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The banner features the Hanthing logo on the left, which consists of a stylized blue 'S' shape above the word 'Hanthing' in a blue sans-serif font. To the right of the logo is a collage of various industrial pumps and valves. A large, diagonal blue arrow points from the bottom left towards the top right, containing the text 'Water pump' in a bold, yellow, sans-serif font. To the right of this arrow, the following pump types are listed in white text on blue rectangular backgrounds: 'Inline', 'Split case', 'Multi stage', and 'End suction'. At the bottom of the banner, the website 'www.hanthing.com' is displayed in white text on a blue background. The collage also includes the phrases 'QUALITY CREATES VALUE' and 'INNOVATION SHAPES THE FUTURE'.

Hanthing

Water pump

Inline
Split case
Multi stage
End suction

www.hanthing.com



The banner features the Exthin logo on the left, which consists of a stylized yellow 'X' shape above the word 'Exthin' in a bold, yellow, sans-serif font. To the right of the logo is a collage of various industrial compressors. A large, diagonal black arrow points from the bottom left towards the top right, containing the text 'Air Compressor' in a bold, yellow, sans-serif font. To the right of this arrow, the following compressor types are listed in yellow text on black rectangular backgrounds: 'Portable', 'Screw', and 'Piston'. At the top of the banner, the website 'www.exthin.com' is displayed in white text on a black background. On the right side of the banner is a detailed image of a large industrial air compressor unit with a blue tank and various pipes and valves.

www.exthin.com

Exthin

Air Compressor

Portable
Screw
Piston

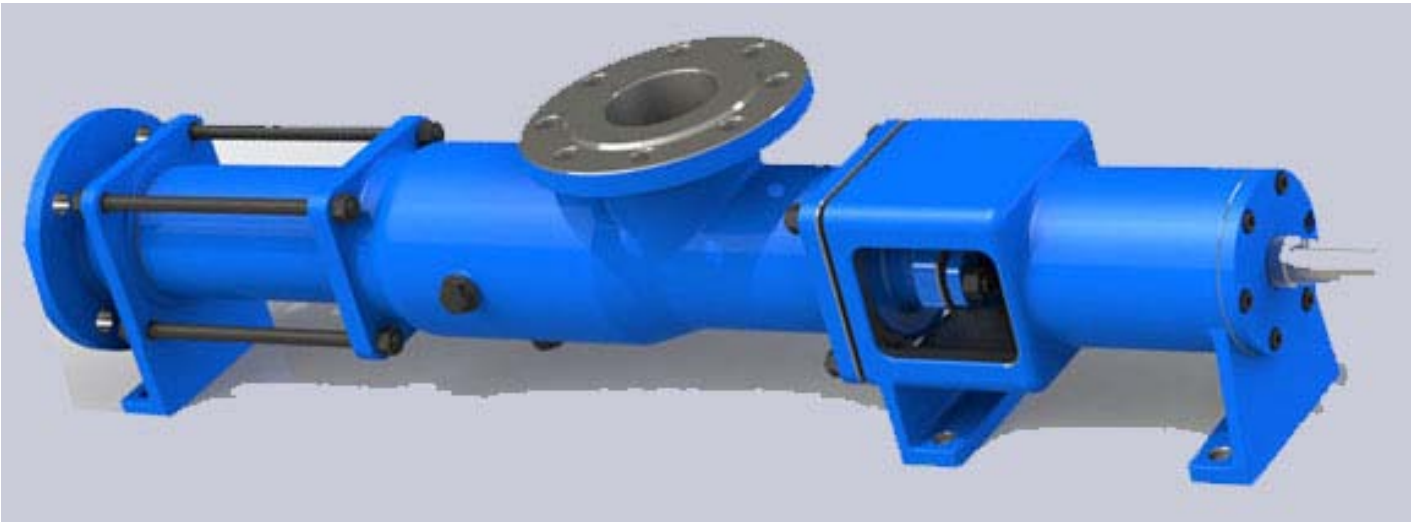
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国家产品质量免检 | 中国著名品牌

J25 Z1 Z 26 J立 泵

G/2W.W/3G Series Screw Pump



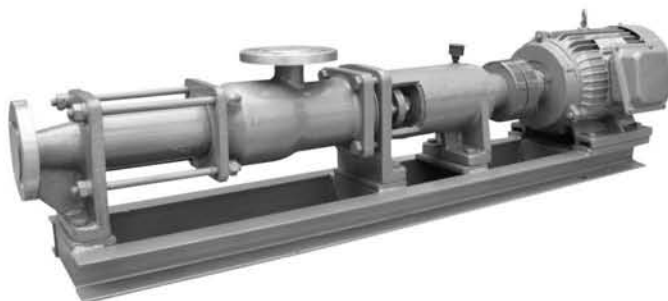
G型螺杆泵

G SCREW PUMP

概述 GENERAL

G型单螺杆泵是一种内啮合的密闭式螺杆泵，属转子式容积泵，由于这种对介质的适应性强，流动平稳，吸入性能好，压力脉动小，除可以输送各种可流动的介质外，还可以输送高粘稠介质、含有硬质悬浮颗粒或固体颗粒的介质、含有纤维的介质，调节性能好，范围宽，效率高。

G Single-Screw Pumps is an enclosed screw pump with inner gearing, a kind of rotor positive-displacement pump. As this kind of pump is characterized by being adaptable for the medium, stable flow, good suction performance and small pressure pulsation, it can transfer very viscous media or those containing hard suspended or solid grains or fiber apart from various flowing media. Besides, it boasts good adjusting performance, wide range and high efficiency.



适应范围 SCOPE OF APPLICATION

- 1、输送高粘度的介质；
- 2、输送含有固体颗粒或纤维的介质；
- 3、要求连续、压力稳定、不出现周期性压力波动；
- 4、要求搅动小、不破坏被输送介质的固有结构；
- 5、在环境保护、船舶、石油、医药、日化、食品、酿造、建筑、采矿、化学、印刷、造纸、电厂、锅炉等各种行业得到广泛应用。

- 1、Transfer of high viscous medium;
- 2、Transfer of media containing solid grains or fiber;
- 3、Requiring continuous operation, stable pressure and no regular pressure fluctuation;
- 4、Requiring small agitation and no damages to the inherent structure of transferred media;
- 5、It is widely applied in various industries like environmental protection; Shipping, petroleum, pharmacy, household chemical, food, brewage, construction, mining, chemistry, printing, paper making, power plants and boilers.

使用参数 OPERATION PARAMETER

口径:DN25~DN250mm

流量:0.8~150m³/h

压力:≤1.2Mpa

转速:960r/min;720r/min;630r/min;
500r/min;400r/min

工作温度:≤100℃

粘度:≤10000帕斯卡/秒

排污能力:固体直径≤1.5~20mm
纤维长度≤25~150mm

压力等级:1.6Mpa

电机功率:0.75~75kW

Caliber:DN25~DN250mm

Capacity:0.8~150 m³/h

Pressure:≤1.2Mpa

Rotate speed:960r/min;720r/min;630r/min;
500r/min;400r/min

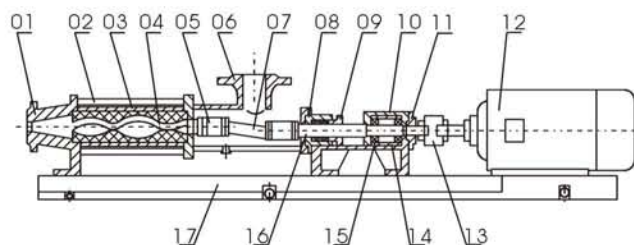
Work temperature:≤100℃

Viscosity:≤10000pas

Discharge ability:Particle size≤1.5~20mm
Length of fibre≤25~150mm

Pressure grade:1.6Mpa

Motor power:0.75~75kW

结构示意图
SKETCH MAP OF STRUCTURE


- | | |
|----------------------------|---------------------|
| 01出料口 Discharge outlet | 11轴承盖 Bearing cover |
| 02拉杆 Brace | 12电机 Motor |
| 03定子 Stator | 13联轴器 Coupling |
| 04螺杆轴 Screw shaft | 14轴套 Shaft sleeve |
| 05万向节总成 Gimbal joint | 15轴承 Bearing |
| 06吸入口 Suction inlet | 16传动轴 Drive axle |
| 07连接轴 Connect shaft | 17底座 Base plate |
| 08填料座 Gasket material seat | |
| 09填料压盖 Packing gland | |
| 10轴承座 Bearing seat | |

性能参数
PERFORMANCE PARAMETER

型号 Model	转速 Rotate speed (r/min)	流量 Capacity (m ³ /h)	压力 Pressure (Mpa)	功率 Power (kW)	扬程 Head (m)	进口 Inlet (mm)	出口 Outlet (mm)	允许颗粒直径 Particle max diameter (mm)	允许纤维长度 Fibre max length (mm)
G20-1	960	0.8	0.6	0.75	60	25	25	1.5	25
G20-2	960	0.8	1.2	1.5	120	25	25	1.5	25
G25-1	960	2	0.6	1.5	60	40	32	2	30
G25-2	960	2	1.2	2.2	120	40	32	2	30
G30-1	960	5	0.6	2.2	60	50	40	2.5	35
G30-2	960	5	1.2	3	120	50	40	2.5	35
G35-1	960	8	0.6	3	60	65	50	3	40
G35-2	960	8	1.2	4	120	65	50	3	40
G40-1	960	12	0.6	4	60	80	65	3.8	45
G40-2	960	12	1.2	5.5	120	80	65	3.8	45
G50-1	720	14	0.6	5.5	60	100	80	5	50
G50-2	720	14	1.2	7.5	120	100	80	5	50
G60-1	720	22	0.6	11	60	125	100	6	60
G60-2	720	22	1.2	15	120	125	100	6	60
G70-1	720	38	0.6	11	60	150	125	8	70
G70-2	720	38	1.2	18.5	120	150	125	8	70
G85-1	630	56	0.6	15	60	150	150	10	80
G85-2	630	56	1.2	22	120	150	150	10	80
G105-1	500	100	0.6	22	60	200	200	15	110
G105-2	500	100	1.2	37	120	200	200	15	110
G135-1	400	150	0.6	45	60	250	250	20	150
G135-2	400	150	1.2	75	120	250	250	20	150

注：以上各种型号单螺杆泵均可配齿轮减速箱，由技术中心根据介质工况选型时确定。

Note: All the single-screw pump can match gear speed reducer, they can be certain according to the working condition by technical center.

2W.W双螺杆多相混输泵

2W.W TWIN SCREW PUMP

1、概述

我公司在深入研究国外先进技术的基础上，依照我国目前油气混输的实际要求研制开发了2W.WH型轴承外置式双吸双螺杆多相混输泵和2W.W系列双螺杆泵，并按照国家标准GB1103589《船用电动双螺杆泵》的规定生产的。通过泵体中主、从动螺杆的相互啮合，以及螺杆和衬套孔的配合，在泵体中形成一个个密封空腔，在螺杆转动时，这些密封空腔连续向前移动，推动密封腔中的液体到出口排出，实现泵输送液体的目的。

其工作原理如图1:

Its working principle is as chart 1:

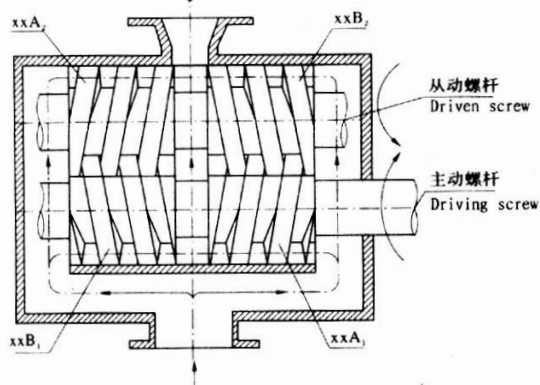


图1: 2W.W型双螺杆泵工作原理图
Chart1: 2W.W type twin screw pump working principle chart.

2、结构特点

该型泵采用双吸式结构，螺杆两端处于同一压力腔中，轴向力可以自行平衡。两端轴承采用外装式，单独采用润滑油(脂)润滑，因而不受输送介质的影响。两螺杆间用一对同步齿轮驱动，螺杆齿面间并不接触，而留有一微小间隙，介质中的杂质并不能对螺杆齿面产生直接的磨损(除冲刷外)。

除一些小排量泵外(2W.W4.0以下)，一般在泵体上都带有内流式安全阀，当排放压力超过额定值时，有一定保护作用。

泵体上的进出口方向有二种，一为水平进，水平出；二为水平进，垂直向上出；用户可根据自己需要选择。

2W.W型双螺杆泵结构简图如图2:

3.双螺杆泵的优点

- 1、输送液体平衡、无脉动、无搅拌、振动小、噪音低。
- 2、有很强的自吸性能，多相混输时，含气率不高于80%，含沙量不高于500g/m³。
- 3、外置轴承结构，采用独立润滑，可以输送各种非润滑性介质。
- 4、采用同步齿轮驱动，二转子之间不接触，即使短时间空转也无妨。
- 5、泵体带有加热套，可以输送各种清洁或含有固体小颗粒的低粘度或高粘度介质（一般颗粒直径小于0.12-0.2mm）。
- 6、正确的选用材料，甚至可以输送很多有腐蚀性的介质。
- 7、双吸式结构，转子上没有轴向力。
- 8、轴端采用机械密封或波纹管机械密封，具有寿命长、泄露少、适用范围广的特点。

1、Brief Introduction

On the base of deeply researching overseas advanced technique, according to the present-day practical demands of gas-oil mixed transporting, 2W.WH type outboard bearing double suction dual screw multi-phase mixed transporting pump and 2W.W series double screw pump are researched and developed by our company. Then we follow the regulations of the national standard GB1103589 and produced it. Through engagement together between driving screw and driven screw and the match between screw and pump body hole, and then form many sealing empty cavities. When the screw is rotational, these sealing empty cavities move ahead continually, push the liquid in the sealing cavity to the exit and then discharged, so the purpose of transporting the liquid can be realized.

2. Structure characteristics

This kind of pump adopt double-suction structure, both ends of screw are in the same pressure cavity, axial force can be balanced automatically. The bearing of both ends adopt external installing, and being lubricated alone by using lubricate. so it won't be influenced by the medium. A couple of synchronous gears are used to drive the screws, so the screws surface can't touch at all, and there is a tiny clearance between the two screws. The Impurity in the medium can not fray the screws surface directly except scour.

Except some less discharge pumps (below the 2w.w 4.0) generally, internal safety valve will be installed on the pump body, when the discharge pressure is over the rated value. It will have certain protection function.

there are two entrance--exit directions, one is horizontally enter and horizontally exit; the other is horizontally enter and vertically upwards exit; the user can choose according to their own demands.

2W.W type twin screw pump structure brief chart is chart2.

3.The advantage of the twin-screw pump

- (1)Transporting the liquid smoothly without any disturbing and pulsation, no impulse, with less vibration and low noise.
- (2)It has strong self-suction performance, when multi-phase mixed transporting, the gas content can not over 80%. and the sand content can not over 500g/m³.
- (3)Outboard bearing structure which adopt independently lubricate, so all kinds of non-lubricative medium can be transported
- (4)It adopts synchronous gear driving, between the two rotors there is no touch at all, even though idling for short term is no problem.
- (5)The pump body has heating jacket, so it can transport all kinds of clean or low viscosity or high viscosity medium. Which contain the particulate solids. (the diameter of the particulate is usualy less than 0.120.2m.
- (6)If selecting the material correctly, some corrosive medium can be transported.
- (7)Double-suction structure, and there is no axial force on the rotor.
- (8)The shaft ends adopt mechanical seal or corrugated pipe mechanical seal it has the characteristic of long-life, less leak wide scope of application.

