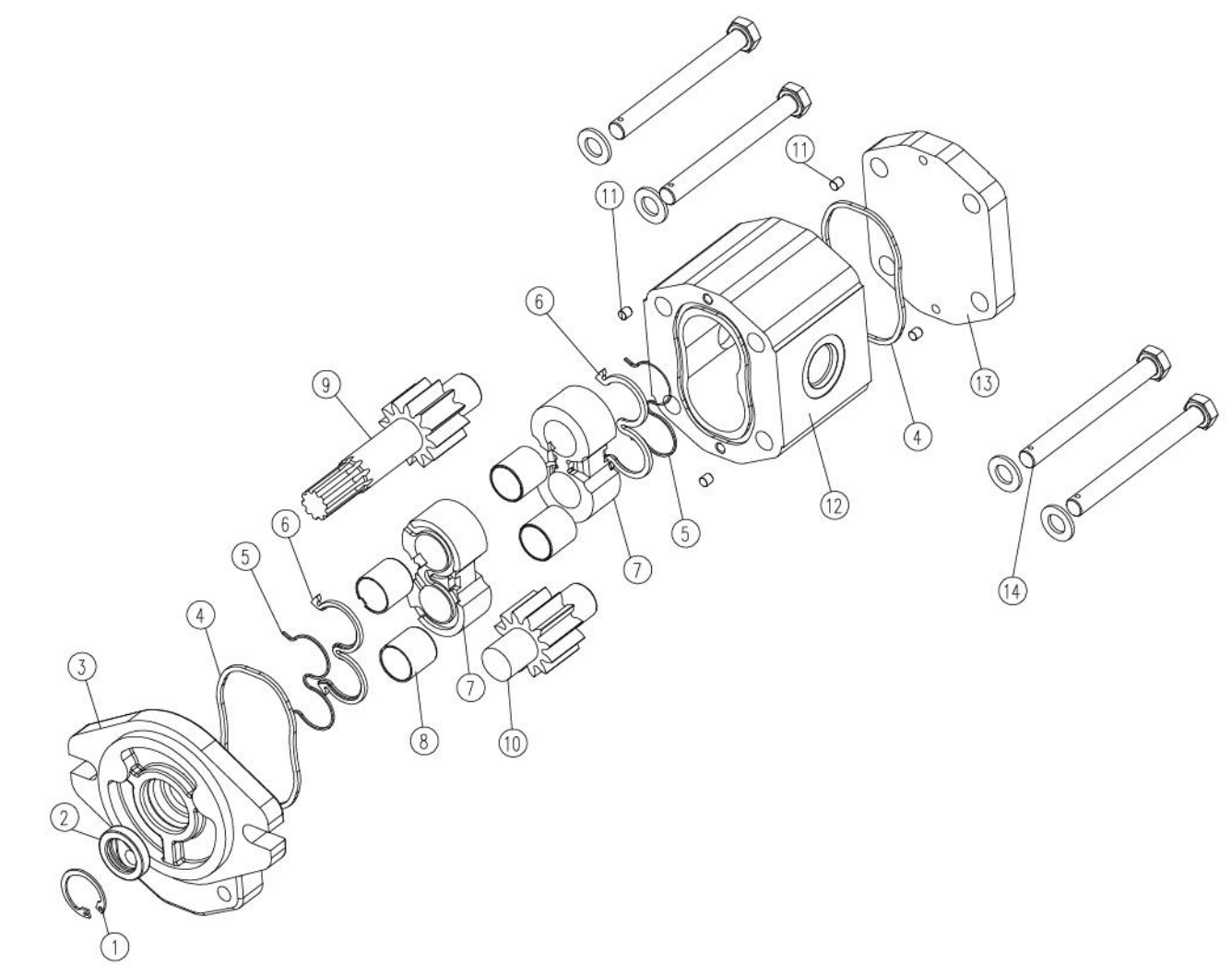


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泵的组件

- 1. 挡圈
- 2. 油封
- 3. 前盖
- 4. 面密封
- 5. 密封挡圈
- 6. 补偿密封
- 7. 轴套
- 8. DU衬套
- 9. 传动齿轮
- 10. 从动齿轮
- 11. 定位销
- 12. 泵体
- 13. 后盖
- 14. 螺栓

PUMP'S PARTS

- 1. STOP RING
- 2. SHAFT SEAL
- 3. FRONT COVER
- 4. FACE SEAL
- 5. ANTI-EXTRUSION SEAL
- 6. COMPENSATION SEAL
- 7. BUSHING
- 8. DU BEARING
- 9. DRIVE GEAR
- 10. DRIVEN GEAR
- 11. CENTRING PIN
- 12. BODY
- 13. END COVER
- 14. FASTENING SCREWS

产品范围 PRODUCT RANGE

技术资料 TECHNICAL INFORMATION

为了使泵获得最佳的性能和更长的使用寿命，请严格遵循样本给出的安装和使用说明。

Please strictly follow assembly and use indications given in this catalogue for top performance and longer life.

安装说明

在系统启动进行连续工作之前，我们建议采取如下简单的预防措施：

- 检查泵的转向是否与传动轴的转向一致，切勿逆向旋转。
- 检查泵的主轴与电动机的主轴是否对中，必须保证连接不产生轴向和径向负载。
- 检查主轴与油封之间是否清洁，颗粒物会导致油封快速磨损和泄漏加剧。
- 确保吸油口和回油口管端总是位于油面以下，并且相互之间尽量远离。
- 安装时应给泵注油，用手转动泵。
- 当启动泵时，卸开泵的泄油口，将管路中的空气排出。
- 为了保证泵的使用寿命，应避免或限制带负载工况下启动。

INSTALLATION NOTES

Before starting the system on a continuous basis, we suggest to adopt as follows simple precautions.

- Check for the direction of rotation of the pump to be consistent with the drive shaft one, being sure not reversion revolving.
- Check for the proper alignment of pump shaft and motor shaft, it is necessary that the connection does not induce axial or radial loads.
- Check if contact area between seal ring and shaft is clean, particulate matter will lead to rapid wear and leakage of oil seal.
- Ensure that intake and return pipes ends are always below fluid level and as far from each other as possible.
- Fill the pump with fluid, and turn it by hand.
- Disconnect pump drain during startup to bleed air off the circuit.
- Always avoid or limit load starting for pump longer life.

液压油

请使用具有以下良好性能的液压油：

抗氧化、抗气泡（快速使气泡破裂）、耐磨损、耐腐蚀以及有润滑特性。油液同时应该遵循DIN 51525和VDMA24317标准，及通过FZG的11级测试。

对于标准型，油液温度应该在-10℃至80℃之间，其运动粘度范围如下：

HYDRAULIC FLUIDS

Use specific mineral oil based hydraulic fluids having good antioxidant, anti-foaming(rapid de-aeration), anti-wear, anti-corrosion and lubricating properties, Fluids should also comply with DIN 51525 and VDMA 24317 standards and get through 11th stage of FZG test.

For the standard models, the temperature of the fluid should not be between -10 °C and +80 °C. Fluid kinematic viscosity ranges are the following:

许用范围	allowed range	6...500 cSt
推荐范围	recommended range	10...100 cSt
启动时允许值	value allowed at startup	...2000 cSt

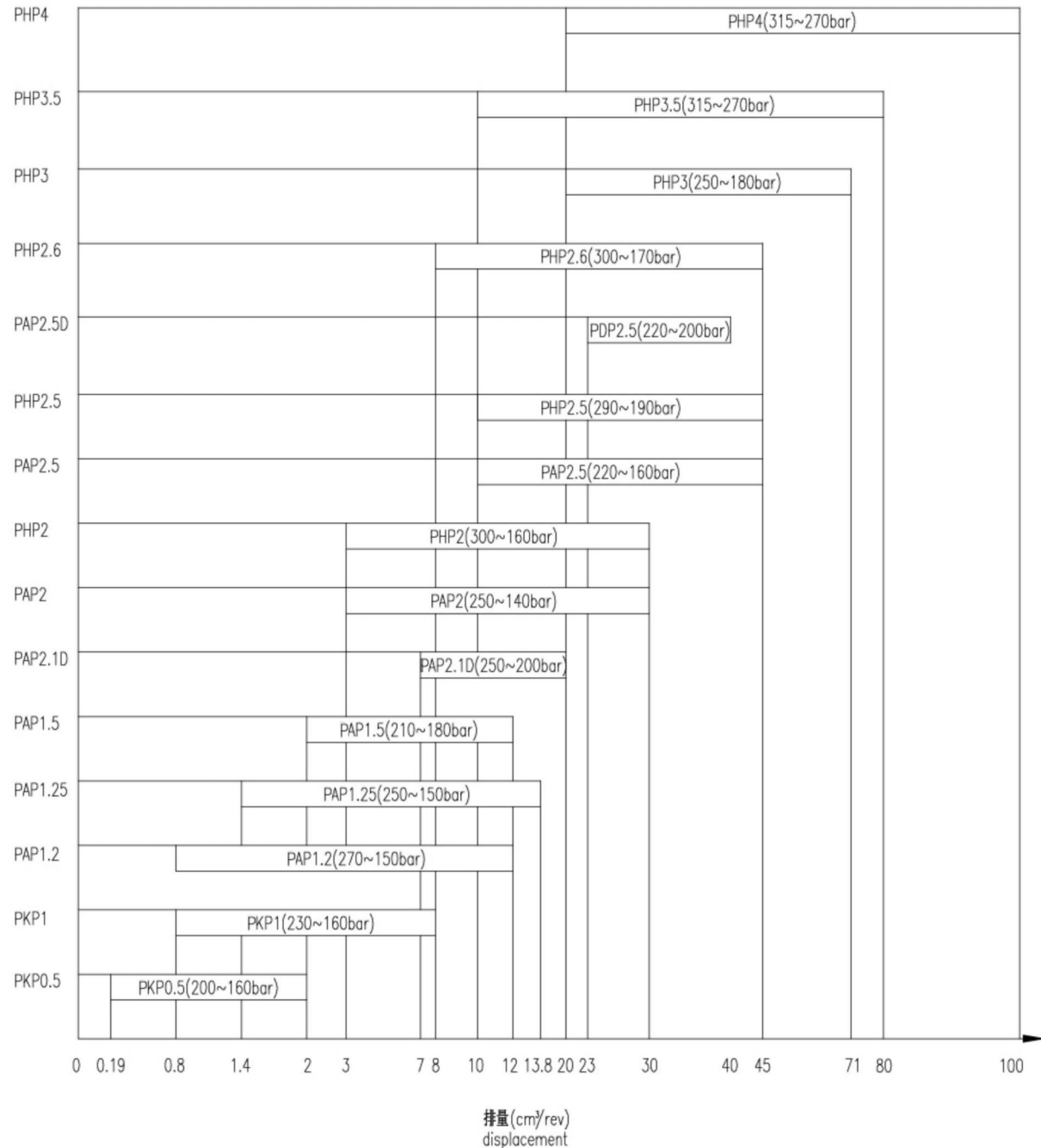
进油口压力

在标准工况下，吸油管路的压力低于大气压，工作时进油口压力应在0.7至3.0bar之间（指绝对压力）。

INLET PRESSURE

Under standard working conditions, intake pipe pressure is lower than atmospheric pressure. The operating inlet pressure should range between 0.7 and 3 bars (absolute).

型号 model



备注：图表中所示压力最高连续工作压力，产品系列号“PH”表示前盖、后盖材质为铸铁，其余系列号表示前盖、后盖材质为铝合金。

Remark: The pressures shown in the graph is continue working pressure. “PH” denote cast-iron front and end cover, the others denote aluminum front and end cover.

技术资料

TECHNICAL INFORMATION

过滤建议

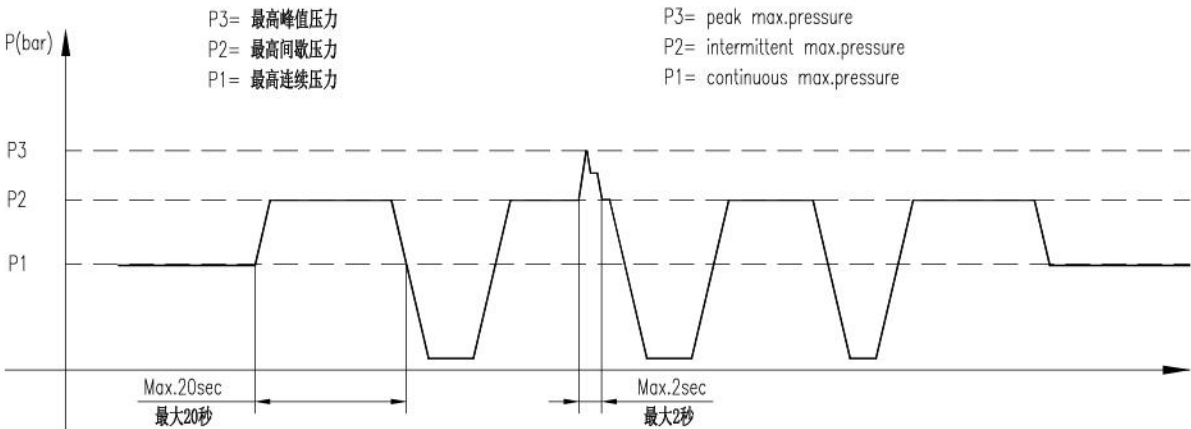
大量事实说明，多数齿轮泵的过早失效都是由于油液的污染引起的。

由于我们的质量保证并不包括由于系统中颗粒所造成的磨损，所以我们建议对油液进行过滤，以便将油液中的污染粒子的尺寸及浓度降低到允许的最低值。

过滤系统应该一直保证污染度等级不要超过下表所示的值：

工作压力	Pressure	<140 bar	140...210 bar	>210 bar
NAS 1638 污染等级	NAS 1638 Class	10	9	8
ISO 4406 污染等级	ISO 4406 Class	19/16	18/15	17/14
过滤比 $\beta_x=75$	Ratio $\beta_x=75$	25–40 μ m	12–15 μ m	6–12 μ m

压力定义



进油管和出油管

液压系统的管路不应突然变向、急弯及断面突然变化。管路不要过长或不成比例，管路断面处应有足够的尺寸，以便油液流速不要超过推荐值。

建议认真考虑进出油管法兰接头处通径的缩减量。

流速参考值如下表

进油管	Intake line	0.5...1.6 m/s
出油管	Delivery line	2...6 m/s
回油管	Return line	1.6...3 m/s

FILTER RECOMMENDATION

It is widely known that most pumps early failures are due to contaminated fluids. As a warranty cannot be issued for dirt-related wear, we recommend a filter be used, which can reduce the degree of contamination to a permissible dimension in terms of the size and concentration of dirt particles.

The filtering system shall always ensure contamination levels not exceeding the values indicated below:

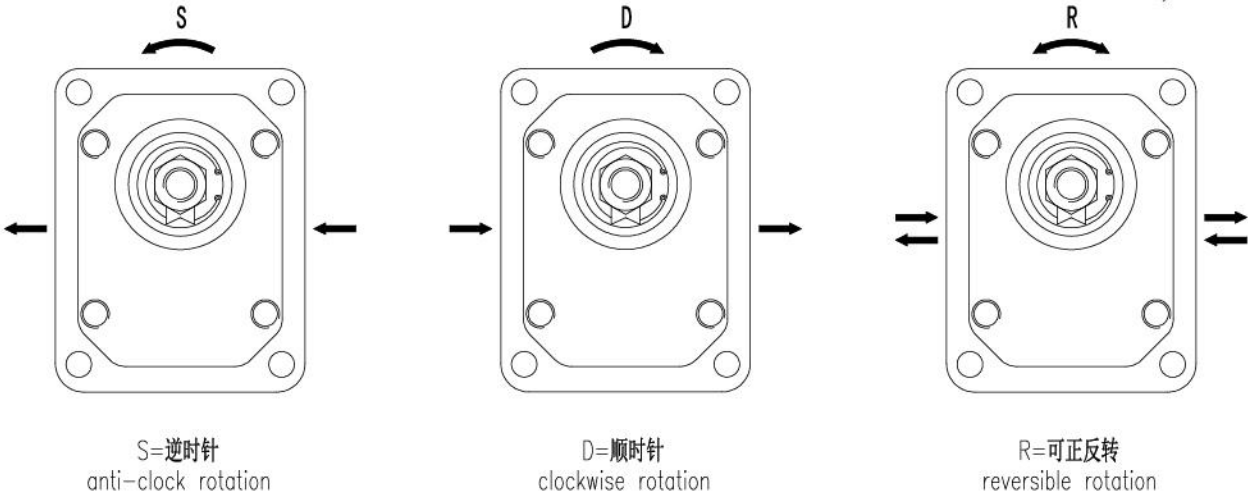
PRESSURE DEFINITION

技术资料

TECHNICAL INFORMATION

旋转方向

旋转方向定义：站在泵的前面，其传动轴面对自己，泵顺时针旋转时，为右旋，用“D”表示，反之，即泵逆时针旋转时，为左旋，用“S”表示，泵正反都可旋转时，为双向，用“R”表示。



ROTATION DIRECTION

Rotation direction of definition: when standing before the pump with driving shaft up with its projecting end towards the observer, the pump is rotating clockwise in case of right-hand rotation "D".The contrary will happen with left-hand pumps "S", keeping the same point of view,when the pump can rotate in both directions, it is bidirectional and is indicated by "R".

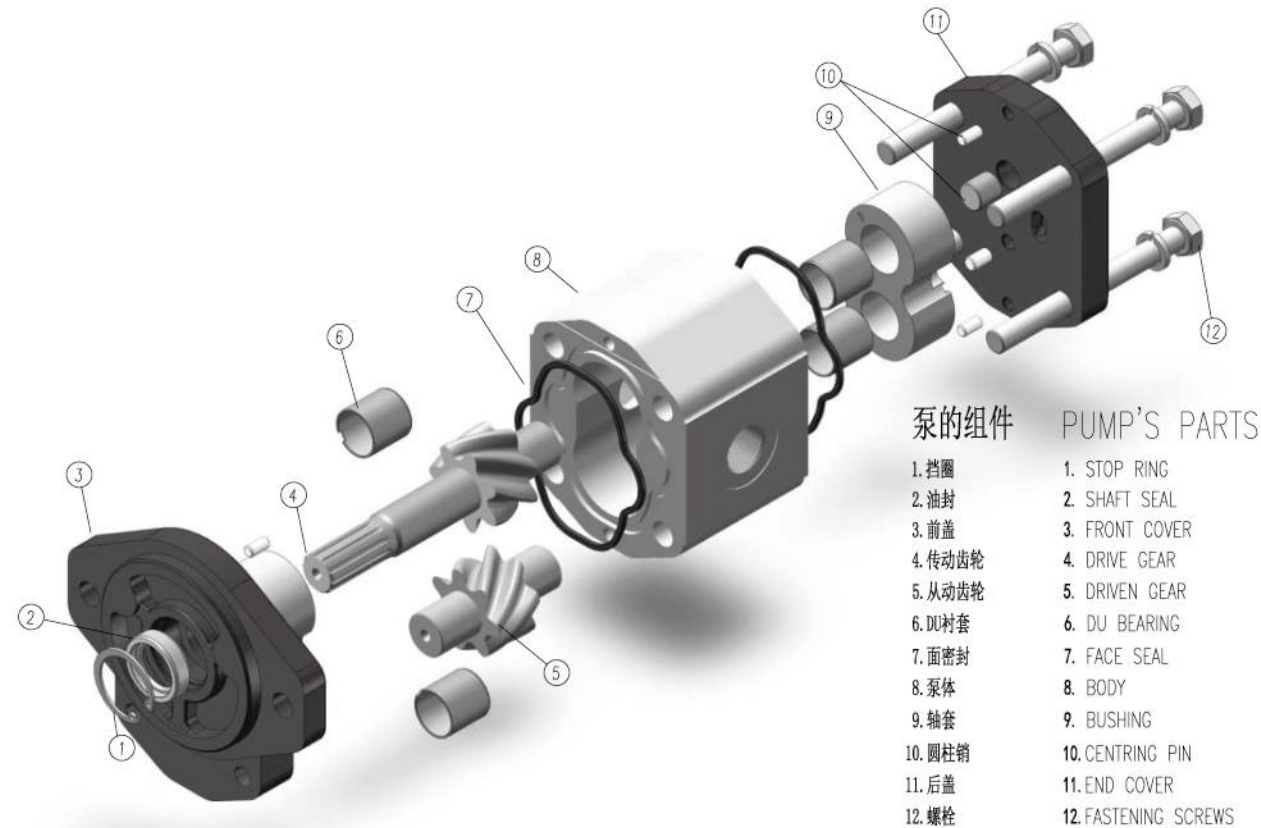
泵的设计计算

DESIGN CALCULATIONS FOR PUMP

流量	Flow	Q	L/min
扭矩	Torque	M	Nm
功率	Power	P	kW
转速	Speed	n	r/min
压力	Pressure	ΔP	bar
排量	Displacement	V	cm ³ /rev

容积效率	Volumetric efficiency	$\eta_v = \eta_v(V, \Delta P, n)$	≈0.93
机械效率	Mechanical efficiency	$\eta_{hm} = \eta_{hm}(V, \Delta P, n)$	≈0.85
总效率	Total efficiency	$\eta_t = \eta_v \cdot \eta_{hm}$	≈0.80

$Q = V \cdot n \cdot \eta_v \cdot 10^{-3}$	[L/min]
$M = (\Delta P \cdot V) / (62.83 \cdot \eta_{hm})$	[Nm]
$P = (\Delta P \cdot Q) / (612 \cdot \eta_t)$	[kW]



产品简介

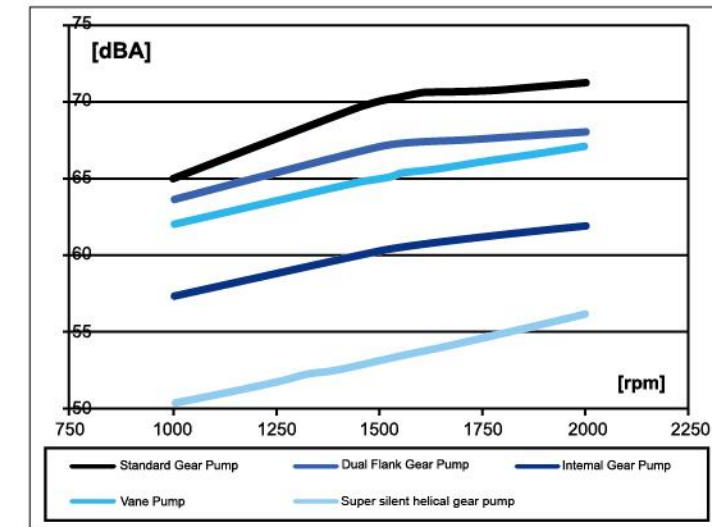
超静音螺旋齿轮泵是一款排量从3到70ml/r超低噪音的液压齿轮泵；与我们直齿的标准齿轮泵完美互换。最大工作压力与标准齿轮泵系列相似，最高可达300bar。螺旋齿轮确保即使在齿数较少的情况下也能保持运动的连续性。齿数较少降低了泵噪声的基本频率，产生更悦耳的声音。特殊的轮廓形状无困油现象，显著减少了泵产生的压力波动和振动传递到其他部件，降低了液压系统的噪音。螺旋齿引起的轴向力在所有工作条件下都通过泵盖中集成的轴向补偿系统得到最佳平衡。轴套和盖中的特定补偿区域，通过密封挡圈并加固以防密封圈挤出，允许轴套完全自由地轴向和径向浮动。通过这种方式，内部泄漏大幅减少，确保了非常好的体积和机械泵性能，以及泵运动部件的适当润滑

PRODUCT INTRODUCTION

Super silent helical gear pump is a hydraulic gear pump that includes displacements from 3 to 70 ml/r; perfectly interchangeable with our standard gear pumps. The maximum operating pressures are similar to those of standard gear pump and extend up to 300 bar. The helical gears ensure the continuity of the motion despite the low number of teeth. The low number of teeth reduces the fundamental frequencies of the pump noise, producing a more pleasant sound. The particular shape of the profile without encapsulation significantly reduces pressure-oscillations and vibrations produced by the pump and transmitted to the other components, reducing the noise of the hydraulic system. Axial forces induced by the helical teeth are optimally balanced in all operating conditions by the axial compensation system integrated in the pump cover. Specific compensation areas in the flange and cover, insulated by special gaskets reinforced with ant-extrusion, allow for fully free axial and radial movement of the bushings. In this way, internal leakage is dramatically reduced, ensuring very good volumetric and mechanical pump performances, as well as proper lubrication of pump's moving parts.

