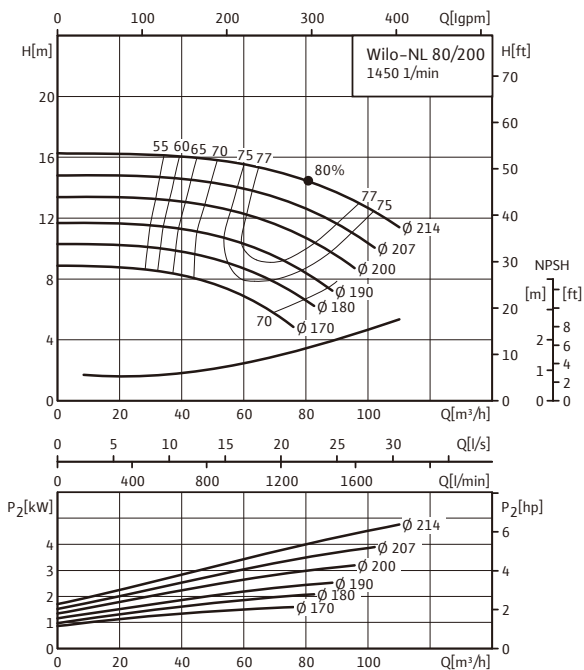
Wilo-NL 80/160

Speed 1450 rpm



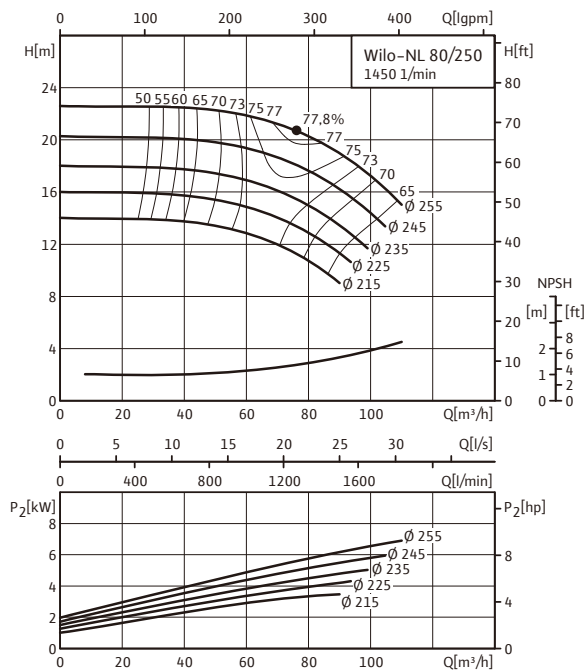
Wilo-NL 80/200

Speed 1450 rpm



Wilo-NL 80/250

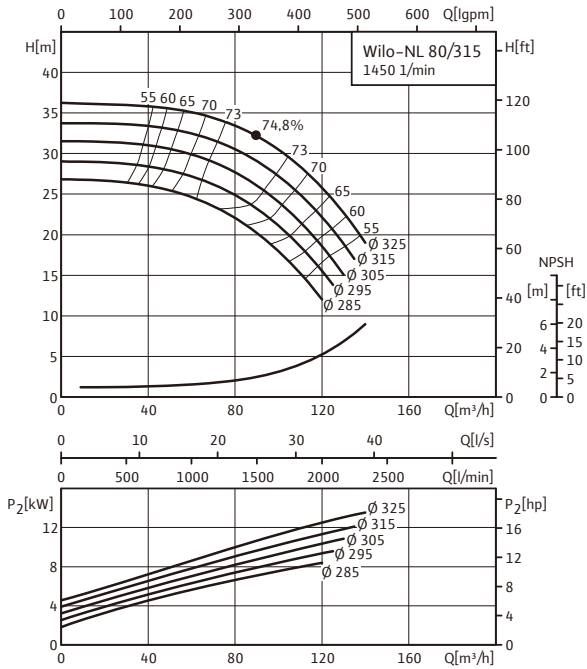
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

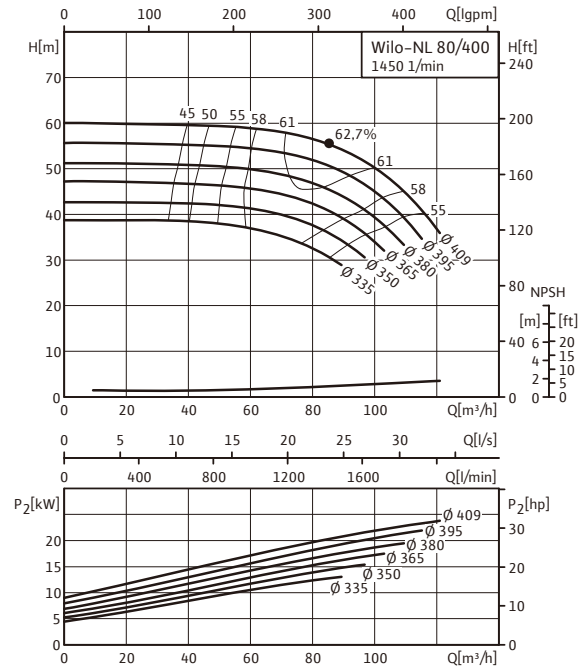
Wilo-NL 80/315

Speed 1450 rpm



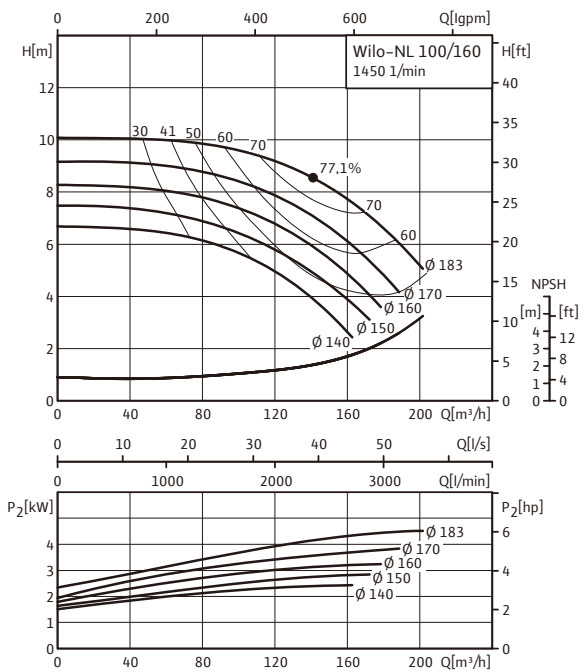
Wilo-NL 80/400

Speed 1450 rpm



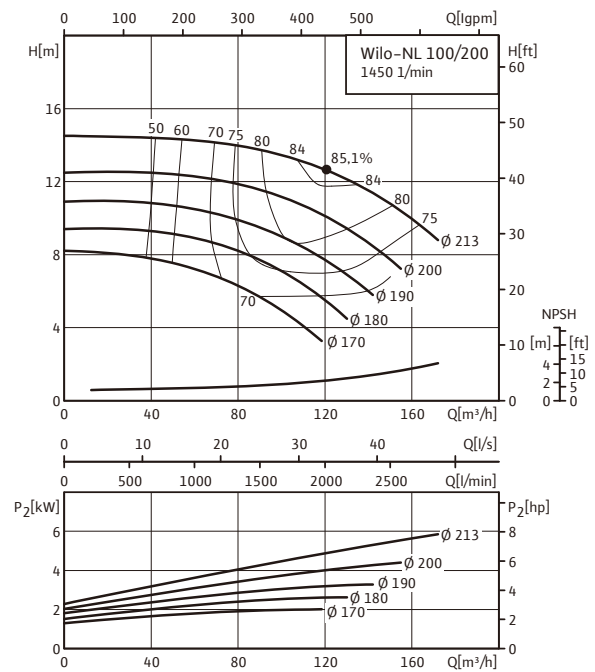
Wilo-NL 100/160

Speed 1450 rpm



Wilo-NL 100/200

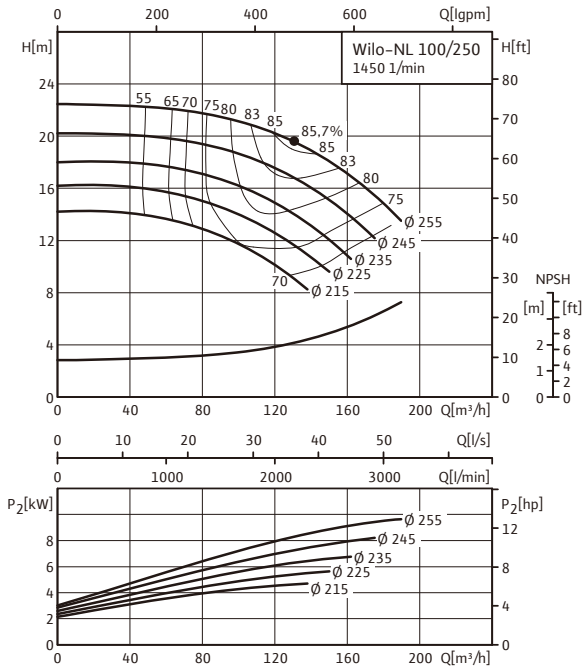
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