- | | |
|---------|----------------------|
| 1、齿轮箱盖 | 1. Cover of gear box |
| 2、齿轮 | 2. Gear |
| 3、滚动轴承 | 3. Rolling bearing |
| 4、后支架 | 4. Back bracket |
| 5、机械密封 | 5. Mechanical seal |
| 6、安全阀 | 6. Safety valve |
| 7、螺套A、B | 7. Screw set A B |
| 8、调节螺栓 | 8. Adjusting bolt |
| 9、衬套 | 9. Bush |
| 10、泵体 | 10. Pump casing |
| 11、前盖 | 11. Press cover |
| 12、滚动轴承 | 12. Rolling bearing |
| 13、前支架 | 13. Front bracket |
| 14、主动轴 | 14. Driving shaft |
| 15、从动轴 | 15. Driven shaft |

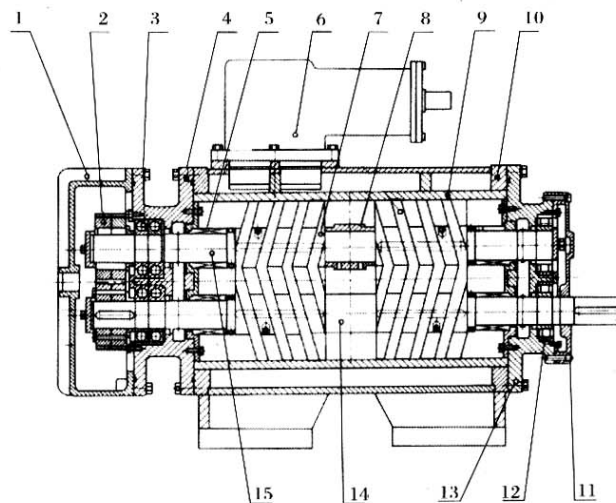


图2: 2W.W型双螺杆泵结构简图
Chart 2: 2W.W type twin screw pump structure brief chart

4、性能范围

- 1、最高工作压力4.0MPa
- 2、流量范围1~1000m³/h
- 3、温度范围-20~120℃
- 4、介质粘度1~3000mm²/s, 降低转速可达到10⁶mm²/s

介质粘度对双螺杆泵性能影响较大, 泵的名义排量是指在特定粘度条件下的排量, 为保证泵能在较高效率下工作, 在试验不充分时, 建议下列粘度条件选择转速:

介质粘度cst	转速r/min
<400	1500
400~1200	1000
1200~3600	750

对于粘度更高的介质, 所应选用的转速和驱动电机功率, 请与制造厂联系。

5、应用举例

- 1、油田: 用作油、气、水、微量细小固体颗粒等多相混输泵及原油输送泵。
- 2、造船业: 用作船用装载泵, 船底扫舱及污水处理, 主机润滑油, 燃料油泵。
- 3、石油化学工业: 用作各种树脂、颜料、石蜡、油漆、油墨、乳胶各种油品、原油、重油等装载和运输泵。
- 4、热电厂: 用作重油、原油输送泵, 主机润滑油泵。
- 5、食品工业: 用作酒精、蜂蜜、糖浆、果汁、动植物油、牛奶、浆油输送泵。

4. Performance scope:

1. The highest pressure 4.0MPa
2. Capacity rangel~1000m³/h
3. Temperature range-20~120℃
4. The viscosity of the medium 1~3000mm²/s when lower the speed of the rotation it can be up to 10⁶mm²/s

The viscosity of the medium will largely influence the twin screw pump. the nominal discharge of the pump means the discharge under the certain viscosity condition, in order to ensure the pump to work oil the high efficiency working condition, when the test is not enough, we suggest to select the speed of the rotation according to the following viscosity.

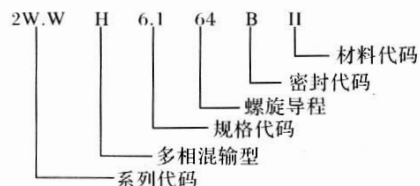
The viscosity of the medium cst	Speed r/min
<400	1500
400~1200	1000
1200~3600	750

When the viscosity of the medium is higher, the customer should contact with the manufacturer for the speed of rotation and motor power.

5. Application example

- (1)Oil field: Used as the multi-phase mixed transporting pump and crude oil transporting pump and the like which can transport oil, gas, water, tiny solid particulate.
- (2)Ship building: Using as marine loading pump, ballast pump and sewage treatment pump, main machine lubricating pump and fuel oil pump.
- (3)Petrochemical industry: Using as loading and transporting pump which can transport all kinds of resin, pigment, paraffin wax paint, rinting ink, emulsoid, all kinds of oil crude oil, heavy oil and the like.
- (4)Pewer plant: Using as heavy oil, crude oil transporting pump, main machine lubricating pump.
- (5)Food industry: Using as transporting pump which can transport alcohol, honey, syrup, juice, fixed oil, milk, slurry oil.

6、型号及代码说明



1、系列代码说明

- 2W.W: 卧式, 外置轴承式
- 2W.N: 卧式, 内置轴承式

2、规格代码说明

规格代码反映泵的尺寸大小, 工作能力范围, 代码大, 一般尺寸大, 压力也高。详见技术特性表。

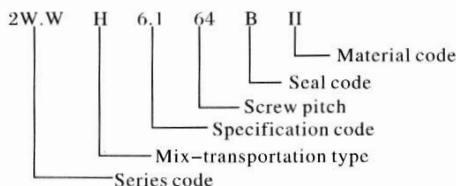
3、密封代码说明

- J: 一般机械密封
- B: 金属波纹管机械密封

4、材料代码说明

- I: 一般工程结构钢为主。
- II: 马氏体耐蚀钢为主。
- III: 奥氏体耐蚀钢为主。

6、The illustration of type and code number



1. The illustration of the code series

- 2W.W horizontal outboard bearing
- 2W.N horizontal inboard bearing

2. The illustration of the specification code

Specification code express the size of pump and work capability scope, if the specification code is big, the size will be big and the pressure will be high, the details in the technical characteristics chart.

3. The illustration of the seal code

- J: General mechanical seal
- B: Metal corrugated pipe mechanical seal

4. The illustration of the material code

- I: Mainly adopting the general engineering constructional steel
- II: Mainly adopting the martensitic corrosion resisting steel
- III: Mainly adopting the austenite corrosion resisting steel

2W.W

主要零部件材料选用表 MATERIAL OF THE MAIN PARTS

零件名称Parts name	材料类别Material kind	I	II	III
泵体Parts name		20	0Cr13	0Cr18Ni9
主、从动轴Driving, driven shaft		45	3Cr13	1Cr18Ni9
螺栓Screws		38CrMoAl	3Cr13	1Cr18Ni9
衬套Bush		QT600-3	ZG1Cr13	ZG0Cr18Ni9

如需要选用其它材料时, 请与制造厂协商。 If some other material needed, please consult with the manufacturer.

7、选用泵应考虑的主要事项

- 介质的润滑性、清洁度、腐蚀性。
- 介质的粘度, 温度。
- 介质进、出口压力, 安装高度。
- 使用场合的防爆要求。
- 订货时请注明规格、型号、设计使用压力、转速、介质粘度、温度、电机防爆级别、介质名称。

如: 2W · W5.0-64-J-I, 1.0MPa, 980r/min.

介质粘度: 500cSt, 80℃, EXd II BT4

介质: 重质燃料油

希望选择时留有一定的富裕量, 以确保安全可靠。

7、The main point must be considered when choosing pump

- Lubricity, degree of cleaning, corrosivity of the medium
- Viscosity, temperature of the medium
- The medium pressure of the entrance, exit and the installing height.

4、Explosive-proof demands of the service field.

- when ordering the product, please note the specification, type design pressure, speed of rotation, medium viscosity, temperature motor explosive-proof class, medium name.

Eg: 2W · W5.0-64-J-I, 1.0MPa, 980r/min.

Medium viscosity: 500cSt, 80℃, EXd II BT4

Medium: heavy fuel oil

When choosing, certain excess amount should be left, in order to make it safety and dependable.

2W.W

8、2W.W型双螺杆泵技术特性表 2W.W TYPE TWIN SCREW PUMP TECHNICAL PERFORMANCE CHART

型号规格 Type specification	压力 Pressure Mpa	1450r/min						950r/min						720r/min					
		30cSt		75cSt		150cSt		300cSt		450cSt		750cSt		1500cSt		2500cSt			
		m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw		
2.5-15	0.6	2.4	1.5	3	2.2	3.2	2.2	3.3	2.2	1.8	1.5	1.8	2.2	1.3	2.2	1.3	2.2		
	1.0	1.7	2.2	2.6	2.2	2.9	3	3.1	3	1.7	2.2	1.7	2.2	1.2	2.2	1.2	2.2		
2.5-20	0.4	3.9	1.5	4.3	1.5	4.4	2.2	4.5	2.2	2.6	1.5	2.6	2.2	1.9	2.2	1.9	2.2		
	0.6	3.4	1.5	4	2.2	4.2	2.2	4.3	2.2	2.5	2.2	2.5	2.2	1.8	1.5	1.8	2.2		
2.8-18	0.6	4.3	2.2	4.8	2.2	4.9	3	5	3	2.9	2.2	2.9	3	2.1	3	2.1	3		
	1.0	3.7	3	4.4	4	4.7	4	4.8	4	2.7	3	2.7	3	2	3	2	4		
2.8-24	0.4	6.3	2.2	6.6	2.2	6.7	3	6.8	3	4	2.2	4	3	2.9	2.2	2.9	3		
	0.6	5.9	2.2	6.4	4	6.5	4	6.6	4	3.8	3	3.8	3	2.7	3	2.7	3		
3.1-22	0.6	7.7	3	8.2	4	8.3	4	8.4	4	5	3	5	4	3.7	3	3.7	4		
	1.0	7	4	7.8	5.5	8	5.5	8.1	5.5	4.8	4	4.8	5.5	3.5	4	3.5	5.5		
3.1-30	0.4	11.1	3	11.4	3	11.5	4	11.6	5.5	6.9	3	6.9	4	5.1	3	5.1	4		
	0.6	10.6	4	11.1	5.5	11.3	5.5	11.4	5.5	6.7	4	6.7	5.5	4.9	4	4.9	5.5		
3.2-18	1.6	-	-	4.8	7.5	5.8	7.5	6.3	7.5	2.4	5.5	2.4	5.5	0.9	4.0	0.9	5.5		
	2.0	-	-	4.2	7.5	5.5	7.5	6.1	11	2.3	7.5	2.3	7.5	0.9	4.0	0.9	5.5		
	2.5	-	-	3.4	11	5.0	11	5.8	11	2.1	7.5	2.1	7.5	0.8	5.5	0.8	5.5		
3.2-24	1.0	5.5	5.5	7.6	7.5	8.4	11	8.7	11	4.6	5.5	4.6	5.5	2.7	5.5	2.7	5.5		
	1.25	4.6	7.5	7.2	11	8.2	11	8.5	11	4.5	5.5	4.5	7.5	2.6	5.5	2.6	7.5		
	1.6	3.4	7.5	6.7	11	7.8	11	8.3	11	4.3	7.5	4.3	7.5	2.5	5	2.5	7.5		
3.2-30	0.6	9.7	5.5	11	5.5	11.5	5.5	11.7	7.5	6.8	5.5	6.8	5.5	4.3	5.5	4.3	5.5		
	1.0	8.0	7.5	10.2	7.5	10.9	7.5	11.2	7.5	6.5	5.5	6.5	5.5	4.3	5.5	4.3	5.5		
3.2-44	0.4	16.4	5.5	17.5	7.5	17.9	7.5	18.1	7.5	11.2	4.0	11.3	5.5	8.0	4.0	8.0	4.0		
	0.6	15.2	7.5	17	7.5	17.4	7.5	17.6	7.5	10.9	5.5	11	5.5	7.8	5.5	7.8	5.5		
3.4-24	1.6	-	-	7.4	11	9	11	9.8	11	5.7	7.5	5.7	7.5	4.3	7.5	4.3	11		
	2.0	-	-	6.5	11	8.5	11	9.5	15	5.5	11	5.5	11	4.1	7.5	4.1	11		
	2.5	-	-	5.3	15	7.8	15	9.1	15	5.1	11	5.1	11	3.9	11	3.9	11		
3.4-30	1.0	8.3	7.5	11.4	7.5	12.4	11	12.9	11	7.6	7.5	7.6	7.5	5.6	7.5	5.6	7.5		
	1.25	6.9	11	10.7	11	12.1	11	12.6	11	7.4	7.5	7.4	11	5.5	7.5	5.5	11		
	1.6	5	11	9.9	11	11.5	11	12.3	15	7.1	11	7.1	11	5.3	7.5	5.3	11		
3.4-40	0.6	14.8	5.5	16.8	7.5	17.5	7.5	17.8	11	10.6	7.5	10.6	7.5	7.8	7.5	7.8	7.5		
	1.0	12.2	11	15.5	11	16.6	11	17.2	11	10	7.5	10	7.5	7.4	7.5	7.4	7.5		
3.4-56	0.4	21.8	5.5	23.2	7.5	23.7	7.5	24	11	14.3	5.5	14.4	7.5	10.5	5.5	10.5	7.5		
	0.6	20.2	7.5	22.5	11	3.1	11	23.4	11	13.8	7.5	13.9	7.5	10.1	7.5	10.1	7.5		

型号规格 Type specification	压力 Pressure Mpa	1450r/min						950r/min						720r/min					
		30cSt		75cSt		150cSt		300cSt		450cSt		750cSt		1500cSt		2500cSt		m³/h	kw
		m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw		
4.0-26	1.6			12.4	15	14.6	15	15.7	18.5	9.3	11	9.3	15	7	11	7	15		
	2.0			11.2	15	13.9	18.5	15.3	22	9	15	9	15	6.8	15	6.8	15		
	2.5			9.6	18.5	13.1	22	14.8	22	8.6	15	8.6	15	6.6	15	6.6	15		
4.0-32	1.0	13.9	11	18.2	15	19.6	15	20.3	15	12.2	11	12.2	15	9.1	11	9.1	11		
	1.25	12	15	17.3	15	19.1	15	20	18.5	11.9	11	11.9	15	8.9	11	8.9	15		
	1.6			16.1	18.5	18.4	18.5	19.5	22	11.5	15	11.5	15	8.6	11	8.6	15		
4.0-44	0.6	24.6	11	27.4	11	28.3	11	28.8	15	17.3	11	17.3	11	12.8	11	12.8	11		
	1.0	21.1	15	25.7	15	27.2	15	27.9	18.5	16.6	11	16.6	15	12.3	11	12.3	15		
	0.4	37.2	11	39.1	11	39.8	11	40.1	15	24.1	11	24.2	11	17.8	11	17.8	11		
4.0-64	0.6	35	11	38	15	38.9	15	39.4	18.5	23.5	11	23.7	11	17.3	11	17.3	11		
	1.6	17.4	18.5	22.3	22	24	22	24.8	30	14.9	18.5	15	18.5	11.1	18.5	11.2	18.5		
	2.0	15.1	22	21.3	30	23.4	30	24.4	30	14.5	22	14.6	22	10.9	18.5	11	22		
4.5-30	2.5	12.3	30	20	30	22.6	30	23.9	30	14.2	22	14.3	22	10.6	18.5	10.6	22		
	1.0	29.1	18.5	32.4	18.5	33.5	22	34	22	20.5	18.5	20.6	18.5	15.3	15	15.3	18.5		
	1.25	27.5	18.5	31.6	22	33	30	33.7	30	20.2	18.5	20.3	22	15	18.5	15.1	22		
4.5-40	1.6	25.3	30	30.6	30	32.3	30	33.2	30	19.9	22	20	22	14.7	18.5	14.8	22		
	0.6	41.8	15	43.9	15	44.6	18.5	45	22	27.3	15	27.4	18.5	20.3	15	20.3	15		
	1.0	38.9	22	42.4	22	43.6	30	44.2	30	26.6	18.5	26.7	18.5	19.7	15	19.7	18.5		
4.5-52	0.4	57.3	15	58.8	15	59.3	18.5	59.6	22	36.1	15	36.2	15	26.9	15	26.9	18.5		
	0.6	55.5	18.5	57.7	22	58.5	22	58.9	22	35.5	22	35.6	18.5	26.3	18.5	26.3	22		
	2.5	17.3	37	24.7	37	27.2	37	28.4	45	17.1	30	17.3	37	12.9	30	12.9	37		
5.0-28	3.2			23.1	45	26.3	45	27.9	55	16.7	37	17	45	12.7	37	12.8	37		
	4.0			21.3	55	25.3	55	27.3	75	16.2	45	16.5	45	12.4	37	12.6	45		
	1.6	34.6	37	39.5	45	41.1	45	42	45	25.4	30	25.6	37	19.9	30	20	37		
5.0-40	2.0	32.3	37	38.4	45	40.5	45	41.5	45	25.1	37	25.3	37	18.8	37	18.9	37		