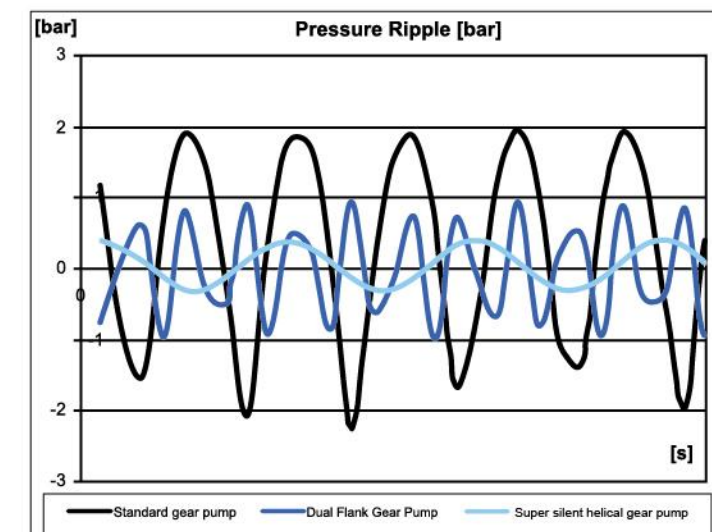
*标准外啮合齿轮泵、双侧面齿轮泵、内啮合齿轮泵、叶片泵、超静音螺旋齿轮泵、压力200巴之间的噪音比较。

*Noise comparison between: standard external gear pump, dual flank gear pump, internal gear pump, vane pump, Super silent helical gear pump, pressure 200 bar.



*标准外啮合齿轮泵、双侧面齿轮泵和超静音螺旋齿轮泵。在200巴的压力和1500转/分钟的转速下，它们的压力脉动差异比较。

*When comparing standard gear pump, dual flank gear pump, and Super silent helical gear pump under the conditions of 200 bar pressure and 1500 rpm rotational speed, the differences in pressure pulsation can be outlined as follows:



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超静音螺旋齿轮泵的特点

- 低噪音水平：**超静音螺旋齿轮泵产生的噪音非常低，这使得它特别适用于那些通常使用螺杆泵、叶片泵或内齿轮泵的应用场合。
- 简单结构：**超静音螺旋齿轮泵的结构简单，这有助于降低制造成本和维护难度。
- 小尺寸：**超静音螺旋齿轮泵体积小，便于安装和运输。
- 高性能：**尽管尺寸小、结构简单，但超静音螺旋齿轮泵仍能提供出色的性能。

5. 噪音比较

在相同压力（200 bar）下，超静音螺旋齿轮泵与其他几种泵的噪音水平进行了比较。这些泵包括：

标准外齿轮泵

双侧齿轮泵

内齿轮泵

叶片泵

超静音螺旋齿轮泵在这些泵中噪音水平最低。

6. 脉动和振动

由于超静音螺旋齿轮泵的低脉动特性，它能够减少机器中诱导的振动。此外，超静音螺旋齿轮泵产生的较低频率声音更加悦耳。

7. 压力脉动比较

在相同压力（200 bar）和转速（1500 rpm）下，超静音螺旋齿轮泵与标准外齿轮泵和双侧齿轮泵的压力脉动进行了比较。

超静音螺旋齿轮泵在这方面的表现也优于其他两种泵。

Features of the Super silent helical gear pump:

- Low Noise Level:** The Super silent helical gear pump generates very low noise, making it particularly suitable for applications where screw pumps, vane pumps, or internal gear pumps are commonly used.
- Simple Structure:** The structure of the Super silent helical gear pump is simple, which helps to reduce manufacturing costs and maintenance difficulty.
- Compact Size:** The Super silent helical gear pump has a small volume, which is convenient for installation and transportation.
- High Performance:** Despite its small size and simple structure, the Super silent helical gear pump still provides excellent performance.
- Noise Comparison**

At the same pressure (200 bar), the noise level of the Super silent helical gear pump was compared with other types of pumps, including:

- Standard gear pump
- Dual Flank gear pump
- Internal gear pump
- Vane pump

The Super silent helical gear pump has the lowest noise level among these pumps.

6.Pulsation and Vibration

Due to the low pulsation characteristic of the Super silent helical gear pump, it can reduce the induced vibration in the machine. In addition, the lower frequency sound produced by the Super silent helical gear pump is more pleasant to the ear.

7.Pressure Pulsation Comparison

At the same pressure (200 bar) and speed (1500 rpm), the pressure pulsation of the Super silent helical gear pump was compared with the standard external gear pump and the Dual Flank gear pump. The Super silent helical gear pump performs better in this respect than the other two types of pumps.

0.5系列/Group 0.5

0.5系列选型规则/Group 0.5 Ordering Code Rules

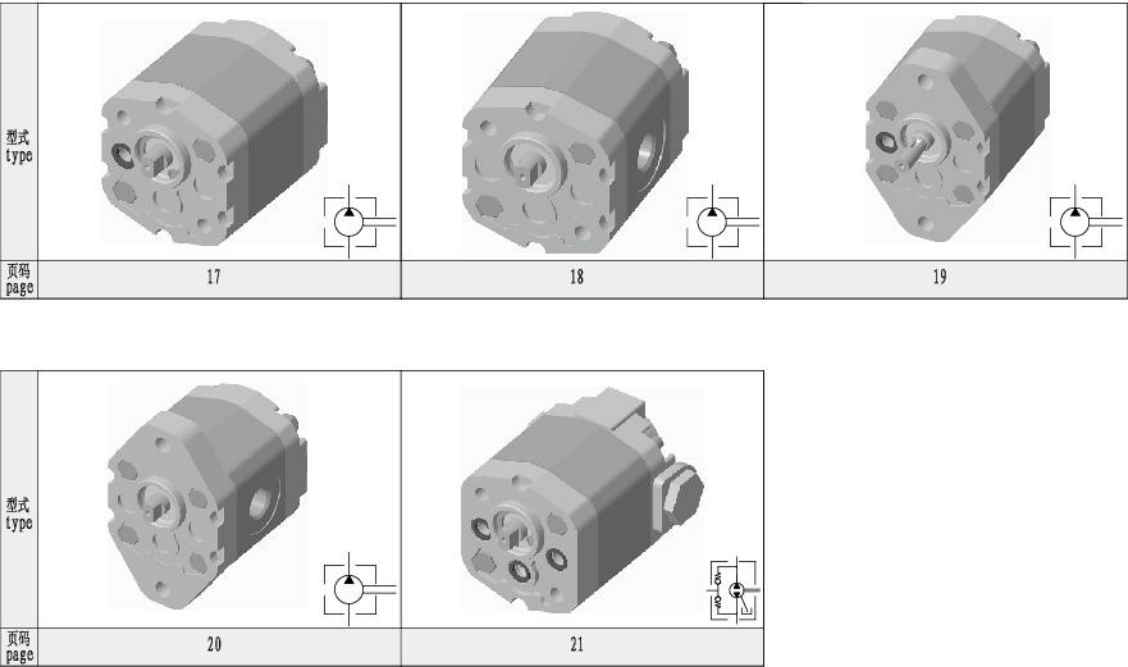
P	K	P	0.5	B0	D	0.19	G0	X	LJ1	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	0.5 0.5系列 Group 0.5		D 顺时针 Clockwise S 逆时针 Counter clockwise R 可正反转 Reversible	0.19 0.26 0.38 0.50 0.65 0.75 0.88 1.00 1.25 1.50 1.75 2.00					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃ inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力1-10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover		轴伸 Shaft		泵体油口 Ports		特殊结构 Special structure					
B0	带油口方形前盖(止口Φ22mm) Square front cover with oil port (centering Φ22mm)	C0	带螺纹、半圆键轴 Threaded, semi-circular key shaft	Z	公制螺纹(M) Metric thread				省略-默认普通 omit-regular		
B1	不带油口方形前盖(止口Φ22mm) Square front cover without oil port (centering Φ22mm)	G0	扁平轴 Tang shaft	L	英制管螺纹(G) Gas thread				J	后盖带进油口 Back cover with inlet	
B2	带三油口方形前盖(止口Φ22mm) Square front cover with 3-oil port (centering Φ22mm)			U	美制管螺纹(UNF-2B) UNF thread				C	后盖带出油口 Back cover with outlet	
A0	带油口菱形前盖(止口Φ22mm) Diamond front cover with oil port (centering Φ22mm)			R	英制锥螺纹(PT) PT thread				L	后盖带进/出油口 Back cover with inlet and outlet	
A1	不带油口菱形前盖(止口Φ22mm) Diamond front cover without oil port (centering Φ22mm)			N	美制锥螺纹(NPT) NPT thread				VQ2	双向泵后盖 Bidirectional pump back cover	
				X	泵体无油口 Body without ports						
详见 14 页 See page 14 for details		详见 14 页 See page 14 for details		详见 15 页 See page 15 for details		详见 16 页 See page 16 for details					

如需其它型号请见详情页或联系本公司工程师

If you need other models, please see the details page or contact our engineers.

0.5系列/Group 0.5

0.5系列标准型产品概览/Group 0.5 Standard Product Overview

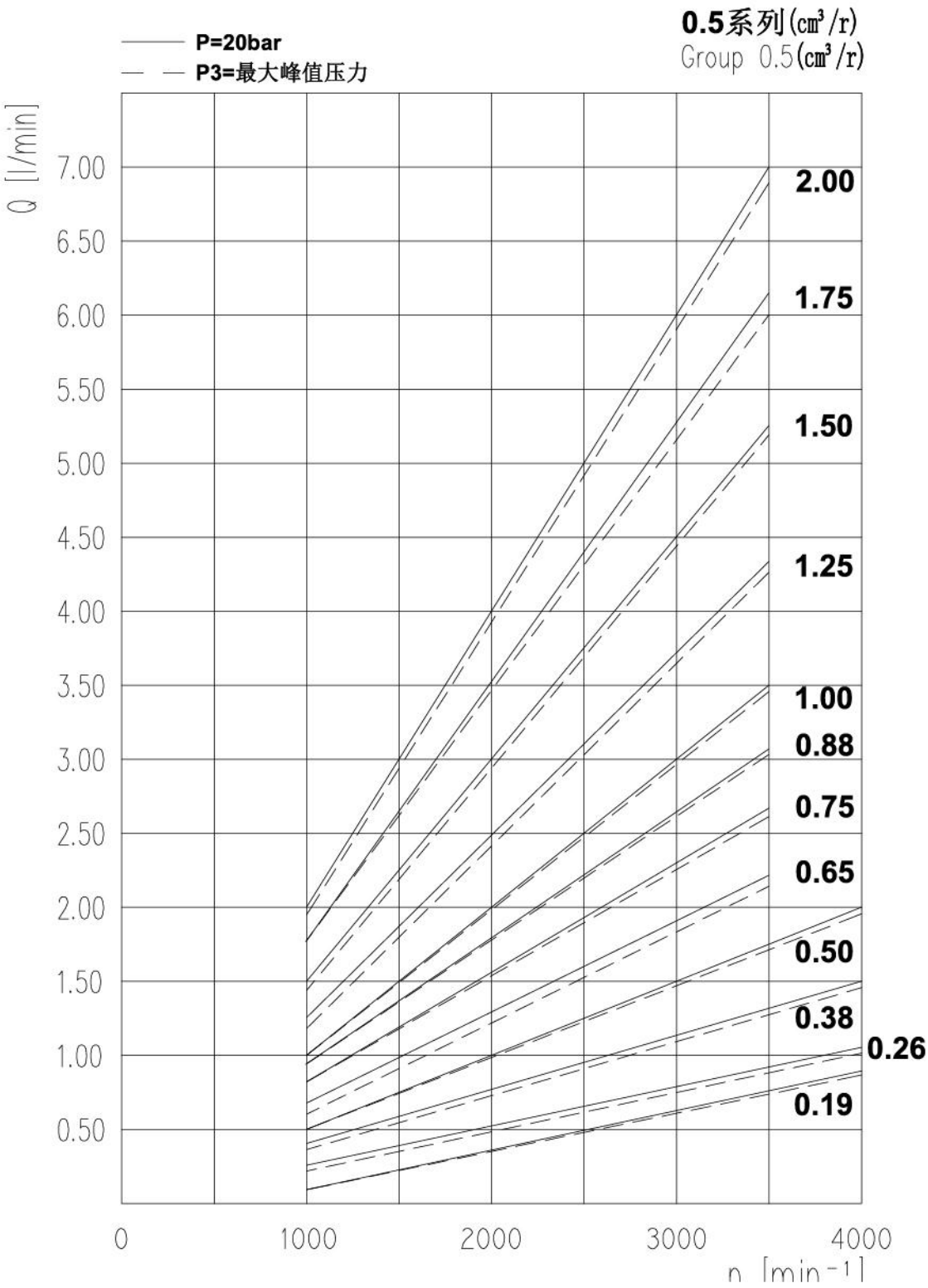


0.5系列排量参数表/Group 0.5 Displacement parameter table

排量 Displacement	V	cm ³ /rev	0.19	0.26	0.38	0.50	0.65	0.75	0.88	1.00	1.25	1.50	1.75	2.00	
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3												
最高连续压力 Max. continuous pressure	P1		200											180	160
最高间隙压力 Max. intermittent pressure	P2		230											210	190
最高峰值压力 Max. peak pressure	P3		250											230	210
最低转速 Min. speed	n _{Min}	r/min	1000							850	700	600		500	
最高转速 Max. speed	n _{Max}		7000							6000	5000	4000		3000	
容积效率 Volumetric efficiency	η _V	%	≥90				≥91				≥92				