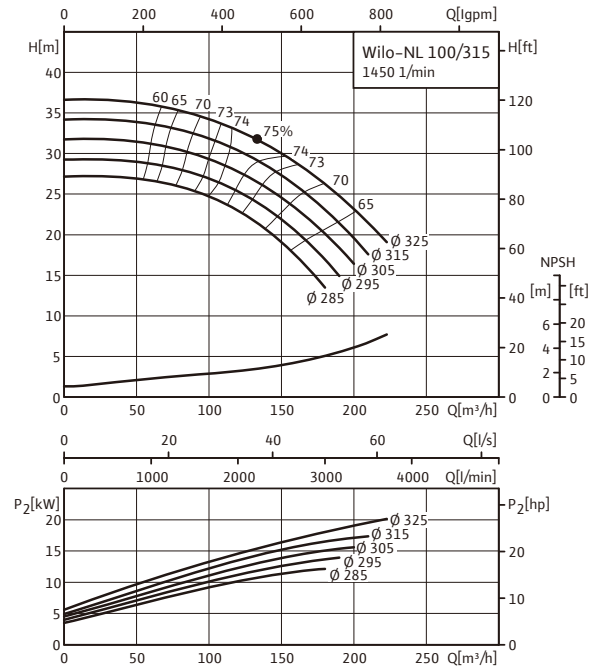
Wilo-NL 100/250

Speed 1450 rpm



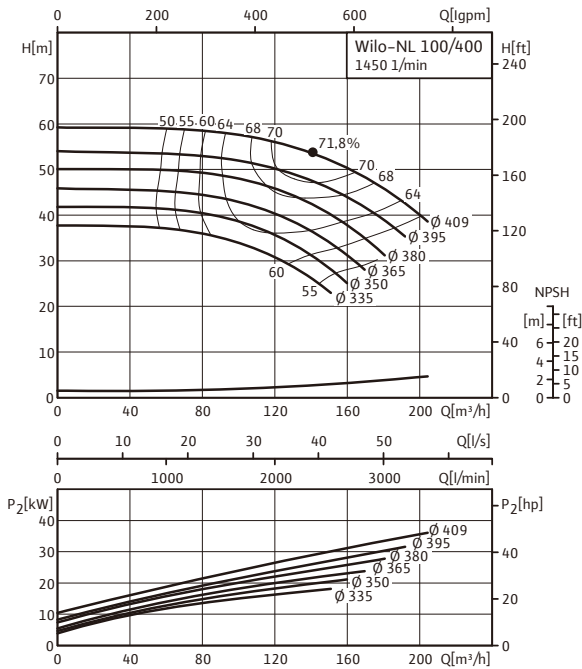
Wilo-NL 100/315

Speed 1450 rpm



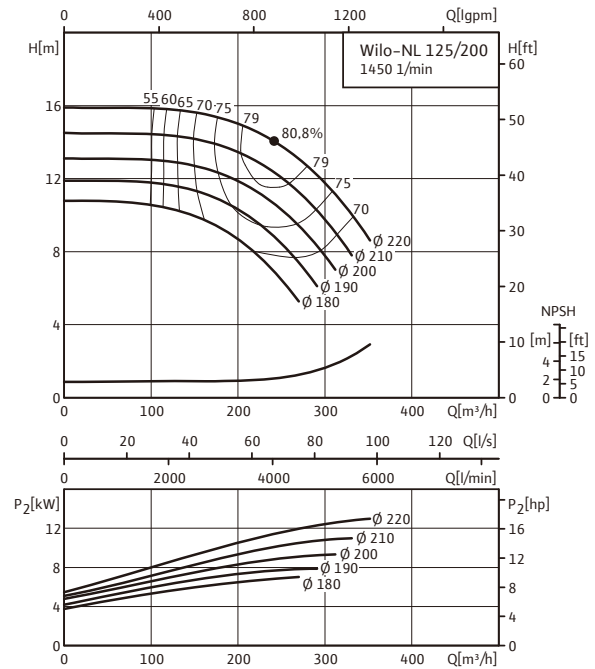
Wilo-NL 100/400

Speed 1450 rpm



Wilo-NL 125/200

Speed 1450 rpm

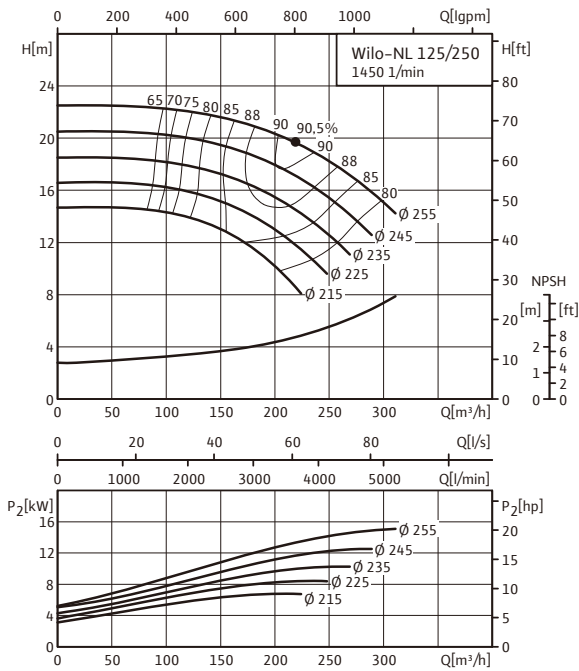




Pump curves Wilo-NL(4-pole) 性能曲线

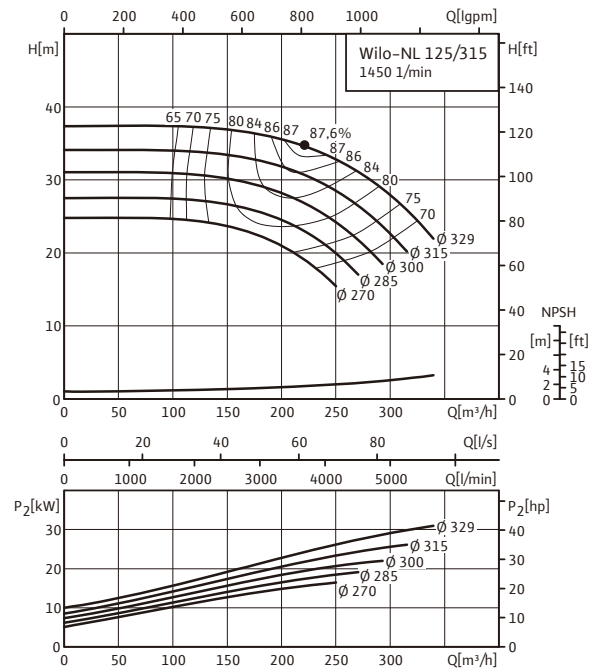
Wilo-NL 125/250

Speed 1450 rpm



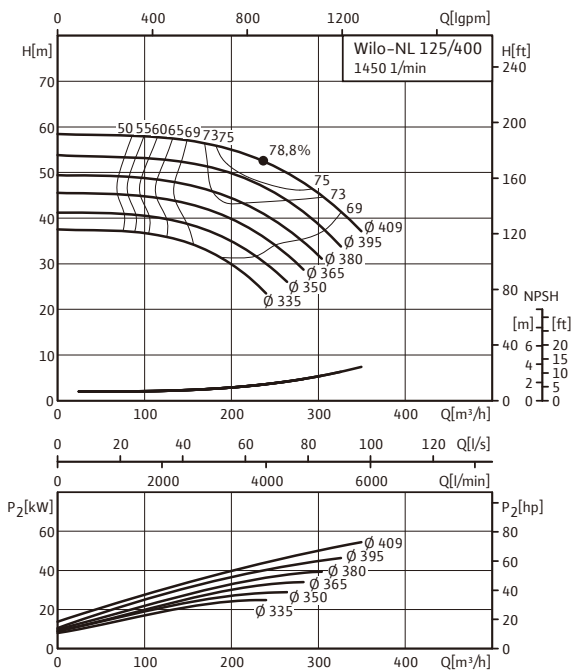
Wilo-NL 125/315

Speed 1450 rpm



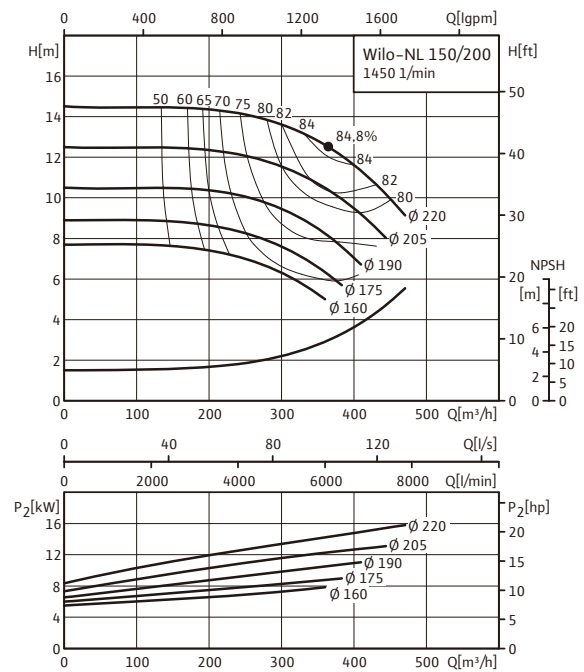
Wilo-NL 125/400

Speed 1450 rpm



Wilo-NL 150/200

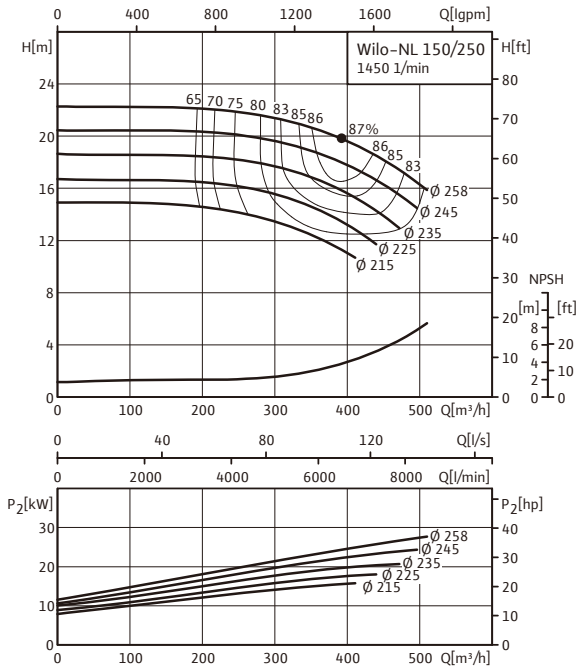
Speed 1450 rpm



Pump curves Wilo-NL(4-pole) 性能曲线

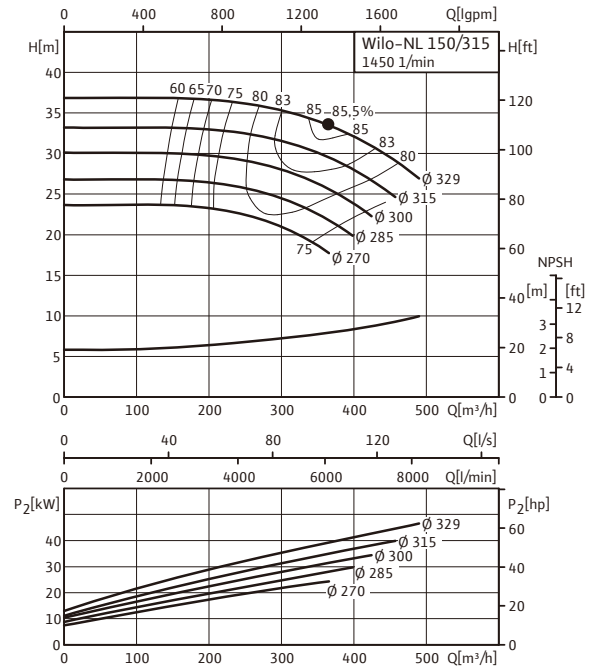
Wilo-NL 150/250

Speed 1450 rpm



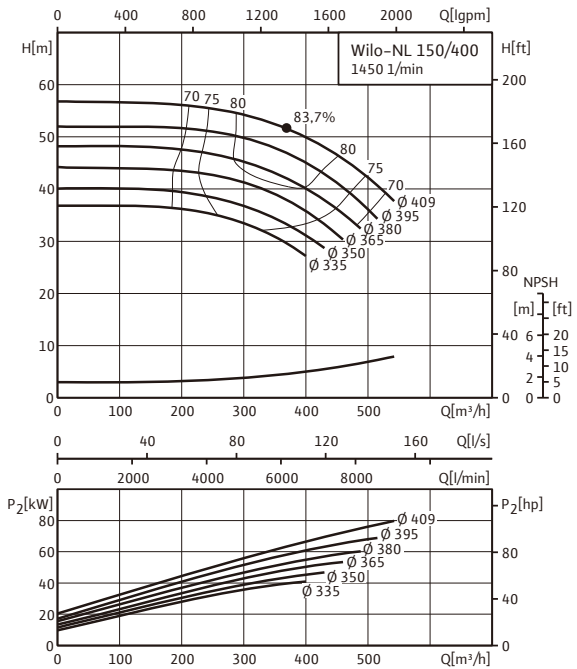
Wilo-NL 150/315

Speed 1450 rpm

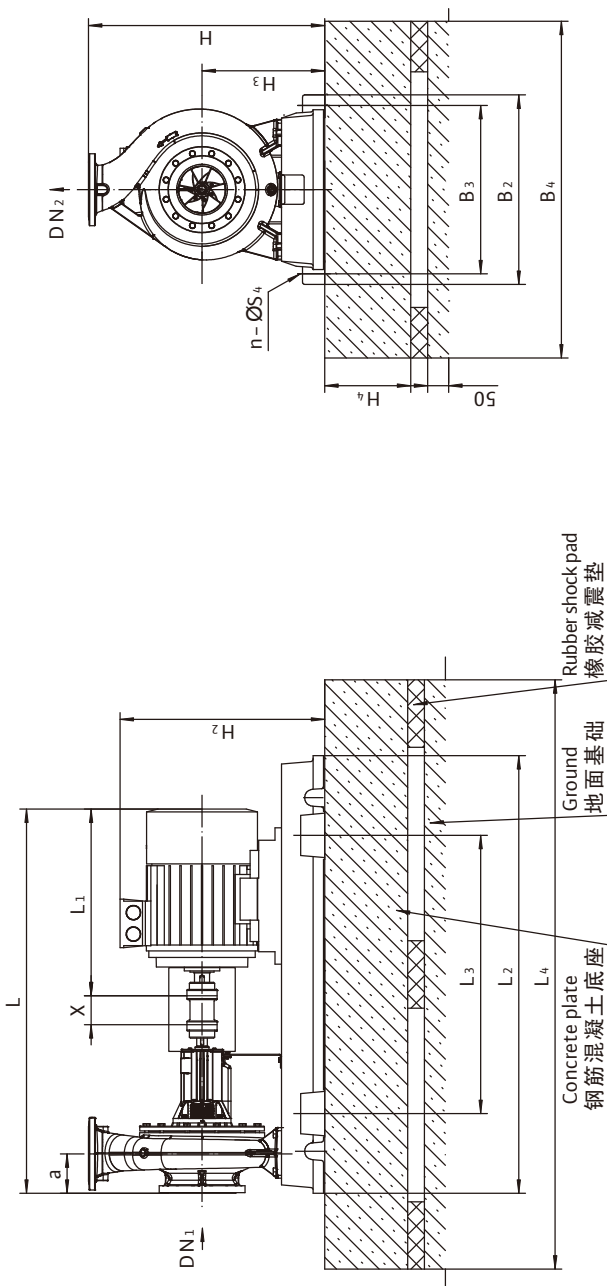


Wilo-NL 150/400

Speed 1450 rpm



Dimensions, weights Wilo-NL(with spacer coupling) 外形尺寸及重量 (配易拆卸短节)



水泵基础的外形尺寸应比水泵底座的外形尺寸每边增加15-30cm。  
尺寸L, L3: 大概尺寸, 不同品牌电机尺寸不同。

The length and width of the base block should be approx. 15 to 30 cm greater than the outer dimensions of the pump baseplate.  
Dimensions L, L3: approximate dimension, since this depends on the make of the motor.

## Dimensions, weights Wilo-NL(with spacer coupling)

Motor data, dimensions, weights (1450 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																					
NL...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸			
			DN <sub>2</sub>	DN <sub>1</sub>	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>2</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	S <sub>0</sub>	X	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>	Rubber shock pad model 减震垫型号 6 pieces/set 6块/台
32/125	0.37	71	32	50	80	795	255	1040	660	355	339	215	450	400	24	100	109	1340	750	200	SD43-2
	0.37	71	32	50	80	795	255	1040	660	395	359	235	450	400	24	100	111	1340	750	200	SD43-2
32/160	0.55	80	32	50	80	835	295	1040	660	395	375	235	450	400	24	100	114	1340	750	200	SD43-2
	0.75	80	32	50	80	835	295	1040	660	395	375	235	450	400	24	100	116	1340	750	200	SD43-2
32/160B	0.37	71	32	50	80	795	255	1040	660	395	359	235	450	400	24	100	111	1340	750	200	SD43-2
	0.55	80	32	50	80	835	295	1040	660	395	375	235	450	400	24	100	114	1340	750	200	SD43-2
32/200	0.75	80	32	50	80	835	295	1040	660	443	403	263	450	400	24	100	115	1340	750	200	SD43-2
	1.1	90S	32	50	80	835	295	1040	660	443	403	263	450	400	24	100	117	1340	750	200	SD43-2
32/200B	1.5	90L	32	50	80	885	345	1040	660	443	423	263	450	400	24	100	140	1340	750	200	SD43-2
	0.55	80	32	50	80	835	295	1040	660	443	403	263	450	400	24	100	115	1340	750	200	SD43-2
32/250	0.75	80	32	50	80	835	295	1040	660	443	403	263	450	400	24	100	117	1340	750	200	SD43-2
	1.1	90S	32	50	80	860	320	1040	660	443	423	263	450	400	24	100	137	1340	750	200	SD43-2
32/250B	1.5	90L	32	50	80	885	345	1040	660	443	423	263	450	400	24	100	140	1340	750	200	SD43-2
	0.75	80	32	50	100	855	295	1040	660	508	423	283	450	400	24	100	132	1340	750	200	SD43-2
40/125	1.1	90S	32	50	100	880	320	1040	660	508	443	283	450	400	24	100	137	1340	750	200	SD43-2
	1.5	90L	32	50	100	905	345	1040	660	508	443	283	450	400	24	100	140	1340	750	200	SD43-2
40/160	2.2	100L	32	50	100	945	385	1040	660	508	453	283	450	400	24	100	149	1340	750	200	SD43-2
	0.37	71	40	65	80	795	255	1040	660	355	339	215	450	400	24	100	106	1340	750	200	SD43-2
40/200	0.55	80	40	65	80	835	295	1040	660	355	355	215	450	400	24	100	109	1340	750	200	SD43-2
	0.37	71	40	65	80	795	255	1040	660	395	359	235	450	400	24	100	108	1340	750	200	SD43-2
40/200B	0.55	80	40	65	80	835	295	1040	660	395	375	235	450	400	24	100	111	1340	750	200	SD43-2
	0.75	80	40	65	80	835	295	1040	660	395	375	235	450	400	24	100	113	1340	750	200	SD43-2
40/250	1.1	90S	40	65	80	860	320	1040	660	395	395	235	450	400	24	100	117	1340	750	200	SD43-2
	1.5	90L	40	65	80	885	345	1040	660	395	395	235	450	400	24	100	136	1340	750	200	SD43-2
40/250B	0.55	80	40	65	100	855	295	1040	660	443	403	263	450	400	24	100	133	1340	750	200	SD43-2
	0.75	80	40	65	100	855	295	1040	660	443	403	263	450	400	24	100	134	1340	750	200	SD43-2
40/300	1.1	90S	40	65	100	880	320	1040	660	443	423	263	450	400	24	100	139	1340	750	200	SD43-2
	1.5	90L	40	65	100	905	345	1040	660	443	423	263	450	400	24	100	142	1340	750	200	SD43-2
40/350	2.2	100L	40	65	100	945	385	1040	660	443	433	263	450	400	24	100	151	1340	750	200	SD43-2