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型号规格 Type specification	压力 Pressure Mpa	1450r/min						950r/min						720r/min					
		30cSt		75cSt		150cSt		300cSt		450cSt		750cSt		1500cSt		2500cSt		m³/h	kw
		m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw		
5.0-40	2.5	29.4	45	37.1	45	39.7	55	41	55	24.7	37	24.9	37	18.5	37	18.6	37		
	1.0	50.7	30	53.9	30	55	37	55.5	37	33.8	30	34	30	25.3	30	25.4	30		
	1.25	49.1	30	53.1	37	54.4	37	55.1	45	33.5	30	33.7	37	25	30	25.1	37		
5.0-52	1.6	46.9	37	52	45	53.7	45	54.6	55	33.1	37	33.3	37	24.7	30	24.7	37		
	0.6	66.1	22	68.1	22	68.8	30	69.1	37	42.3	22	42.4	30	31.6	22	31.7	30		
	1.0	63.2	30	66.6	37	67.7	37	68.2	45	41.5	30	41.7	30	30.9	30	31	30		
5.0-96	0.4	96.7	22	98.1	22	98.6	30	98.8	37	60.3	22	60.4	30	45.1	22	45.1	30		
	0.6	89.7	30	96.9	37	97.7	37	98	45	59.6	30	59.7	30	44.4	30	44.5	30		
	2.5	26.7	45	34.1	45	36.6	55	37.8	75	22.7	45	23	45	17.1	45	17.3	45		
5.5-30	3.2	23	55	32.5	55	35.7	75	37.2	75	22.2	45	22.5	55	16.8	45	17	55		
	4.0			30.6	75	34.6	75	36.6	75	21.8	55	22.1	55	16.6	55	16.8	55		
	1.6	43	45	51.7	45	54.6	55	56	55	33.8	37	34.1	45	25.5	37	25.6	45		
5.5-44	2.0	39	55	49.9	55	53.6	55	55.4	75	33.2	45	33.6	55	25	45	25.2	55		
	2.5	34.1	55	47.8	75	52.3	75	54.6	75	32.7	55	33.3	55	24.7	45	24.8	55		
	1.0	64.3	37	70	37	71.9	45	72.9	55	44.1	37	44.4	45	33	37	33.2	45		
5.5-56	1.25	61.6	45	68.8	45	71.1	55	72.2	75	43.7	37	44	45	32.7	37	32.8	45		
	1.6	57.9	55	67	55	70	75	71.5	75	43.1	45	43.4	45	32.3	37	32.4	45		
	0.6	99.7	30	103	37	104	45	105	45	64	30	64.2	37	48	30	48	37		
5.5-80	1.0	94.6	45	100	55	102	55	103	75	62.8	45	63.1	45	46.9	37	47	45		
	0.4	146	30	149	37	150	45	150	55	91.8	30	92	37	68.6	30	68.7	37		
	0.6	143	45	147	55	148	55	149	55	90.7	37	90.9	45	67.6	37	67.6	45		
6.1-36	2.5	40.9	75	51.9	75	55.7	75	57.4	90	33	55	33.4	75	24.9	55	25	75		
	3.2	35.4	75	49.5	90	54.2	90	56.6	110	32.4	75	32.9	75	24.5	75	24.7	75		
	4.0			46.8	110	52.7	110	55.6	110	31.7	75	32.4	90	24	75	24.3	75		
6.1-48	1.6	67.6	55	74.8	75	77.3	75	78.5	75	47.5	55	47.8	75	35.7	55	35.8	75		
	2.0	64.2	75	73.3	75	76.3	75	77.8	90	47	75	47.5	75	35.2	55	35.3	75		
	2.5	60	75	71.4	90	75.2	90	77.1	110	46.4	75	46.9	75	34.9	55	34.9	75		

型号规格 Type specification	压力 Pressure Mpa	1450r/min						950r/min						720r/min					
		30cSt			75cSt			150cSt			300cSt			450cSt			750cSt		
		m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	m³/h	kw	m³/h	m³/h	kw	m³/h	m³/h	kw	m³/h
6.1-6.4	1.0	99	45	103	55	105	75	106	75	106	106	75	64.5	45	64.7	55	48.4	45	48.5
	1.25	96.6	55	102	75	104	75	105	90	105	105	90	64.1	55	64.3	75	48	55	48
	1.6	93.3	75	101	75	103	90	104	90	104	104	90	63.2	75	63.7	75	47.2	55	47.5
6.1-96	0.6	155	45	158	55	160	75	160	75	160	160	75	98	45	98	55	73.2	45	73.3
	1.0	151	75	156	75	158	75	158	75	158	158	90	96.4	55	96.7	75	72	55	72.1
6.1-144	0.4	225	45	228	55	228	55	228	55	228	229	75	140	45	140	55	104	45	105
	0.6	222	75	225	75	227	75	227	75	227	227	90	138	55	138	75	103	55	103
	2.5	61.3	90	74	90	78.2	110	80.3	110	80.3	80.3	110	46.3	75	46.8	90	35	75	35.1
6.9-40	3.2	54.9	110	71.2	110	76.6	132	79.3	132	79.3	79.3	132	45.6	90	46.2	110	34.5	90	34.7
	4.0			68	160	74.8	160	78.2	185	78.2	78.2	185	44.8	110	45.6	132	33.9	110	34.2
6.9-56	1.6	102	110	110	110	113	132	114	132	114	114	132	69.8	75	70.2	90	52.5	75	52.6
	2.0	98	132	108	132	112	160	114	160	114	114	160	69	90	69.6	110	51.9	90	52
	2.5	93	132	106	132	110	160	113	160	113	113	160	68.4	110	68.9	110	51.4	90	51.5
6.9-80	1.0	157	110	163	110	165	132	166	132	166	166	132	101	75	101	90	75.9	75	76
	1.25	154	132	161	132	164	160	165	160	165	165	160	100	90	100	110	75.3	90	75.4
	1.6	150	160	159	160	162	185	164	185	164	164	185	99.7	110	100	110	74.6	90	74.8
6.9-112	0.6	228	90	232	90	233	110	234	110	234	234	110	143	75	143	90	107	75	107
	1.0	222	132	228	132	231	160	232	160	232	232	160	142	90	142	110	106	90	106
6.9-144	0.4	283	75	285	75	286	90	287	90	287	287	90	176	55	176	75	132	55	132
	0.6	279	110	283	110	284	132	285	132	285	285	132	174	75	174	90	130	75	130
7.6-96	0.6	261	110	265	110	267	132	267	132	267	267	132	165	75	165	90	124	75	124
	1.0	254	160	262	160	264	185	266	185	266	266	185	163	110	163	110	123	90	123
7.6-112	0.6	305	110	309	110	311	132	312	132	312	312	132	192	75	192	90	144	75	144
	0.8	301	160	308	160	310	185	311	185	311	311	185	191	110	191	132	143	110	143
7.6-160	0.4	420	110	423	110	424	132	424	132	424	424	132	261	75	261	90	197	75	197
	0.6	415	160	420	160	422	185	423	185	423	423	185	259	90	259	110	195	90	195

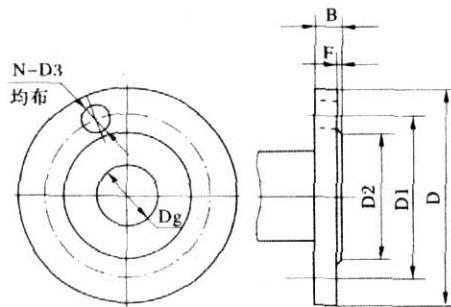
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型号规格 Type specification	压力 Pressure Mpa	950r/min						720r/min						580r/min					
		30cSt		75cSt		150cSt		300cSt		450cSt		750cSt		1500cSt		2500cSt			
		m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw	m³/h	kw		
7.6-56	1.6	81.8	90	92.9	110	96.7	110	98.5	110	70.2	75	70.3	90	56.4	75	56.4	90		
	2.0	76.7	110	90.6	132	95.3	132	97.6	132	69.4	90	69.5	110	55.9	90	55.9	110		
	2.5	70.3	110	87.8	132	93.6	132	96.5	132	68.6	110	69.3	110	55.3	90	55.3	110		
7.6-80	1.0	132	90	139	90	141	110	143	110	102	75	102	90	81.7	75	81.7	90		
	1.25	128	110	137	110	140	132	142	132	101	90	101	110	81.2	90	81.2	110		
	1.6	123	132	135	132	139	160	141	160	100	110	100	110	80.4	90	80.4	110		
7.6-96	0.6	166	75	171	90	172	90	173	90	124	55	124	75	99	55	99	75		
	1.0	160	110	168	132	170	132	171	132	122	75	122	90	97	75	97	90		
7.6-112	0.6	195	90	200	90	201	90	202	90	144	75	144	75	115	75	115	75		
	0.8	191	110	198	110	200	110	201	110	143	75	143	75	114	75	114	75		
7.6-160	0.4	270	75	274	75	275	75	276	75	196	55	196	75	157	55	157	75		
	0.6	266	110	271	132	273	132	268	132	194	75	194	90	155	75	155	90		
8.3-64	1.6	112	132	126	132	131	132	133	132	95.2	110	95.4	110	76.5	90	76.5	90		
	2.0	106	132	123	160	129	160	132	160	94.3	110	95	132	75.8	110	75.8	110		
	2.5	98.4	160	120	185	127	185	131	185	93.2	132	94.1	185	75	132	75	185		
8.3-96	1.0	189	132	198	132	202	132	203	132	145	110	145	110	134	110	134	110		
	1.25	185	132	196	160	200	160	202	160	144	110	144	110	115	110	115	110		
	1.6	178	160	193	185	198	185	200	185	143	132	143	132	114	132	114	132		
8.3-120	0.6	248	110	253	110	255	110	256	110	183	75	183	75	146	75	146	75		
	1.0	239	160	249	160	252	160	254	160	181	110	181	110	144	110	144	110		
8.3-144	0.6	298	110	304	132	306	132	307	132	202	90	202	90	175	90	175	90		
	0.8	293	160	302	160	304	160	306	160	218	110	218	110	174	110	174	110		
8.3-192	0.4	385	110	389	110	390	110	391	110	279	75	279	75	222	75	222	75		
	0.6	378	132	385	132	387	132	388	132	276	110	276	110	220	110	220	110		

9、进、出口法兰联接尺寸 (泵体代号A或B)

SUCTION-DISCHARGE FLANGE CONNECTION SIZE (THE CODE OF PUMP CASING A OR B)



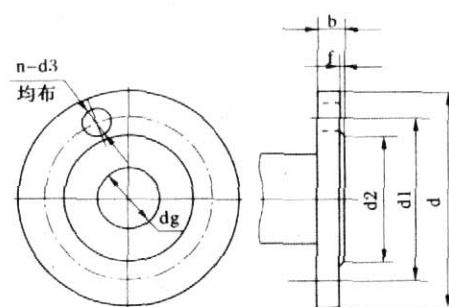
进口法兰 Suction flange

(方向水平)(Horizontal direction)

说明: 泵体A使用压力 $\leq 1.0\text{MPa}$ 泵体B使用压力 $\leq 2.5\text{MPa}$

Illustration: The application pressure of pump casing A $\leq 1.0\text{MPa}$

The application pressure of pump casing C $\leq 4.0\text{MPa}$



出口法兰

(方向水平或向上)

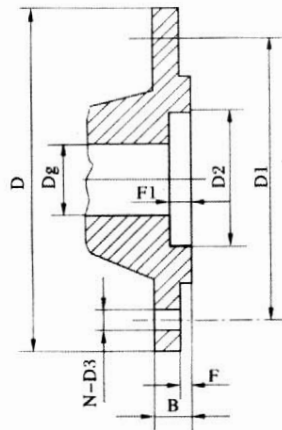
泵体C使用压力 $\leq 4.0\text{MPa}$

The application pressure of pump casing B $\leq 2.5\text{MPa}$

Discharge flange
(Horizontal direction or
upwards direction)

泵体代号 Pump casing code	进口法兰 Suction flange							出口法兰 Discharge flange						
	Dg	D	D1	D2	F	B	N-D3	dg	d	d1	d2	f	b	n-d3
2.5-A	40	145	110	85	3	18	4-18	32	135	100	78	2	16	4-18
2.8-A	50	160	125	100	3	18	4-18	40	145	110	85	3	18	4-18
3.1-A	65	180	145	120	3	20	4-18	50	160	125	100	3	18	4-18
3.1-B	50	160	125	100	3	22	4-18	40	145	110	85	3	20	4-18
3.2-A	80	195	160	135	3	20	4-18	65	180	145	120	3	20	4-18
3.2-B	65	180	145	120	3	24	8-18	50	160	125	100	3	24	4-18
3.4-A	80	195	160	135	3	20	8-18	65	180	145	120	3	20	4-18
3.4-B	65	180	140	120	3	24	8-18	50	160	125	100	3	24	4-18
4.0-A	100	215	180	155	3	22	8-18	80	195	160	135	3	20	4-18
4.0-B	80	195	160	135	3	26	8-18	65	180	145	120	3	24	8-18
4.5-A	125	245	210	185	3	24	8-18	100	215	180	155	3	22	8-18
4.5-B	80	195	160	135	3	26	8-18	65	180	145	120	3	24	8-18
5.0-A	150	280	240	210	3	24	8-23	125	245	210	185	3	24	8-18
5.0-B	100	230	190	160	3	28	8-23	80	195	160	135	3	26	8-18
5.5-A	175	310	270	240	3	24	8-23	150	280	240	210	3	24	8-23
5.5-B	125	270	220	188	3	30	8-25	100	230	190	160	3	28	8-23
6.1-A	225	365	325	295	3	24	8-23	200	335	295	265	3	24	8-23
6.1-B	150	300	250	218	3	30	8-25	125	270	220	188	3	30	8-25
6.9-A	250	390	350	320	3	26	12-23	225	365	325	295	3	24	8-23
6.9-B	200	360	310	278	3	32	12-25	175	330	280	248	3	32	12-25
7.6-A	300	440	400	368	4	28	12-23	250	390	350	320	3	26	12-23
7.6-B	200	360	310	278	3	32	12-25	175	330	280	248	3	32	12-25
8.3-A	300	440	400	368	4	28	12-23	250	405	355	320	3	32	12-25
8.3-B	225	395	340	302	3	34	12-30	175	330	280	248	3	32	12-25