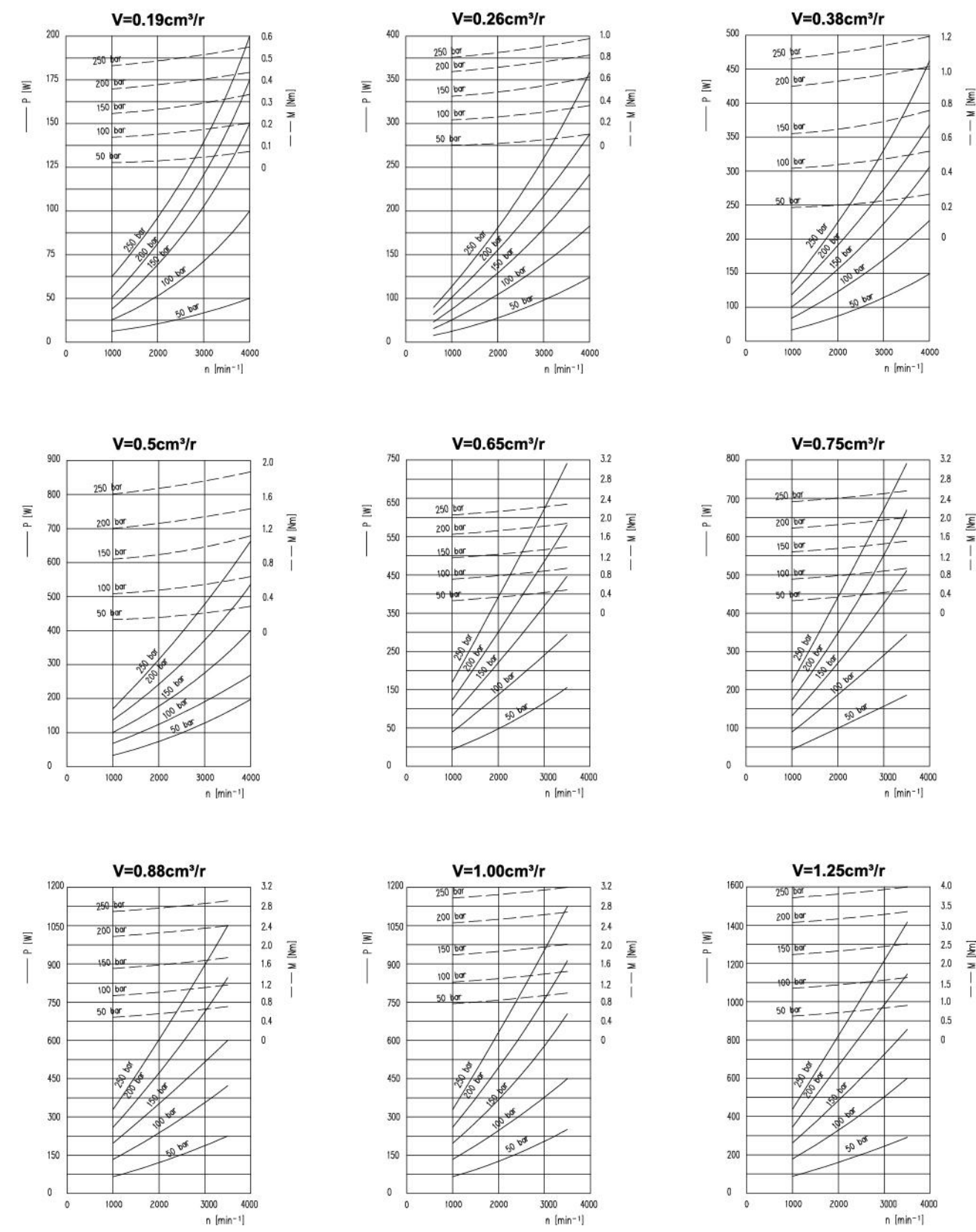
0.5系列/Group 0.5

0.5系列流量性能曲线表/Group 0.5 Flow Performance Curve Table



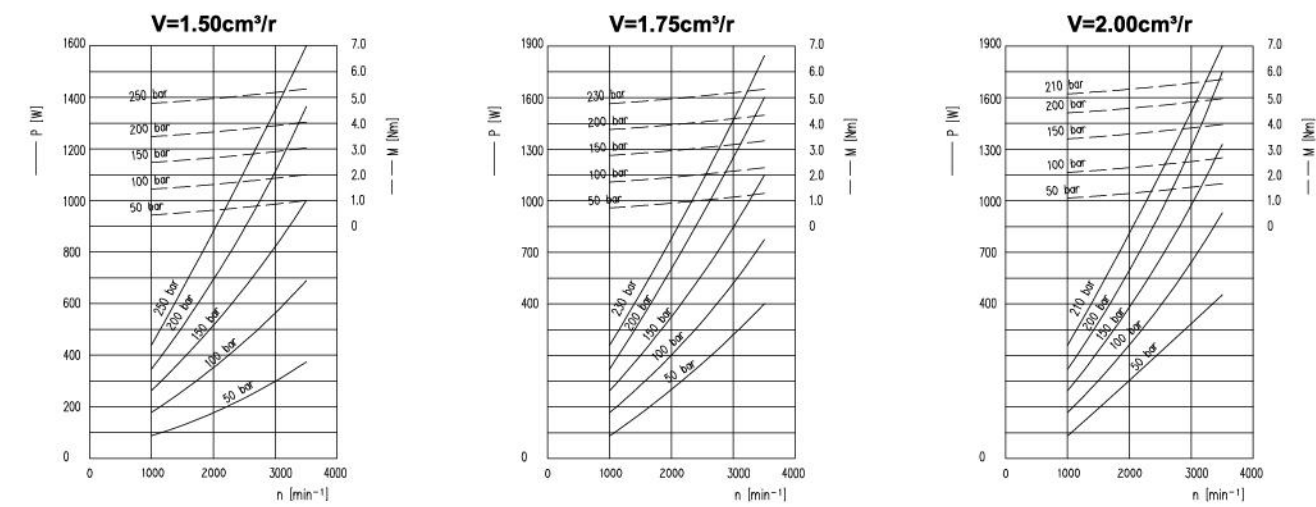
0.5系列/Group 0.5

0.5系列功率性能曲线表/Group 0.5 Power Performance Curve Table



0.5系列/Group 0.5

0.5系列功率性能曲线表/Group 0.5 Power Performance Curve Table



0.5系列/Group 0.5

0.5系列噪音曲线表/Group 0.5 Noise Curve Table

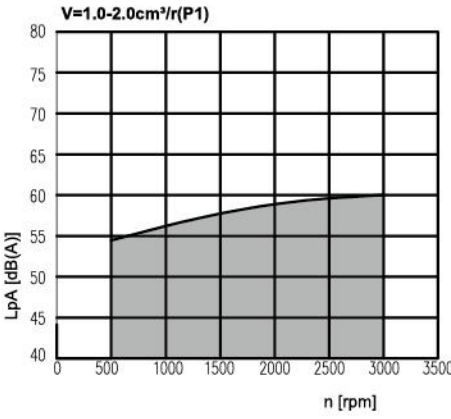
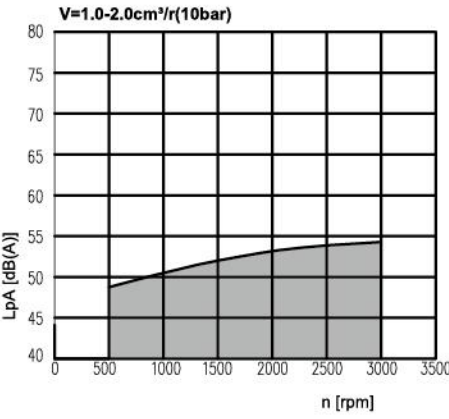
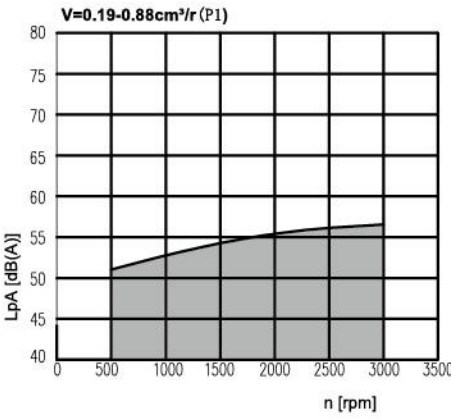
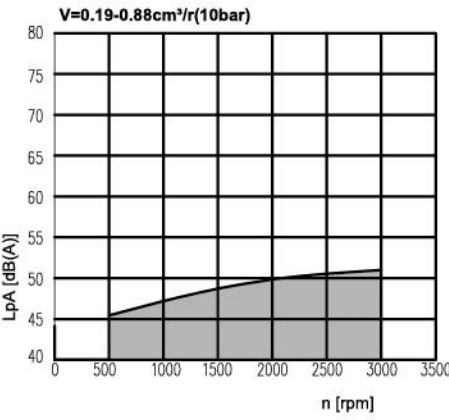
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $\nu = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $\nu = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

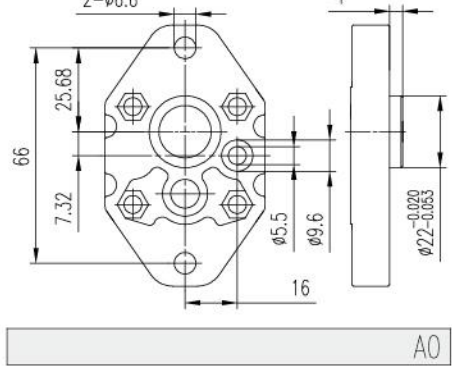
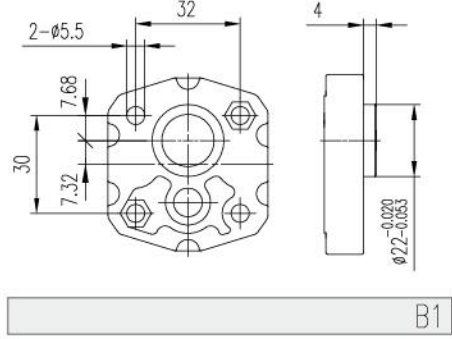
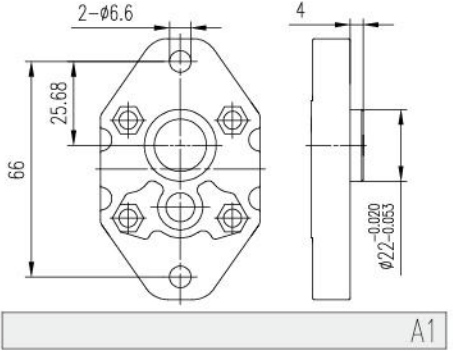
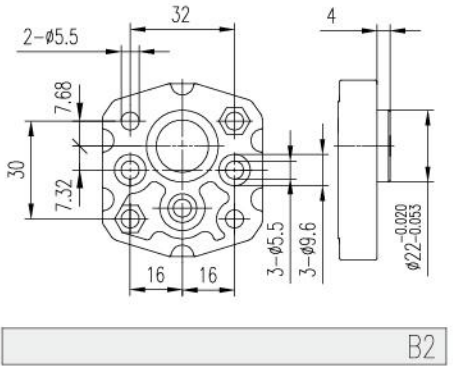
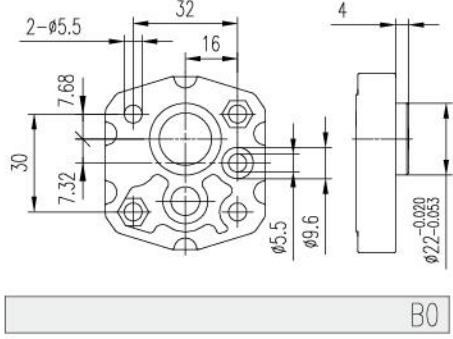
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

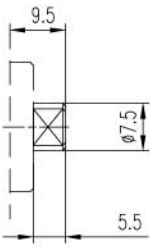


0.5系列/Group 0.5

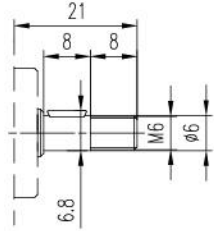
前盖/FRONT COVER



轴伸/SHAFTS



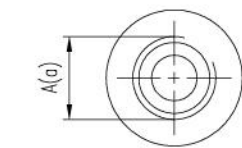
G0
最大扭矩
Max.Torque 10 Nm



C0
最大扭矩
Max.Torque 8 Nm

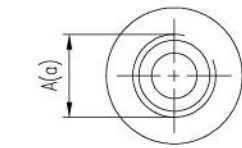
0.5系列/Group 0.5

泵体油口/PORTS



L2/L3

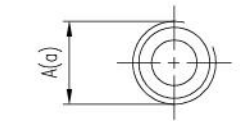
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L2	0.19...1.0	G1/4	G1/4
L3	1.25...2.0	G3/8	G3/8



O型圈密封
O-ring

U0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	0.19...2.0	9/16-18UNF	9/16-18UNF

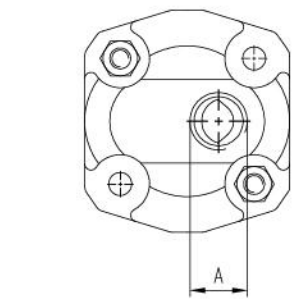


Z0/Z2

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	0.19...1.0	M10X1	M10X1
Z2	1.25...2.0	M14X1.5	M12X1

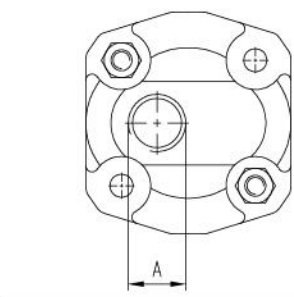
0.5系列/Group 0.5

特殊结构/SPECIAL STRUCTRE



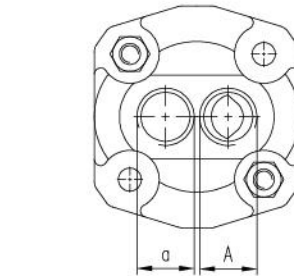
J

代号 CODE	进油口 INLET
J0	A
MJ0	G1/4
UJ1	9/16-18UNF



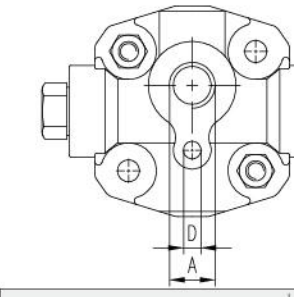
C

代号 CODE	出油口 OUTLET
LC0	A
MC0	G1/4
UC1	9/16-18UNF



L2/U0/Z0

代号 CODE	进油口 INLET	出油口 OUTLET
L2	A	a
U0	G1/4	G1/4
Z0	9/16-18UNF	9/16-18UNF
Z0	M10X1	M10X1



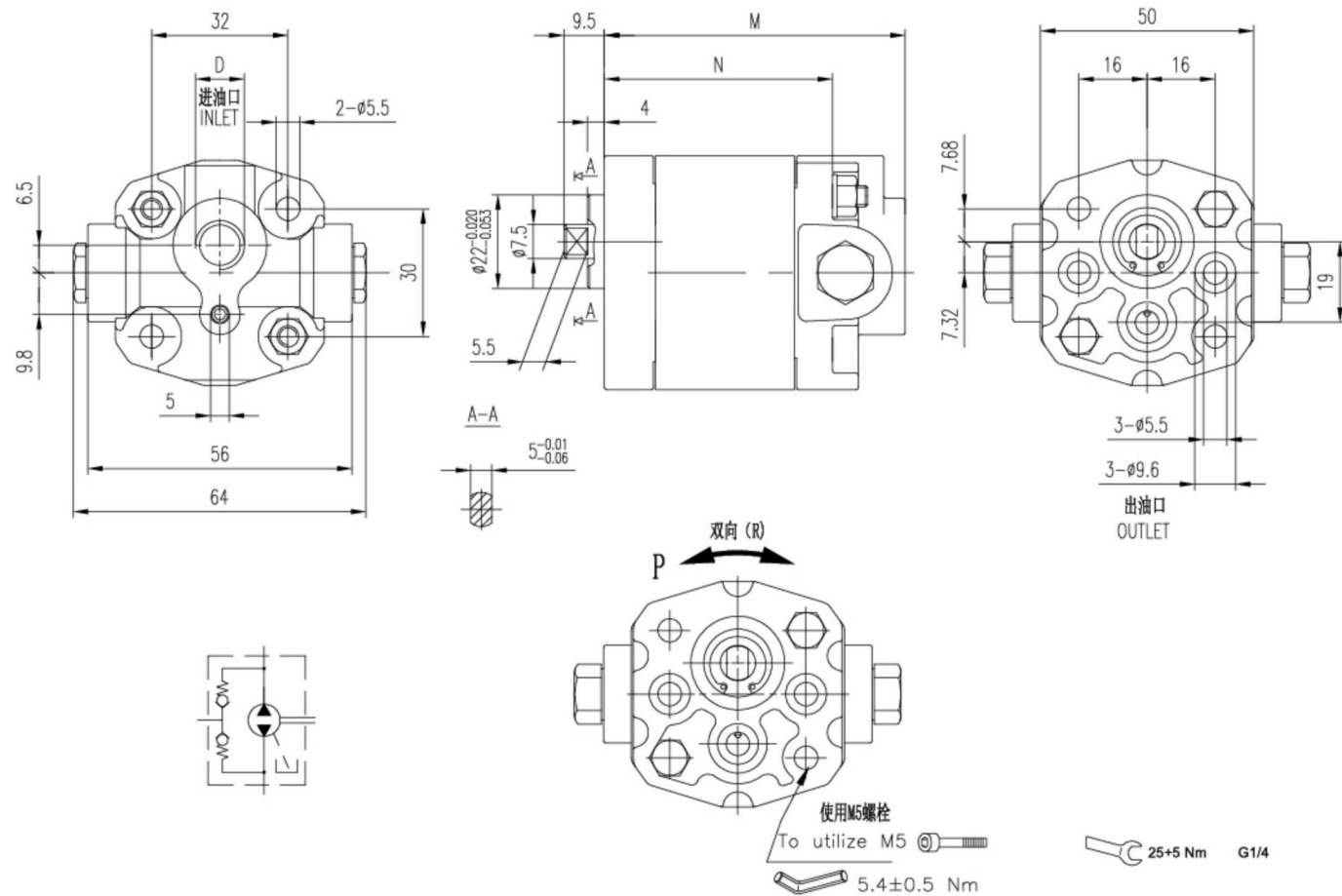
LJ0-VQ2

代号 CODE	进油口 INLET	溢油口 Oil drain
LJ0-VQ2	A	D
	G1/4	ø5

0.5系列/Group 0.5

0.5系列标准型产品尺寸/Group 0.5 Standard Product Dimensions

PKP0.5-B2-R-0.19-G0-X-LJ0-VQ2



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D
0.19	150	170	190	7000	1000	0.40	68	51	LJ0	G1/4
0.26	150	170	190	7000	1000	0.41	68.5	51.5	LJ0	G1/4
0.38	150	170	190	7000	1000	0.42	69.5	52.5	LJ0	G1/4
0.50	150	170	190	7000	1000	0.43	70.5	53.5	LJ0	G1/4
0.65	150	170	190	7000	1000	0.44	71.5	54.5	LJ0	G1/4
0.75	150	170	190	7000	1000	0.45	72.5	55.5	LJ0	G1/4
0.88	150	170	190	7000	1000	0.46	73.5	56.5	LJ0	G1/4
1.00	150	170	190	6000	850	0.47	74.5	57.5	LJ0	G1/4
1.25	150	170	190	5000	700	0.49	76.5	59.5	LJ0	G1/4
1.50	150	170	190	4000	600	0.51	78.5	61.5	LJ0	G1/4
1.75	150	170	190	4000	600	0.52	80.5	63.5	LJ0	G1/4
2.00	150	170	190	3000	500	0.53	82.5	65.5	LJ0	G1/4

1系列/Group 1

1系列选型规则/Group 1 Ordering Code Rules

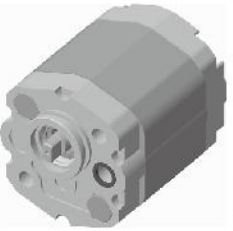
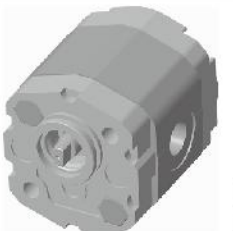
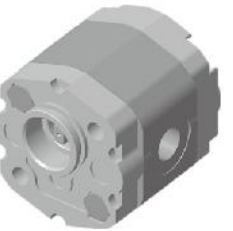
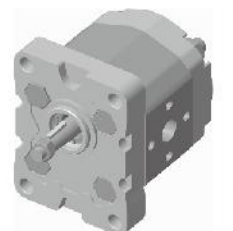
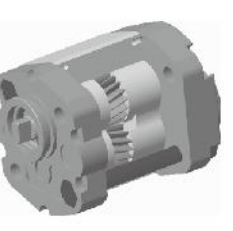
P	K	P	1	Q0	D	0.8	G0	X	LJ1	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
K	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1 1系列 Group 1 1E 1系列斜齿 Group 1 helical tooth		D 顺时针 Clockwise S 逆时针 Counter clockwise	0.8 1.1 1.3 1.6 1.8 2.1 2.7 3.2 3.7 4.2 4.8 5.8 7.0 8.0					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高黏介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低黏介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

前盖 Front cover	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure
Q0 带油口方形前盖 (止口 φ32mm) Square front cover with oil port (centering φ32mm)	T0 锥形键槽轴 1:8 Taper shaft 1:8	E 矩形法兰 Rectangular flange	省略-默认普通 omit-regular
Q1 不带油口方形前盖 (止口 φ32mm) Square front cover without oil port (centering φ32mm)	G0 扁平轴 Tang shaft	F 矩形法兰 Rectangular flange	J 后盖带进油口 Back cover with inlet
B0 不带油口方形前盖 (止口 φ25.4mm) Square front cover without oil port (centering φ25.4mm)	G1 扁平轴 Tang shaft	Z 公制螺纹 (M) Metric thread	C 后盖带出油口 Back cover with outlet
		L 英制管螺纹 (G) Gas thread	L 后盖带进油口 Back cover with inlet and outlet
		U 美制管螺纹 (UNF-2B) UNF thread	YF1 后盖带溢流阀 Back cover with relief valve
		R 英制锥螺纹 (PT) PT thread	
		N 美制锥螺纹 (NPT) NPT thread	
		X 泵体无油口 Body without ports	
详见 28 页 See page 28 for details	详见 28 页 See page 28 for details	详见 29-30 页 See page 29-30 for details	详见 31 页 See page 31 for details

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

1系列/Group 1

1系列标准型产品概览/Group 1 Standard Product Overview

型式 type			
页码 page	32	33	34
型式 type			
页码 page	35	36	37

1系列排量参数表/Group 1 Displacement parameter table

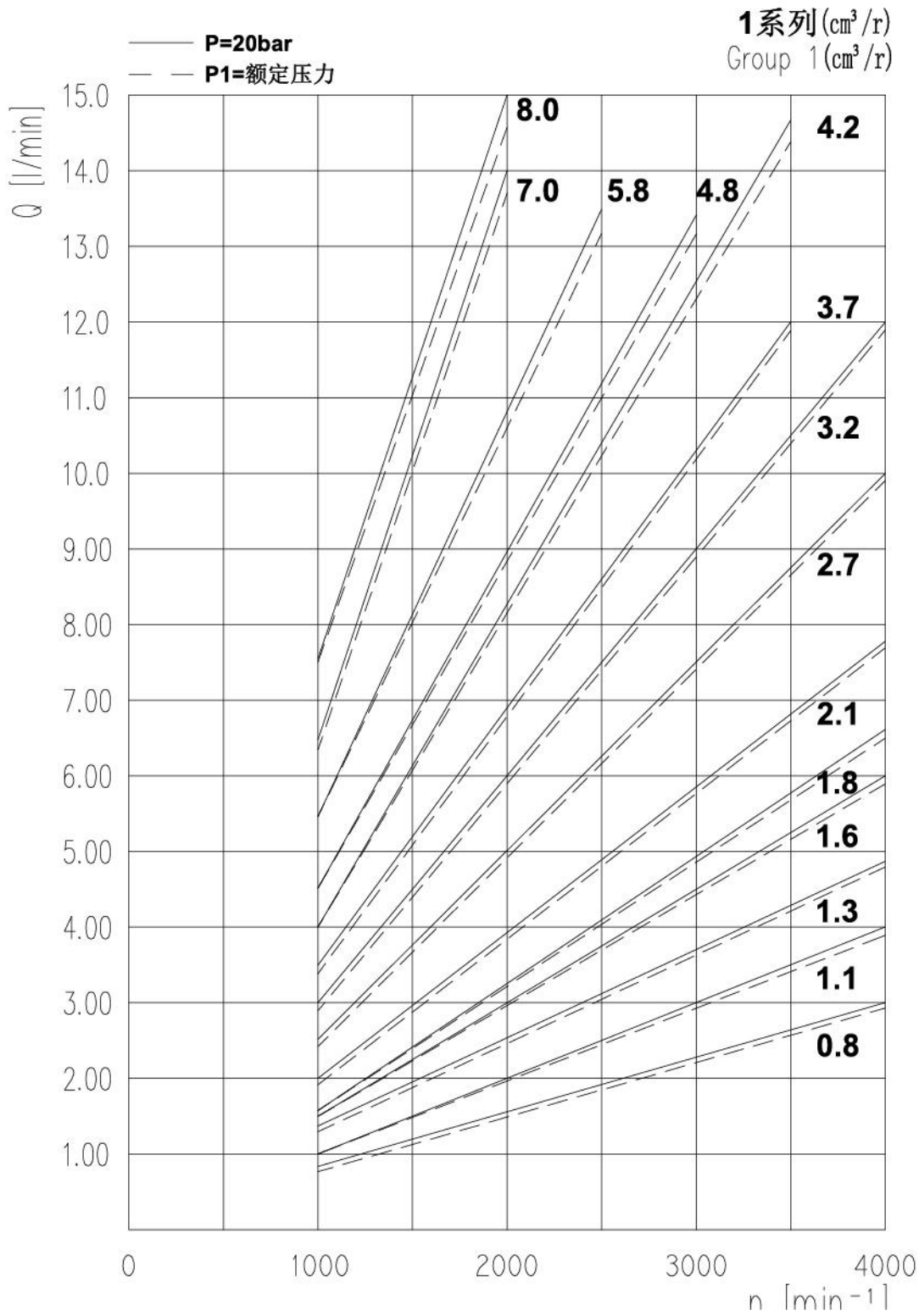
排量 Displacement	V	cm ³ /rev	0.8	1.1	1.3	1.6	1.8	2.1	2.7	3.2	3.7	4.2	4.8	5.8	7.0	8.0
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3													
最高连续压力 Max. continuous pressure	P1		230						210				190		160	
最高间隙压力 Max. intermittent pressure	P2		250						230				210		180	
最高峰值压力 Max. peak pressure	P3		270						250				230		200	
最低转速 Min. speed	n _{Min}	r/min	1000						800				600			
最高转速 Max. speed	n _{Max}		6000						5000		4500		3500	3000	2500	2100
容积效率 Volumetric efficiency	η _v	%	≥90		≥91			≥92				≥93				