Dimensions, weights Wilo-NL(with spacer coupling)

Motor data, dimensions, weights (1450 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)													Concrete plate dimensions 基础尺寸			Rubbershock-pad model 减震垫型号 6 pieces/set 6块/台								
NL...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸				Rubbershock-pad model 减震垫型号 6 pieces/set 6块/台		
			P <sub>2</sub>	[kW]	[MG]	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>2</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	S <sub>4</sub>	X	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>		[mm]	
65/160	80	80	65	80	100	855	295	1040	660	463	403	263	450	400	24	100	137	1340	750	200	1340	750	200	SD43-2
	90L	90L	65	80	100	905	345	1040	660	463	423	263	450	400	24	100	146	1340	750	200	1340	750	200	SD43-2
	100L	100L	65	80	100	945	385	1040	660	463	433	263	450	400	24	100	154	1340	750	200	1340	750	200	SD43-2
	90S	90S	65	80	100	880	320	1040	660	508	443	283	450	400	24	100	136	1340	750	200	1340	750	200	SD43-2
65/200	90L	90L	65	80	100	905	345	1040	660	508	443	283	450	400	24	100	139	1340	750	200	1340	750	200	SD43-2
	100L	100L	65	80	100	945	385	1040	660	508	453	283	450	400	24	100	148	1340	750	200	1340	750	200	SD43-2
	100L	100L	65	80	100	945	385	1040	660	508	453	283	450	400	24	100	151	1340	750	200	1340	750	200	SD43-2
	112M	112M	65	80	100	960	400	1040	660	508	471	283	450	400	24	100	164	1340	750	200	1340	750	200	SD43-2
65/250	100L	100L	65	80	100	1055	385	1160	740	553	473	303	490	440	24	100	209	1460	790	200	1460	790	200	SD43-2
	100L	100L	65	80	100	1055	385	1160	740	553	473	303	490	440	24	100	212	1460	790	200	1460	790	200	SD43-2
	112M	112M	65	80	100	1070	400	1160	740	553	491	303	490	440	24	100	224	1460	790	200	1460	790	200	SD43-2
	132S	132S	65	80	100	1140	470	1160	740	553	516	303	490	440	24	100	240	1460	790	200	1460	790	200	SD43-2
65/315	132S	132S	65	80	125	1165	470	1310	840	608	541	328	540	480	24	100	295	1610	840	200	1610	840	200	SD43-4
	132M	132M	65	80	125	1205	510	1310	840	608	541	328	540	480	24	100	303	1610	840	200	1610	840	200	SD43-4
	160M	160M	65	80	125	1310	615	1310	840	608	588	328	540	480	24	100	342	1610	840	200	1610	840	200	SD43-4
	160L	160L	65	80	125	1365	670	1460	940	608	588	328	610	550	29	100	409	1860	1010	300	1860	1010	300	SD43-4
80/160	90S	90S	80	100	125	945	320	1040	660	508	443	283	450	400	24	140	134	1340	750	200	1340	750	200	SD43-2
	90L	90L	80	100	125	970	345	1040	660	508	443	283	450	400	24	140	137	1340	750	200	1340	750	200	SD43-2
	100L	100L	80	100	125	1010	385	1040	660	508	453	283	450	400	24	140	146	1340	750	200	1340	750	200	SD43-2
	100L	100L	80	100	125	1010	385	1040	660	508	453	283	450	400	24	140	149	1340	750	200	1340	750	200	SD43-2
80/200	112M	112M	80	100	125	1025	400	1040	660	508	471	283	450	400	24	140	161	1340	750	200	1340	750	200	SD43-2
	90L	90L	80	100	125	1080	345	1160	740	533	443	283	490	440	24	140	190	1460	790	200	1460	790	200	SD43-2
	100L	100L	80	100	125	1120	385	1160	740	533	453	283	490	440	24	140	198	1460	790	200	1460	790	200	SD43-2
	100L	100L	80	100	125	1120	385	1160	740	533	453	283	490	440	24	140	201	1460	790	200	1460	790	200	SD43-2
80/250	112M	112M	80	100	125	1135	400	1160	740	533	471	283	490	440	24	140	214	1460	790	200	1460	790	200	SD43-2
	132S	132S	80	100	125	1205	470	1310	840	533	496	283	540	480	24	140	259	1610	840	200	1610	840	200	SD43-4
	100L	100L	80	100	125	1120	385	1160	740	533	453	283	490	440	24	140	214	1460	790	200	1460	790	200	SD43-2
	100L	100L	80	100	125	1120	385	1160	740	533	453	283	490	440	24	140	201	1460	790	200	1460	790	200	SD43-2









Dimensions, weights Wilo-NL(with spacer coupling)

Motor data, dimensions, weights (2900 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																							
NL...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸					
			DN <sub>2</sub>	DN <sub>1</sub>	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>2</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	S <sub>4</sub>	X	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>	Rubber shock pad model 减震垫型号 6 pieces/set 6块/台	
	[kW]	[MG]																				[mm]	
40/125	1.1	80	40	65	80	835	295	1040	660	355	355	215	450	400	24	100	110	1340	750	200	SD43-2		
	1.5	90S	40	65	80	860	320	1040	660	355	375	215	450	400	24	100	115	1340	750	200	SD43-2		
	2.2	90L	40	65	80	885	345	1040	660	355	375	215	450	400	24	100	133	1340	750	200	SD43-2		
	3	100L	40	65	80	925	385	1040	660	355	385	215	450	400	24	100	142	1340	750	200	SD43-2		
40/160	2.2	90L	40	65	80	885	345	1040	660	395	395	235	450	400	24	100	135	1340	750	200	SD43-2		
	3	100L	40	65	80	925	385	1040	660	395	405	235	450	400	24	100	144	1340	750	200	SD43-2		
	4	112M	40	65	80	940	400	1040	660	395	423	235	450	400	24	100	156	1340	750	200	SD43-2		
	5.5	132S	40	65	80	1010	470	1040	660	395	448	235	450	400	24	100	177	1340	750	200	SD43-2		
40/200	7.5	132S	40	65	80	1010	470	1040	660	395	448	235	450	400	24	100	183	1340	750	200	SD43-2		
	5.5	132S	40	65	100	1030	470	1040	660	443	476	263	450	400	24	100	183	1340	750	200	SD43-2		
	7.5	132S	40	65	100	1030	470	1040	660	443	476	263	450	400	24	100	189	1340	750	200	SD43-2		
	11	160M	40	65	100	1175	615	1160	740	443	523	263	490	440	24	100	249	1460	790	200	SD43-2		
40/250	15	160M	40	65	100	1175	615	1160	740	443	523	263	490	440	24	100	257	1460	790	200	SD43-2		
	18.5	160L	40	65	100	1230	670	1160	740	443	523	263	490	440	24	100	274	1460	790	200	SD43-2		
	7.5	132S	40	65	100	1030	470	1040	660	508	496	283	450	400	24	100	187	1340	750	200	SD43-2		
	11	160M	40	65	100	1175	615	1160	740	508	543	283	490	440	24	100	260	1460	790	200	SD43-2		
40/315	15	160M	40	65	100	1175	615	1160	740	508	543	283	490	440	24	100	267	1460	790	200	SD43-2		
	18.5	160L	40	65	100	1230	670	1160	740	508	543	283	490	440	24	100	284	1460	790	200	SD43-2		
	15	160M	40	65	125	1310	615	1310	840	578	588	328	540	480	24	100	329	1610	840	200	SD43-4		
	18.5	160L	40	65	125	1365	670	1310	840	578	588	328	540	480	24	100	344	1610	840	200	SD43-4		
50/125	22	180M	40	65	125	1395	700	1460	940	578	603	328	610	550	29	100	441	1860	1010	300	SD43-4		
	30	200L	40	65	125	1465	770	1460	940	578	633	328	610	550	29	100	514	1860	1010	300	SD63-2		
	37	200L	40	65	125	1465	770	1460	940	578	633	328	610	550	29	100	529	1860	1010	300	SD63-2		
	1.5	90S	50	65	100	880	320	1040	660	395	395	235	450	400	24	100	117	1340	750	200	SD43-2		
50/175	2.2	90L	50	65	100	905	345	1040	660	395	395	235	450	400	24	100	135	1340	750	200	SD43-2		
	3	100L	50	65	100	945	385	1040	660	395	405	235	450	400	24	100	144	1340	750	200	SD43-2		
	4	112M	50	65	100	960	400	1040	660	395	423	235	450	400	24	100	156	1340	750	200	SD43-2		
	5.5	132S	50	65	100	1030	470	1040	660	395	448	235	450	400	24	100	177	1340	750	200	SD43-2		

Dimensions, weights Wilo-NL(with spacer coupling)

Motor data, dimensions, weights (2900 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																								
NL...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸				Rubber shock pad model 减震垫型号 6 pieces/set 6块/台		
			DN <sub>2</sub>	DN <sub>1</sub>	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>2</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	S <sub>4</sub>	X	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>				
	[kW]	[MG]	[mm]																	[kg]	[mm]			
50/160	3	100L	50	65	100	945	385	1040	660	443	433	263	450	400	24	100	151	1340	750	200	SD43-2			
	4	112M	50	65	100	960	400	1040	660	443	451	263	450	400	24	100	163	1340	750	200	SD43-2			
	5.5	132S	50	65	100	1030	470	1040	660	443	476	263	450	400	24	100	183	1340	750	200	SD43-2			
	7.5	132S	50	65	100	1030	470	1040	660	443	476	263	450	400	24	100	189	1340	750	200	SD43-2			
	11	160M	50	65	100	1175	615	1160	740	443	523	263	490	440	24	100	249	1460	790	200	SD43-2			
50/200	15	160M	50	65	100	1175	615	1160	740	443	523	263	490	440	24	100	257	1460	790	200	SD43-2			
	7.5	132S	50	65	100	1030	470	1040	660	463	476	263	450	400	24	100	193	1340	750	200	SD43-2			
	11	160M	50	65	100	1175	615	1160	740	463	523	263	490	440	24	100	253	1460	790	200	SD43-2			
	15	160M	50	65	100	1175	615	1160	740	463	523	263	490	440	24	100	261	1460	790	200	SD43-2			
	18.5	160L	50	65	100	1230	670	1160	740	463	523	263	490	440	24	100	278	1460	790	200	SD43-2			
50/250	22	180M	50	65	100	1260	700	1310	840	483	558	283	540	480	24	100	358	1610	840	200	SD43-4			
	11	160M	50	65	100	1175	615	1160	740	508	543	283	490	440	24	100	264	1460	790	200	SD43-2			
	15	160M	50	65	100	1175	615	1160	740	508	543	283	490	440	24	100	271	1460	790	200	SD43-2			
	18.5	160L	50	65	100	1230	670	1160	740	508	543	283	490	440	24	100	289	1460	790	200	SD43-2			
	22	180M	50	65	100	1260	700	1310	840	508	558	283	540	480	24	100	368	1610	840	200	SD43-4			
50/315	30	200L	50	65	100	1330	770	1310	840	528	608	303	540	480	24	100	444	1610	840	200	SD43-4			
	15	160M	50	65	125	1310	615	1310	840	608	588	328	540	480	24	100	344	1610	840	200	SD43-4			
	18.5	160L	50	65	125	1365	670	1310	840	608	588	328	540	480	24	100	360	1610	840	200	SD43-4			
	22	180M	50	65	125	1395	700	1460	940	608	603	328	610	550	29	100	457	1860	1010	300	SD43-4			
	30	200L	50	65	125	1465	770	1460	940	608	633	328	610	550	29	100	530	1860	1010	300	SD63-2			
65/125	37	200L	50	65	125	1465	770	1460	940	608	633	328	610	550	29	100	544	1860	1010	300	SD63-2			
	45	225M	50	65	125	1515	820	1460	940	608	663	328	610	550	29	100	712	1860	1010	300	SD63-2			
	55	250M	50	65	125	1645	910	1640	1060	653	738	373	660	600	29	140	837	2040	1060	300	SD63-2			
	75	280S	50	65	125	1720	985	1840	1200	683	803	403	730	670	29	140	1111	2240	1130	400	SD63-4			
	3	100L	65	80	100	945	385	1040	660	443	433	263	450	400	24	100	148	1340	750	200	SD43-2			
65/160	4	112M	65	80	100	960	400	1040	660	443	451	263	450	400	24	100	159	1340	750	200	SD43-2			
	5.5	132S	65	80	100	1030	470	1040	660	443	476	263	450	400	24	100	180	1340	750	200	SD43-2			
	7.5	132S	65	80	100	1030	470	1040	660	443	476	263	450	400	24	100	186	1340	750	200	SD43-2			
	5.5	132S	65	80	100	1030	470	1040	660	463	476	263	450	400	24	100	186	1340	750	200	SD43-2			
	7.5	132S	65	80	100	1030	470	1040	660	463	476	263	450	400	24	100	192	1340	750	200	SD43-2			
65/200	11	160M	65	80	100	1175	615	1160	740	463	523	263	490	440	24	100	252	1460	790	200	SD43-2			
	15	160M	65	80	100	1175	615	1160	740	463	523	263	490	440	24	100	260	1460	790	200	SD43-2			
	18.5	160L	65	80	100	1230	670	1160	740	463	523	263	490	440	24	100	277	1460	790	200	SD43-2			