2W.W

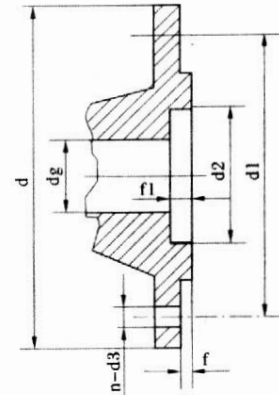


进口法兰 suction flange
(方向水平) (Horizontal direction)

说明: 泵体A使用压力 $\leq 1.0\text{MPa}$ 泵体B使用压力 $\leq 2.5\text{MPa}$

Illustration: The application pressure of pump casing A $\leq 1.0\text{MPa}$

The application pressure of pump casing C $\leq 4.0\text{MPa}$



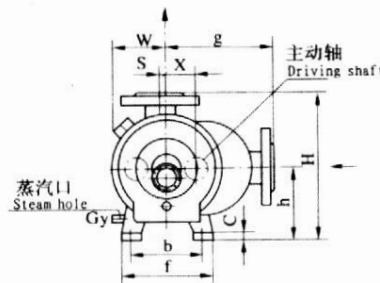
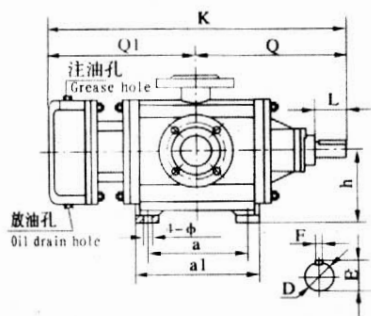
出口法兰 Discharge flange
(方向水平或向上) (Horizontal direction or upwards direction)

泵体C使用压力 $\leq 4.0\text{MPa}$

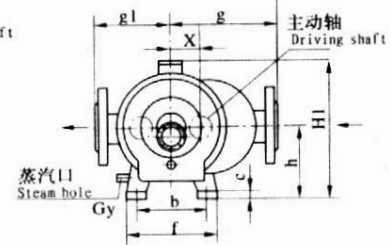
The application pressure of pump casing B $\leq 2.5\text{MPa}$

泵体代号 Pump casing code	进口法兰 Suction flange								出口法兰 Discharge flange							
	Dg	D	D1	D2	B	F	F1	N-D3	dg	d	d1	d2	b	f	f1	n-d3
5.0-C	80	195	160	121	24	3	4	8-18	65	180	145	110	22	3	4	8-18
5.5-C	100	230	190	150	26	3	4.5	8-23	80	195	160	121	24	3	4	8-18
6.1-C	125	270	220	176	28	3	4.5	8-25	100	230	190	150	26	3	4.5	8-23
6.9-C	150	300	250	204	30	3	4.5	8-25	125	270	220	176	28	3	4.5	8-25

10、2W.W双螺杆泵外形及安装尺寸 2W.W TWIN SCREW PUMP OUTLINE AND INSTALLATION DIMENSION

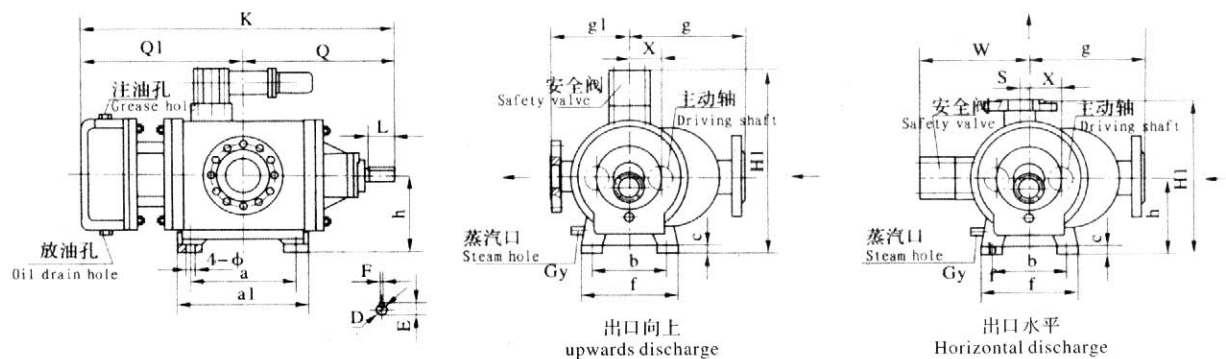


出口向上
upwards discharge



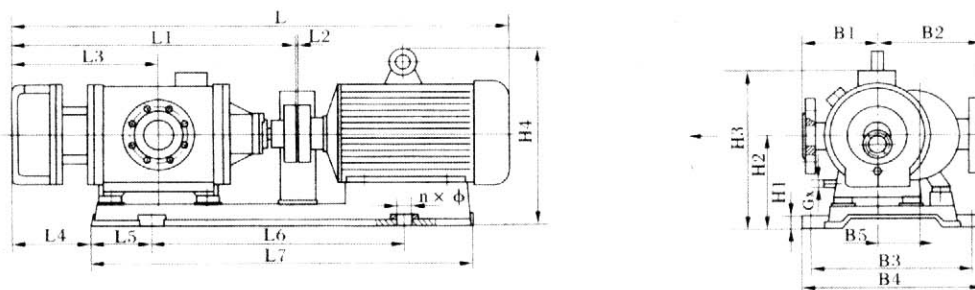
出口水平
Horizontal discharge

型号规格 Type specification	共用部分尺寸Common part size													轴端尺寸 Shaft end size				出口向上 Upwards exit			出口水平 Horizontal		重量 Weight
	K	Q	Q1	a	a1	h	b	f	c	g	φ	Gy	X	D	F	E	L	H	W	S	H ₁	g ₁	Kg
2.5-	550	253	297	120	184	140	150	190	15	185	12	1/4"	27	16	5	18	32	286	100	10	288	148	60
2.8-	600	278	322	147	233	150	160	200	15	195	14	3/8"	30	20	6	22.5	40	305	105	10	290	155	85
3.1-	620	286	334	145	230	155	180	220	16	200	14	3/8"	32	20	6	24.5	40	315	110	10	295	160	88
3.2-	645	304	341	172	269	170	190	240	18	220	14	3/8"	33.625	24	8	27	40	345	120	15	295	175	110
3.4-	700	320	380	194	298	170	205	260	18	230	15	3/8"	35	27	8	30	40	350	130	15	330	180	128

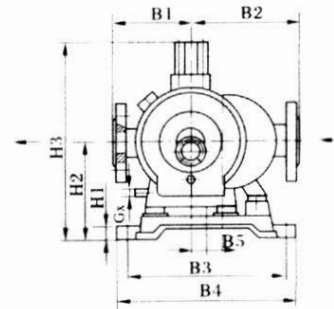
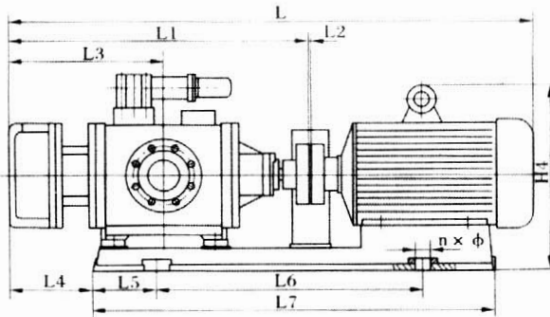


型号规格 Type specification	共用部分尺寸Common part size													轴端尺寸 Shaft end size				出口向上 Upwards exit			出口水平 Horizontal exit		重量 Weight
	K	Q	Q1	a	a1	h	b	f	c	g	φ	Gy	X	D	F	E	L	H	W	S	H ₁	g ₁	Kg
4.0-	795	381	414	260	340	190	220	260	20	260	19	1/2"	39.25	27.5	8	30.5	70	385	292	15	482	195	200
4.5-	865	408	457	279	380	205	250	300	20	290	23	1/2"	46	38	10	41	70	420	320	20	525	215	248
5.0-	1035	491	544	389	509	240	250	320	25	320	23	1/2"	52.5	45	14	48.5	75	480	425	30	665	240	356
5.5-	1130	547	583	457	595	255	300	390	25	365	24	1/2"	57.5	48	14	51.5	85	515	465	30	728	260	482
6.1-	1225	596	629	530	661	275	320	390	25	385	25	1/2"	62.5	50	14	54.5	90	545	510	30	785	270	653
6.9-	1310	644	666	560	706	300	380	460	30	395	25	1/2"	70.5	58	16	62	120	590	550	35	850	290	770
7.6-	1456	725	740	698	858	325	380	460	30	470	25	1/2"	75	58	16	62	120	645	590	50	885	315	954
8.3-	1565	750	815	712	872	350	410	480	30	495	30	1/2"	82.5	64	18	68	130	690	620	50	970	340	1235

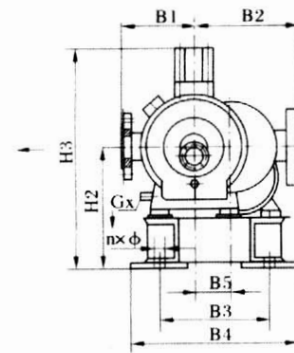
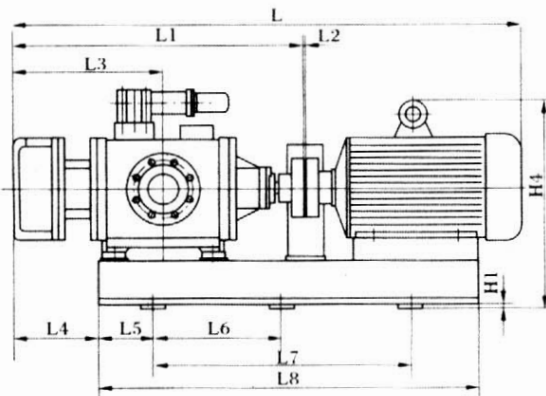
11、2W.W双螺杆泵整机外形及安装尺寸 2W.W TWIN SCREW PUMP OUTLINE AND INSTALLATION DIMENSION



型号机座号 Type Machine-foundation number	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	B ₁	B ₂	B ₃	B ₄	B ₅	H ₁	H ₂	H ₃	H ₄	G×	n×φ	配套电机型号 Matched motor type	电机功率 Motor power
2W.W2.5-01	971	538	3	285	188	125	395	645	148	185	280	320	27	20	200	346	470	1/4"	4×12	Y100L2-4	3
2W.W2.5-02	1001	538	3	285	188	125	405	655	148	185	280	320	27	20	200	346	485	1/4"	4×12	Y112M-6	2.2
2W.W2.8-11	1051	588	3	310	181	135	445	715	155	195	330	370	30	20	215	355	488	3/8"	4×15	Y112M-4	4
2W.W2.8-12	1101	588	3	310	181	135	495	765	155	195	330	370	30	20	215	355	513	3/8"	4×15	Y132S-6	3
2W.W3.1-21	1155	602	3	316	183	150	514	814	160	200	340	380	32	20	230	367	568	3/8"	4×15	Y132S-4 Y132M-6	5.5
2W.W3.1-22	1260	602	3	316	183	150	595	895	160	200	380	420	32	20	230	367	600	3/8"	4×15	Y160M-8	4
2W.W3.2-31	1303	545	3	341	198	160	600	920	175	220	380	415	33.8	25	250	375	575	3/8"	4×15	Y160M-4(6,8)	11(7.5,5.5)
2W.W3.2-32	1218	645	3	341	198	160	520	840	175	220	345	380	33.8	25	250	375	548	3/8"	4×15	Y132M-4(6)	7.5(5.5)
2W.W3.4-41	1328	680	3	360	191	170	670	1010	180	230	375	425	35	25	265	425	590	3/8"	4×15	Y160L(M)-4(6,8)	15(11,7.5)



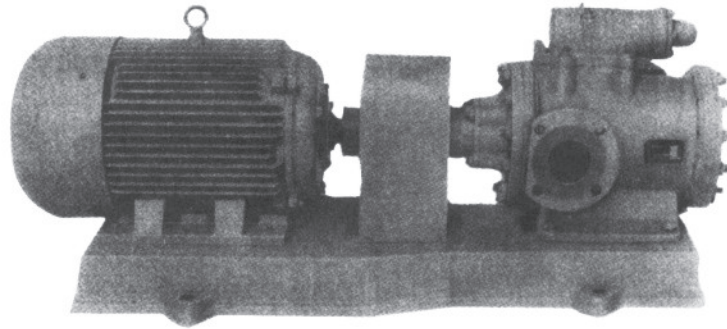
型号机座号 Type Machine-foundation number	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	B ₁	B ₂	B ₃	B ₄	B ₅	H ₁	H ₂	H ₃	H ₄	Gx	n × φ	配套电机型号 Matched motor type	电机功率 Motor power
2W.W4.0-51	1530	778	3	397	215	190	741	1121	195	260	400	440	39	25	270	560	615	1/2"	4 × 15	Y180M(L)-4(6,8)	18.5(15,11)
2W.W4.0-52	1475	778	3	397	215	190	700	1080	195	260	385	425	39	25	270	540	595	1/2"	4 × 15	Y160L-4(6)	15(11)
2W.W4.5-61	1657	849	3	441	231	220	780	1220	215	290	455	505	46	30	320	635	710	1/2"	4 × 19	Y200L-4(6,8)	30(22,18.5,15)
2W.W4.5-62	1697	849	3	441	231	220	813	1253	215	290	500	550	46	30	320	635	710	1/2"	4 × 19	Y225S-8	18.5
2W.W4.5-63	1602	849	3	441	231	220	740	1180	215	290	460	510	46	30	320	635	665	1/2"	4 × 19	Y180L-4	22
2W.W5.0-71	1892	1019	3	528	253	230	962	1422	240	320	520	580	52.5	25	355	780	745	1/2"	4 × 19	Y255M(S)-4(6)	30(37,45)
2W.W5.0-72	1957	1019	3	528	253	230	1034	1494	240	320	580	640	52.5	25	355	780	845	1/2"	4 × 19	Y25M-6(8)	37(30)