1E系列排量参数表/Group 1E Displacement parameter table

排量 Displacement	V	cm ³ /rev	0.8	1.1	1.3	1.6	1.8	2.1	2.7	3.2	3.7	4.2	4.8	5.8
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3											
最高连续压力 Max. continuous pressure	P1		200										150	
最高间隙压力 Max. intermittent pressure	P2		230										180	
最高峰值压力 Max. peak pressure	P3		250										200	
最低转速 Min. speed	n _{Min}	r/min	1000						800				600	
最高转速 Max. speed	n _{Max}		4000										3500	3000
容积效率 Volumetric efficiency	η _v	%	≥90		≥91			≥92					≥93	

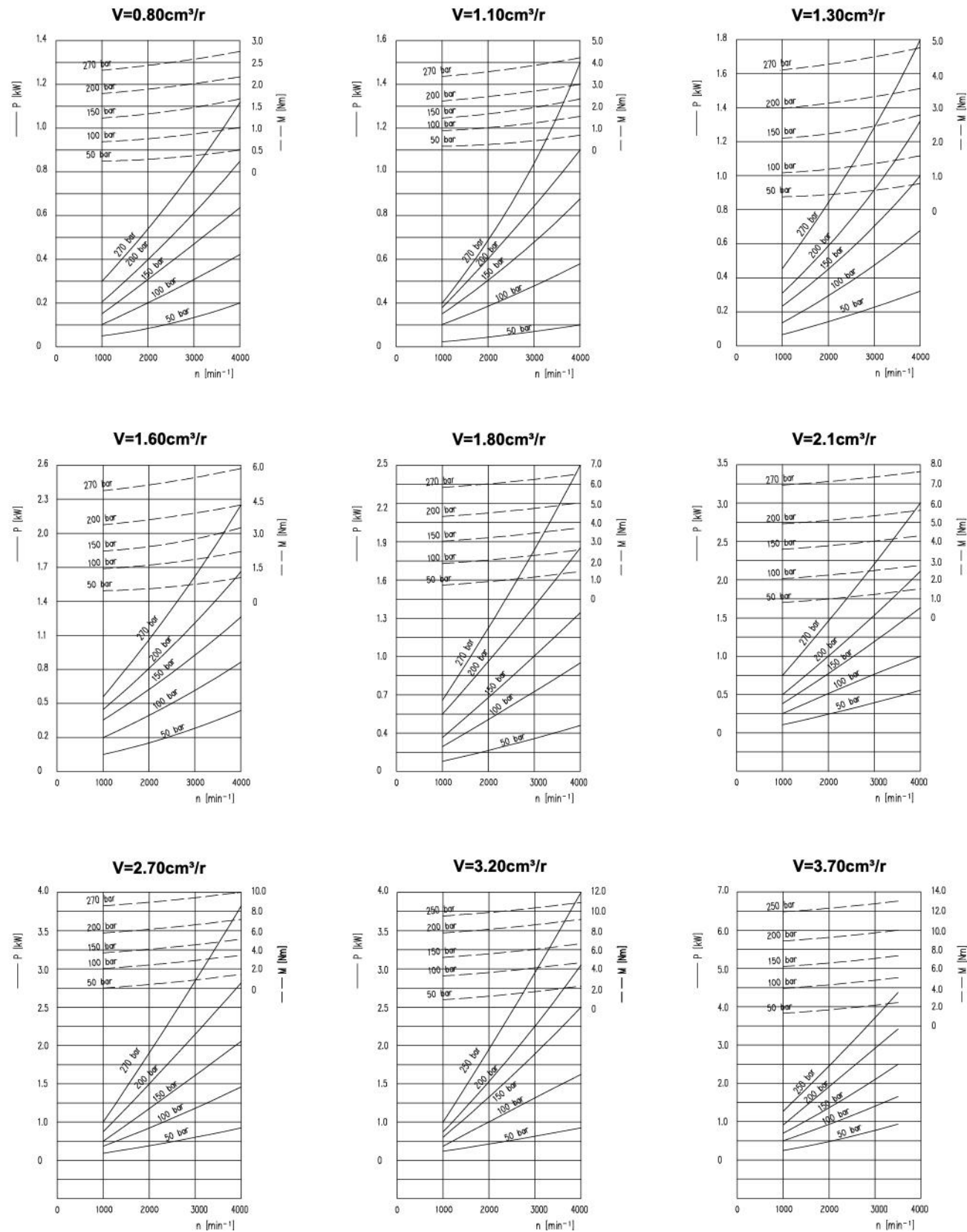
1系列/Group 1

1系列流量性能曲线表/Group 1 Flow Performance Curve Table



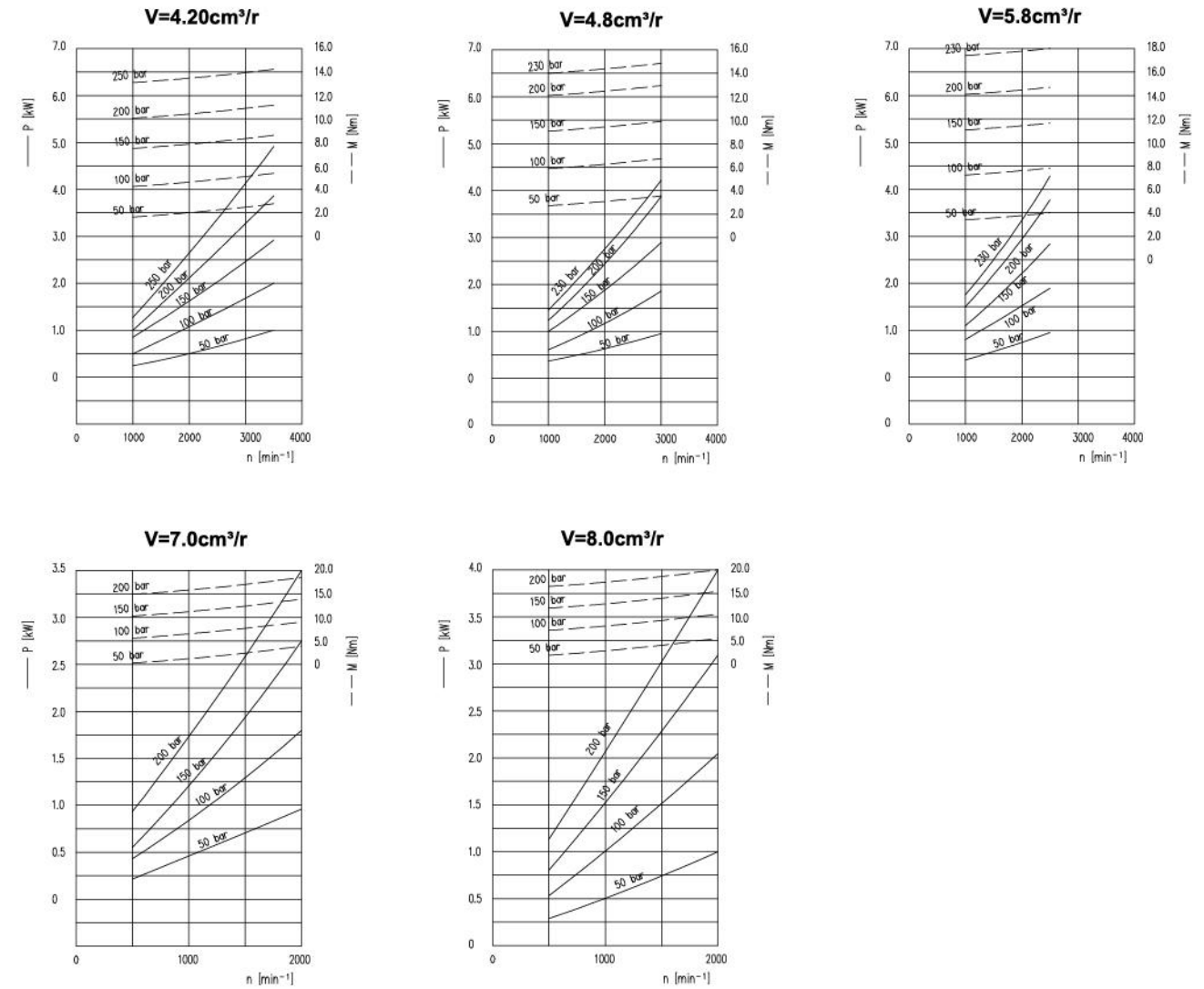
1系列/Group 1

1系列功率性能曲线表/Group 1 Power Performance Curve Table



1系列/Group 1

1系列功率性能曲线表/Group 1 Power Performance Curve Table



1系列/Group 1

1系列噪音曲线表/Group 1 Noise Curve Table

噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。

The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

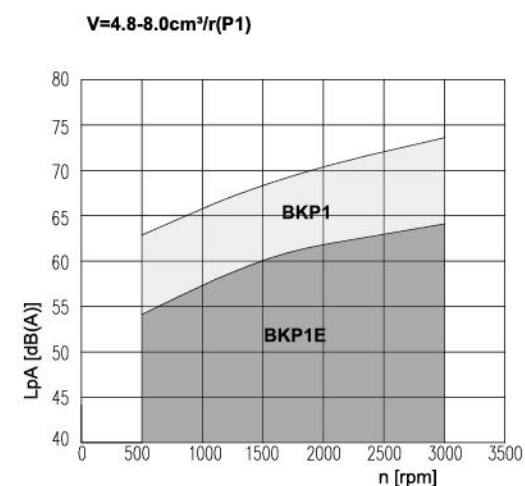
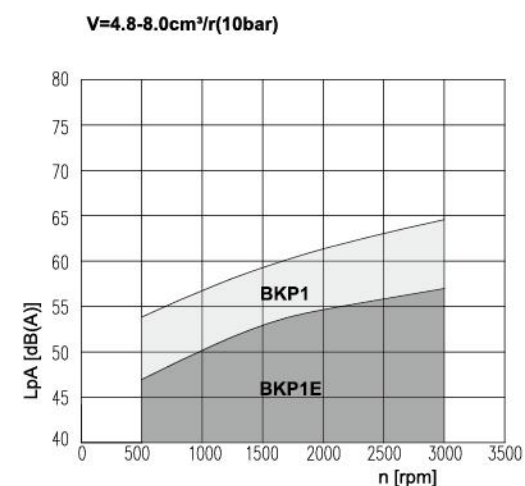
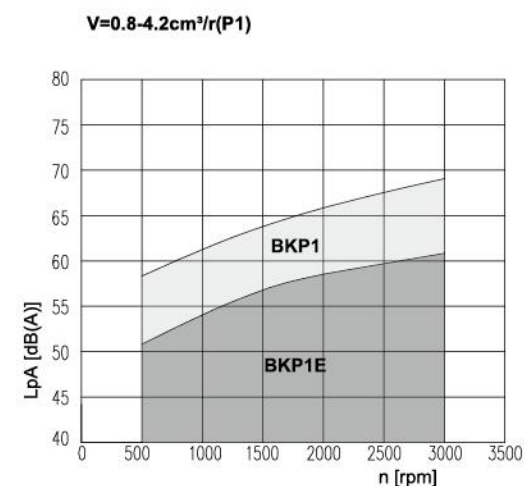
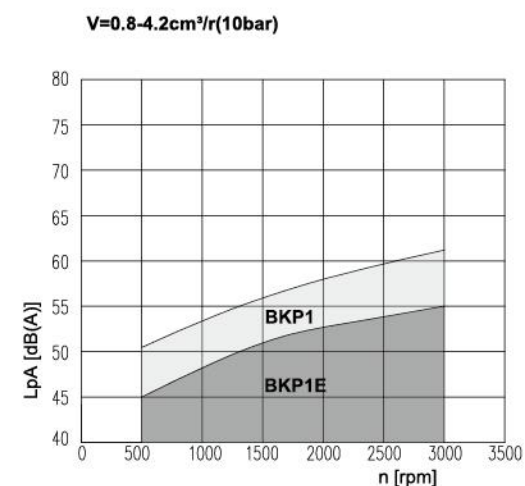
Oil data: $V=32\text{mm}^2/\text{s}, \theta=50^\circ\text{C}$.

对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。

The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

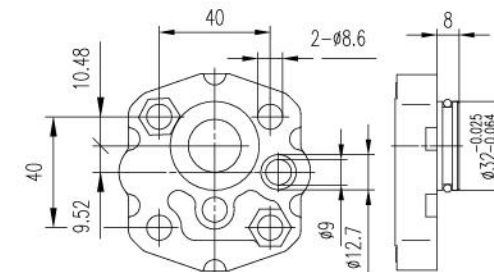
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.

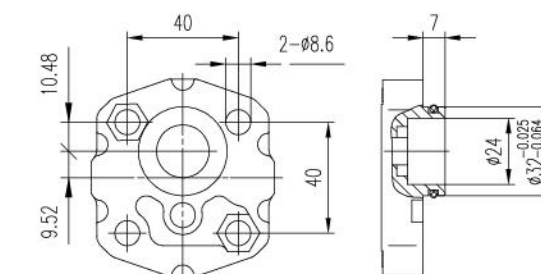


1系列/Group 1

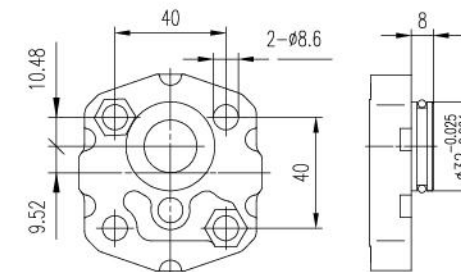
前盖/FRONT COVER



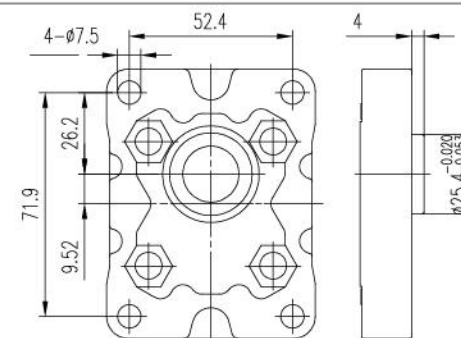
Q0



Q2

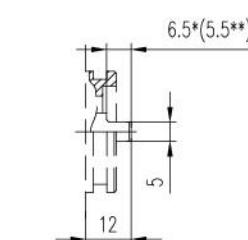


Q1



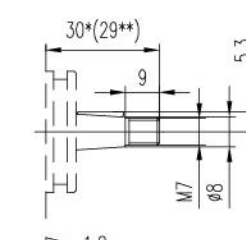
B0

轴伸/SHAFTS



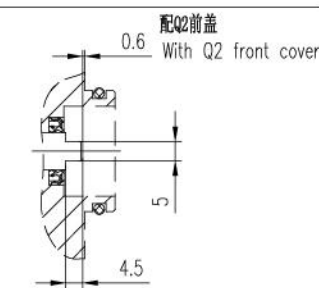
G0

最大扭矩
Max.Torque 20 Nm



T0

最大扭矩
Max.Torque 25 Nm



G1

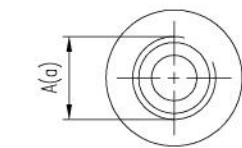
最大扭矩
Max.Torque 20 Nm

* 与前盖Q □ 配合尺寸
Dimension with front cover Q □

** 与前盖B □ 配合尺寸
Dimension with front cover B □

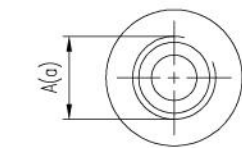
1系列/Group 1

泵体油口/PORTS



L2/L3

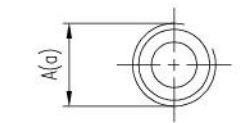
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L2	0.8...8.0	G3/8	G1/4
L3	0.8...8.0	G3/8	G3/8



O型圈密封
O-ring

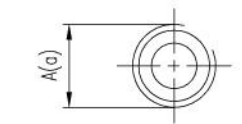
U0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	0.8...8.0	3/4-16UNF	9/16-18UNF



Z0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	0.8...8.0	M18X1.5	M14X1.5

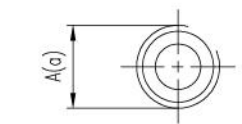


N1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
N1	0.8...8.0	3/8NPT	3/8NPT

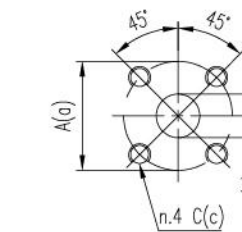
1系列/Group 1

泵体油口/PORTS



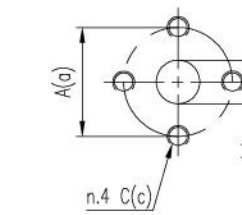
R0/R1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
R0	0.8...8.0	PT1/2	PT1/2
R1	0.8...8.0	PT3/8	PT3/8



F0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
F0	0.8...8.0	A	B	C	a	b	c
		30	12	M6	30	12	M6



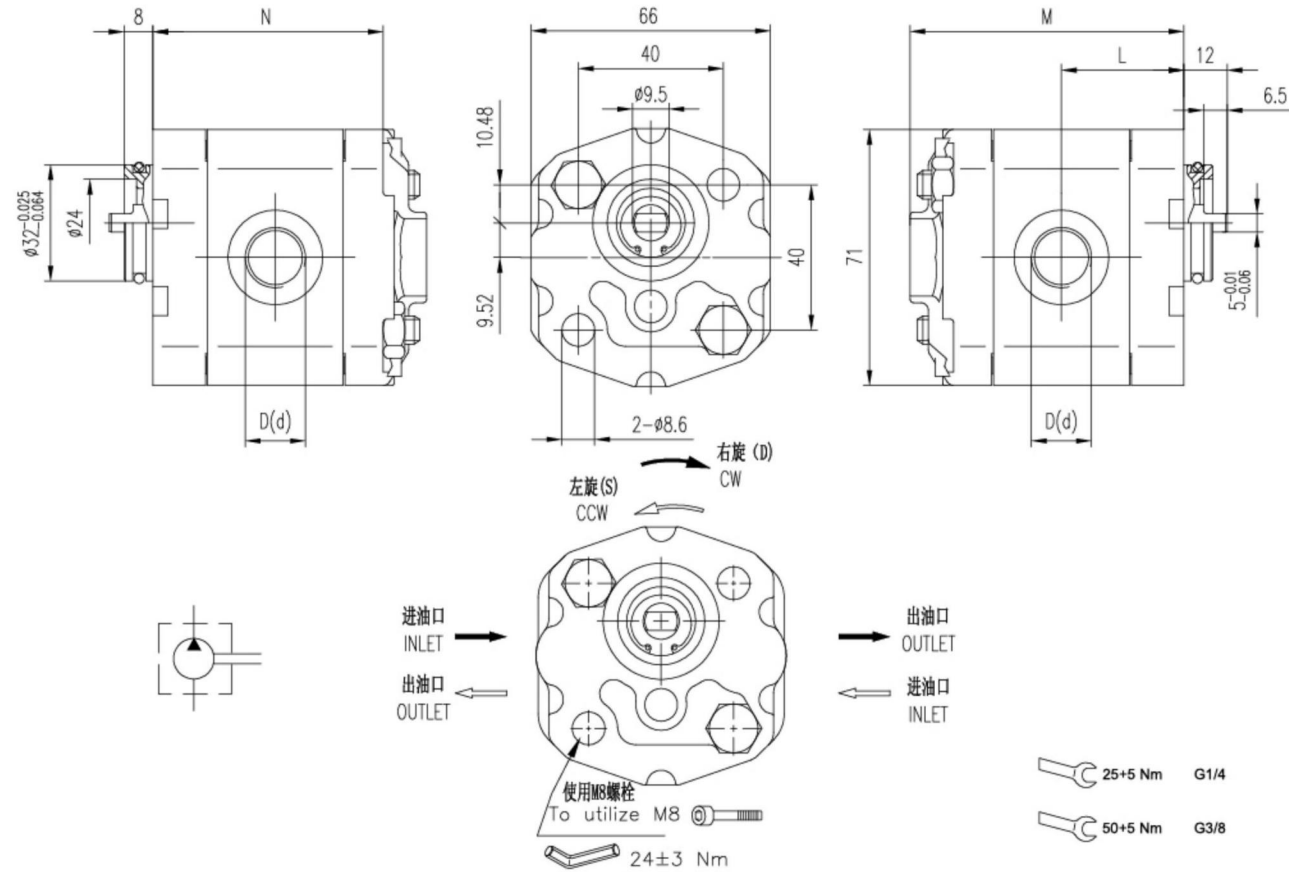
E0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
E0	0.8...8.0	A	B	C	a	b	c
		30	12	M6	30	12	M6