外形尺寸及重量

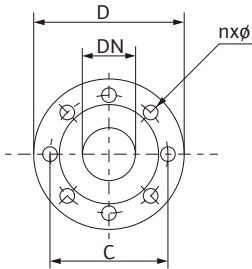


Dimensions, weights Wilo-NL(with spacer coupling)

Motor data, dimensions, weights (2900 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																								
NL...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸						
			DN <sub>2</sub>	DN <sub>1</sub>	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>2</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	S <sub>A</sub>	X	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>				
	[kW]	[MG]	[mm]																	[kg]	[mm]			
100/200	18.5	160L	100	125	125	1405	670	1460	940	583	563	303	610	550	29	140	387	1860	1010	300	SD43-4			
	22	180M	100	125	125	1435	700	1460	940	583	578	303	610	550	29	140	438	1860	1010	300	SD43-4			
	30	200L	100	125	125	1505	770	1460	940	583	608	303	610	550	29	140	512	1860	1010	300	SD63-2			
	37	200L	100	125	125	1505	770	1460	940	583	608	303	610	550	29	140	527	1860	1010	300	SD63-2			
	45	225M	100	125	125	1555	820	1640	1060	628	683	348	660	600	29	140	732	2040	1060	300	SD63-2			
100/250	30	200L	100	125	140	1520	770	1460	940	608	633	328	610	550	29	140	528	1860	1010	300	SD63-2			
	37	200L	100	125	140	1520	770	1460	940	608	633	328	610	550	29	140	543	1860	1010	300	SD63-2			
	45	225M	100	125	140	1570	820	1640	1060	628	683	348	660	600	29	140	747	2040	1060	300	SD63-2			
	55	250M	100	125	140	1660	910	1640	1060	653	738	373	660	600	29	140	834	2040	1060	300	SD63-2			
	75	280S	100	125	140	1735	985	1840	1200	683	803	403	730	670	29	140	1108	2240	1130	400	SD63-4			
125/200	90	280M	100	125	140	1785	1035	1840	1200	683	803	403	730	670	29	140	1160	2240	1130	400	SD63-4			
	55	250M	125	150	140	1660	910	1640	1060	688	738	373	660	600	29	140	849	2040	1060	300	SD63-2			
	75	280S	125	150	140	1735	985	1840	1200	718	803	403	730	670	29	140	1124	2240	1130	400	SD63-4			
	90	280M	125	150	140	1785	1035	1840	1200	718	803	403	730	670	29	140	1278	2240	1130	400	SD63-4			
	110	315S	125	150	140	1910	1160	1860	1200	753	938	438	1000	940	29	140	1350	2260	1400	400	SD63-4			

## Flange dimensions Wilo-NL 法兰尺寸

### Dimension drawing 法兰尺寸图



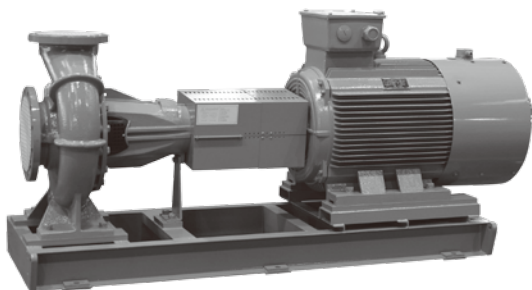
### Flange dimensions (suction side) 铸铁法兰尺寸 (进口端)

Wilo-NL ...	Nominal diameter 公称直径	Pump flange dimensions 水泵法兰尺寸			Flange 法兰
	DN <sub>1</sub>	Ø D <sub>1</sub> [mm]	Ø C <sub>1</sub>	n x Ø [pcs. x mm]	PN
32...	50	165	125	4 x 19	16
40...	65	185	145	4 x 19	16
50...	65	185	145	4 x 19	16
65...	80	200	160	4 x 19	16
80...	100	220	180	8 x 19	16
100...	125	250	210	8 x 19	16
125...	150	285	240	8 x 19	16
150...	200	340	295	12 x 23	16

### Flange dimensions (pressure side) 铸铁法兰尺寸 (出口端)

Wilo-NL ...	Nominal diameter 公称直径	Pump flange dimensions 水泵法兰尺寸			Flange 法兰
	DN <sub>2</sub>	Ø D <sub>2</sub> [mm]	Ø C <sub>2</sub>	n x Ø [pcs. x mm]	PN
32...	32	140	100	4 x 19	16
40...	40	150	110	4 x 19	16
50...	50	165	125	4 x 19	16
65...	65	185	145	4 x 19	16
80...	80	200	160	8 x 19	16
100...	100	220	180	8 x 19	16
125...	125	250	210	8 x 19	16
150...	150	285	240	8 x 23	16

## Series description Wilo-NLG 系列说明



### Wilo-NLG

Baseplate pump with axial suction, in accordance with EN 733 (previously DIN 24255)/EN 22858 and ISO 5199

#### Application

- Pumping clean or slightly contaminated water (max. 20 ppm) without solid matter for circulation, transfer and pressure boosting purposes.
- Pumping heating water in accordance with VDI 2035, water-glycol mixtures, cooling/cold water and industrial water.
- Applications in municipal water supply, irrigation, building services, general industry, power stations, etc.

#### Scope of delivery

- Pump with bare shaft end or
- Pump on baseplate with coupling and coupling protection, without motor or
- Completely mounted pump on baseplate with electric motor
- Pump casing/cover: QT500-7 ductile cast iron;  
Impeller: EN-GJL 250 - grey cast iron or bronze CT1; mechanical seal;  
standard coupling or spacer coupling
- Installation and operating instructions

#### Type key

Example	NLG 200/400 -110/4
NLG	Horizontal end suction pump
200	Nominal diameter in DN (discharge side)
400	Nominal impeller diameter
110	Nominal motor power $P_2$ in kW
4	Number of poles

#### Special features/product benefits

- Burgmann mechanical seal
- Branded shaft protection
- SPM connections for vibration and temperature sensors
- Shaft deflection in accordance with the DIN ISO 5199
- Greased for life 2Z oversized ball bearings

### Wilo-NLG

卧式端吸离心泵，符合 EN 733 标准（原 DIN 24255 标准）/EN 22858 和 ISO 5199 标准

#### 应用

- 泵送洁净或不含固体颗粒的微污染水（最大 20 ppm），用于循环，输送和增压供水。
- 泵送水质要求符合 VDI 2035 标准的热热水，水 - 乙二醇混合液，冷却水 / 冷水和工业用水。
- 应用在市政供水，灌溉，楼宇，一般工业，电站等。

#### 供货范围

- 泵头
- 泵头、底座、联轴节和联轴节防护罩，不配电机
- 由泵头，联轴节、联轴节防护罩电机和底座组成的整泵
- 泵体/泵盖：QT500-7 - 球墨铸铁；  
叶轮：EN-GJL 250 - 灰铸铁或青铜 CT1；机械密封；  
标准联轴节或易拆卸短节
- 安装及操作维护说明书

#### 型号

例	NLG 200/400 -110/4
NLG	卧式端吸离心泵
200	出口公称直径 DN
400	名义叶轮直径
110	电机额定功率 $P_2$ (kW)
4	电机极数

#### 产品特点/优点

- 博格曼机械密封
- 轴保护
- SPM 振动检测接口和温度传感器
- 轴挠度符合 DIN ISO 5199 标准
- 放大尺寸的深沟球轴承

## Series description Wilo-NLG 系列说明

### Materials

- Pump housing
  - Ductile cast iron spiral with anti-rotation ribs.
  - With axially aligned suction piece and radial pressure ports and cast assembly feet.
  - Dimensions and hydraulics are in accordance with DIN EN 733/DIN EN 22858
  - Flange PN 16 in accordance with ISO 7005-2
- Standard mechanical shaft seal AQ1EGG for water up to 120°C
- Stuffing box for water up to 110°C

### Description/design

- Single-stage low-pressure centrifugal pump as baseplate pump with axial suction piece with flanged bearing bracket and axis mounting for flexibly coupled drives.
- Spacer coupling (sleeve coupling) available as an option; they make it possible to leave the motor in position when removing the rotor unit.
- Shaft deflection meets the requirements of ISO 5199.

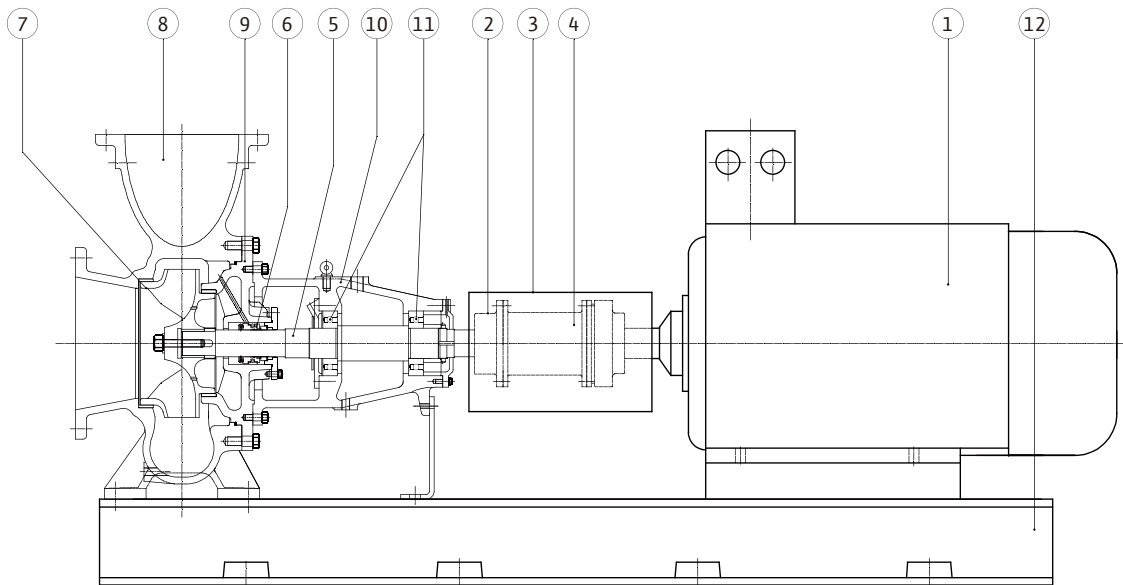
### 材质

- 泵体
  - 球墨铸铁蜗壳。
  - 轴向进水，径向出水。
- 尺寸和性能符合 DIN EN 733/DIN EN 22858 标准
- 法兰承压 PN 16 符合 ISO 7005-2 标准
- 标准机械密封 AQ1EGG 最高允许水温 120°C
- 填料函密封的最高允许水温 110°C

### 设计说明

- 卧式单级低扬程端吸离心泵，带轴承架和挠性联轴节，装于底座之上。
- 配有易拆卸短节；在移动转子组时留有足够的拆卸空间，不需移动电机。
- 轴挠度满足 ISO 5199 要求。