型号机座号 Type Machine-foundation number	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈	B ₁	B ₂	B ₃	B ₄	B ₅	H ₁	H ₂	H ₃	H ₄	Gx	n × φ	配套电机型号 Matched motor type	电机功率 Motor power
2W.W5.5-81	2054	1113	6	566	265	150	635	1270	1570	260	365	465	555	57.8	30	445	910	965	1/2"	6 × 19	Y250M-4	55
2W.W5.5-82	2179	1113	6	566	265	210	635	1270	1690	260	365	515	605	57.8	30	470	935	1020	1/2"	6 × 19	Y208S(M)-4(6,8)	75(55,45,37)
2W.W6.1-91	2268	1203	6	607	272	235	650	1300	1770	270	385	500	650	62.5	30	490	1000	1040	1/2"	6 × 19	Y280S(M)-4	75(90)
2W.W6.1-92	2398	1203	6	607	272	235	650	1344	1841	270	385	590	740	62.5	30	525	1035	1185	1/2"	6 × 19	Y315S-6(8)	75(55)
2W.W6.1-93	2143	1203	6	607	272	235	650	1180	1654	270	385	484	620	62.5	30	485	995	1005	1/2"	6 × 19	Y250M-4	55
2W.W6.9-101	2566	1291	6	647	287	246	730	1460	1952	290	395	590	730	70.5	34	555	1025	1220	1/2"	6 × 23	Y315M(L)-4(6,8)	132(110,90)
2W.W7.6-111	2909	1454	6	729	295	314	740	1480	2159	315	470	600	690	75	30	545	1100	1210	1/2"	6 × 23	Y315M(S,L)-4(6,8)	132(110,90)
2W.W8.3-131	3016	1561	6	811	365	300	780	1560	2160	340	495	595	700	82.5	30	580	1200	1285	1/2"	6 × 23	Y315L-6	132

3G 三螺杆泵

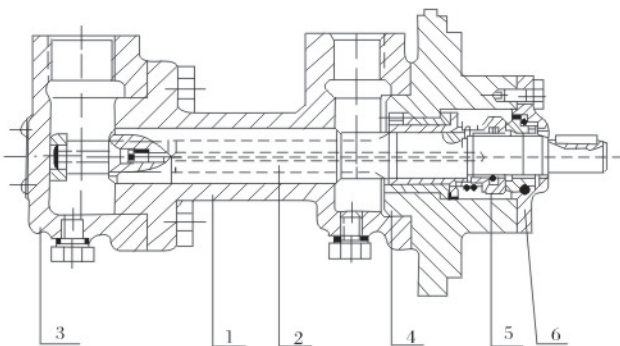
3G SCREW SPINDLE PUMP



三螺杆泵包括3G通用型, 3GC船用型及特殊型。三螺杆泵是转子式容积泵, 由于主动螺杆与从动螺杆上螺旋槽相互啮合及它们与衬套三孔内表面的配合, 得以在泵的进出口之间形成数级动密封腔室, 这些动密封腔室将不断把液体由泵进口轴向移动到泵出口, 并使所输液体逐级升压, 从而形成一个连续、平稳、轴向移动的压力液体。

三螺杆泵所输液体为各种不含固体颗粒, 无腐蚀性油类及类似油的润滑性液体, 所输液体粘度为 $1.2 \sim 100^\circ \text{E}$ ($3.0 \sim 760 \text{cst}$), 含高粘度液体亦可通过加温降粘后输送。

流量范围 $0.2 \sim 590 \text{m}^3/\text{h}$, 最高工作压力 100bar , 最高温度 150°C 。



- | | |
|----------------------|----------------------|
| 1. 泵体 pump casing | 2. 螺杆 screw spindle |
| 3. 吸入盖 suction cover | 4. 上盖 upper cover |
| 5. 机械密封 mechanical | 6. 密封盖 cover of seal |

1. 结构简单: 具有多种结构形式, 一般小流量 $0.2 \sim 6.5 \text{m}^3/\text{h}$, 泵的泵体和衬套合为一体 (统称泵体), 轴封为机械密封。

The three spindle screw pumps consist of general design type 3G, marine usage pump 3GC and three screw pumps of special design.

The three spindle screw pump is a positive displacement rotary pump. Inside the pump casing, as the flanks of teeth of drive screw and idler screws are engaged and the screws are also matched with the three inset holes, several sealed moving chambers are thereby formed in between the pump inlet and outlet end. These closed chambers will take the medium in-side to move from the inlet end axially and let flow pressurized progressively, to have a continuous, constant, axial flow pressurized liquid.

The three spindle screw pumps are suitable for pumping various kinds of non-corrosive oil without contents of solid grains and liquids similar to lubricating oils. The viscosity of mediums to be conveyed range from 1.2 to 100°E (3.0 to 760cst), liquid with a higher viscosity could also be pumped after heating up (lowering down the viscosity).

The flow range is $0.2 \sim 590 \text{m}^3/\text{h}$, and the maximum working pressure is 100bar , The highest temperature is 150°C .

1. Simple in construction: The pump has quite a few construction forms. General for small flow range $0.2 \sim 6.5 \text{m}^3/\text{h}$, pump casing and insert is made in one part. Mechanical seal is used as the pump shaft seal.

中等流量以上的泵衬套为一单独的零件固定于泵体内，大流量泵多制成双吸结构卧式安装，轴封根据输送介质的不同有机械密封和填料密封两种。

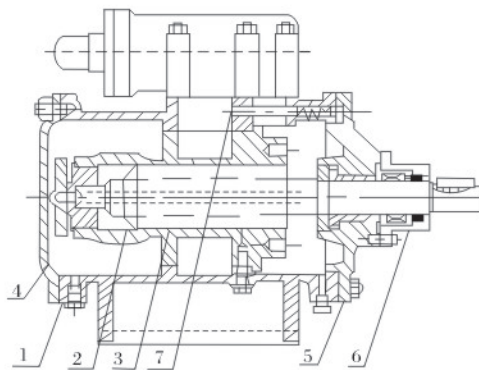
船用泵的安装形式有卧式和立式两种，原动机为交、直流船用电动机。

2、寿命长：三螺杆泵的主动螺杆由电动机驱动，主、从杆之间没有机械接触，而由所输压力液体驱使从杆绕轴线自转，主、从杆之间、螺杆与衬套之间皆有一层油膜保护，因而泵的机械摩擦极小，寿命堪称半永久性。

3、所输液体在泵内作轴向匀速直线运动，故压力脉动小，流量稳定，噪音低，由于转动部件惯性小，则起动力矩和振动很小。

4、具有高吸入能力。

5、为保证泵，电机及管路系统的安全，中等流量以上的螺杆泵均带有安全阀，当压力超过安全阀的设定压力时，高压油将回流至泵的进油口。



- | | | |
|----------------------|----------------------|---------------------|
| 1. 泵体 pumpcasing | 2. 衬套 Liner | 3. 螺杆 screw spindle |
| 4. 下盖 lower cover | 5. 上盖 upper cover | |
| 6. 密封盖 cover of seal | 7. 安全阀 relief valves | |

1. Pumps of middle and big flow range have a separate insert to be fixed in side the pump casing. Big pumps are mostly of a double-suction design for horizontal installation. For different mediums to be pumped machnical seals or packing seals could be supplied.

For marine application pumps, installation forms could be horizontal and vertical,with marine AC and DC drivers.

2. Long life time:As the drive screw is driven by motor and there is no mechanical contact between the drive screw and the idler screws;the idler screw are hydraulically driven by the pressured liquid;between the drive screw and idler screw,screws set and insert an oil film is formed, so the mechanical friction is minimized and a longer life isensured.

3. The medium to be pumped is in a manner of constant axial flow movement,so the pressure pulsation is almost eliminated, meanwhile the noise is lowered;and as the moving parts have a very little inertia, the starting torque and vibration is very little.

4. Pump have a very high suction capability.

5. In order to ensure the safe worhing of pump, motor, piping system,pumps for a capacity higher than middle flow rang are all equipped with safety valves,when working pressure is exceeding the setting pressure of valves,pressured oil will circuate back to suction chamber.

材料组合代码 Material code	泵 体 Casing	衬 套 Insert	适用范围 Using range
W1	HT200 Castiron	稀土铜钼球铁 Specialmodulcastiron	可低压输送润滑性较差粘度适当的液体如燃油等。 Used to pump the medium(such as fuel oil)With less lubricity and suitable viscosity at lower pressure.
W2	HT200 Castiron	ZL109 CastAL	可低压输送润滑性好，粘度适当的液体，如润滑油等。 Used to pump the medium (such as lubricant oil) with less lubricity and suitable viscosity at lower pressure.
W3	QT450-10 Nodularcastiron	ZL109 CastAL	用于特殊场合(如船用泵)低压输送润滑性较好粘度适当的液体,如润滑油等。 Used in particular case, such as marine pump ,to pump the medium(such as lubricant oil) with better lubricity and suitable viscosity at lower pressure.
W4	QT450-10 Nodularcastiron	稀土铜钼球铁 Specialmodulcastiron	用于特殊场合(如船用泵)低压输送润滑性较好粘度适当的液体,如燃油等。 Used in particular case, such as marine pump ,to pump the medium(such as lubricant oil)with less lubricity and suitable viscosity as fuel oil at lower pressure.
W21	HT200 Castiron	ZCuSn5Pb5Zn5 Specialbronze	可在较高压力下输送润滑性较差粘度较低的液体.如重油、燃油等。 Used to pump the medium with less lubricity and lower viscosity, such as heavy oil and fuel oil.
W23	QT450-10 Nodularcastiron	ZCuSn5Pb5Zn5 Special bronze	用于特殊场合(如船用泵)低压输送润滑性较差.粘度较低的液体,如重油、燃油等。 Used in particular case, such as marine pump ,to pump the medium with less lubricity and lower viscosity, such as heavy oil and fuel oil, at higher pressure.

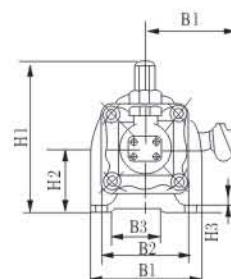
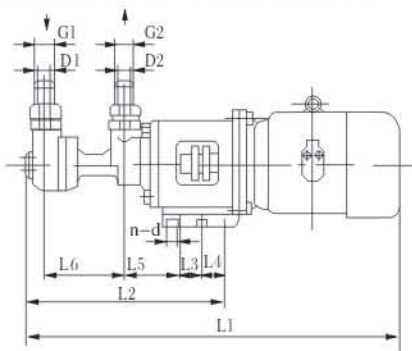
系列说明 System Code

系列特征 Serie	系列代号 Figure	结构型式 Construction form	适用范围 Main application	性能范围 Specifications	
				流量 Capac.	最高工作压力 Manx pre.
滑油系列 For Lub. oil	3G 3GG	卧式单吸 single suction horizontal installation	20~150cst 润滑油类及润滑性液体 Lub. oil or Lub. liquid Visc. 20~150cst	0.3~94 (m ³ /h)	60 (bar)
	3GS 3GCS	卧式双吸 Double suction horizontal installation		850~590	16
	3GCG	立(悬挂)式单吸 Single suction hanging installation		10~96	8
	2GCL	立式柱脚型单吸 Single suction Vertical pedestal		4~96	8
	3GCLS	立式柱脚双吸 Double suction Vertical pedestal		88~306	8
燃油系列 For fuel oil	3GR 3GCR	卧式单吸 single suction horizontal installation	3~365cst 轻重质燃油类 Lingt oil or Heavy oil Visc. 3~365cst	0.3~94	60①
	3GSr 3GCSr	卧式双吸 Double suction horizontal installation		80~590	25②
高粘油系列 For high visc. fuel oil	3GN	卧式单吸 single suction horizontal installation	365~760cst 高粘油类 High Visc. fuel oil Visc. 365~760cst	1.0~40	25

注解: ①适用于重质燃油类。①for Heavy oil ②适用于轻质燃油类。②for Light oil

泵型号 Pump Size		流 量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type & Size
		米³ / 时 m³ / h	升 / 分 l / min			轴功率 Input Power	电动机功率 Motor Power					
3G 3GC 3Gr 3GCr (750cst) ①	25×4	2.0	33	10	2900	1.1	1.5	6	25	20	9	90S-2B3
		1.6	26	25		2.2	3					100L-2B3
		0.8	13	10	1450	0.5	0.75	802-4B3				
		0.6	10	25		1.1	1.5	6.5				90L-4B3
	25×6	1.6	26	40	2900	3.4	4	6	25	20	11	112M-2B3
		1.4	23	60		5	5.5					132S1-2B3
		0.6	10	40	1450	1.6	2.2	6.5				100L1-4B3
		0.4	6.6	60		2.5	3					100L2-4B3
	30×4	3.6	60	10	2900	1.9	2.2	5.5	32	25	15	90L-2B5
		3.2	53	25		3.8	4					112M-2B5
		1.6	26	10	1450	0.9	1.5	6				90L-4B5
		1.2	20	25		1.9	2.2					100L1-4B5
	36×4	6.5	108	10	2900	3.2	4	5	50	40	21	112M-2B3
		6	100	25		6.2	7.5					132S2-2B3
		2.8	46	10	1450	1.6	2.2	5.5				100L1-4B3
		2.4	40	25		3.1	4					112M-4B3
3Gr 3GCr (3cst) ②	25×4	1.6	26	10	2900	1.1	1.5	4	25	20	9	90S-2B3
		0.6	10	10	1450	0.5	0.75					802-4B3
	25×6	1.4	23	25	2900	2.2	3	4	25	20	11	100L1-2B3
		0.4	6.6	25	1450	1.1	1.5					90L-4B3
	30×4	3.2	53	10	2900	2.0	2.2	4	32	25	15	90L-2B5
		1.2	20	10	1450	0.9	1.5					90L-4B5
	36×4	6	100	10	2900	3.2	4	4	50	40	21	112M-2B3
		2.4	40	10	1450	1.6	2.2					100L1-4B3

注: ① 适用于重质燃油及润滑油系列。② 适用于轻质燃油系列。①for Heavy oil or Lub oil. ②for light oil.