1系列/Group 1

1系列标准型产品尺寸/Group 1 Standard Product Dimensions

PKP1-Q1-D-0.8-G0-L2

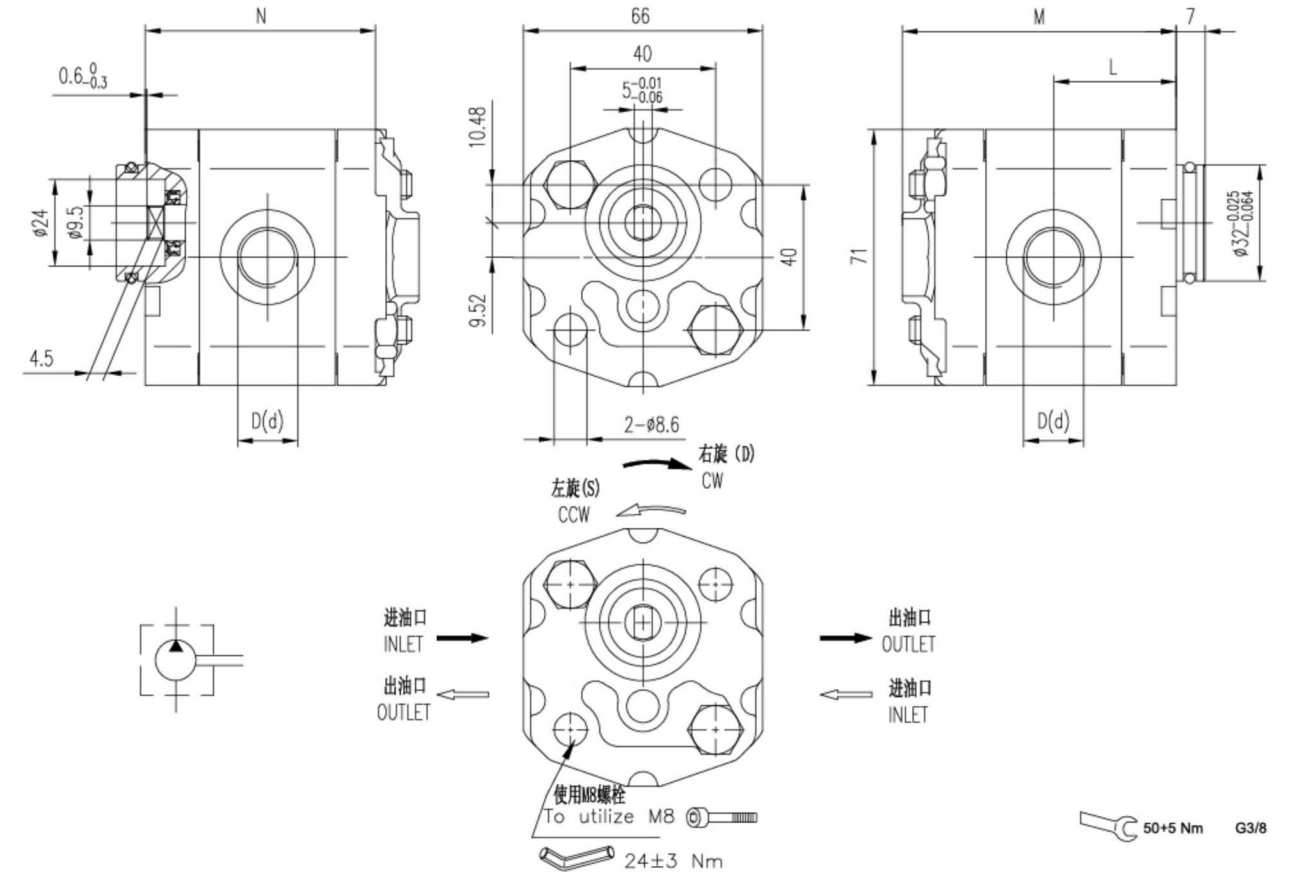


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	6000	1000	0.76	73.5	61.5	32.8	L2	G3/8	G1/4
1.1	230	250	270	6000	1000	0.77	74	62	33	L2	G3/8	G1/4
1.3	230	250	270	6000	1000	0.78	75	63	33.5	L2	G3/8	G1/4
1.6	230	250	270	6000	1000	0.79	76	64	34	L2	G3/8	G1/4
1.8	230	250	270	6000	1000	0.81	77	65	34.5	L2	G3/8	G1/4
2.1	230	250	270	6000	1000	0.82	78	66	35	L2	G3/8	G1/4
2.7	230	250	270	6000	800	0.85	80	68	36	L2	G3/8	G1/4
3.2	210	230	250	5000	800	0.87	82	70	37	L2	G3/8	G1/4
3.7	210	230	250	4500	800	0.90	84	72	38	L2	G3/8	G1/4
4.2	210	230	250	4000	800	0.93	86	74	39	L2	G3/8	G1/4
4.8	190	210	230	3500	600	0.95	88	76	40	L2	G3/8	G1/4
5.8	190	210	230	3000	600	1.02	92	80	42	L2	G3/8	G1/4
7.0	160	180	200	2500	600	1.07	96	84	44	L2	G3/8	G1/4
8.0	160	180	200	2100	600	1.13	100	88	46	L2	G3/8	G1/4

1系列/Group 1

1系列标准型产品尺寸/Group 1 Standard Product Dimensions

PKP1-Q2-D-0.8-G1-L3

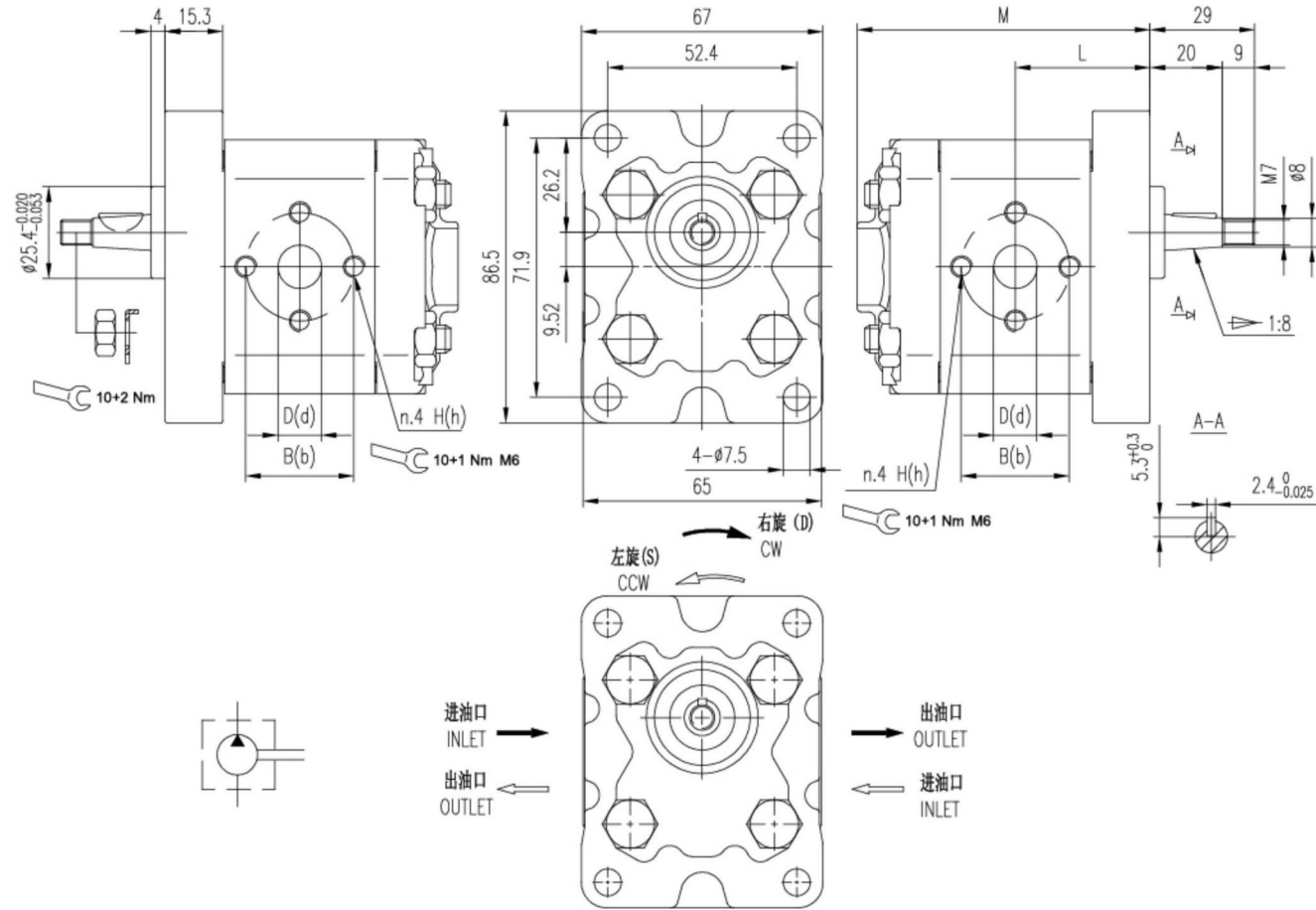


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	6000	1000	0.76	73.5	61.5	32.8	L3	G3/8	G3/8
1.1	230	250	270	6000	1000	0.77	74	62	33	L3	G3/8	G3/8
1.3	230	250	270	6000	1000	0.78	75	63	33.5	L3	G3/8	G3/8
1.6	230	250	270	6000	1000	0.79	76	64	34	L3	G3/8	G3/8
1.8	230	250	270	6000	1000	0.81	77	65	34.5	L3	G3/8	G3/8
2.1	230	250	270	6000	1000	0.82	78	66	35	L3	G3/8	G3/8
2.7	230	250	270	6000	800	0.85	80	68	36	L3	G3/8	G3/8
3.2	210	230	250	5000	800	0.87	82	70	37	L3	G3/8	G3/8
3.7	210	230	250	4500	800	0.90	84	72	38	L3	G3/8	G3/8
4.2	210	230	250	4000	800	0.93	86	74	39	L3	G3/8	G3/8
4.8	190	210	230	3500	600	0.95	88	76	40	L3	G3/8	G3/8
5.8	190	210	230	3000	600	1.02	92	80	42	L3	G3/8	G3/8
7.0	160	180	200	2500	600	1.07	96	84	44	L3	G3/8	G3/8
8.0	160	180	200	2100	600	1.13	100	88	46	L3	G3/8	G3/8

1系列/Group 1

1系列标准型产品尺寸/Group 1 Standard Product Dimensions

PKP1-B0-D-0.8-T0-E0

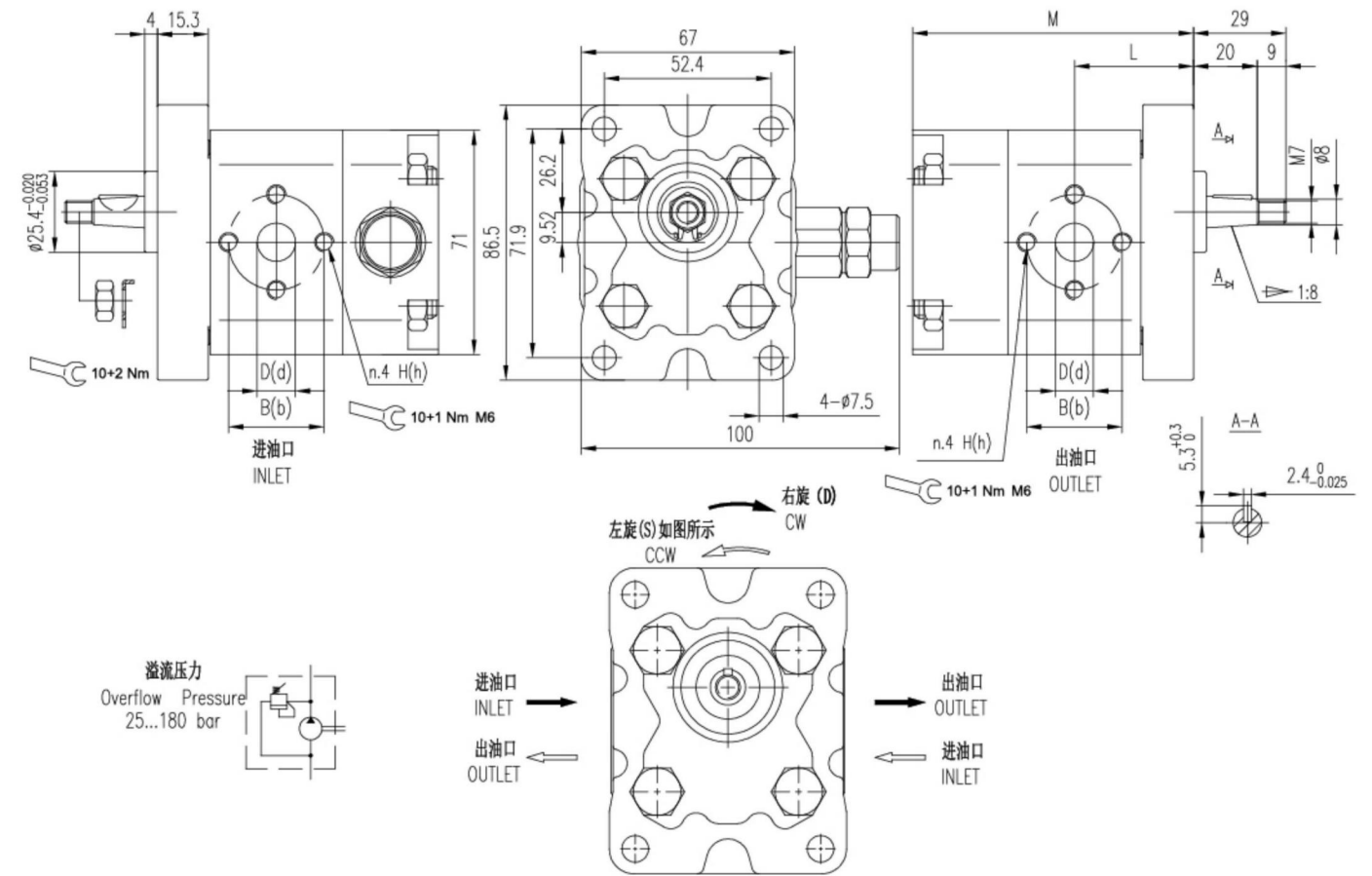


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
0.8	230	250	270	6000	1000	0.86	74.5	33.8	F0	30	12	M6	30	12	M6
1.1	230	250	270	6000	1000	0.88	75	34	F0	30	12	M6	30	12	M6
1.3	230	250	270	6000	1000	0.90	76	34.5	F0	30	12	M6	30	12	M6
1.6	230	250	270	6000	1000	0.92	77	35	F0	30	12	M6	30	12	M6
1.8	230	250	270	6000	1000	0.94	78	35.5	E0	30	12	M6	30	12	M6
2.1	230	250	270	6000	1000	0.96	79	36	E0	30	12	M6	30	12	M6
2.7	230	250	270	6000	800	0.988	81	37	E0	30	12	M6	30	12	M6
3.2	210	230	250	5000	800	1.016	83	38	E0	30	12	M6	30	12	M6
3.7	210	230	250	4500	800	1.044	85	39	E0	30	12	M6	30	12	M6
4.2	210	230	250	4000	800	1.072	87	40	E0	30	12	M6	30	12	M6
4.8	190	210	230	3500	600	1.1	89	41	E0	30	12	M6	30	12	M6
5.8	190	210	230	3000	600	1.156	93	43	E0	30	12	M6	30	12	M6
7.0	160	180	200	2500	600	1.212	97	45	E0	30	12	M6	30	12	M6
8.0	160	180	200	2100	600	1.268	101	47	E0	30	12	M6	30	12	M6

1系列/Group 1

1系列标准型产品尺寸/Group 1 Standard Product Dimensions

PKP1-B0-S-0.8-T0-E0-YF1-P180

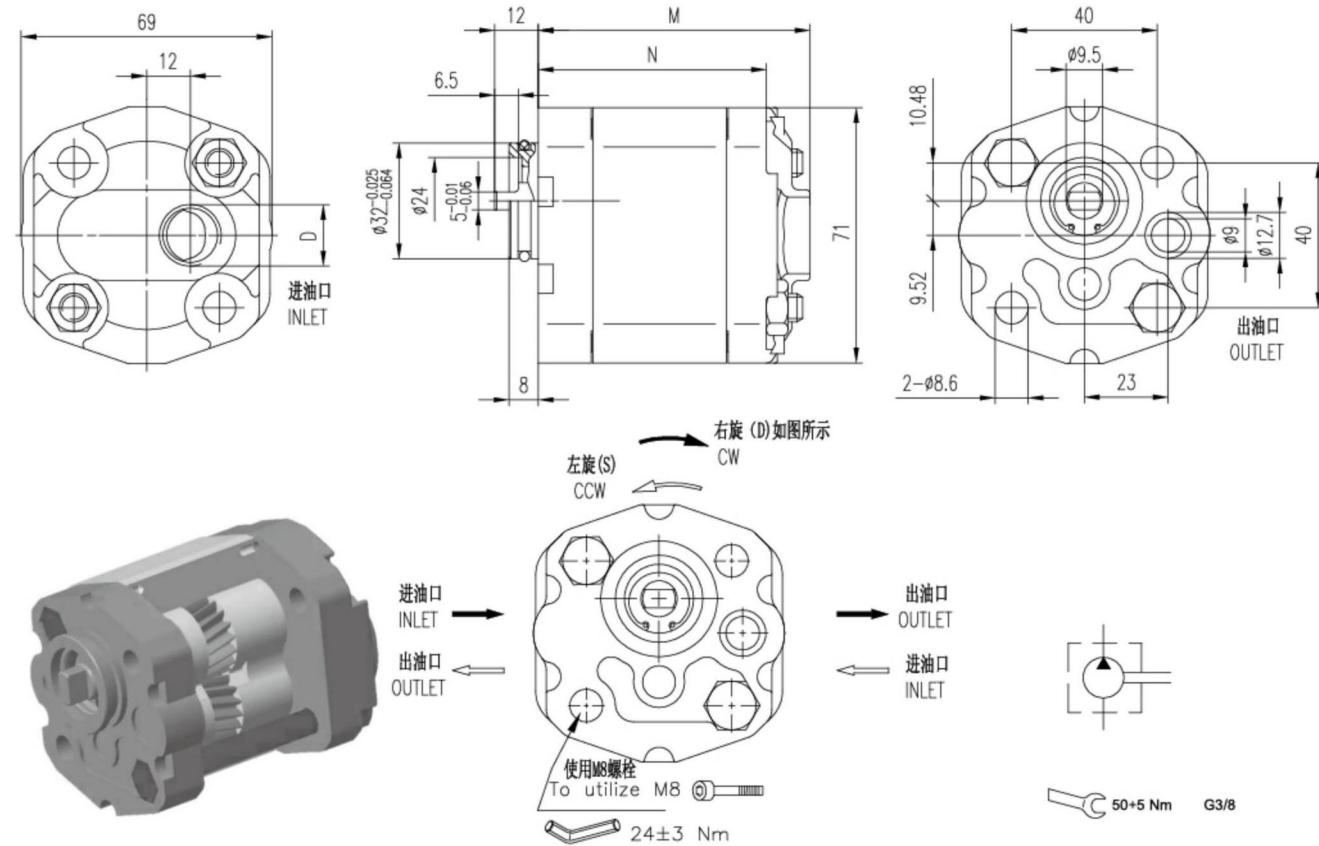


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
0.8	230	250	270	6000	1000	0.86	83.5	33.8	F0	30	12	M6	30	12	M6
1.1	230	250	270	6000	1000	0.88	84	34	F0	30	12	M6	30	12	M6
1.3	230	250	270	6000	1000	0.90	85	34.5	F0	30	12	M6	30	12	M6
1.6	230	250	270	6000	1000	0.92	86	35	F0	30	12	M6	30	12	M6
1.8	230	250	270	6000	1000	0.94	87	35.5	E0	30	12	M6	30	12	M6
2.1	230	250	270	6000	1000	0.96	88	36	E0	30	12	M6	30	12	M6
2.7	230	250	270	6000	800	0.988	90	37	E0	30	12	M6	30	12	M6
3.2	210	230	250	5000	800	1.016	92	38	E0	30	12	M6	30	12	M6
3.7	210	230	250	4500	800	1.044	94	39	E0	30	12	M6	30	12	M6
4.2	210	230	250	4000	800	1.072	96	40	E0	30	12	M6	30	12	M6
4.8	190	210	230	3500	600	1.1	98	41	E0	30	12	M6	30	12	M6
5.8	190	210	230	3000	600	1.156	102	43	E0	30	12	M6	30	12	M6
7.0	160	180	200	2500	600	1.212	106	45	E0	30	12	M6	30	12	M6
8.0	160	180	200	2100	600	1.268	110	47	E0	30	12	M6	30	12	M6

1E系列/Group 1E

1E系列标准型产品尺寸/Group 1E Standard Product Dimensions

PKP1E-Q0-D-0.8-G0-X-LJ1



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	N		D
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		
0.8	200	230	250	4000	1000	0.80	74.5	62.5	LJ1	G3/8
1.1	200	230	250	4000	1000	0.81	75	63	LJ1	G3/8
1.3	200	230	250	4000	1000	0.82	76.2	64.2	LJ1	G3/8
1.6	200	230	250	4000	1000	0.84	77.7	65.7	LJ1	G3/8
1.8	200	230	250	4000	1000	0.85	78.7	66.7	LJ1	G3/8
2.1	200	230	250	4000	1000	0.87	80	68	LJ1	G3/8
2.7	200	230	250	4000	800	0.90	83	71	LJ1	G3/8
3.2	200	230	250	4000	800	0.93	85.4	73.4	LJ1	G3/8
3.7	200	230	250	4000	800	0.95	87.8	75.8	LJ1	G3/8
4.2	200	230	250	4000	800	0.97	90.2	78.2	LJ1	G3/8
4.8	150	180	200	3500	600	1.00	93	81	LJ1	G3/8
5.8	150	180	200	3000	600	1.08	98	86	LJ1	G3/8

1.2系列/Group 1.2

1.2系列选型规则/Group 1.2 Ordering Code Rules

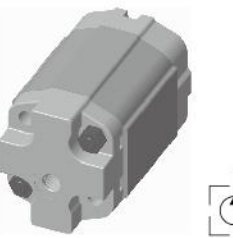
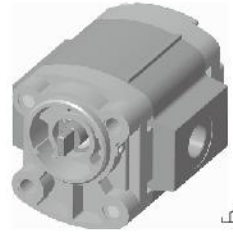
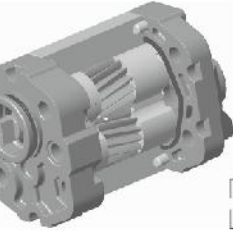
P	A	P	1.2B	Q5	D	0.8	G1	L3	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1.2 1.2系列 Group 1.2 1.2B 1.2B系列 Group 1.2B		D 顺时针转 Clockwise S 逆时针转 Counter clockwise R 可正反转 Reversible	0.8 1.2 1.7 2.5 3.2 4.3 5 6 6.5 7.8 8.5 10 12					特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers		1.2E 1.2E系列 Group 1.2E								
									可选项 Options V 省略-温度范围在 -10℃~+80℃, 进口最高绝对压力为 3bar. Omit-Range between -10°C and +80°C inlet pressure up to max. 3 bar absolute. N 适用于高温介质，温度范围在 -10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10°C and +120°C. H 适用于低温介质，温度范围在 -40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40°C and +80°C. N 适用于进液口最大绝对压力 3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.		
前盖 Front cover			轴伸 Shaft			泵体油口 Ports			特殊结构 Special structure		
1.2系列 / Group 1.2											
Q0	方形前盖（止口Φ32） Square front cover (centering Φ32mm)			G0 扁平轴 Tang shaft			Z 公制螺纹 (M) Metric thread		省略-默认普通 omit-reguler		
Q2	方形前盖（止口Φ32） Square front cover (centering Φ32mm)			G4 扁平轴 Tang shaft			L 英制管螺纹 (G) Gas thread				
	详见 44 页 See page 44 for details			详见 44 页 See page 44 for details			U 美制管螺纹 (UNF-2B) UNF thread				
							R 英制锥螺纹 (PT) PT thread				
1.2B系列 / Group 1.2B											
Q5	方形前盖（止口Φ45.2） Square front cover (centering Φ45.2mm)			G1 扁平轴 Tang shaft			X 泵体无油口 Body without ports		省略-默认普通 omit-reguler		
	详见 44 页 See page 44 for details			详见 44 页 See page 44 for details					J 后盖带进油口 Back cover with inlet		
				G8 扁平轴 Tang shaft					Q 后盖带泄油口 Back cover with oil drain		
									详见 45 页 See page 45 for details		

如需其它型号请见详情页或联系本公司工程师

If you need other models, please see the details page or contact our engineers.