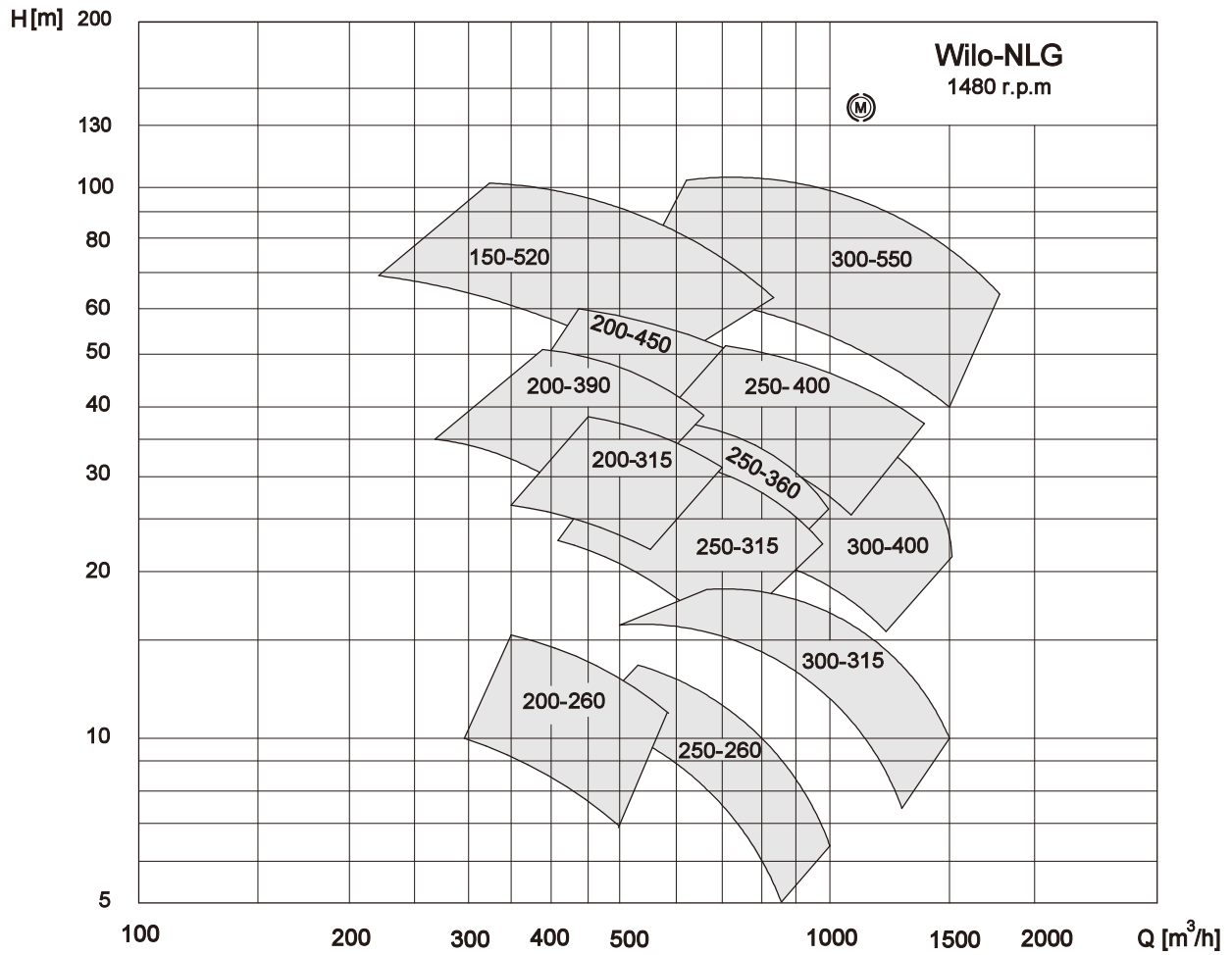
### Section drawing 水泵结构图



1	Motor	电机	7	Impeller	叶轮
2	Coupling	联轴节	8	Pump casing	泵体
3	Coupling protection	联轴节防护罩	9	Housing cover	端盖
4	Spacer	易拆卸短节	10	Bearing bracket	轴承架
5	Shaft	泵轴	11	Roller bearing	轴承
6	Mechanical seal	机械密封	12	Baseplate	底座



Wilo-NLG 总特性曲线



End-suction pumps  
卧式端吸离心泵

Technical data Wilo-NLG 技术参数		
		Wilo-NLG
<b>Approved fluids (other fluids on request) 允许的输送介质(其他介质请来函咨询)</b>		
Heating water (in acc. with VDI 2035) 供暖热水(符合VDI 2035 标准)		•
Cooling and cold water 冷却水和冷水		•
Water-glycol mixtures (for 20-40% vol. glycol and fluid temperature ≤40°C) 水-乙二醇混合液 (乙二醇溶液体积含量20-40%, 且温度 ≤ 40°C)		• (from 10 vol.% glycol: performance check required up to 50% glycol: mechanical seal on request) (乙二醇含量超过10%: 性能参数需重新调整; 溶液体积含量达50%: 机械密封请来函咨询)
<b>Permitted field of application 应用范围</b>		
Max. operating pressure at fluid temperature of +120°C [bar]	介质温度120°C时最大工作压力	16
Temperature range [°C]	温度范围 [°C]	-20 ~ +120°C
Max. ambient temperature [°C]	最高环境温度	+40°C
<b>Pipe connections 管路连接</b>		
Nominal connection diameters DN on suction side: on pressure side:	连接管径 DN 进口端 出口端	200-350 (larger nominal diameters on request) (其他口径请来函咨询) 150-300 (larger nominal diameters on request) (其他口径请来函咨询)
Flanges (according to ISO 7005-2)	法兰承压(符合 ISO 7005-2)	PN16
<b>Materials 材质</b>		
Pump casing/cover	泵体/泵盖	• QT500-7 球墨铸铁
Bearing bracket	轴承托架	• EN-GJL-250 铸铁
Impeller (standard)	叶轮(标准)	• EN-GJL-250 铸铁
Impeller (special version)	叶轮(特殊)	- bronze CT1 青铜
Pump shaft	泵轴	• X30Cr13 不锈钢
Mechanical seal	机械密封	• AQ1EGG (carbon/silicon carbide/EPDM) 碳化硅/石墨
Other mechanical seals	其他机械密封	- on request (depending on the pumped liquid) 其他(来函咨询)
Non-cooled stuffing box	无需冷却的填料函	- version at no additional charge 无需加价
<b>Electrical connection 电气连接</b>		
Speed range [rpm]	转速 [rpm]	• 1480
Speed range (special version at additional charge) [rpm]	转速 (另需加价) [rpm]	• 950
<b>Motor/electronics 电机</b>		
Factory standard IEC motor	IEC 电机	•
West European brand production	西欧品牌电机	- special version at additional charge 另需加价
Protection class	防护等级	• IP55
Insulation class	绝缘等级	• F
PTC thermistor sensor	PTC 热敏电阻传感器	- tripping unit required 配继电器
Motor protection required onsite	现场需配电机保护	- (To be provided for onsite installation) (现场由其它方提供)

## Technical data Wilo- NLG 技术参数

		<b>Wilo-NLG</b>	
Energy efficiency class	能效等级		CL 2 (IE 2 at additional charge) 国标能效2级(配置IE 2电机另需加价)
Speed control	转速控制	-	Wilo control devices external frequency converter (additional charge) Wilo 控制装置,变频器(另需加价)
Motor winding from 4kW	电机绕组 ≥ 4 kW	•	380 V /660 VY, 50 Hz
Other voltages/frequencies	其他电压/频率	-	Special version at additional charge 另需加价
Direct current	直流电机	-	Special version at additional charge 另需加价
Explosion-protected versions	防爆电机	-	Special version at additional charge 另需加价

- = available 标准配置
- = not available 可选用

## Technical data Wilo-NLG 技术参数

### 水泵混凝土基础 Plinth Mounting of Pumps

水泵的正确安装和稳固的基础是水泵低噪音的重要因素。  
The correct planning and execution of stable concrete foundations is a deciding factor for the low-noise operation of pumps.

为增加设备质量和消除不平衡受力，建议水泵底座和混凝土基础之间采用直接固定连接的方式。

To increase the stabilizing mass and to compensate for unbalanced forces it is recommended to allow a direct and rigid connection between the pump unit and the base block.

为确保水泵振动不传递给建筑结构，水泵基座应与建筑结构用弹性件隔离。

To ensure that no vibration is transmitted to the building structure it is however required to isolate the base block itself from the building structure by means of an elastic isolator.

隔离物的种类、数量的选择取决于不同的因素，例如：旋转速度、设备重量和重心，建筑结构和管路的外部影响等等。

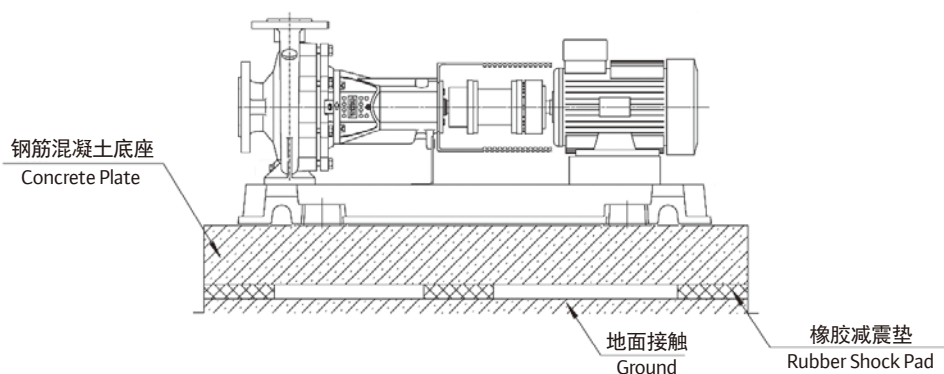
Selection of the kind and material of the isolator depends on a number of different factors (and areas of responsibility), including speed, unit mass and centre of gravity, the building structure (architect) and other external influences by the pipework, etc. (Planning engineers/installation company).

特别提醒：为保证水泵合理的隔声、减噪，请向有关专业人士咨询基础的设计。

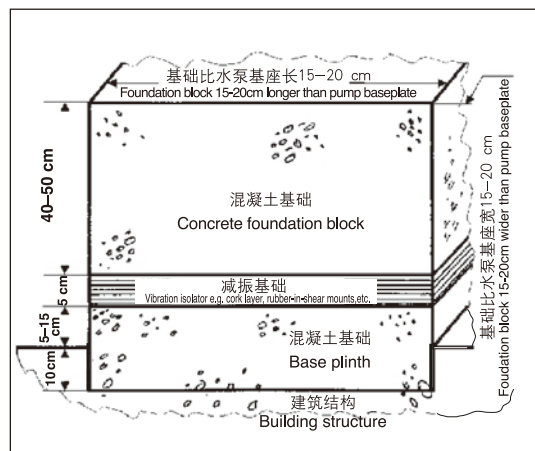
It is highly recommended—in order to cover all aspects of relevant building and acoustical criteria to employ a qualified acoustics consultant to advise on the planning and execution of equipment foundations.

基础的外形尺寸应比水泵底座的外形尺寸每边各增加15–20cm。  
Length and width of the foundation block should be approx. 15 to 20 cm larger than the outer dimensions of the pump baseplate.

### 水泵安装示意图 Installation Chart



### 水泵基础示意 Pump Base Construction



浇灌基础时注意避免在基础与混凝土基座之间产生声桥。

When pouring the base plinth care must be taken to avoid any sound bridges (plaster, tiles, ancillary construction, etc.) between the base plinth and the base block.

安装水泵管路时要避免水泵承受其他外力。建议在水泵进、出口管路附近安装管路固定装置。

The consultant/contractor has to take care that pipe connections to the pump are made free of stress on the pump body and without any influences from mass and oscillating forces. It is recommended to firmly anchor the pipework at the suction and discharge ports of the pump.

水泵安装完成后注意要进行水泵的对中调整。

After installing flexibly coupled pumps in position it is necessary to properly align the baseplate and the thereon mounted pump with coupling and motor (on site by others).

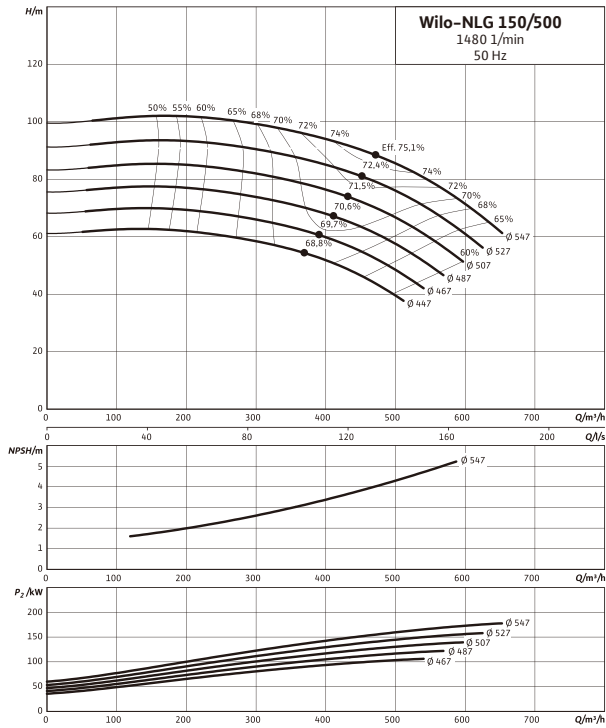
建议由威乐公司售后服务人员负责水泵试车。

Commissioning the pump by the Wilo Service is recommended.