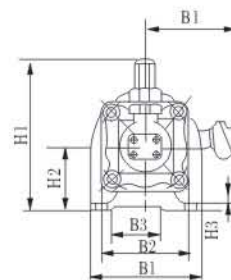
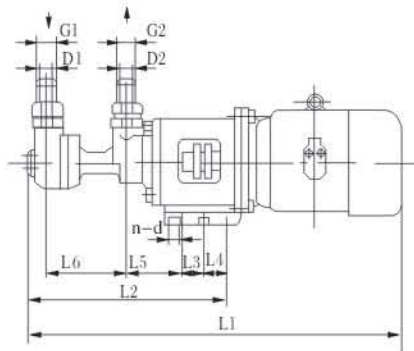
系列说明 System Code

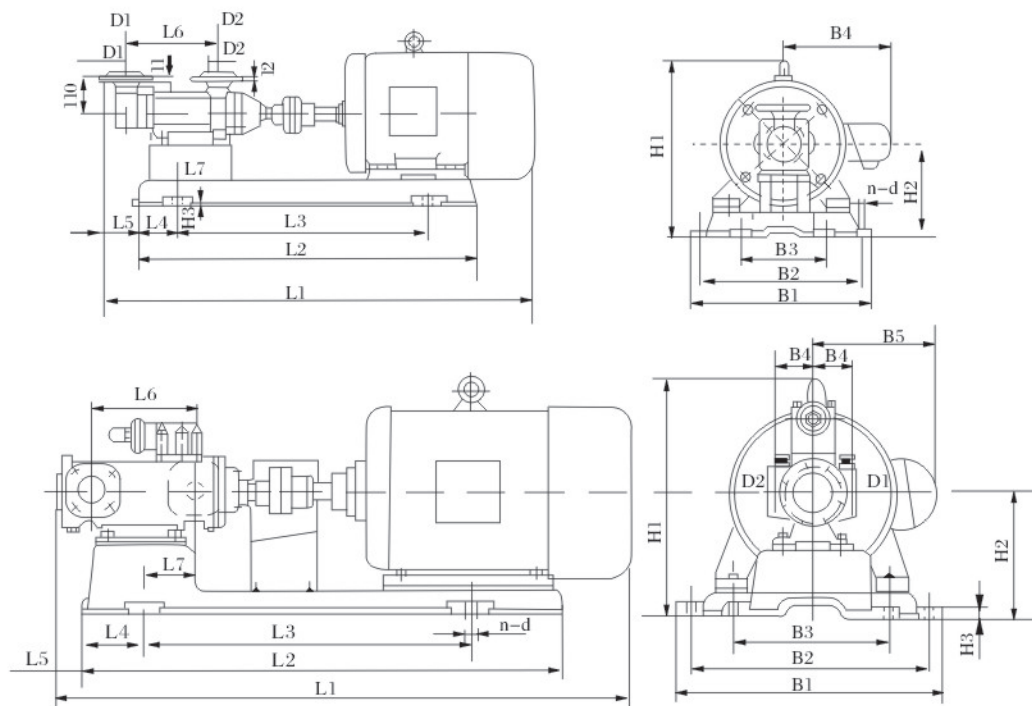
系列特征 Serie	系列代号 Figure	结构型式 Construction form	适用范围 Main application	性能范围 Specifications	
				流量 Capac.	最高工作压力 Manx pre.
滑油系列 For Lub. oil	3G 3GG	卧式单吸 single suction horizontal installation	20~150cst 润滑油类及润滑性液体 Lub. oil or Lub. liquid Visc. 20~150cst	0.3~94 (m ³ /h)	60 (bar)
	3GS 3GCS	卧式双吸 Double suction horizontal installation		850~590	16
	3GCG	立(悬挂)式单吸 Single suction hanging installation		10~96	8
	2GCL	立式柱脚型单吸 Single suction Vertical pedestal		4~96	8
	3GCLS	立式柱脚双吸 Double suction Vertical pedestal		88~306	8
燃油系列 For fuel oil	3GR 3GCR	卧式单吸 single suction horizontal installation	3~365cst 轻重质燃油类 Lingt oil or Heavy oil Visc. 3~365cst	0.3~94	60①
	3GSr 3GCSr	卧式双吸 Double suction horizontal installation		80~590	25②
高粘油系列 For high visc. fuel oil	3GN	卧式单吸 single suction horizontal installation	365~760cst 高粘油类 lling Visc. Fuel oil Visc 365~760cst	1.0~40	25

注解: ①适用于重质燃油类。①for Heavy oil ②适用于轻质燃油类。②for Light oil

泵型号 Pump Size		流量 Capacity		压力 pressure P bar	转速 Speed n 转/分 r/min	功率 Power P(千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米m)	进口 Suction mm	出口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3G 3GC 3Gr 3GCr (750cst) ①	25×4	2.0	33	10	2900	1.1	1.5	6	25	20	9	90S-2B3
		1.6	26	25		2.2	3					100L-2B3
		0.8	13	10	1450	0.5	0.75	6.5				802-4B3
		0.6	10	25		1.1	1.5					90L-4B3
	25×6	1.6	26	40	2900	3.4	4	6	25	20	11	112M-2B3
		1.4	23	60		5	5.5					132S1-2B3
		0.6	10	40	1450	1.6	2.2	6.5				100L1-4B3
		0.4	6.6	60		2.5	3					100L2-4B3
	30×4	3.6	60	10	2900	1.9	2.2	5.5	32	25	15	90L-2B5
		3.2	53	25		3.8	4					112M-2B5
		1.6	26	10	1450	0.9	1.5	6				90L-4B5
		1.2	20	25		1.9	2.2					100L1-4B5
	36×4	6.5	108	10	2900	3.2	4	5	50	40	21	112M-2B3
		6	100	25		6.2	7.5					132S2-2B3
		2.8	46	10	1450	1.6	2.2	5.5				100L1-4B3
		2.4	40	25		3.1	4					112M-4B3
3Gr 3GCr (3cst) ②	25×4	1.6	26	10	2900	1.1	1.5	4	25	20	9	90S-2B3
		0.6	10	10	1450	0.5	0.75					802-4B3
	25×6	1.4	23	25	2900	2.2	3	4	25	20	11	100L1-2B3
		0.4	6.6	25	1450	1.1	1.5					90L-4B3
	30×4	3.2	53	10	2900	2.0	2.2	4	32	25	15	90L-2B5
		1.2	20	10	1450	0.9	1.5					90L-4B5
	36×4	6	100	10	2900	3.2	4	4	50	40	21	112M-2B3
		2.4	40	10	1450	1.6	2.2					100L1-4B3

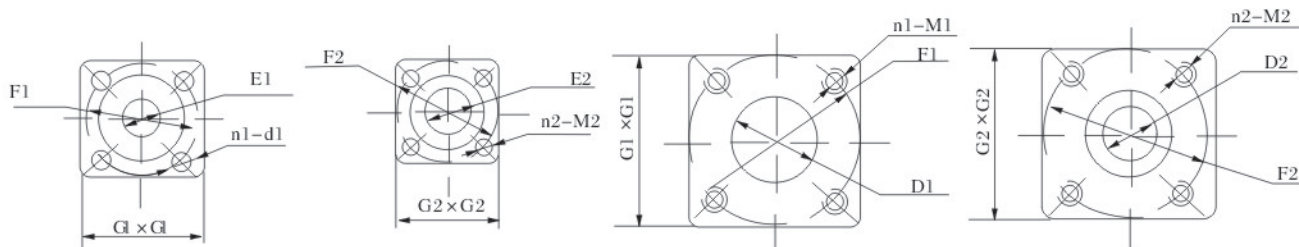
注: ① 适用于重质燃油及润滑油系列。② 适用于轻质燃油系列。①for Heavy oil or Lub oil. ②for light oil.





泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	H1	H2	H3	n-d
36×6A	112M	884	720	460	130	84	235	74	380	340	230	190	355	202	35	4-Φ19
	132S	960	770	510	130	84	235	74	420	380	230	210	405	222	35	4-Φ19
	160M	1084	925	615	180	34	235	74	400	420	230	225	475	250	35	4-Φ19
	160L	1129	925	615	180	34	235	74	460	420	230	255	475	250	35	4-Φ19

注：机组安装尺寸为参考尺寸。



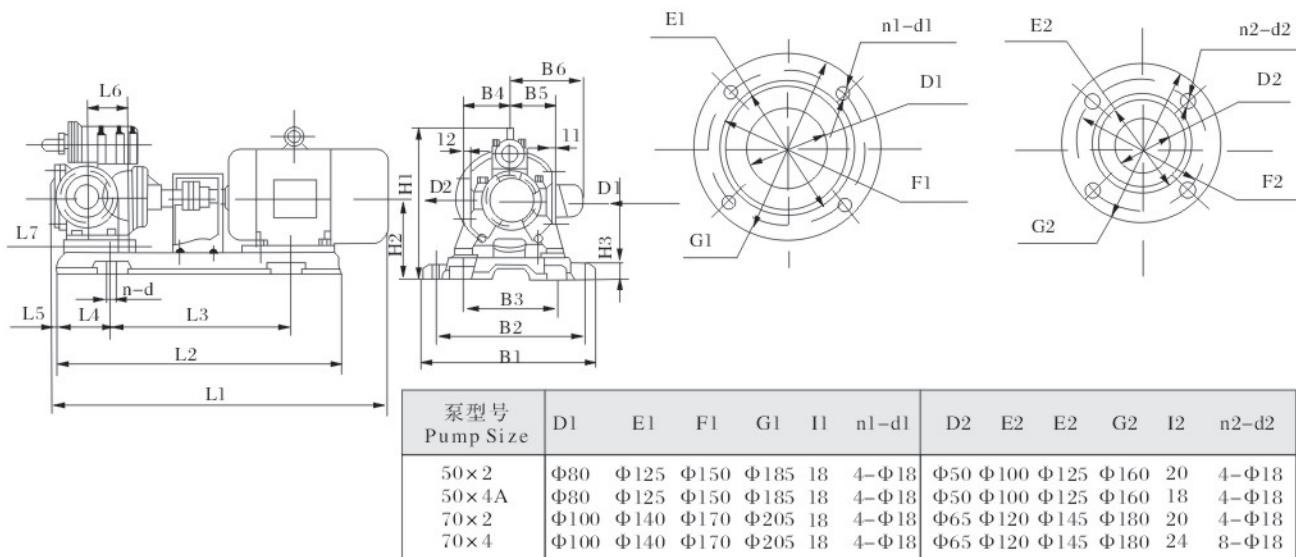
泵型号	D1	E1	F1	G1×G1	il	n1-d1
36×6A	Φ50	Φ90	Φ50	115×115	24	4-Φ14
泵型号	D2	E2	F2	G2×G2	il	n2-d2
36×6A	Φ40	Φ95	Φ125	128×128	24	4-Φ19

泵型号	D1	E1	F1	G1×G1	n1-M1
42×4A	Φ65	Φ130	Φ50	124×124	4-M12
42×4A	Φ65	Φ130		124×124	4-M12
泵型号	D2	F2	F2	G2×G2	n2-M2
42×4A	Φ40	Φ125	Φ125	114×114	4-M16
42×6A	Φ40	Φ125		128×128	4-M20

泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	H1	H2	H3	n-d
42×4A	112M	841	720	420	150	41	155	50	410	350	270	88	190	343	190	35	4-Φ25
	132S	917	765	460	150	41	155	50	450	390	270	88	210	385	202	35	4-Φ25
	160M	1043	890	590	150	41	155	50	480	420	270	88	255	455	230	35	4-Φ25
42×6A	132S	1003	992	622	150	47	229	127	450	390	270	88	210	440	250	35	4-Φ25
	160M	1136	1020	680	150	47	229	127	50	440	300	88	25	475	250	35	4-Φ25
	160L	1181	1020	680	150	47	229	127	500	440	300	88	250	475	250	35	4-Φ25
	200L	1312	1120	740	150	47	229	127	580	520	320	88	310	565	290	35	4-Φ25

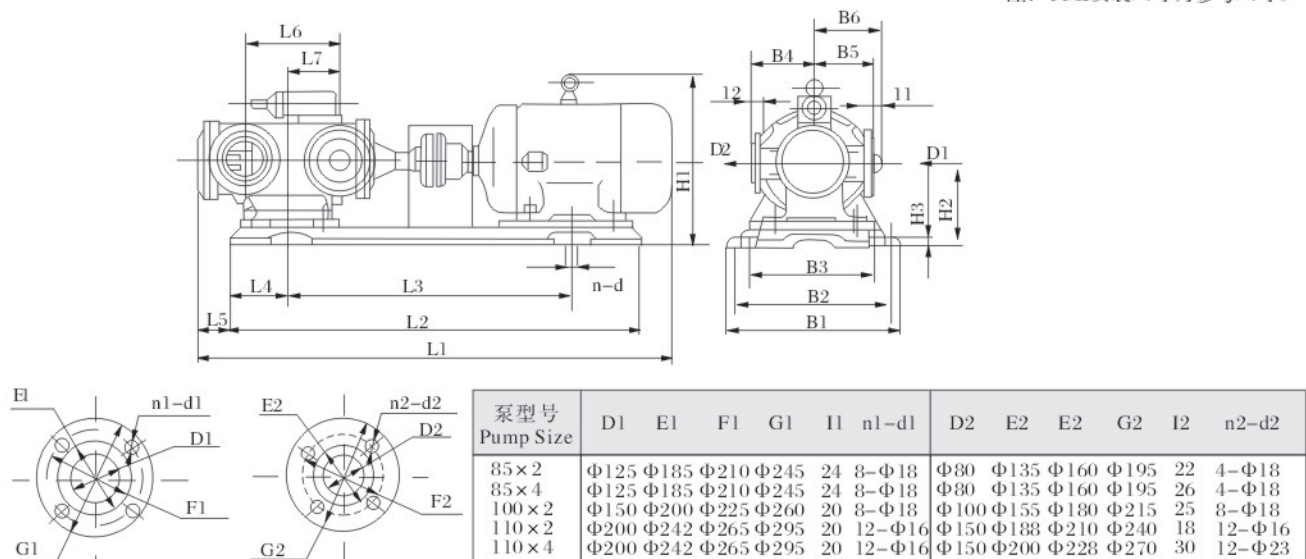
注：机组安装尺寸为参考尺寸。

泵型号 Pump Size		流量 Capacity		压力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type & Size
		米 ³ /时 m ³ /h	升 / 分 l / min			轴功率 Input Power	电动机功率 Motor Power					
3G 3GC 3Gr 3GCr (75cst)	50×2	17.5	291	6	2900	5.2	5.5	4.5	80	50	80	132S1-2B3
		16	266	10	2900	8.1	11	4.5				160M1-2B3
		8.2	136	6	1450	2.6	3	5				100L2-4B3
		7.5	125	10	1450	4.0	5.5	5				132S-4B3
	50×4A	17.5	291	16	2900	11.6	15	4.5	80	50	90	160M-2B3
		16	266	25	2900	16.5	18.5	4.5				160L-2B3
		8.2	136	16	1450	5.8	7.5	5				132M-4B3
		7.5	125	25	1450	8.2	11	5				160M-4B3
	70×2	24	400	6	1450	7	11	4.5	100	65	105	160M-4B3
		23	383	10	1450	9.8	15	4.5				160L-4B3
		15	250	6	970	4.8	5.5	5				132M2-6B3
		14	233	10	970	6.5	7.5	5				160M-6B3
	70×4	24	400	16	1450	14	18.5	4.5	100	65	120	180M-4B3
		22	366	25	1450	20.5	22	4.5				180L-4B3
		15	250	16	970	7.5	11	5				160L-6B3
		14	233	25	970	13.5	18.5	5				200L1-6B3
3Gr 3GCr (3cst)	50×2	16	266	4	2900	3.3	5.5	4	80	50	80	132S1-2B3
		7.5	125	4	1450	1.7	2.2	4				100L1-4B3
	50×4A	16	266	10	2900	8.1	11	4	80	50	90	160M1-4B3
		7.5	125	10	1450	4.0	7.5	4				132M-4B3
	70×2	22	366	4	1450	5	7.5	4	100	65	105	132M-4B3
		13	216	4	970	3.5	4	4				132M1-6B3
	70×4	22	336	10	1450	9.5	15	4	100	65	120	160L-4B3
		13	216	10	970	6.5	11	4				160L-6B3



泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	B5	B6	H1	H2	H3	n-d
50×2	100L	783	700	400	150	16	95	24	335	275	275	140	140	180	347	202	35	4-Φ25
	132S	887	750	450	150	16	95	24	435	385	275	140	140	210	385	202	35	4-Φ25
	160M	1003	875	575	150	16	95	24	485	425	275	140	140	255	455	230	35	4-Φ25
50×4A	132M	1028	870	470	200	46	190	40	440	380	300	140	140	210	385	202	35	4-Φ25
	160M	1113	992	592	200	46	190	40	490	430	300	140	140	255	455	230	35	4-Φ25
	160L	1156	992	592	200	46	190	40	490	430	300	140	140	255	455	230	35	4-Φ25
70×2	132M	1073	940	630	160	36	140	65	435	375	375	170	170	210	443	260	35	4-Φ25
	160M	1158	1060	700	160	36	140	65	480	420	335	170	170	255	485	260	35	4-Φ25
	160L	1203	1060	700	160	36	140	65	480	420	335	170	170	255	485	260	35	4-Φ25
70×4	160L	1338	1170	800	180	66	240	115	480	420	365	180	180	255	475	280	35	4-Φ25
	180M	1363	1220	820	180	66	240	115	510	450	365	180	180	285	530	280	35	4-Φ25
	180L	1403	1220	820	180	66	240	115	510	450	365	180	180	285	530	280	35	4-Φ25
	200L	1468	1250	860	180	66	240	115	550	490	365	180	180	310	575	280	40	4-Φ25