1.2系列/Group 1.2

1.2系列标准型产品概览/Group 1.2 Standard Product Overview

型式 type			
页码 page	46	47	48
型式 type			
页码 page	49	50	

1.2系列排量参数表/Group 1.2 Displacement parameter table

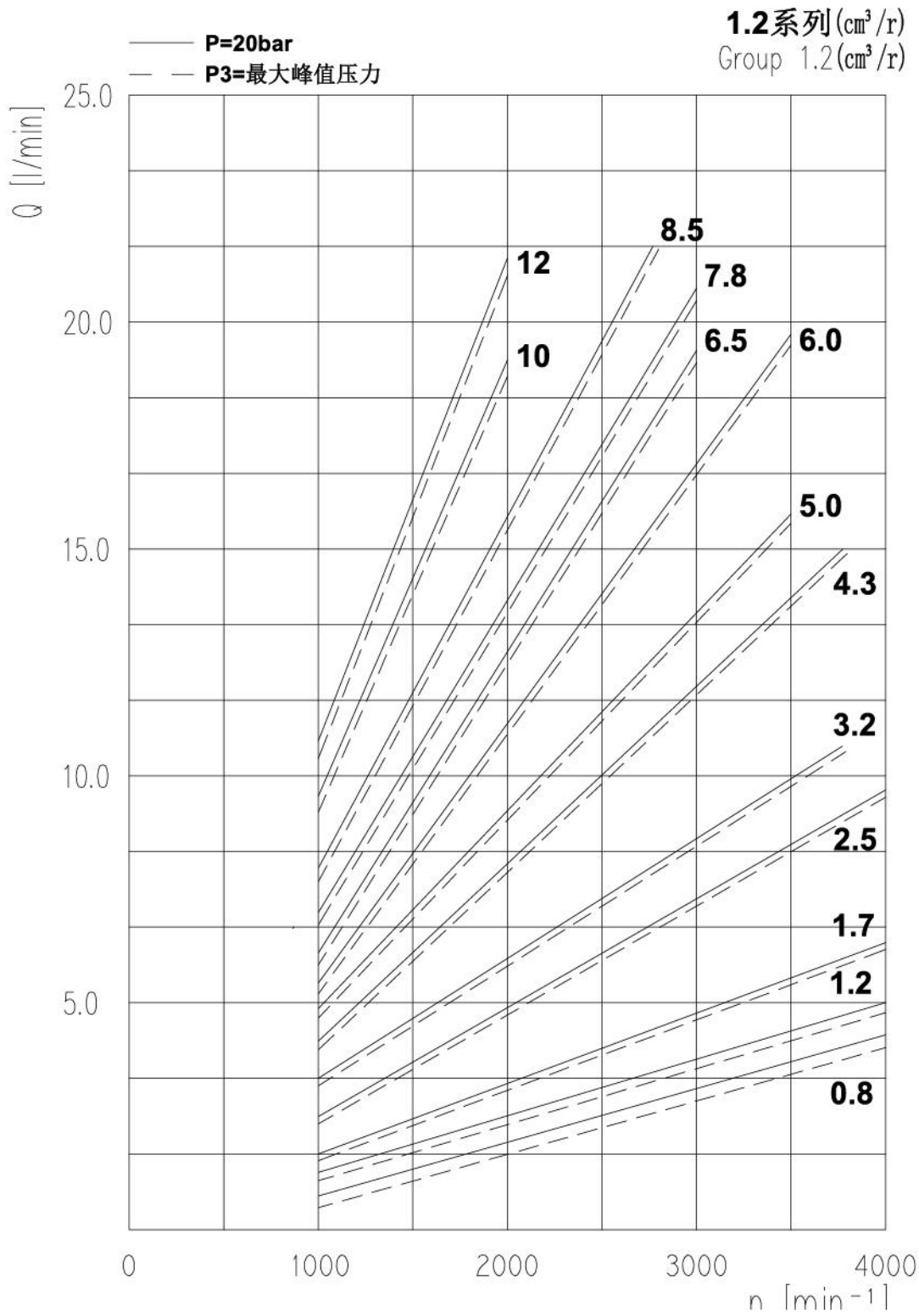
排量 Displacement	V	cm ³ /rev	0.8	1.2	1.7	2.5	3.2	4.3	5	6	6.5	7.8	8.5	10	12	
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3													
最高连续压力 Max. continuous pressure	P1		230			210			200			180	170	150		
最高间隙压力 Max. intermittent pressure	P2		250			230			220			200	190	175		
最高峰值压力 Max. peak pressure	P3		270			250			240			220	210	190		
最低转速 Min. speed	n _{kin}		r/min	800			700					500				
最高转速 Max. speed	n _{Max}	4000			3800		3500		3000		2800	2000				
容积效率 Volumetric efficiency	η _v	%	≥90		≥91			≥92					≥93		≥94	

1.2E系列排量参数表/Group 1.2E Displacement parameter table

排量 Displacement	V	cm ³ /rev	0.8	1.2	1.7	2.5	3.2	4.3	5	6
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3							
最高连续压力 Max. continuous pressure	P1		230				210			200
最高间隙压力 Max. intermittent pressure	P2		250				230			220
最高峰值压力 Max. peak pressure	P3		270				250			240
最低转速 Min. speed	n _{Min}		r/min	800				700		
最高转速 Max. speed	n _{Max}	4000				3800		3500		
容积效率 Volumetric efficiency	η _v	%	≥90			≥91			≥92	

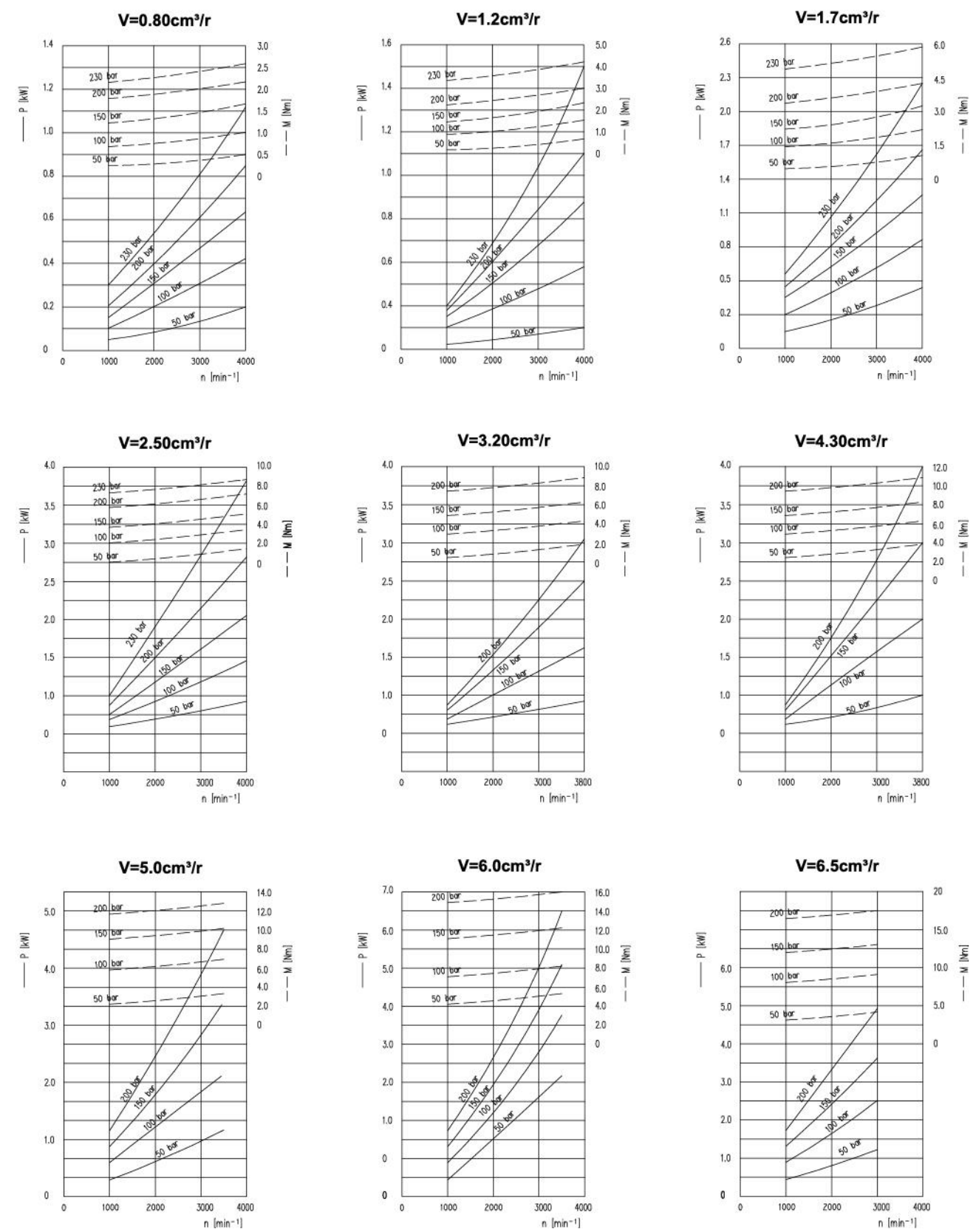
1.2系列/Group 1.2

1.2系列流量性能曲线表/Group 1.2 Flow Performance Curve Table



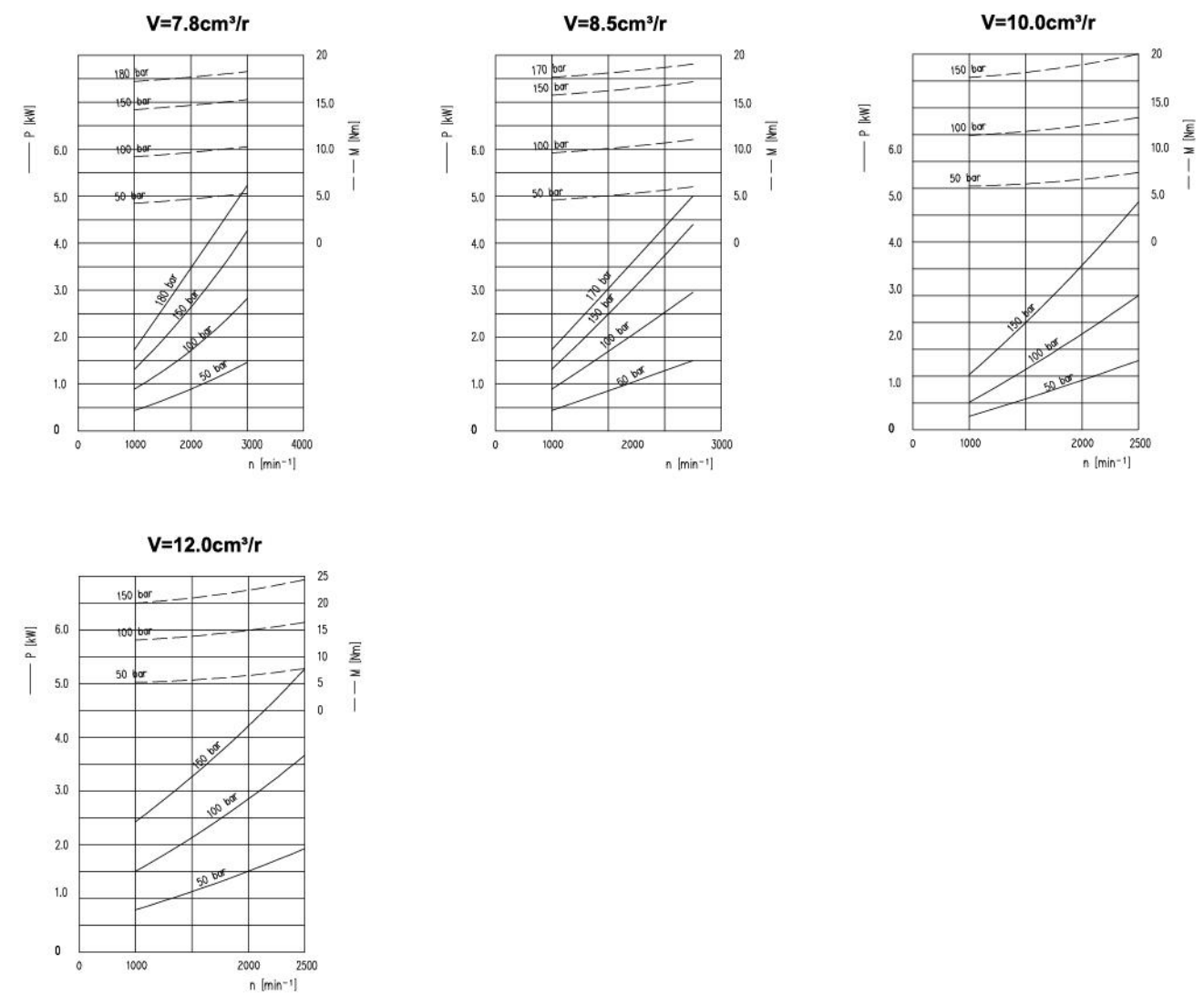
1.2系列/Group 1.2

1.2系列功率性能曲线表/Group 1.2 Power Performance Curve Table



1.2系列/Group 1.2

1.2系列功率性能曲线表/Group 1.2 Power Performance Curve Table



1.2系列/Group 1.2

1.2系列噪音曲线表/Group 1.2 Noise Curve Table

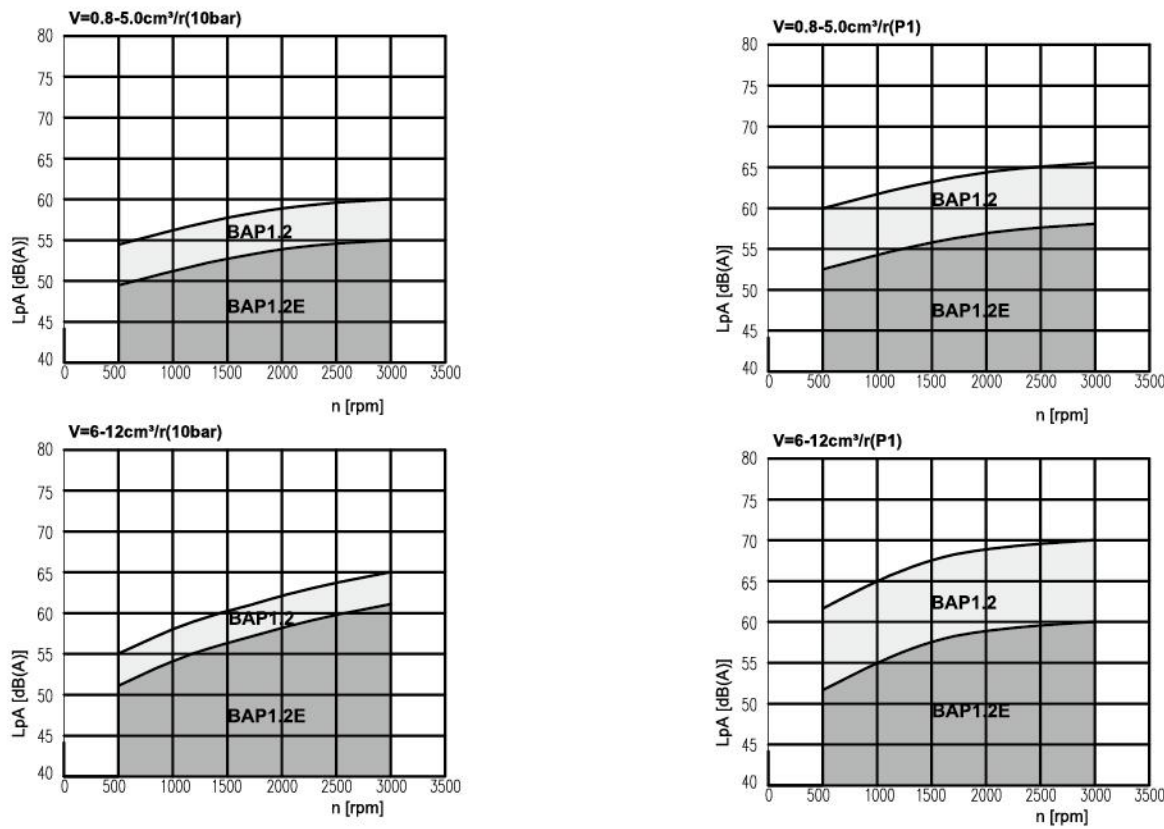
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range;This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s},\theta=50^\circ\text{C}$.

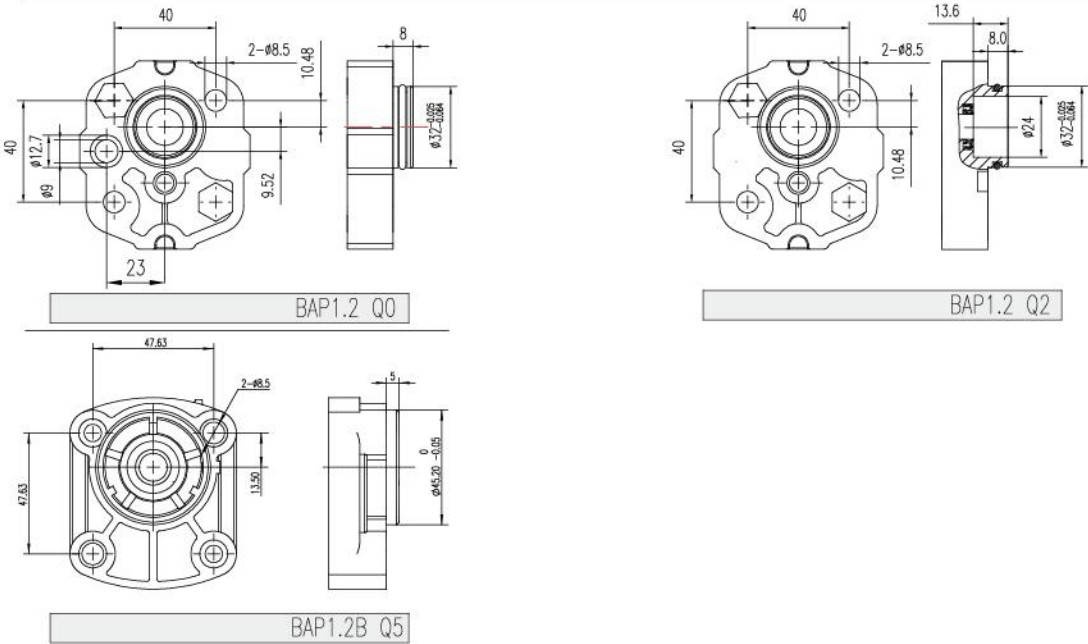
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

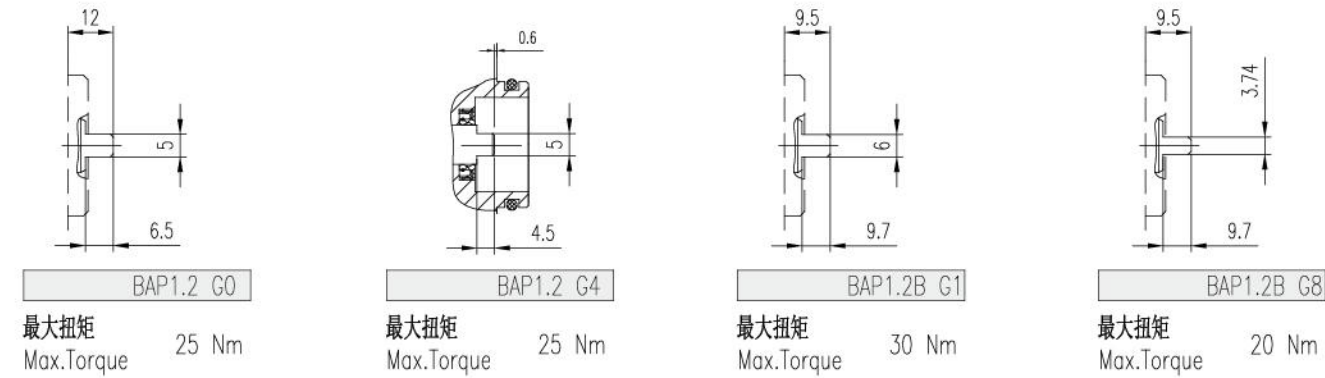


1.2系列/Group 1.2

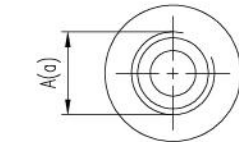
前盖/FRONT COVER



轴伸/SHAFTS



泵体油口/PORTS

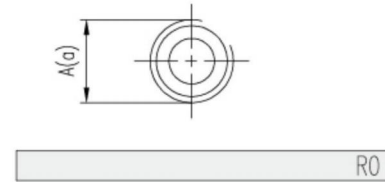


L1/L2/L3

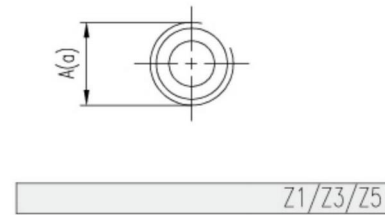
油口代号 PORTS CODE	排量 Displacement (cm^3/rev)	进油口 INLET	出油口 OUTLET
		A	a
L1	0.8...3.2	G3/8	G3/8
L2	4.3...7.8	G1/2	G3/8
L3	8.5...12	G1/2	G1/2