Pump curves Wilo - NLG 性能曲线

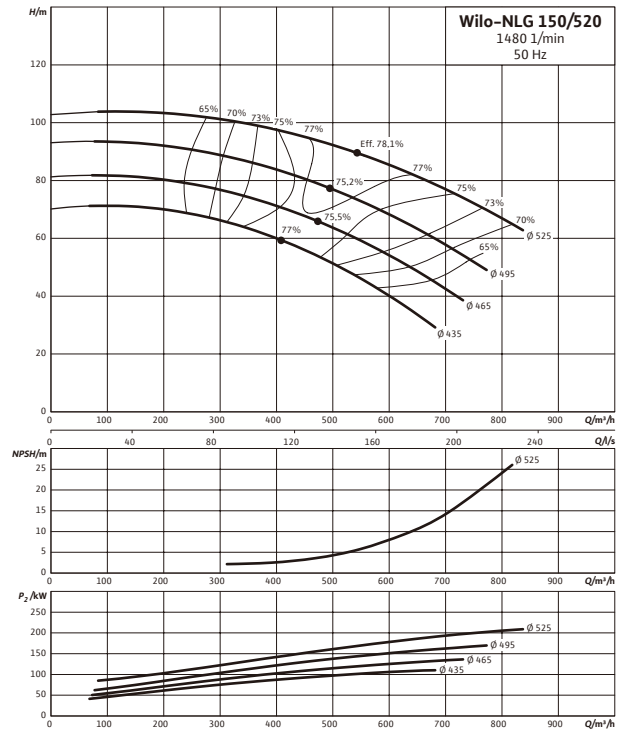
Wilo-NLG 150/500

Speed 1480 rpm



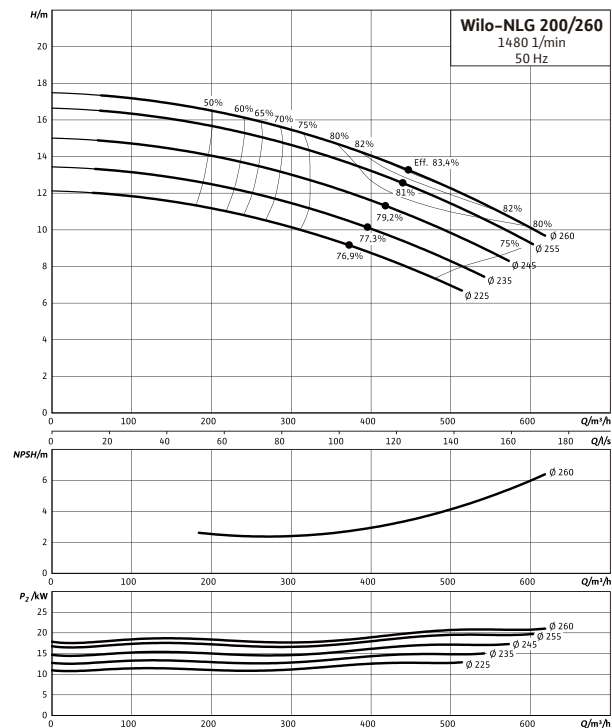
Wilo-NLG 150/520

Speed 1480 rpm



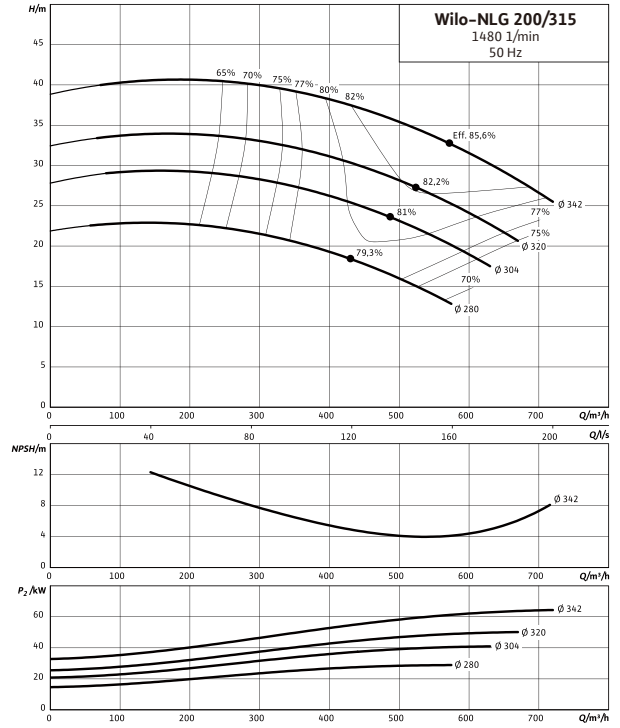
Wilo-NLG 200/260

Speed 1480 rpm



Wilo-NLG 200/315

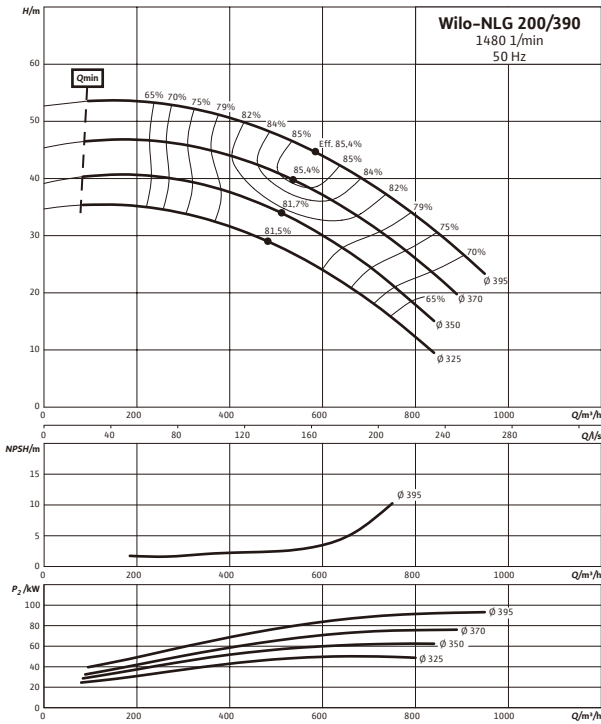
Speed 1480 rpm



## Pump curves Wilo - NLG 性能曲线

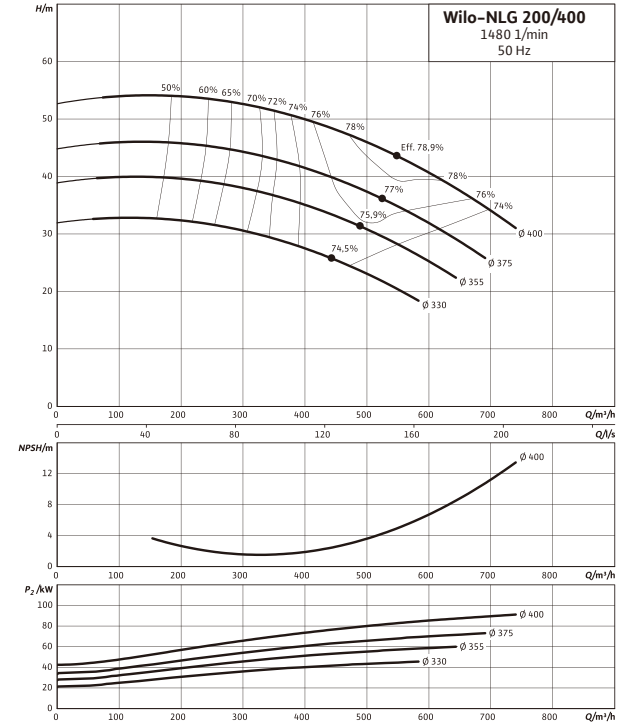
### Wilo-NLG 200/390

Speed 1480 rpm



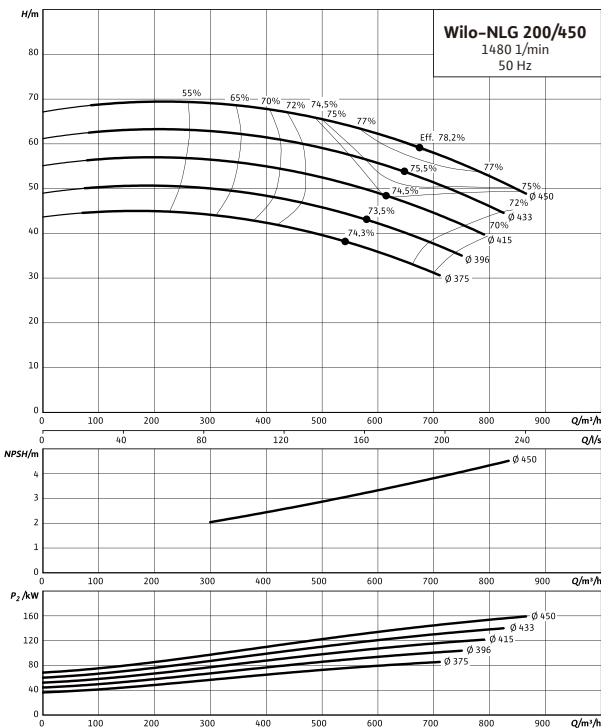
### Wilo-NLG 200/400

Speed 1480 rpm



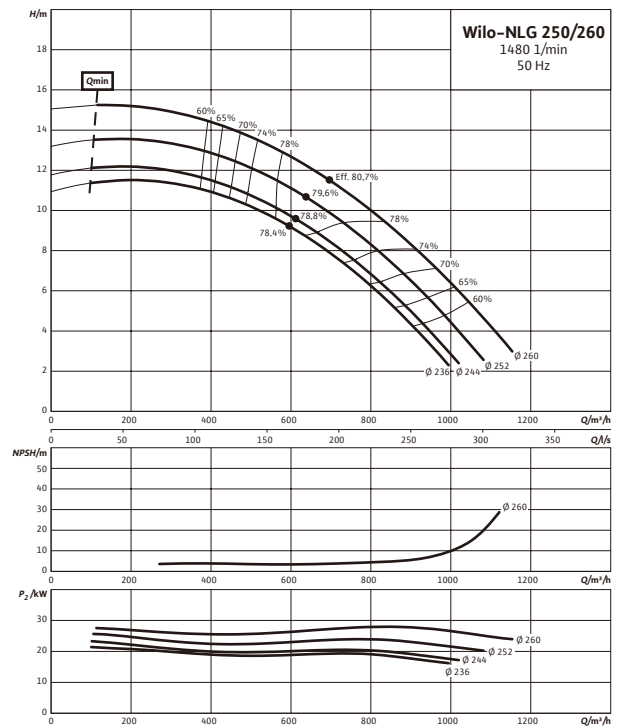
### Wilo-NLG 200/450

Speed 1480 rpm



### Wilo-NLG 250/260

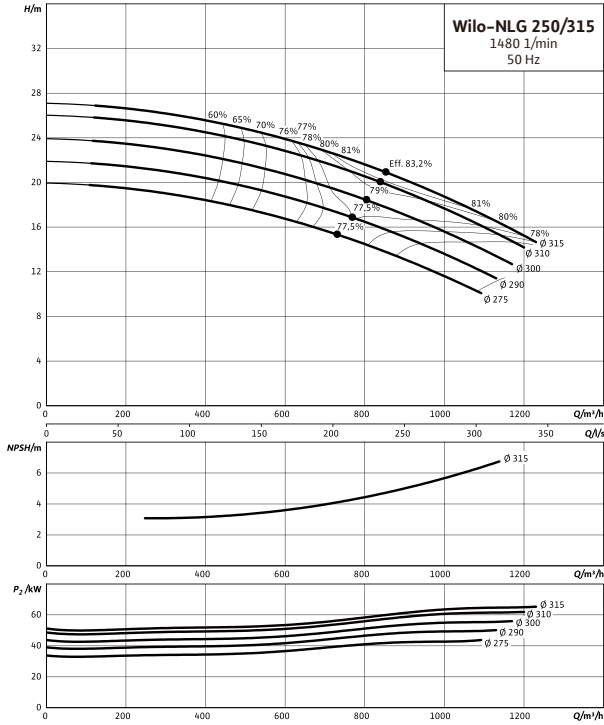
Speed 1480 rpm



Pump curves Wilo - NLG 性能曲线

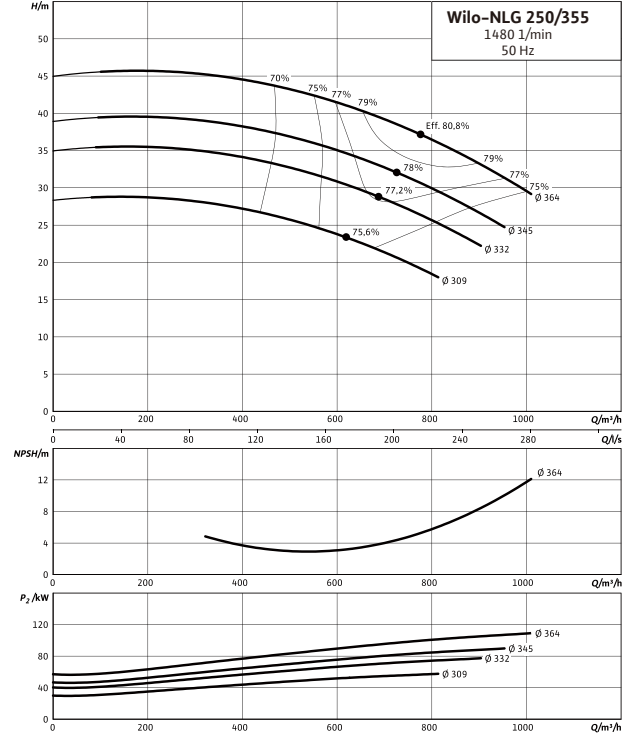
Wilo-NLG 250/315

Speed 1480 rpm



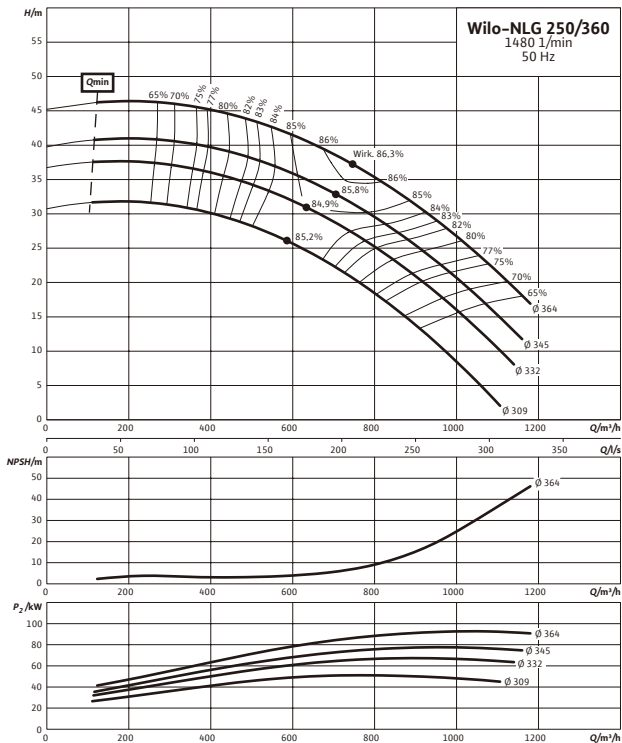
Wilo-NLG 250/355

Speed 1480 rpm



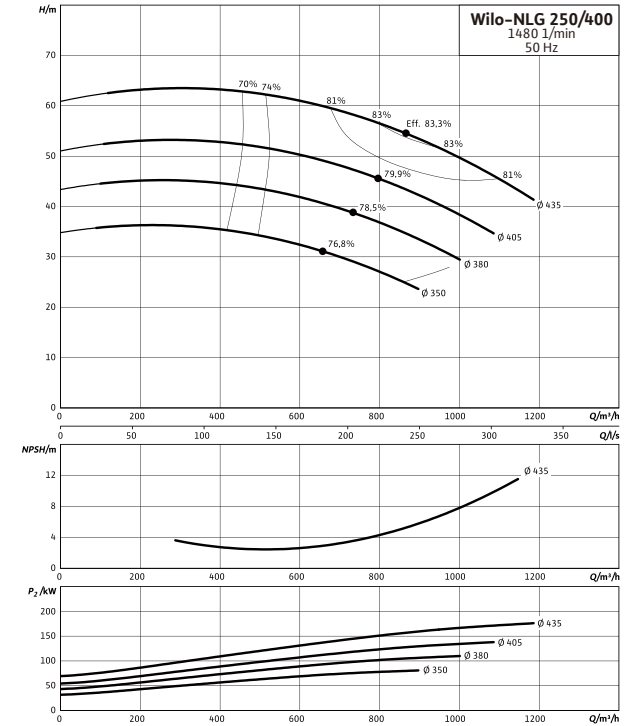
Wilo-NLG 250/360

Speed 1480 rpm



Wilo-NLG 250/400

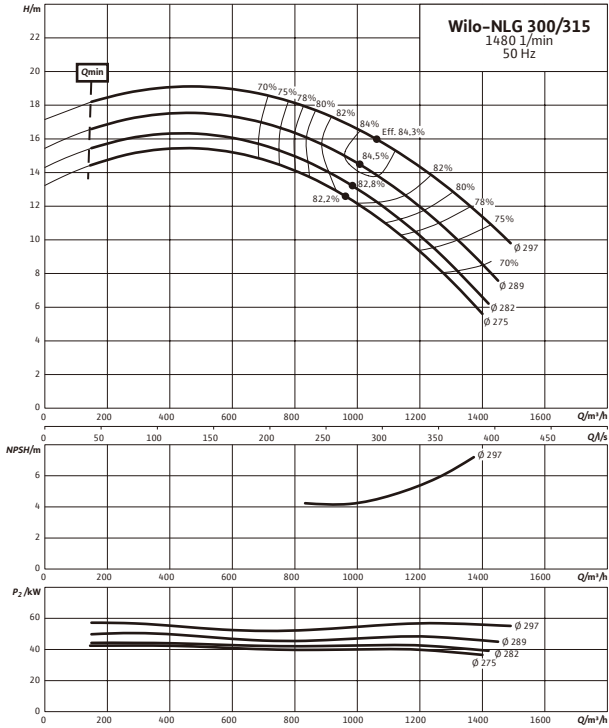
Speed 1480 rpm



## Pump curves Wilo - NLG 性能曲线

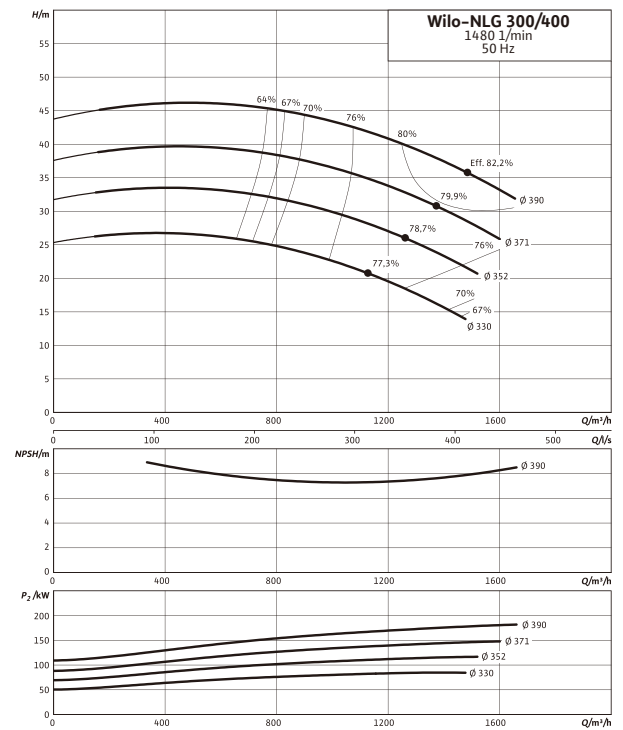
### Wilo-NLG 300/315

Speed 1480 rpm



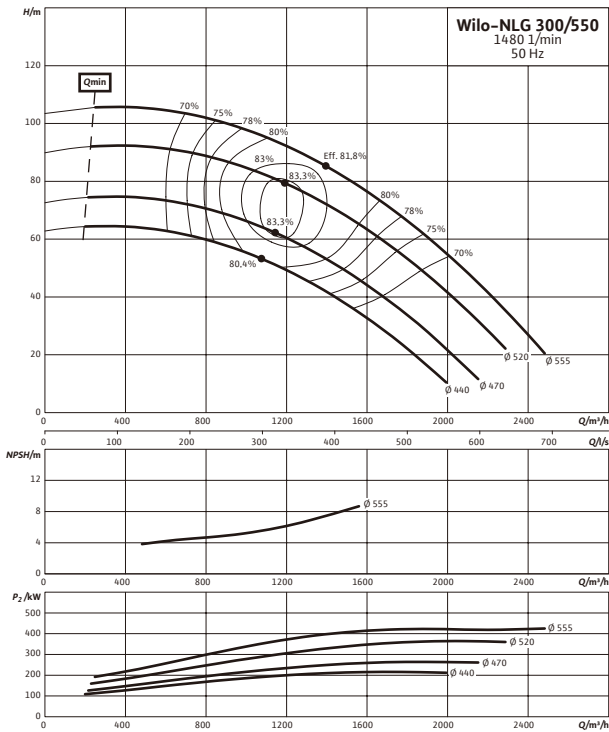
### Wilo-NLG 300/400

Speed 1480 rpm



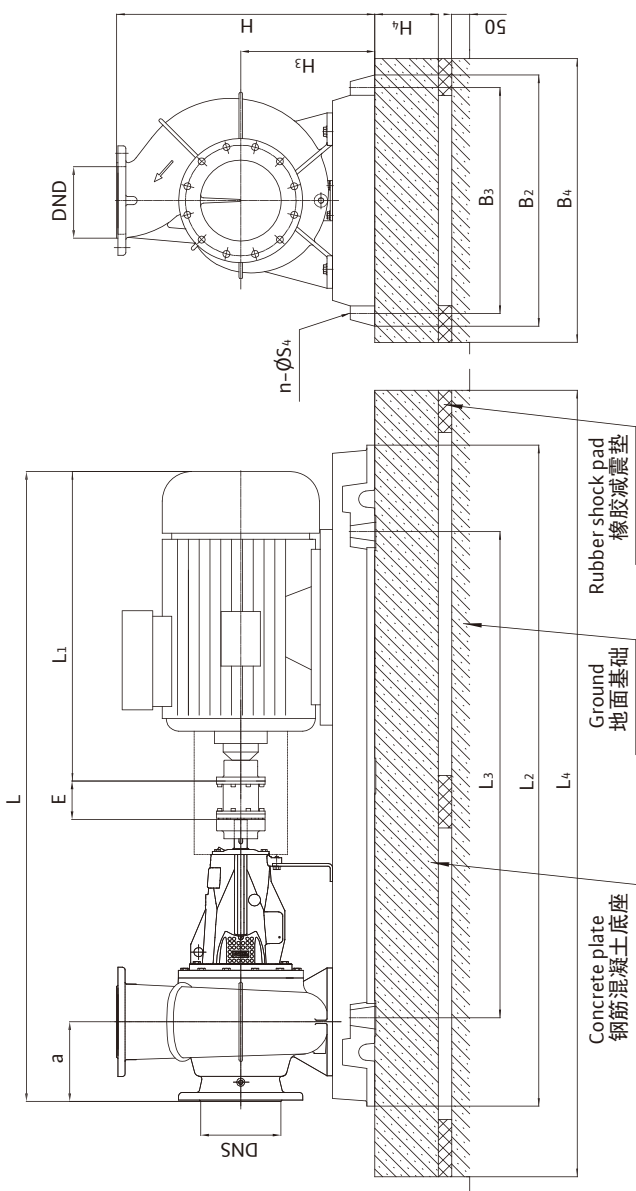
### Wilo-NLG 300/550

Speed 1480 rpm





## Dimensions, weights Wilo-NLG(with spacer coupling)

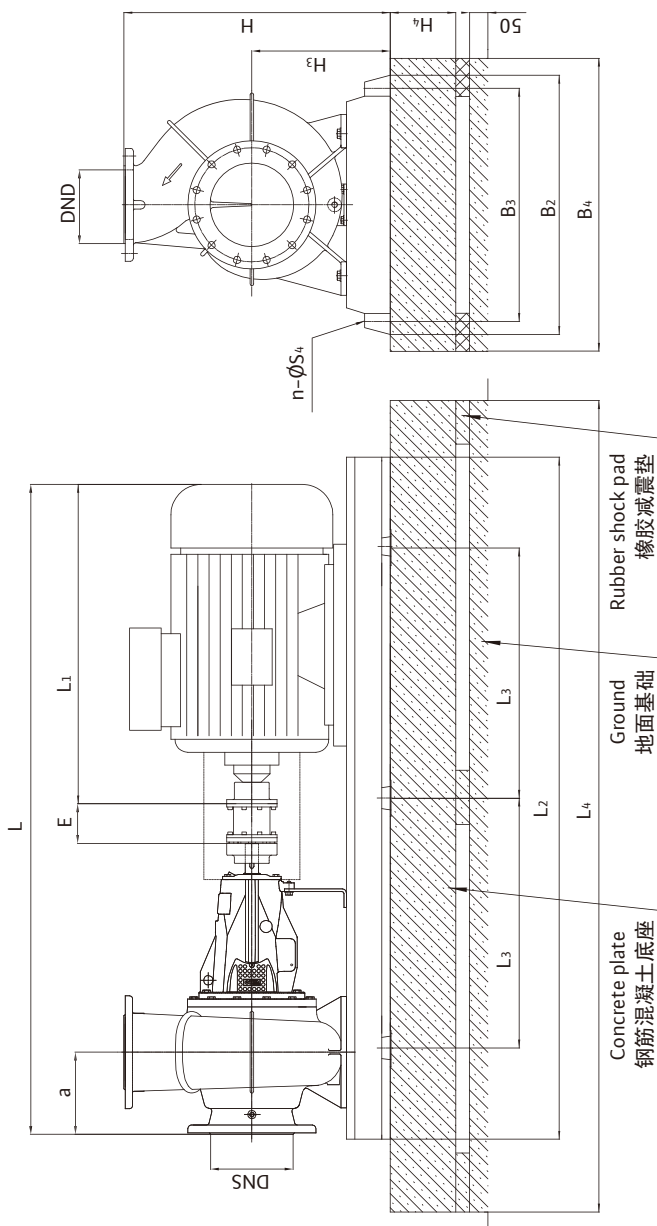