注：机组安装尺寸为参考尺寸。



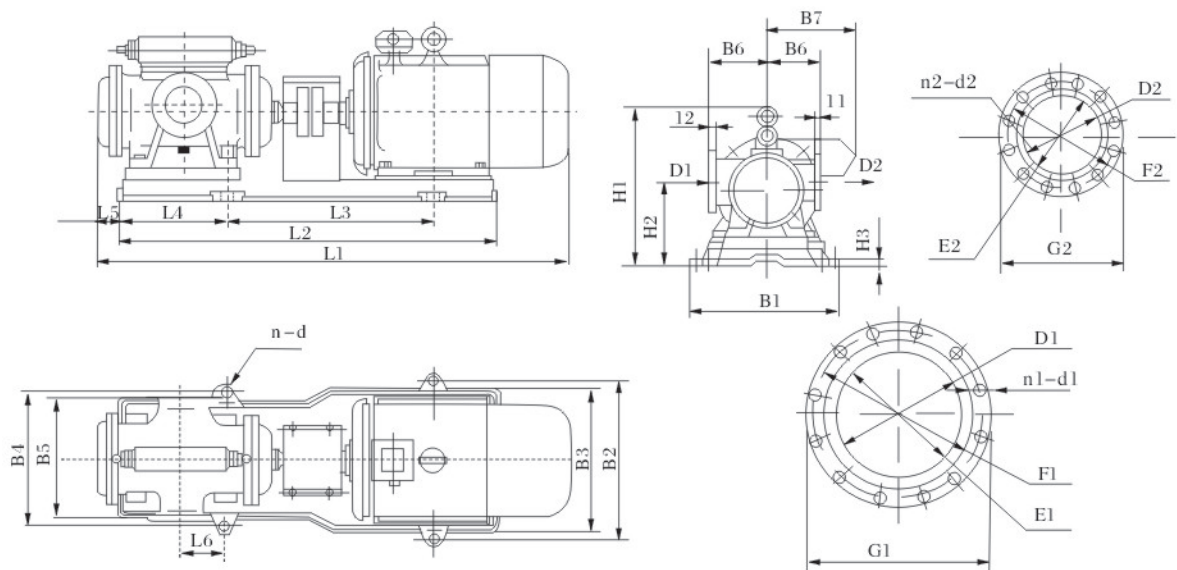
泵型号 Pump Size		流 量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type&Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3G 3GC 3Gr 3GCr (75est)	85×2	43	716	6	1450	12.5	15	4.5	125	80	158	160L-4B3
		40	666	10		18	22					180L-4B3
		28	466	6	970	8.5	11	5				160L-6B3
		25	416	10		10	15					180L-6B3
	85×4	43	716	16	1450	25	30	4.5	125	80	178	200L-4B3
		40	666	25		36	45					225M-4B3
		28	466	16	970	19.5	22	5				200L2-6B3
		25	416	25		25.4	30					225M-6B3
	100×2	70	1166	6	1450	20	22	4	150	100	200	180L-4B3
		68	1133	10		27.7	30					200L-4B3
		45	750	6	970	13.8	15	4.5				180L-6B3
		43	716	10		18.2	22					200L2-6B3
	110×2	94	1566	6	1450	23	30	4	200	150	225	200L-4B3
		90	1500	10		34	45					225M-6B3
		60	1000	6	970	17.3	18.5	4.5				200L1-6B3
		56	933	10		27.7	30					225M-6B3
	110×4	94	1566	16	1450	53	75	4	200	150	325	280S-4B3
		90	1500	25		80	90					280M-4B3
		60	1000	16	970	36	45	4.5				280M-6B3
		56	933	25		48	55					280M-6B3

泵型号 Pump Size	机座号 Motor Frame Size	L 1	L 2	L 3	L 4	L 5	L 6	L 7	B 1	B 2	B 3	B 4	B 5	B 6	H 1	H 2	H 3	n-d
85×2	160L	1266	1130	70	220	26	165	70	485	430	380	200	200	255	515	290	35	4-Φ25
	180L	1330	1190	750	220	26	165	70	535	460	380	200	200	285	540	290	35	4-Φ25
85×4	180L	1484	1325	875	230	61	295	157	500	440	440	180	180	240	525	310	35	4-Φ25
	200L	1553	1420	900	250	61	295	135	595	535	380	200	200	335	575	310	35	4-Φ25
	225M	1630	1420	900	250	61	295	135	595	535	380	200	200	345	640	335	35	4-Φ25
100×2	180L	1459	1315	810	250	55	210	70	560	500	500	220	220	285	613	320	40	4-Φ25
	200L	1522	1315	810	250	55	210	70	560	500	500	220	220	310	613	320	40	4-Φ25
110×2	200L	1566	1350	850	250	66	205	75	610	540	540	260	250	310	635	335	40	4-Φ25
	225M	1637	1405	905	250	66	205	75	610	540	540	260	250	345	640	340	40	4-Φ25
110×4	225M	1862	1520	820	350	171	380	45	760	680	540	260	250	345	650	350	50	4-Φ25
	280S	2011	1700	1000	350	171	380	45	760	680	540	260	250	410	695	395	50	4-Φ25
	280M	2061	1700	1000	350	171	380	45	760	680	540	260	250	410	695	395	50	4-Φ25

泵型号 Pump Size		流量 Capacity		压力 pressure P bar	转速 Speed n 转 / 分 r / min	功率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3GS 3GCS 3GSr 3GCSr (75cst)	100×2	146	2433	6	1450	35	45	4	250	150	420	225M-4B3
		140	2333	10		50	55					250M-4B3
		132	2200	16		80	90					280M-4B3
		90	1500	6	970	26	30					225M-6B3
		86	1433	10		32.5	37					225M-6B3
		80	1333	16		43	55					280M-6B3
	160D×4	300	5000	6	1450	68	75	4	300	200	520	280S-4B3
		292	4866	10		102	110					315S-4B3
		280	4662	16		160	200					355S2-4B3
		194	3230	6	970	48	55					280M-6B3
		186	3096	10		66	75					315S-6B3
		180	2997	16		98	110					315L1-6B3
	200D×3	590	9823	6	1450	135	160	4	400	300	650	315L1-4B3
		570	9490	10		200	250					355S4-4B3
		550	9157	16		320	250					355S4-4B3
		380	6327	6	970	90	110					315L1-6B3
		370	6160	10		135	160					315L1-6B3
		360	5994	16		215	160					355S2-6B3

泵型号 Pump Size	机座号 Motor Frame Size	L 1	L 2	L 3	L 4	L 5	L 6	B 1	B 2	B 3	B 4	B 5	B 6	B 7	H 1	H 2	H 3	n-d
100×2	225M	1769	1505	900	300	100	35	640	560	500	560	500	280	365	680	395	50	4-Φ25
	250M	1855	1570	900	300	100	35	695	615	555	540	480	280	435	700	395	50	4-Φ25
	280M	1987	1650	1080	300	100	35	745	665	613	540	480	280	465	759	405	50	4-Φ25
160D×3	280S	2106	1738	1180	285	175	-	745	665	613	600	550	340	465	950	485	40	4-Φ30
	280M	2157	1738	1180	285	175	-	745	665	613	600	550	340	465	950	485	40	4-Φ30
	315S	2460	1860	1250	290	170	-	770	690	640	600	550	340	465	970	485	50	4-Φ30
	315L	2510	1860	1250	290	170	-	770	690	640	600	550	340	465	970	485	50	4-Φ30
	355S	2710	2250	1350	290	170	-	975	895	835	600	550	340	600	1070	475	40	4-Φ30
200D×3	315L	2630	2175	1450	325	210	-	770	690	640	600	730	450	450	1048	525	50	4-Φ30
	355S	2830	2245	1500	325	210	-	975	895	835	640	730	450	600	1148	525	50	4-Φ30

注：机组安装尺寸为参考尺寸。

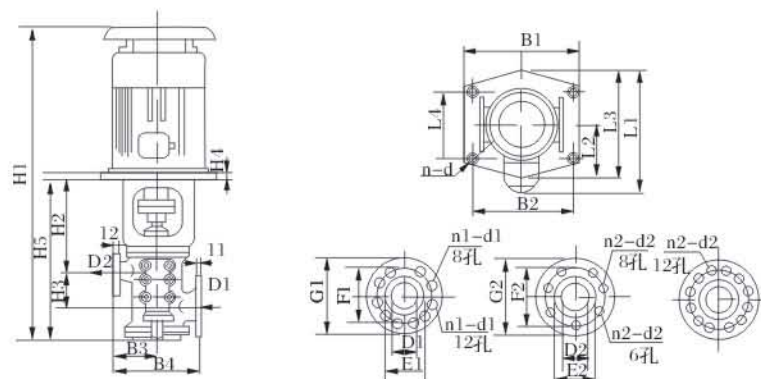


泵型号 Pump Size	D1	E1	F1	G1	L1	n1-d1	D2	E2	E2	G2	I2	n2-d2
100×2	Φ250	Φ305	Φ330	Φ365	24	12-Φ18	Φ150	Φ188	Φ210	Φ240	24	12-Φ16
160D×3	Φ300	Φ362	Φ396	Φ435	35	12-Φ23	Φ200	Φ265	Φ295	Φ335	35	12-Φ23
200D×3	Φ450	Φ518	Φ550	Φ590	40	16-Φ23	Φ300	Φ368	Φ400	Φ440	40	12-Φ23

泵型号 Pump Size		流 量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3GCG (75cst)	50×2	18	300	4	2900	3.6	4	4.5	80	50	95	YH12M-2V1 Z2C-32
		17.5	290	6		5.2	5.5					YH132S1-2V1 Z2C-41
		16	265	8		7.2	7.5					YH132S-2V1 Z2C-42
		10	165	5	2100	3.2	5					Z2C-51 D2L(幅压)
	70×2	25	415	4	1450	5.0	5.5	4.5	100	65	135	YH132S-4V1 Z2C-51
		24	410	6		7	11					YH160M-4V1
		23.5	400	8		9	11					Z2C-52 YH160M-4V1
		72	1200	4	1450	16	18.5					YH180M-4V1 Z2C-71
	100×2	70	1165	6		20	22	4	150	100	198	YH180L-4V1 Z2C-72
		69	1150	8		24	30					YH200L-4V1 Z2C-81
		96	1600	4		17	22					YH180L-4V1 Z2C-72
	110×2	94	1565	6	1450	23	30	4	200	150	230	YH200L-4V1 Z2C-81
		92	1530	8		29	37					YH225S-4V1 Z2C-82

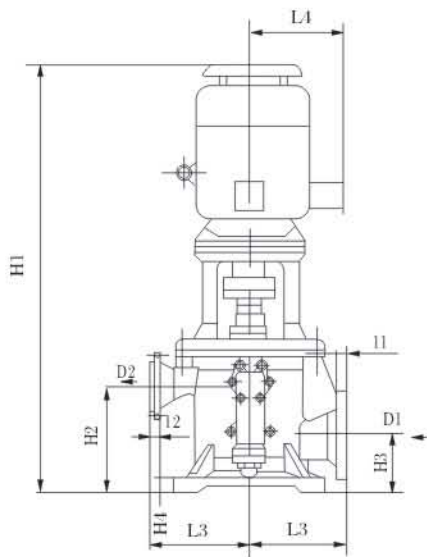
泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	B1	B2	B3	B4	H1	H2	H3	H4	H5
3GCG50×2	112M	311	181	300	180	345	310	260	130	851	269	95	14	469
	132S	311	181	300	180	345	310	260	130	923	269	95	14	469
	Z2C-32	311	181	300	180	345	310	260	130	969	269	95	14	469
	Z2C-41	311	181	300	180	345	310	260	130	939	269	95	14	469
	Z2C-42	311	181	300	180	345	310	260	130	974	269	95	14	469
	Z2C-51	311	181	300	180	345	310	260	130	1044	269	95	14	469
3GCG70×2	132S	410	210	400	200	500	440	340	170	1082	376	140	17	638
	160M	410	210	400	200	500	440	340	170	1182	376	140	17	638
	Z2C-51	410	210	400	200	500	440	340	170	1200	376	140	17	638
	Z2C-52	410	210	400	200	500	440	340	170	1240	376	140	17	638
3GCG100×2	180M	418	193	450	260	540	480	440	220	1465	476	210	24	855
	180L	418	193	450	260	540	480	440	220	1503	476	210	24	855
	200L	418	193	450	260	540	480	440	220	1565	476	210	24	855
	Z2C-71	418	193	450	260	540	480	440	220	1630	476	210	24	855
	Z2C-72	418	193	450	260	540	480	440	220	1670	476	210	24	855
	Z2C-81	485	193	530	260	600	540	440	220	1705	476	210	24	855
3GCG110×2	180L	515	315	400	220	620	560	500	250	1545	527	205	25	920
	200L	515	315	400	220	620	560	500	250	1605	527	205	25	920
	225S	590	315	550	220	660	600	500	250	1625	527	205	25	920
	Z2C-72	590	315	550	220	660	600	500	250	1732	527	205	25	920
	Z2C-81	590	315	550	220	660	600	500	250	1767	527	205	25	920
	Z2C-82	590	315	550	220	660	600	500	250	1802	527	205	25	920

注：机组安装尺寸为参考尺寸。



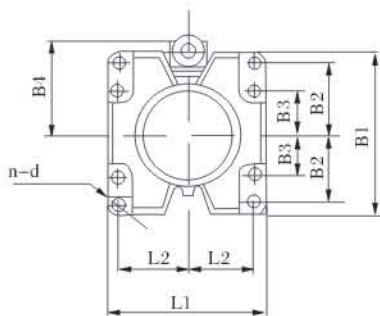
泵型号 Pump Size	D1	F1	G1	I1	n1-d1	D2	F2	G2	I2	n2-d2	n-d
3GCG50×2	80	138	170	15	8-Φ16	50	103	135	15	6-Φ16	4-Φ14
3GCG70×2	100	158	190	15	8-Φ16	65	123	155	15	6-Φ16	4-Φ18
3GCG100×2	150	208	240	15	12-Φ16	100	158	190	16	8-Φ16	4-Φ23
3GCG110×2	200	264	295	16	12-Φ16	150	208	240	16	12-Φ16	4-Φ23

泵型号 Pump Size		流 量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3GCL (75cst)	50×2	18	300	4	2900	3.6	4	4.5	80	50	147	112M-2V1
		17.5	290	6		5.2	5.5					132S1-2V1
		16	265	8		7.2	7.5					132S2-2V1
		9	150	4	1450	1.9	2.2					100L1-4V1
		8.2	135	6		2.6	3					100L2-4V1
		7.5	125	8		3.6	4					112M-4V1
	70×2	25	415	4	1450	5	5.5	4.5	100	65	180	132S-4V1
		24.5	405	6		7	11					160M-4V1
		24	400	8		9	11					160M-4V1
		16	265	4	970	3.3	4					132M1-6V1
		15	250	6		4.8	5.5					132M2-6V1
		14	230	8		5.9	7.5					160M-6V1
	85×2	44	730	4	1450	9.5	11	4.5	125	80	265	160M-6V1
		43	715	6		12.5	15					160L-6V1
		41	680	8		15	18.5					180L-6V1
		30	500	4	970	6.7	7.5					160M-6V1
		28	465	6		8	11					160L-6V1
		26	430	8		10	15					180L-6V1
	100×2	72	1198	4	1450	16	18.5	4	150	100	320	180M-4V1
		70	1165	6		20	22					180L-4V1
		69	1150	8		25	30					200L-4V1
		47	780	4	970	9.6	11					160L-6V1
		45	750	6		13.5	15					168L-6V1
		43	715	8		16.4	18.5					200L1-6V1
	110×2	96	1560	4	1450	17	22	4	200	150	352	180L-4V1
		94	1565	6		23	30					200L-4V1
		92	1530	8		29	37					225S-4V1
		63	1050	4	970	12.8	15					180L-6V1
		60	1000	6		16.7	18.5					200L1-6V1
		56	930	8		18.5	22					200L2-6V1