1.2系列/Group 1.2

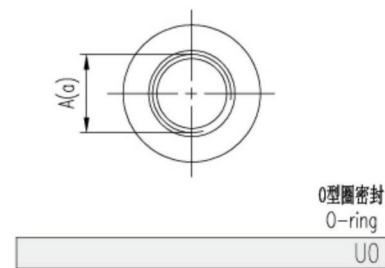
泵体油口/PORTS



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
R0	0.8...12	PT1/2	PT1/2

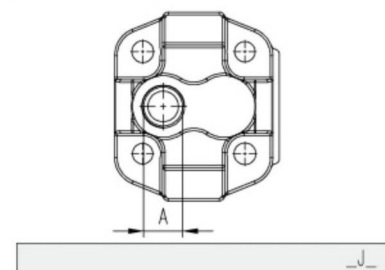


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z1	4.3...7.8	M18X1.5	M18X1.5
Z3	0.8...3.2	M16X1.5	M16X1.5
Z5	8.5...12	M22X1.5	M18X1.5

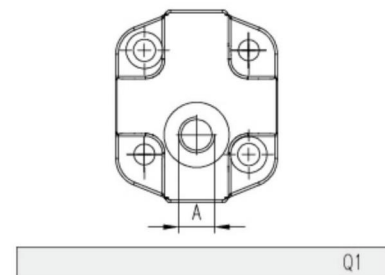


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	0.8...12	7/8-14 UNF	3/4-16 UNF

特殊结构/SPECIAL STRUCTURE



代号 CODE	排量 Displacement (cm ³ /rev)	进油口 INLET
LJ1	0.8...6.0	G3/8
LJ2	6.5...12	G1/2

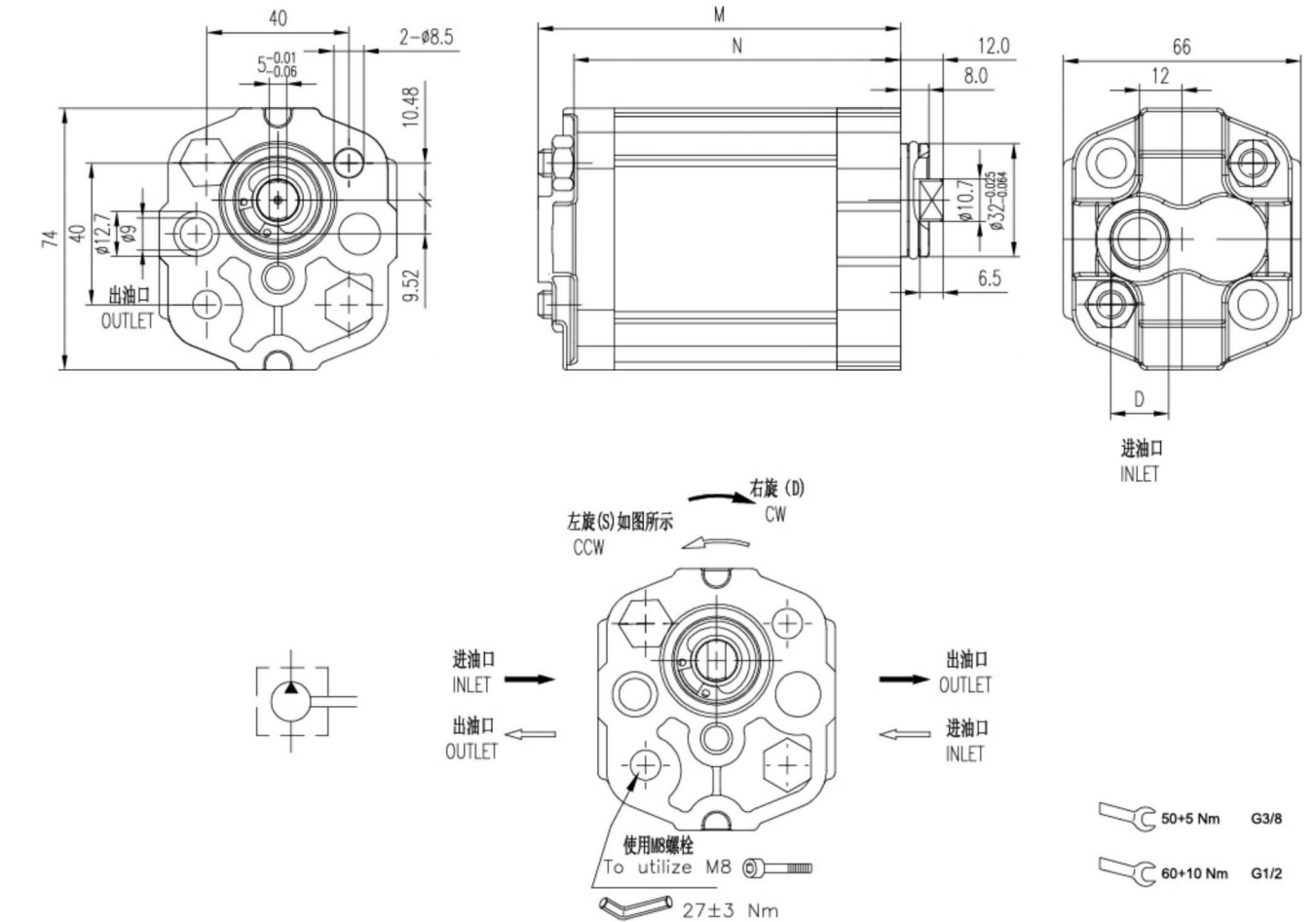


代号 CODE	泄油口 oil drain
Q1	G1/4

1.2系列/Group 1.2

1.2系列标准型产品尺寸/Group 1.2 Standard Product Dimensions

PAP1.2-Q0-S-0.8-G0-X-LJ1

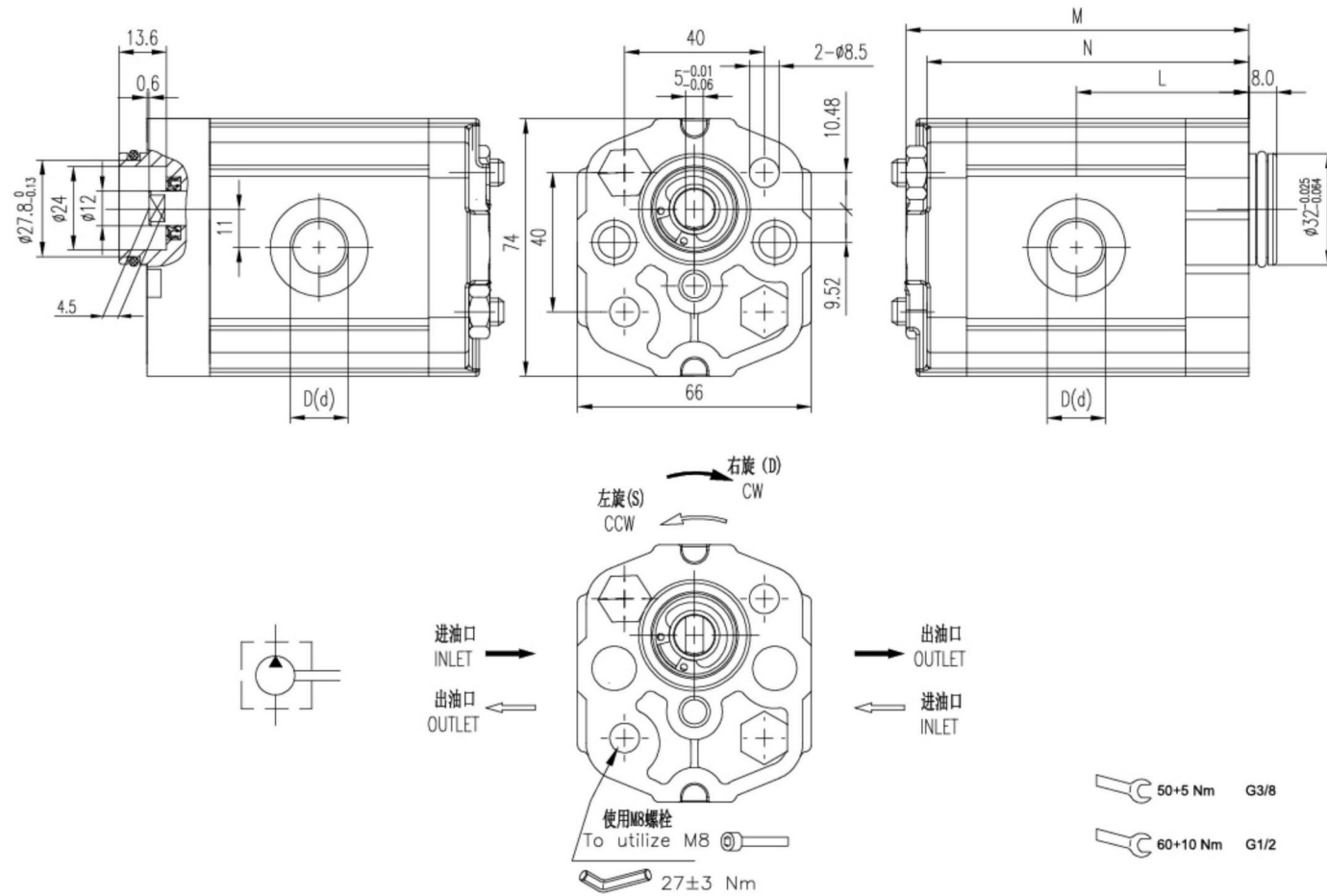


排量 Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Max. speed (r/min)	最低转速 Min. speed (r/min)	重量 Weight Kg	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET D
	P1 bar	P2 bar	P3 bar				M mm	N mm		
0.8	230	250	270	4000	800	1.0	81.5	74.5	LJ1	G3/8
1.2	230	250	270	4000	800	1.05	83.1	76.1	LJ1	G3/8
1.7	230	250	270	4000	800	1.13	85.1	78.1	LJ1	G3/8
2.5	230	250	270	4000	800	1.2	88.4	81.4	LJ1	G3/8
3.2	210	230	250	3800	700	1.3	91.5	84.5	LJ1	G3/8
4.3	210	230	250	3800	700	1.45	96.3	89.3	LJ1	G3/8
5.0	210	230	250	3500	700	1.55	99.3	92.3	LJ1	G3/8
6.0	200	220	240	3500	700	1.7	102.8	95.8	LJ1	G3/8
6.5	200	220	240	3000	700	1.75	105.3	98.3	LJ2	G1/2
7.8	180	200	220	3000	500	1.88	110.9	103.9	LJ2	G1/2
8.5	170	190	210	2800	500	1.95	113.1	106.1	LJ2	G1/2
10	150	175	190	2000	500	2.2	120.1	113.1	LJ2	G1/2
12	150	175	190	2000	500	2.45	128.1	121.1	LJ2	G1/2

1.2系列/Group 1.2

1.2系列标准型产品尺寸/Group 1.2 Standard Product Dimensions

PAP1.2-Q2-D-0.8-G4-L1

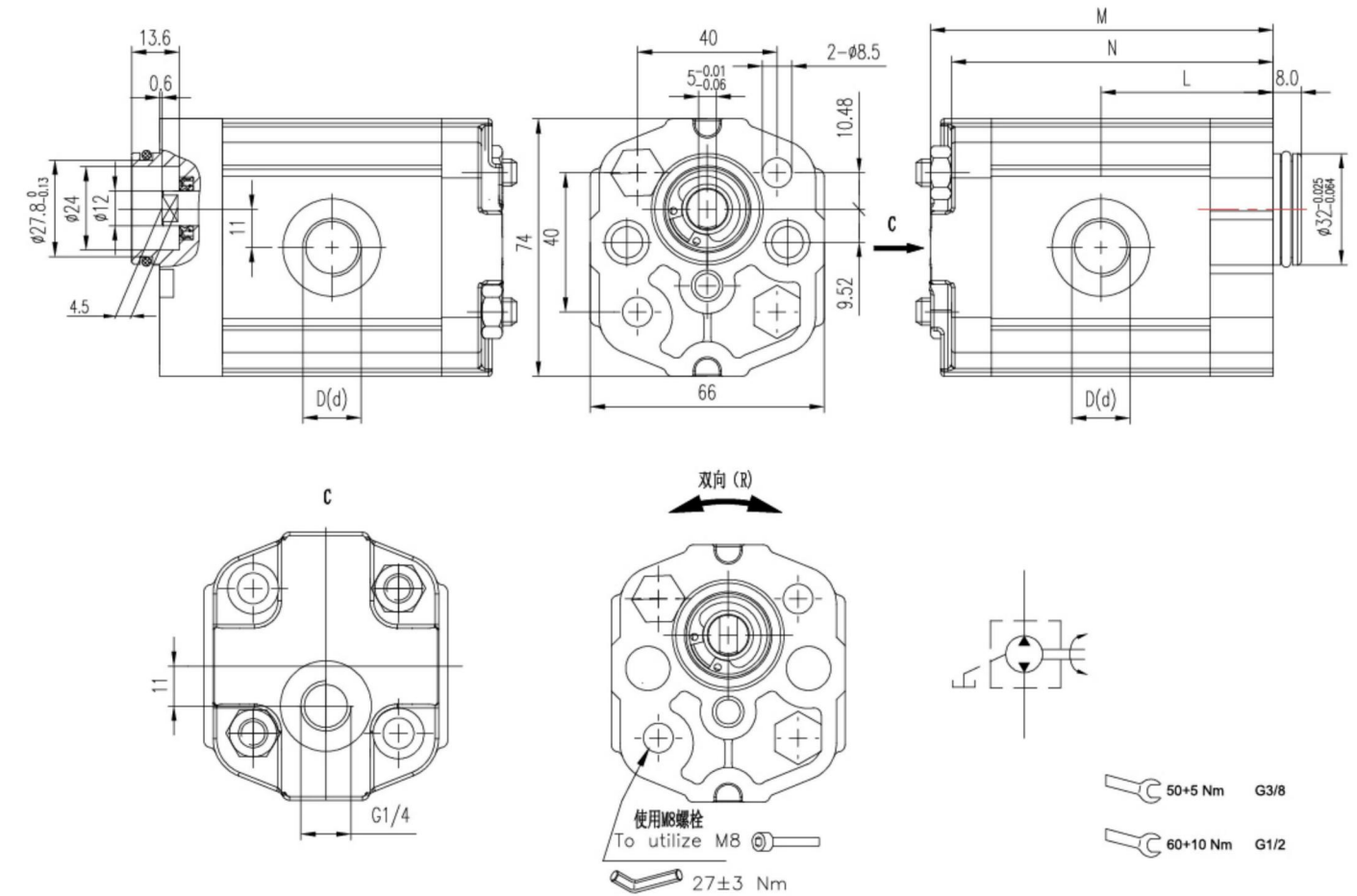


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	4000	800	1.0	81.5	74.5	38.8	L1	G3/8	G3/8
1.2	230	250	270	4000	800	1.05	83.1	76.1	39.6	L1	G3/8	G3/8
1.7	230	250	270	4000	800	1.13	85.1	78.1	40.6	L1	G3/8	G3/8
2.5	230	250	270	4000	800	1.2	88.4	81.4	42.2	L1	G3/8	G3/8
3.2	210	230	250	3800	700	1.3	91.5	84.5	43.8	L1	G3/8	G3/8
4.3	210	230	250	3800	700	1.45	96.3	89.3	46.2	L2	G1/2	G3/8
5.0	210	230	250	3500	700	1.55	99.3	92.3	47.7	L2	G1/2	G3/8
6.0	200	220	240	3500	700	1.7	102.8	95.8	49.5	L2	G1/2	G3/8
6.5	200	220	240	3000	700	1.75	105.3	98.3	50.7	L2	G1/2	G3/8
7.8	180	200	220	3000	500	1.88	110.9	103.9	53.5	L2	G1/2	G3/8
8.5	170	190	210	2800	500	1.95	113.1	106.1	54.6	L3	G1/2	G1/2
10	150	175	190	2000	500	2.2	120.1	113.1	58.1	L3	G1/2	G1/2
12	150	175	190	2000	500	2.45	128.1	121.1	62.1	L3	G1/2	G1/2

1.2系列/Group 1.2

1.2系列标准型产品尺寸/Group 1.2 Standard Product Dimensions

PAP1.2-Q2-R-0.8-G4-L1-Q1

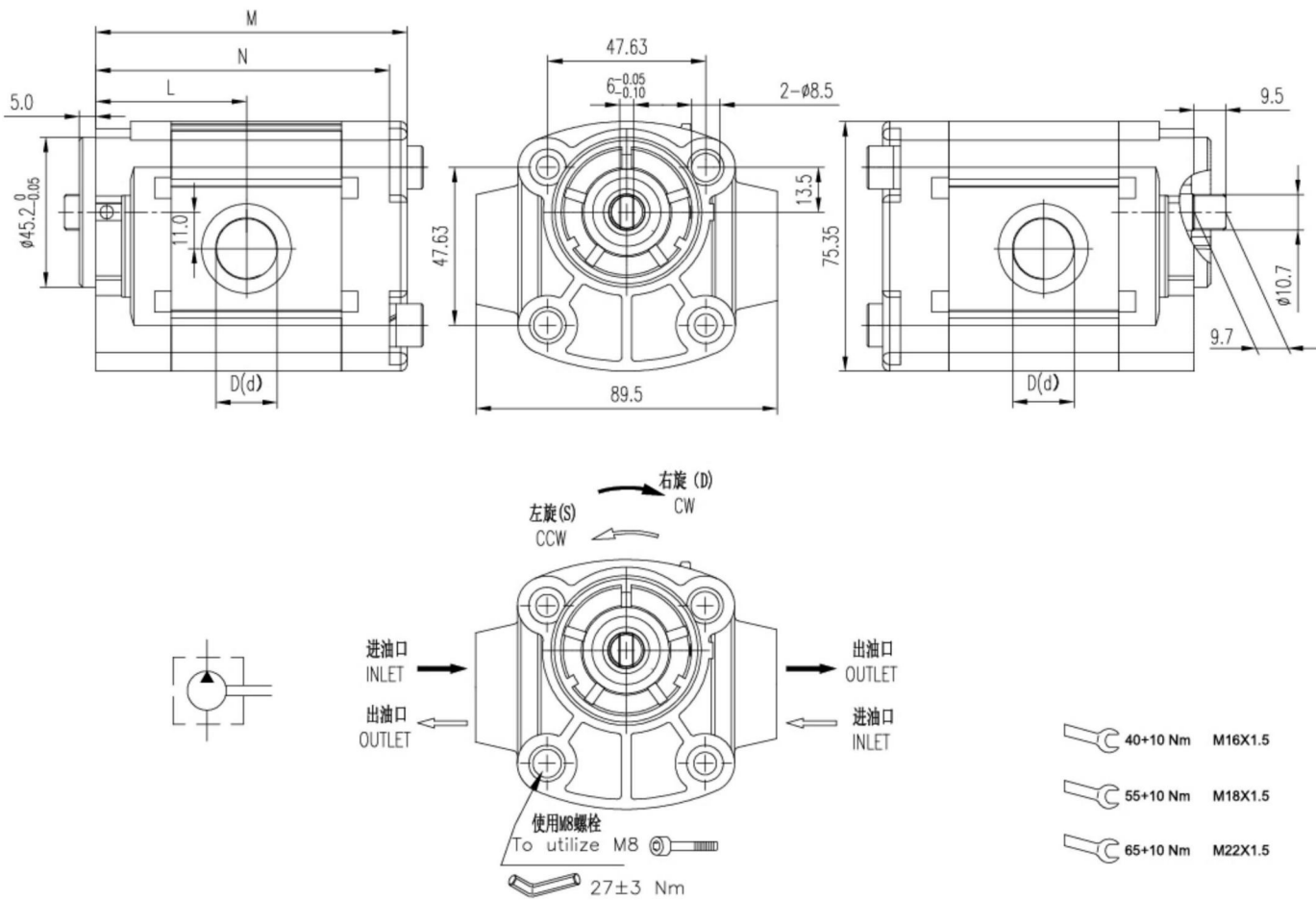


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	4000	800	1.0	81.5	74.5	38.8	L1	G3/8	G3/8
1.2	230	250	270	4000	800	1.05	83.1	76.1	39.6	L1	G3/8	G3/8
1.7	230	250	270	4000	800	1.13	85.1	78.1	40.6	L1	G3/8	G3/8
2.5	230	250	270	4000	800	1.2	88.4	81.4	42.2	L1	G3/8	G3/8
3.2	210	230	250	3800	700	1.3	91.5	84.5	43.8	L1	G3/8	G3/8
4.3	210	230	250	3800	700	1.45	96.3	89.3	46.2	L3	G1/2	G1/2
5.0	210	230	250	3500	700	1.55	99.3	92.3	47.7	L3	G1/2	G1/2
6.0	200	220	240	3500	700	1.7	102.8	95.8	49.5	L3	G1/2	G1/2
6.5	200	220	240	3000	700	1.75	105.3	98.3	50.7	L3	G1/2	G1/2
7.8	180	200	220	3000	500	1.88	110.9	103.9	53.5	L3	G1/2	G1/2
8.5	170	190	210	2800	500	1.95	113.1	106.1	54.6	L3	G1/2	G1/2
10	150	175	190	2000	500	2.2	120.1	113.1	58.1	L3	G1/2	G1/2
12	150	175	190	2000	500	2.45	128.1	121.1	62.1	L3	G1/2	G1/2