The length and width of the base block should be approx. 15 to 30 cm greater than the outer dimensions of the pump baseplate.  
水泵基础的外形尺寸应比水泵底座的外形尺寸每边增加15-30cm。  
尺寸 L, L3: 大概尺寸, 不同品牌电机尺寸不同。

Motor data, dimensions, weights (1480 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)

NLG...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径	Dimensions 外形尺寸										Weight approx. 重量	Concrete plate dimensions 基础尺寸			Rubber shock pad model 减震垫型号		
				a	L	L1	L2	L3	H	H3	B2	B3	n		ØS <sub>4</sub>	E	M		L <sub>4</sub>	B <sub>4</sub>
	[kW]	[MG]	DNS DND	[mm]										[kg]	[mm]					
200/315	37	225S	250 200	180	1854	815	1850	1200	885	435	730	670	4	29	180	935	2240	1130	300	SD63-4
	45	225M	250 200	180	1879	840	1850	1200	885	435	730	670	4	29	180	935	2240	1130	300	SD63-4
	55	250M	250 200	180	1959	920	1850	1200	885	435	730	670	4	29	180	1045	2240	1130	300	SD63-4
250/355	55	250M	300 250	250	2019	920	1850	1200	945	470	730	670	4	29	180	1095	2240	1130	300	SD63-4
250/360	55	250M	300 250	250	2019	920	1850	1200	945	470	730	670	4	29	180	1060	2240	1130	300	SD63-4

## Dimensions, weights Wilo-NLG(with spacer coupling)



The length and width of the base block should be approx. 15 to 30 cm greater than the outer dimensions of the pump baseplate.

Dimensions L, L3: approximate dimension, since this depends on the make of the motor.