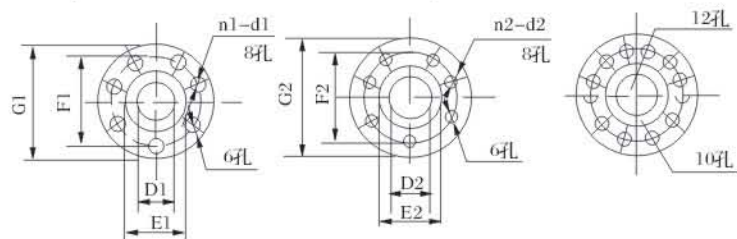


泵型号 Pump Size	机座号 Motor Frame Size	L 1	L 2	L 3	L 4	B 1	B 2	B 3	B 4	H 1	H 2	H 3	H 4	n-d
3GCL50×2	100L	350	145	190	170	350	145	-	210	847	240	175	40	4-Φ27
	112M	350	145	190	280	350	145	-	210	892	240	175	40	4-Φ27
	132M	350	145	190	230	350	145	-	210	947	240	175	40	4-Φ27
3GCL70×2	132S	400	170	230	230	400	170	-	260	1114	300	220	40	4-Φ27
	132M	400	170	230	230	400	170	-	260	1151	300	220	40	4-Φ27
	160M	400	170	230	230	400	170	-	260	1244	300	220	40	4-Φ27
3GCL85×2	160L	470	205	300	260	470	205	-	340	1337	325	160	40	4-Φ27
	160M	470	205	300	260	470	205	-	340	1293	325	160	40	4-Φ27
	180L	470	205	300	275	470	205	-	340	1397	325	160	40	4-Φ27
	180M	470	205	300	275	470	205	-	340	1359	325	160	40	4-Φ27
3GCL100×2	160L	520	200	280	260	520	200	-	335	1479	400	280	40	4-Φ27
	160M	520	200	280	260	520	200	-	335	1500	400	280	40	4-Φ27
	180L	520	200	280	275	520	200	-	335	1538	400	280	40	4-Φ27
	200L	520	200	280	335	520	200	-	335	1600	400	280	40	4-Φ27
3GCL110×2	180L	560	225	340	275	560	230	130	385	1578	425	340	40	8-Φ23
	200L	560	225	340	335	560	230	130	385	1640	425	340	40	8-Φ23
	225S	560	225	340	365	560	230	130	385	1684	425	340	40	8-Φ23

注：机组安装尺寸为参考尺寸。



泵型号 Pump Size	D 1	E 1	F 1	G 1	L 1	n1-d1	D 2	E 2	F 2	G 2	L 2	n2-d2
3GCL50×2	80	118	138	170	14	6-Φ14	50	84	103	135	13	6-Φ14
3GCL70×2	100	138	158	190	14	8-Φ14	65	110	132	170	15	8-Φ16
3GCL85×2	125	185	210	245	22	10-Φ16	80	135	160	195	24	8-Φ16
3GCL100×2	150	190	208	240	14	12-Φ14	100	146	167	205	16	10-Φ16
3GCL110×2	200	247	264	295	15	12-Φ14	150	196	217	225	15	12-Φ16

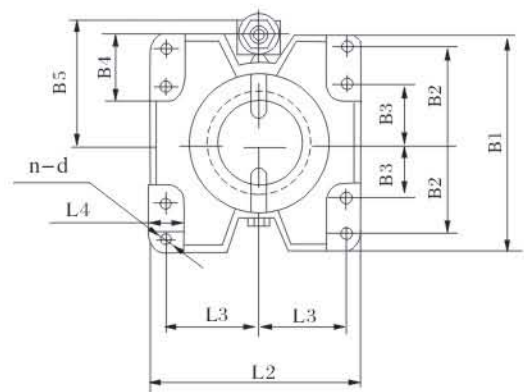
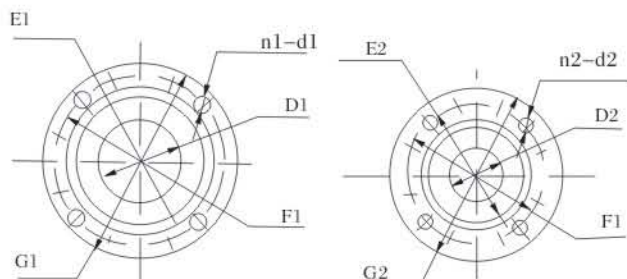
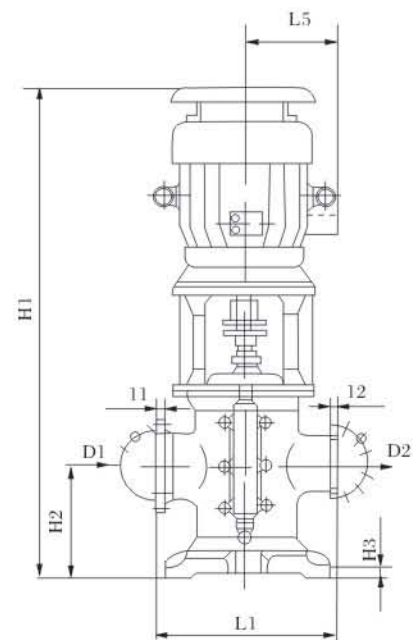


泵型号 Pump Size		流 量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
		米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3GCLS (75est)	100×2	150	2495	4	1450	30	37	4	250	150	577	225S-4V1
		146	2430	6		35	55					250M-4V
		142	2360	8		39	55					250M-4V1
	110×2	94	1565	4	970	22	30	4	250	200	610	225M-6V1
		90	1500	6		26	30					225M-6V1
		88	1465	8		33	37					250M-6V1
	160D×3	200	3330	4	1450	30	37	4	250	200	610	225S-4V1
		196	3260	6		46	55					250M-4V1
		192	3195	8		61	75					280S-4V1
		128	2130	4	970	23	30	4	300	300	705	225M-6V1
		124	2060	6		34.8	37					250M-6V1
		120	2000	8		38.9	45					280S-6V1
		306	5090	4	1450	45	55	4	300	300	705	250M-4V1
		300	4995	6		68	75					280M-6V1
		295	4910	8		89	110					315S-4V1
		200	3330	4	970	33	37	4	300	300	705	250M-6V1
		194	3230	6		48	55					280M-6V1
		188	3130	8		62	75					315S-6V1

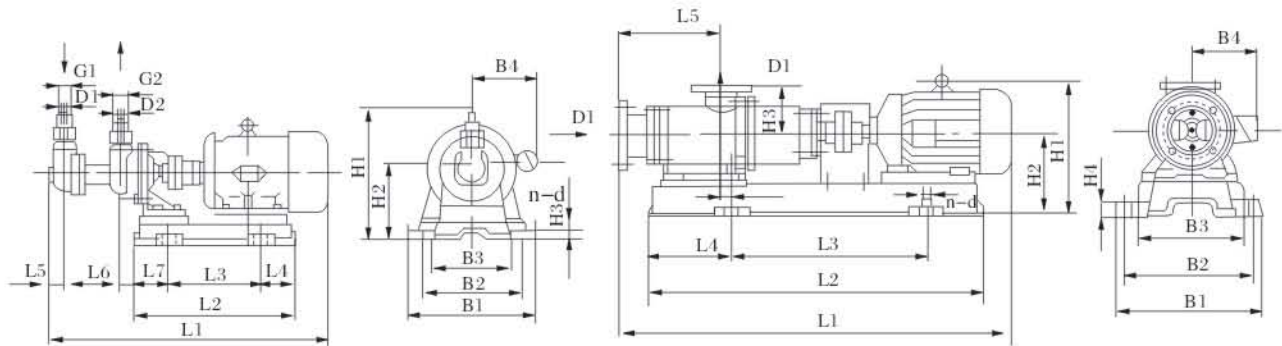
泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	B1	B2	B3	B4	B5	H1	H2	H3	n-d
3GCLS 100×2	225S	700	650	285	105	365	650	285	175	215	370	1909	496	50	8-Φ34
	225M	700	650	285	105	365	650	285	175	215	370	1964	496	50	8-Φ34
	250M	700	650	285	105	435	650	285	175	215	370	1981	496	50	8-Φ34
3GCLS 110×2	225S	700	650	285	105	365	650	285	175	215	413	1934	496	50	8-Φ34
	225M	700	650	285	105	365	650	285	175	215	413	1989	496	50	8-Φ34
	250M	700	650	285	105	435	650	285	175	215	413	2006	496	50	8-Φ34
	280S	700	650	285	105	435	650	285	175	215	413	2157	496	50	8-Φ34
3GCLS 1600×3	250M	900	800	350	105	435	800	350	200	265	569	2068	511	50	8-Φ41
	280S	900	800	350	105	465	800	350	200	265	569	2219	511	50	8-Φ41
	280M	900	800	350	105	465	800	350	200	265	569	2270	511	50	8-Φ41
	315S	900	800	350	105	567	800	350	200	265	569	2270	511	50	8-Φ41

泵型号 Pump Size	D1	E1	F1	G1	L1	n1-d1	D2	E2	F2	G2	L2	n2-d2
3GCLS100×2	250	300	350	390	28	12-Φ23	200	265	295	335	30	12-Φ23
3GCLS100×2	250	300	350	390	30	12-Φ23	200	265	295	335	30	12-Φ23
3GCLS160D×3	300	368	400	440	35	12-Φ25	250	320	350	390	40	12-Φ23

注:机组安装尺寸为参考尺寸。



泵型号 Pump Size		流量 Capacity		压力 pressure P bar	转速 Speed n 转 / 分 r / min	功率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米 m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type & Size
		米 ³ / 时 m ³ / h	升 / 分 l / min			轴功率 Input Power	电动机功率 Motor Power					
3GN	36×4	1.0	16.5	16	730	2.5	3	4	50	40	21	Y132M-8B ₃
				25		6.5	7.5					Y160L-8B ₃
	50×4	1.0~3.0	16.5~50	10	195~585	2	2.4	4	100	65	90	FPB2R(卧) 1/3×1/2.13
					730	2.5	3					Y132M-8B ₃
	70×4	2.7~7.5	45~125	16	170~470	5.5	6	4	150	80	120	FPB4R(卧) 1/3×1/2.23
					730	9	11					Y180L-8B ₃
	110×4	12.7~32	211.4~533	10	232~585	17.5	22	4	300	150	325	FPB6R(卧) 1/2.8×1/1.62
												Y280M-8B ₃
												Y315S-8B ₃
				16		36	45					
				25		50	55					

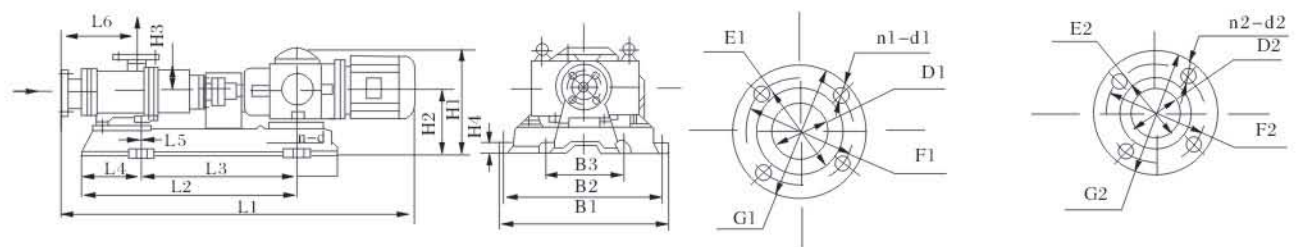


3GN36×4外形图

3GN配电机外形图

泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	H1	H2	H3	n-d	D1×G1	D2×G2
3GN36×4	Y132M	1015	610	400	135	44	168	144	380	340	285	230	375	190	20	4-Φ19	Φ50×Φ59	Φ40-Φ52
	Y160L	1150	760	560	125	44	168	144	430	390	285	260	445	220	20	4-Φ19	Φ50×Φ59	Φ40-Φ52

注：机组安装尺寸为参考尺寸。



3GN配减速机外形图

泵型号 Pump Size	机座号 Motor Frame Size	L1	L2	L3	L4	L5	L6	B1	B2	B3	B4	H1	H2	H3	H4	n-d
50×4	FPB2R(卧)	1500	1063	600	246	20	332	710	660	320		410	260	155	35	4-Φ25
	1/3x1/2.13 Y132M	1196	1019	600	246	18	330	445	395	320	210	443	260	155	35	4-Φ25
70×4	FPB4R(卧)	1970	1330	910	220	110	447	960	900	380		577	310	175	30	4-Φ25
	1/3x1/2.23 Y180L	1546	1290	850	220	110	447	510	450	380	285	550	300	185	30	4-Φ25
110×4	FPB6R(卧)	2827	1930	1200	365	120	675	1350	1270	540		775	425	250	50	4-Φ25
	1/2, 8x/1.62 Y280M	2286	1876	1200	350	95	676	770	690	540	330	925	405	250	50	4-Φ25
	Y315S	2413	1876	1200	350	95	676	770	690	540	315	980	440	250	50	4-Φ25

注：机组安装尺寸为参考尺寸。

泵型号 Pump Size	D1	E1	F1	G1	L1	n1-d1	D2	E2	F2	G2	L2	n2-d2
50×4	Φ100	Φ145	Φ170	Φ205	18	4-Φ18	Φ65	Φ120	Φ145	Φ180	20	4-Φ18
70×4	Φ150	Φ210	Φ240	Φ280	28	8-Φ23	Φ80	Φ135	Φ160	Φ195	22	8-Φ18
110×4	Φ300	Φ375	Φ410	Φ460	34	12-Φ25	Φ150	Φ218	Φ250	Φ300	32	8-Φ23

泵型号 Pump Size	流量 Capacity		压 力 pressure P bar	转 速 Speed n 转 / 分 r / min	功 率 Power P (千瓦KW)		允许吸上 真空高度 Allowable Suction Lift Hs (米m)	进 口 Suction mm	出 口 Discharge mm	泵重量 Weight of Pump W (公斤kg)	电动机 型号 Motor Type& Size
	米 ³ /时 m ³ /h	升/分 l/min			轴功率 Input Power	电动机功率 Motor Power					
3G25×4C	0.78	13	25	1750	1.4	1.5	5		M18x1.5		Y90L-4
3G25×6C	0.72	12	40	1750	1.92	2.2	4		M18x1.5		Y100L-4
3G36×3C	2.52	42	25	1450	3	4	4		Φ25		Y112M-4
3G60×3C	12.6	210	25	1450	13.8	18.5	4		Φ40		Y180M-4
3G70×3C	22	366	25	1450	20.5	30	4		Φ50 Φ40		Y200L-4

注:派生C系列三螺杆泵是专为水电站调速器、液压装置设计的配套用泵。

The 3G...C type of three screw pump is special designed for the speed-adjuster and hydraulic equipments of hydroelectric.