水泵基础的外形尺寸应比水泵底座的外形尺寸每边增加15-30cm。  
尺寸 L, L3: 大概尺寸, 不同品牌电机尺寸不同。

Motor data, dimensions, weights (1480 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)

NLG...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量	Concrete plate dimensions 基础尺寸				Rubber shock pad model 减震垫型号	
			DNS	DND	a	L	L1	L2	L3	H	H3	B2	B3	n		ØS4	E	M	L4		B4
	[kW]	[MG]				[mm]										[kg]	[mm]				
	75	75	200	150	170	1980.5	960	1958	789	1075	550	760	640	6	26	180	1245	2358	1160	400	SD63-4
	90	90	200	150	170	2030.5	1010	1958	789	1075	550	760	640	6	26	180	1285	2358	1160	400	SD63-4
	110	110	200	150	170	2240.5	1220	2126	873	1115	590	760	640	6	26	180	1775	2526	1160	400	SD63-4
	132	132	200	150	170	2350.5	1330	2126	873	1115	590	760	640	6	26	180	1835	2526	1160	400	SD63-4
	160	160	200	150	170	2350.5	1330	2126	873	1115	590	760	640	6	26	180	1895	2526	1160	400	SD82-4

Dimensions, weights Wilo-NLG(with spacer coupling)

Motor data, dimensions, weights (14-80 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																						
NLG...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径		Dimensions 外形尺寸										Weight approx. 重量			Concrete plate dimensions 基础尺寸				Rubber shock pad model 减震垫型号
			DNS	DND	L	L1	L2	L3	H	H3	B2	B3	n	ØS <sub>A</sub>	E	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>			
			[kW]	[MG]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
150/520	90	280M	200	150	2030.5	1010	1958	789	1075	550	760	640	6	26	180	1295	2358	1160	400	SD63-4		
	110	315S	200	150	2240.5	1220	2126	873	1115	590	760	640	6	26	180	1785	2526	1160	400	SD63-4		
	132	315M	200	150	2350.5	1330	2126	873	1115	590	760	640	6	26	180	1845	2526	1160	400	SD63-4		
	160	315L1	200	150	2350.5	1330	2126	873	1115	590	760	640	6	26	180	1905	2526	1160	400	SD82-4		
200/260	200	315L2	200	150	2350.5	1330	2126	873	1115	590	760	640	6	26	180	2015	2526	1160	500	SD82-4		
	250	355M	200	150	2550.5	1530	2126	873	1115	590	760	640	6	26	180	2585	2526	1160	500	SD82-4		
	15	160L	200	200	1887	665	1958	789	845	450	760	640	6	26	250	636	2358	1160	300	SD63-4		
	18.5	180M	200	200	1932	710	1958	789	845	450	760	640	6	26	250	670	2358	1160	300	SD63-4		
200/315	22	180L	200	200	1967	745	1958	789	845	450	760	640	6	26	250	690	2358	1160	300	SD63-4		
	30	200L	200	200	1992	770	1958	789	845	450	760	640	6	26	250	765	2358	1160	300	SD63-4		
	75	280S	250	200	1999	960	1958	789	915	465	760	640	6	26	180	1120	2358	1160	400	SD63-4		
	90	280M	250	200	2049	1010	1958	789	915	465	760	640	6	26	180	1160	2358	1160	400	SD63-4		
200/390	55	250M	250	200	1925	920	1958	789	975	550	760	640	6	26	180	955	2358	1160	400	SD63-4		
	75	280S	250	200	1965	960	1958	789	975	550	760	640	6	26	180	1145	2358	1160	400	SD63-4		
	90	280M	250	200	2015	1010	1958	789	975	550	760	640	6	26	180	1185	2358	1160	400	SD63-4		
	110	315S	250	200	2225	1220	2126	873	1015	590	760	640	6	26	180	1675	2526	1160	400	SD63-4		
200/400	75	280S	250	200	1965	960	1958	789	975	550	760	640	6	26	180	1135	2358	1160	400	SD63-4		
	90	280M	250	200	2015	1010	1958	789	975	550	760	640	6	26	180	1175	2358	1160	400	SD63-4		
	110	315S	250	200	2225	1220	2126	873	1015	590	760	640	6	26	180	1665	2526	1160	400	SD63-4		
	90	280M	250	200	2020	1010	1958	789	950	500	760	640	6	26	180	1225	2358	1160	400	SD63-4		
200/450	110	315S	250	200	2230	1220	2126	873	990	540	760	640	6	26	180	1715	2526	1160	400	SD63-4		
	90	280M	250	200	2340	1330	2126	873	990	540	760	640	6	26	180	1775	2526	1160	400	SD63-4		
	160	315L1	250	200	2340	1330	2126	873	990	540	760	640	6	26	180	1835	2526	1160	400	SD63-4		
	200	315L2	250	200	2340	1330	2126	873	990	540	760	640	6	26	180	1945	2526	1160	500	SD82-4		
250/260	22	180L	250	250	2022	745	1958	789	950	500	760	640	6	26	300	725	2358	1160	300	SD63-4		
	30	200L	250	250	2047	770	1958	789	950	500	760	640	6	26	300	800	2358	1160	300	SD63-4		
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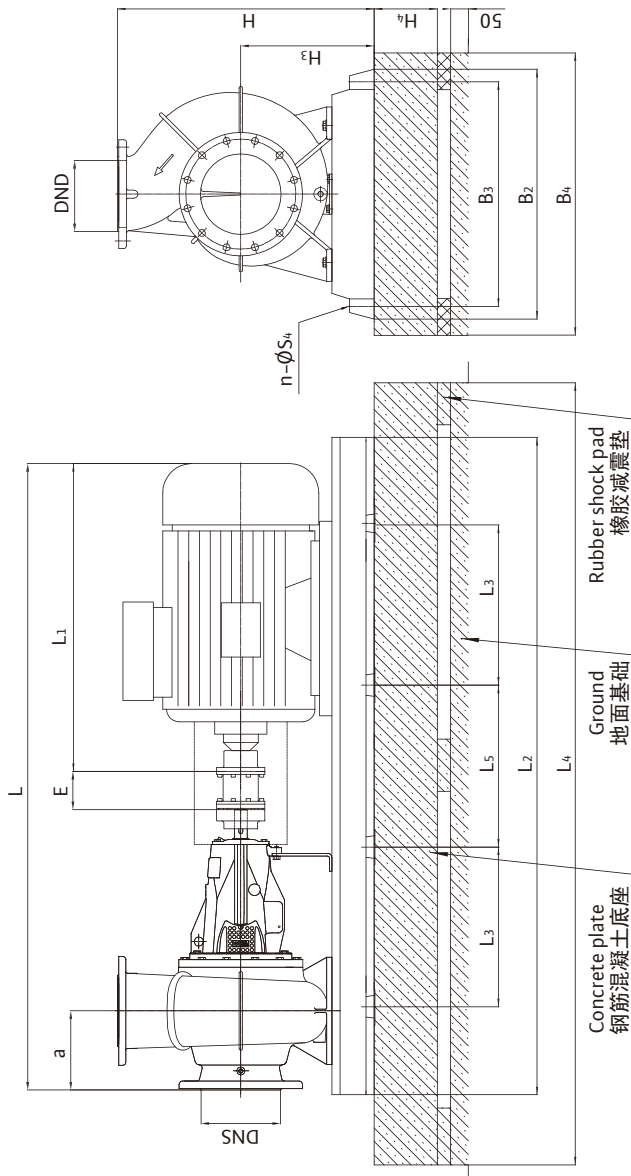
Subject to change without prior notice.

威乐公司不断改进和创新产品, 若技术参数发生改变, 以变更后数据为准, 保留技术更改的权利。

Dimensions, weights Wilo-NLG(with spacer coupling)

Motor data, dimensions, weights (1480 rpm, with spacer coupling) 电机参数, 外形尺寸及重量 (配易拆卸短节)																							
NLG...	Nominal motor power 电机额定功率 P <sub>2</sub>	Motor size 电机编码 -	Nominal diameter 公称直径 DNS DND		Dimensions 外形尺寸											Weight approx. 重量			Concrete plate dimensions 基础尺寸				Rubber shock pad model 减震垫型号
			[kW]	[MG]	a	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	H	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>	n	ØS <sub>a</sub>	E	M	L <sub>4</sub>	B <sub>4</sub>	H <sub>4</sub>	[mm]	[kg]	
250/315	45	225M	300	250	290	2180	840	2126	873	985	530	760	640	6	26	300	1010	2526	1160	300	SD63-4		
	55	250M	300	250	290	2260	920	2126	873	985	530	760	640	6	26	300	1100	2526	1160	300	SD63-4		
	75	280S	300	250	290	2300	960	2126	873	985	530	760	640	6	26	300	1290	2526	1160	400	SD63-4		
	90	280M	300	250	290	2350	1010	1958	789	945	490	760	640	6	26	300	1250	2358	1160	400	SD63-4		
250/355	110	315S	300	250	290	2560	1220	2126	873	985	530	760	640	6	26	300	1740	2526	1160	400	SD63-4		
	75	280S	300	250	250	2059	960	1958	789	975	500	760	640	6	26	180	1170	2358	1160	400	SD63-4		
	90	280M	300	250	250	2109	1010	1958	789	975	500	760	640	6	26	180	1210	2358	1160	400	SD63-4		
	110	315S	300	250	250	2319	1220	2126	873	1015	540	760	640	6	26	180	1700	2526	1160	500	SD82-4		
250/360	132	315M	300	250	250	2429	1330	2126	873	1015	540	760	640	6	26	180	1760	2526	1160	500	SD82-4		
	75	280S	300	250	250	2059	960	1958	789	975	500	760	640	6	26	180	1135	2358	1160	400	SD63-4		
	90	280M	300	250	250	2109	1010	1958	789	975	500	760	640	6	26	180	1175	2358	1160	400	SD63-4		
	110	315S	300	250	250	2319	1220	2126	873	1015	540	760	640	6	26	180	1665	2526	1160	500	SD82-4		
250/400	75	280S	300	250	240	2286	960	1958	789	1085	560	760	640	6	26	250	1570	2358	1160	400	SD63-4		
	90	280M	300	250	240	2336	1010	2312	966	1125	600	880	760	6	29	250	1690	2712	1300	400	SD82-4		
	110	315S	300	250	240	2546	1220	2312	966	1125	600	880	760	6	29	250	2100	2712	1300	500	SD82-4		
	45	225M	300	300	272	2149	840	2126	873	1075	575	760	640	6	26	300	995	2526	1160	300	SD63-4		
300/315	55	250M	300	300	272	2229	920	2126	873	1075	575	760	640	6	26	300	1085	2526	1160	300	SD63-4		
	75	280S	300	300	272	2269	960	2126	873	1075	575	760	640	6	26	300	1275	2526	1160	400	SD63-4		
	75	280S	350	300	280	2336	960	2312	966	1175	600	880	760	6	29	250	1695	2712	1300	400	SD82-4		
	90	280M	350	300	280	2386	1010	2312	966	1175	600	880	760	6	29	250	1735	2712	1300	400	SD82-4		

## Dimensions, weights Wilo-NLG(with spacer coupling)



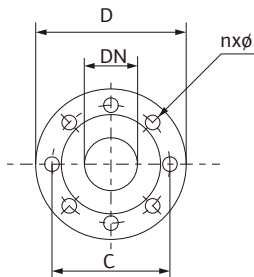
The length and width of the base block should be approx. 15 to 30 cm greater than the outer dimensions of the pump baseplate.

水泵基础的外形尺寸应比水泵底座的外形尺寸每边增加15-30cm。  
尺寸 L, L3: 大概尺寸, 不同品牌电机尺寸不同。

Motor data, dimensions, weights (1480 rpm, with spacer coupling)		电机参数, 外形尺寸及重量 (配易拆卸短节)													Concrete plate dimensions									
NLG...	Nominal motor power 电机额定功率	Motor size 电机编码	Nominal diameter 公称直径	Dimensions 外形尺寸													Weight approx. 重量				Concrete plate dimensions 基础尺寸			
				a	L	L1	L2	L3	L5	H	H3	B2	B3	n	φS4	E	M	L4	B4	H4	Rubber shock pad model 减震垫型号			
	[kW]	[MG]	[mm]	[mm]													[kg]				[mm]			
250/400	132	315M	300	240	2656	1330	2445	632.5	800	1165	640	920	760	8	29	250	2285	2845	1300	500	SD82-4			
	160	315L1	300	240	2656	1330	2445	632.5	800	1165	640	920	760	8	29	250	2345	2845	1300	600	SD82-4			
	200	315L2	300	240	2656	1330	2445	632.5	800	1165	640	920	760	8	29	250	2455	2845	1300	600	SD82-4			
300/400	110	315S	350	280	2596	1220	2445	632.5	800	1215	640	920	760	8	29	250	2270	2845	1300	500	SD82-4			
	132	315M	350	280	2706	1330	2445	632.5	800	1215	640	920	760	8	29	250	2330	2845	1300	500	SD82-4			
	160	315L1	350	280	2706	1330	2445	632.5	800	1215	640	920	760	8	29	250	2390	2845	1300	600	SD82-4			
300/550	200	315L2	350	280	2706	1330	2445	632.5	800	1350	700	920	760	8	29	250	2620	2845	1300	600	SD82-4			
	250	355M	350	280	2906	1530	2770	633	800	1350	700	920	760	8	29	250	3220	3170	1300	600	SD82-4			
	315	355L	350	280	2906	1530	2770	633	800	1350	700	920	760	8	29	250	3350	3170	1300	600	SD82-4			

## Flange dimensions Wilo-NLG 法兰尺寸

### Dimension drawing 法兰尺寸图



#### Flange dimensions (suction side) 铸铁法兰尺寸 (进口端)

Wilo-NLG ...	Nominal diameter 公称直径	Pump flange dimensions 水泵法兰尺寸			Flange 法兰
	DN <sub>1</sub>	Ø D <sub>1</sub>	Ø C <sub>1</sub>	n x Ø	PN
		[mm]		[pcs. x mm]	—
200...	200	340	295	12 X 23	16
250...	250	405	355	12 X 28	16
300...	300	460	410	12 X 28	16
350...	350	520	470	16 X 28	16

#### Flange dimensions (pressure side) 铸铁法兰尺寸 (出口端)

Wilo-NLG ...	Nominal diameter 公称直径	Pump flange dimensions 水泵法兰尺寸			Flange 法兰
	DN <sub>2</sub>	Ø D <sub>2</sub>	Ø C <sub>2</sub>	n x Ø	PN
		[mm]		[pcs. x mm]	—
150...	150	285	240	8 X 23	16
200...	200	340	295	12 X 23	16
250...	250	405	355	12 X 28	16
300...	300	460	410	12 X 28	16

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