1.2系列/Group 1.2

1.2B系列标准型产品尺寸/Group 1.2B Standard Product Dimensions

PAP1.2B-Q5-D-0.8-G1-Z3

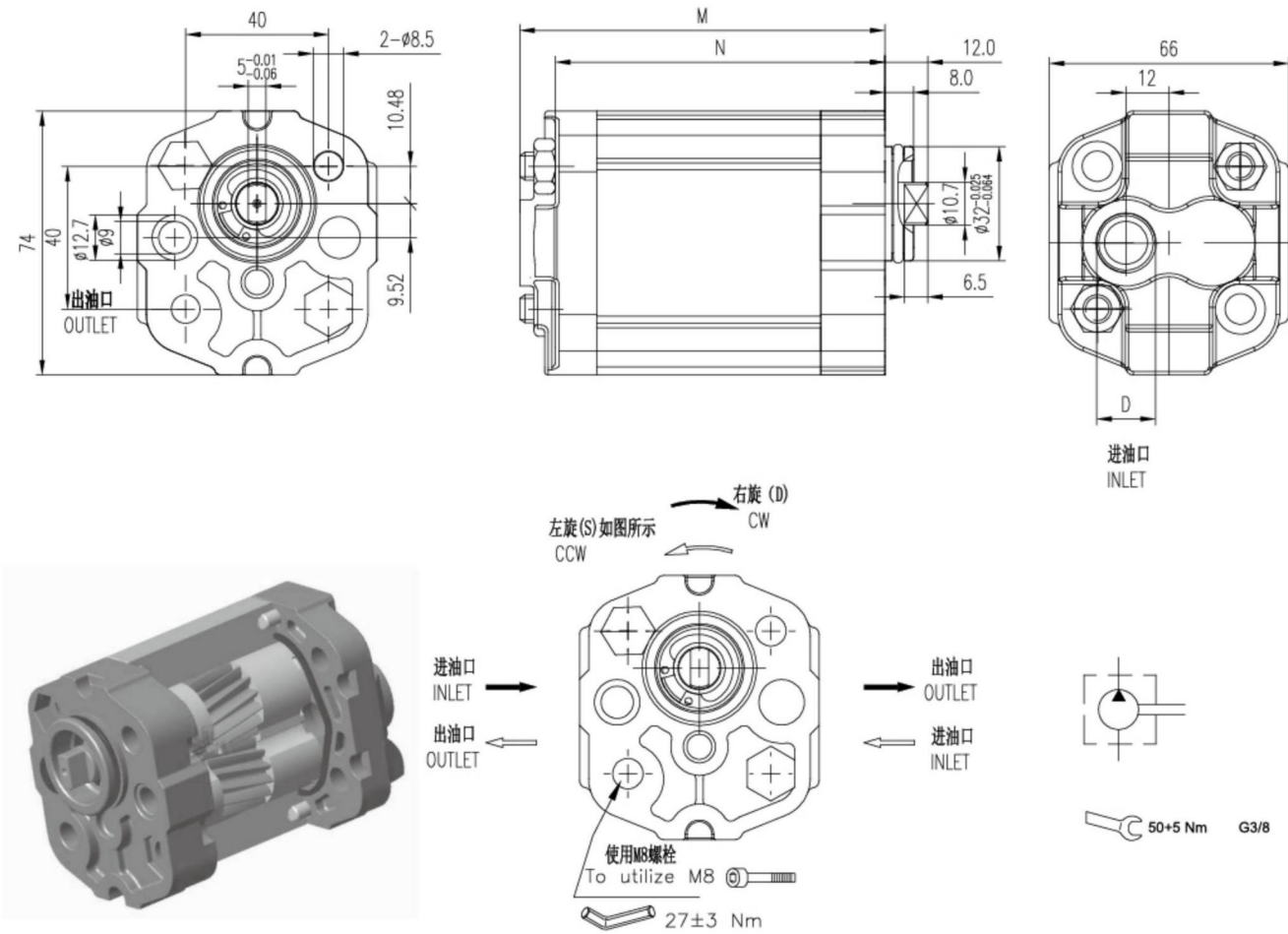


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L		D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm			
0.8	230	250	270	4000	800	1.0	84	78.7	43.5	Z3	M16X1.5	M16X1.5
1.2	230	250	270	4000	800	1.05	85.6	80.3	44.3	Z3	M16X1.5	M16X1.5
1.7	230	250	270	4000	800	1.13	87.6	82.3	45.3	Z3	M16X1.5	M16X1.5
2.5	230	250	270	4000	800	1.2	90.9	85.6	46.9	Z3	M16X1.5	M16X1.5
3.2	210	230	250	3800	700	1.3	94	88.7	48.5	Z3	M16X1.5	M16X1.5
4.3	210	230	250	3800	700	1.45	98.8	93.5	50.9	Z1	M18X1.5	M18X1.5
5.0	210	230	250	3500	700	1.55	101.8	96.5	52.4	Z1	M18X1.5	M18X1.5
6.0	200	220	240	3500	700	1.7	105.3	100	54.2	Z1	M18X1.5	M18X1.5
6.5	200	220	240	3000	700	1.75	107.8	102.5	55.4	Z1	M18X1.5	M18X1.5
7.8	180	200	220	3000	500	1.88	113.4	108.1	58.2	Z1	M18X1.5	M18X1.5
8.5	170	190	210	2800	500	1.95	115.6	110.3	59.3	Z5	M22X1.5	M18X1.5
10	150	175	190	2000	500	2.2	122.6	117.3	62.8	Z5	M22X1.5	M18X1.5
12	150	175	190	2000	500	2.45	130.6	125.3	66.8	Z5	M22X1.5	M18X1.5

1.2系列/Group 1.2

1.2E系列标准型产品尺寸/Group 1.2E Standard Product Dimensions

PAP1.2E-Q0-S-0.8-G0-X-LJ1



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	N		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D
0.8	230	250	270	4000	800	1.0	82.5	75.5	LJ1	G3/8
1.2	230	250	270	4000	800	1.05	84.1	77.1	LJ1	G3/8
1.7	230	250	270	4000	800	1.13	86.1	79.1	LJ1	G3/8
2.5	230	250	270	4000	800	1.2	89.4	82.4	LJ1	G3/8
3.2	210	230	250	3800	700	1.3	92.5	85.5	LJ1	G3/8
4.3	210	230	250	3800	700	1.45	97.3	90.3	LJ1	G3/8
5.0	210	230	250	3500	700	1.55	100.3	93.3	LJ1	G3/8
6.0	200	220	240	3500	700	1.7	103.8	96.8	LJ1	G3/8

1.25系列/Group 1.25

1.25系列选型规则/Group 1.25 Ordering Code Rules

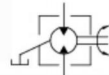
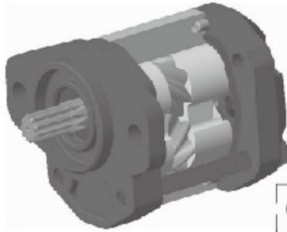
P	A	P	1.25	B0	D	1.4	T0	E0	省略/omit	省略/omit	省略/omit			
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other			
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1.25 1.25系列 Group 1.25		D 顺时针 Clockwise	1.4					特殊设计 special designing			
		M 马达 Motor	1.25Y 1.25Y系列 Group 1.25Y		S 逆时针 Counter clockwise	2.1								
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers				R 可正反转 Reversible	2.8								
						3.5								
						4.1								
						5.2								
						6.2								
						7.6								
						9.3								
						11.0								
						13.8								
可选项 Options 省略-温度范围在-10℃~+80℃, 进出口最高绝对压力为0bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.														
前盖 Front cover				轴伸 Shaft		泵体油口 Ports			特殊结构 Special structure					
A0	菱形前盖 (止口Φ50.8) Diamond front cover (centering Φ50.8mm)		T0	锥形键轴 1:8 Taper shaft 1:8		E	矩形法兰 Rectangular flange		省略-默认普通 omit-regular					
			C0	平键轴 Straight keyed		Z	公制螺纹 (M) Metric thread							
			C1	半圆键轴 Semi-circular key shaft		L	英制管螺纹 (G) Gas thread							
B0	方形前盖 (止口Φ30) Square front cover (centering Φ30mm)					U	美制管螺纹 (UNF-2B) UNF thread		Q 后盖带泄油口 Back cover with oil drain					
						R	英制锥螺纹 (PT) PT thread							
						N	美制锥螺纹 (NPT) NPT thread							
Q0	方形前盖 (止口Φ45.24) Square front cover (centering Φ45.24mm)		G0	扁平轴 Tang shaft		X	泵体无油口 Body without ports							
			S0	SAE花键轴 SAE spline shaft DP20/40-30°-9T										
			C0	平键轴 Straight keyed										

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

1.25系列/Group 1.25

1.25系列标准型产品概览/Group 1.25 Standard Product Overview

型式 type	 	 	 
页码 page	60	61	62

型式 type	 	 
页码 page	63	64

1.25系列排量参数表/Group 1.25 Displacement parameter table

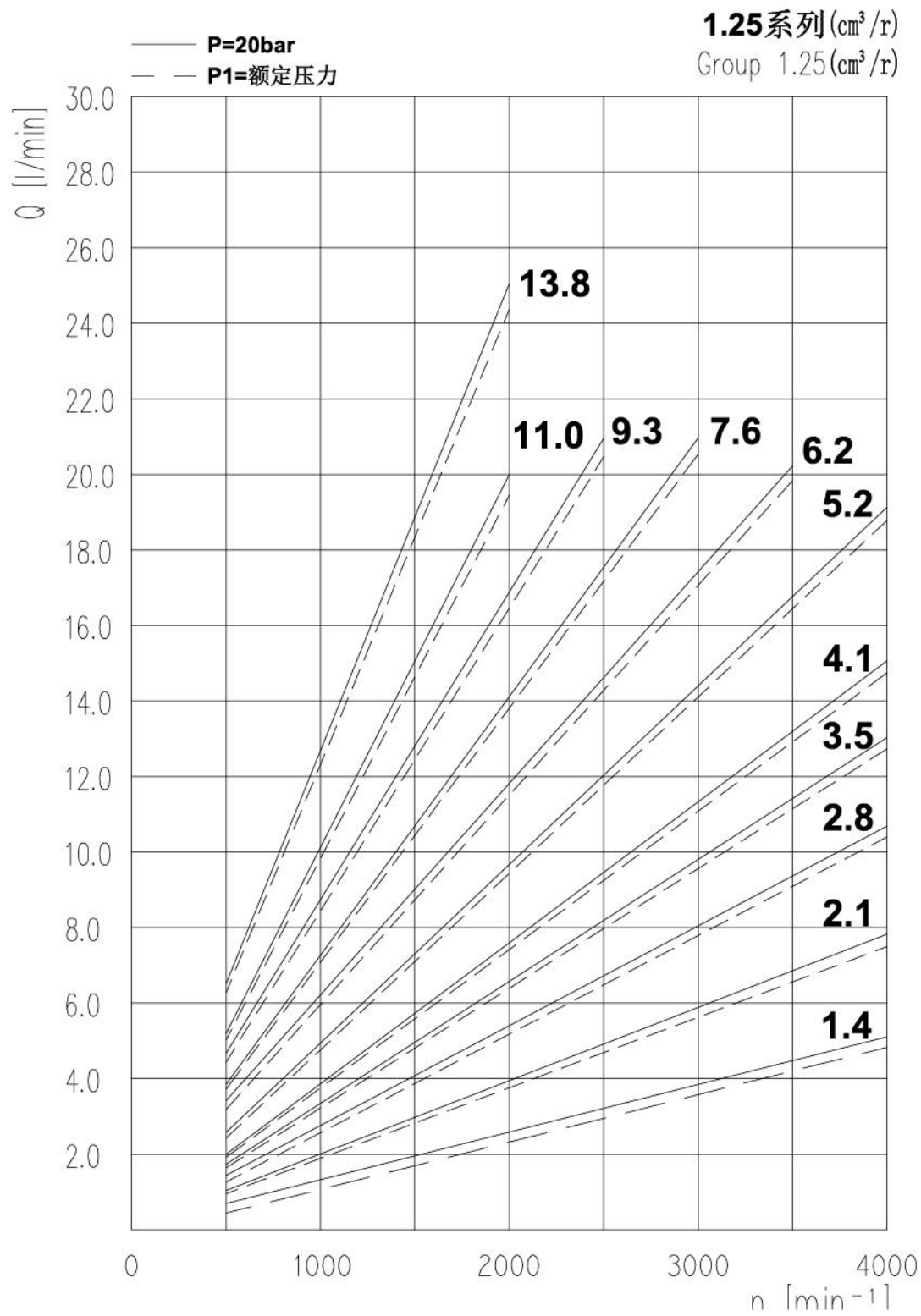
排量 Displacement	V	cm ³ /rev	1.4	2.1	2.8	3.5	4.1	5.2	6.2	7.6	9.3	11	13.8
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3										
最高连续压力 Max. continuous pressure	P1		250					230		200	180	170	150
最高间隙压力 Max. intermittent pressure	P2		270					245		215	195	185	165
最高峰值压力 Max. peak pressure	P3		290					260		230	210	200	180
最低转速 Min. speed	n _{Min}	r/min	800					600					
最高转速 Max. speed	n _{Max}		6000		5000		4000		3800	3200	2600	2200	1800
容积效率 Volumetric efficiency	η _v	%	≥90	≥91				≥92				≥94	

1.25Y系列排量参数表/Group 1.25Y Displacement parameter table

排量 Displacement	V	cm ³ /rev	2.8	3.5	4.1	5.2	6.2	7.6	9.3	11	13.8
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3								
最高连续压力 Max. continuous pressure	P1		250		230		200	180	170	150	
最高间隙压力 Max. intermittent pressure	P2		270		245		215	195	185	165	
最高峰值压力 Max. peak pressure	P3		290		260		230	210	200	180	
最低转速 Min. speed	n _{Min}		r/min	400		200					
最高转速 Max. speed	n _{Max}	4000		3800		3200	2600	2200	1800		
容积效率 Volumetric efficiency	η _v	%	≥93			≥95				≥97	

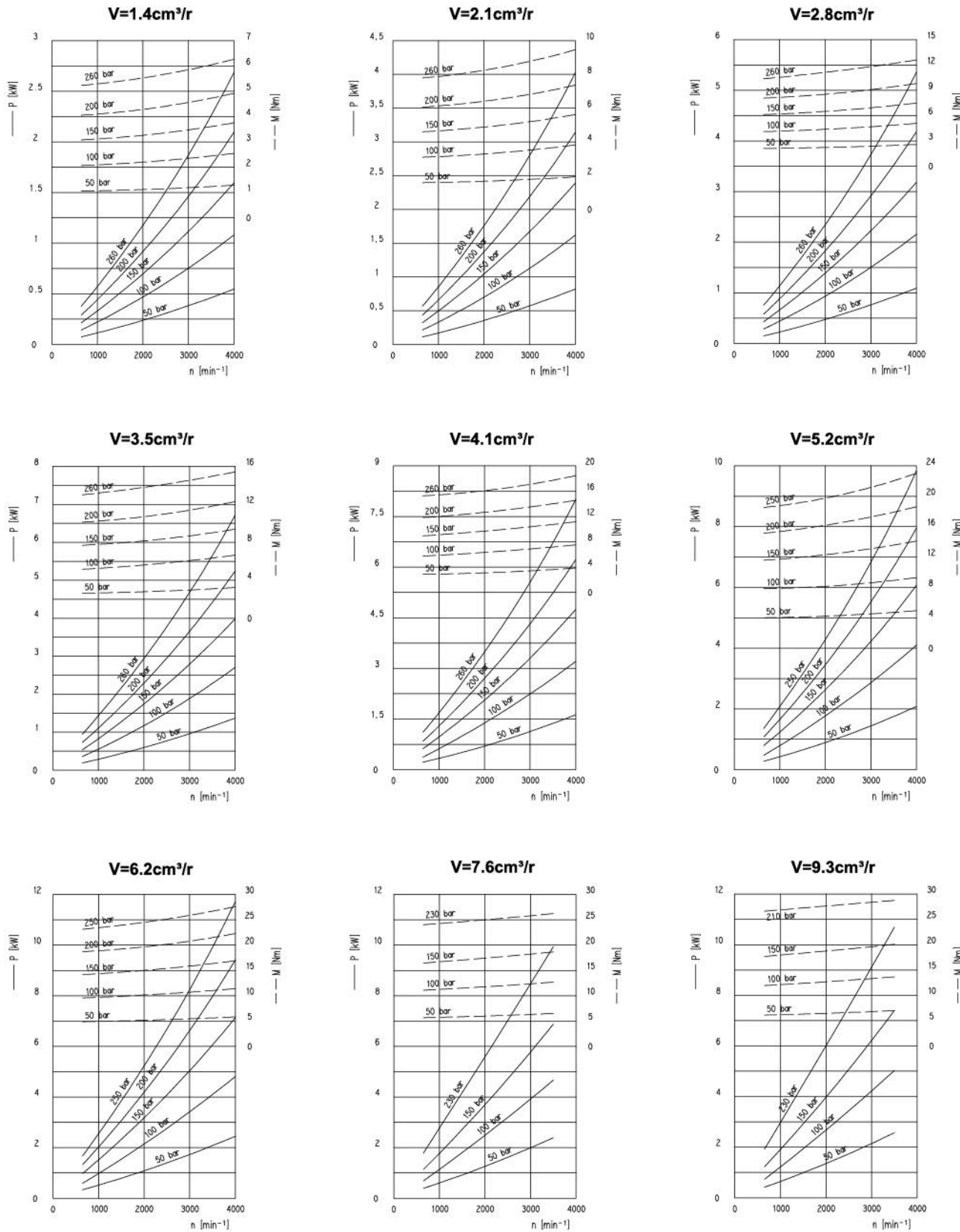
1.25系列/Group 1.25

1.25系列流量性能曲线表/Group 1.25 Flow Performance Curve Table



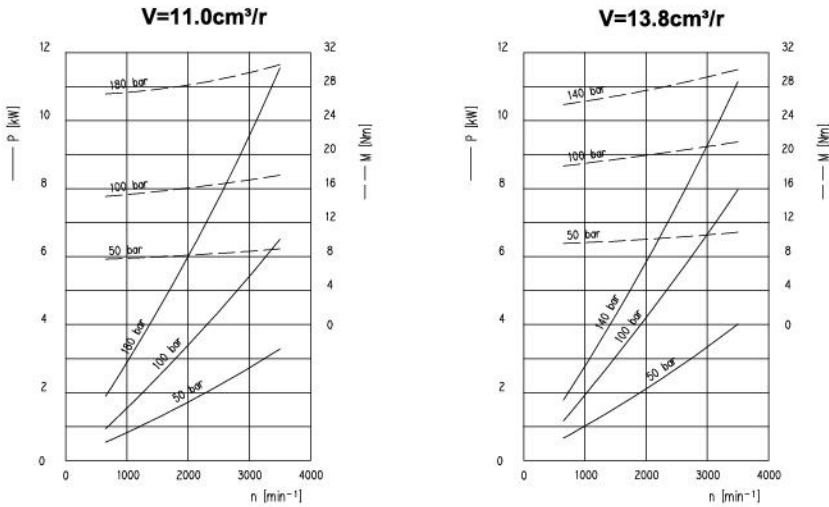
1.25系列/Group 1.25

1.25系列功率性能曲线表/Group 1.25 Power Performance Curve Table



1.25系列/Group 1.25

1.25系列功率性能曲线表/Group 1.25 Power Performance Curve Table



1.25系列/Group 1.25

1.25系列噪音曲线表/Group 1.25 Noise Curve Table

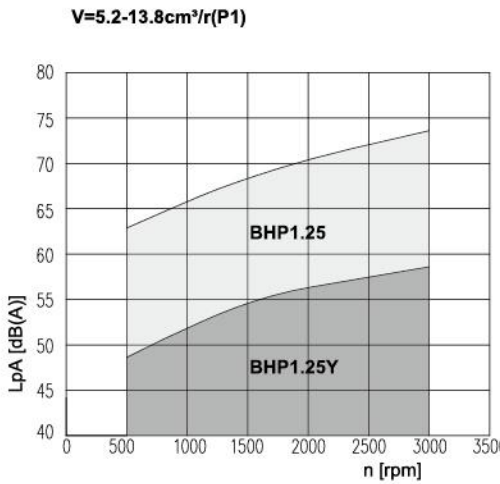
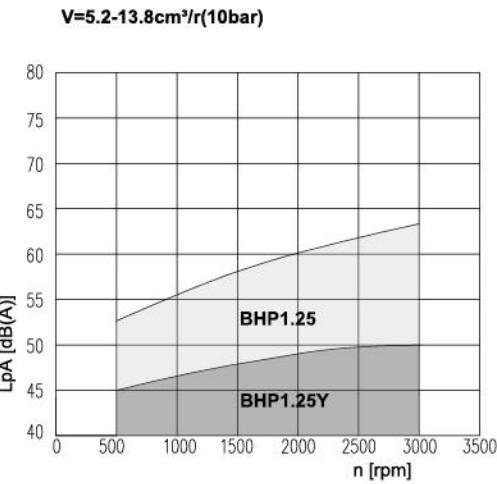
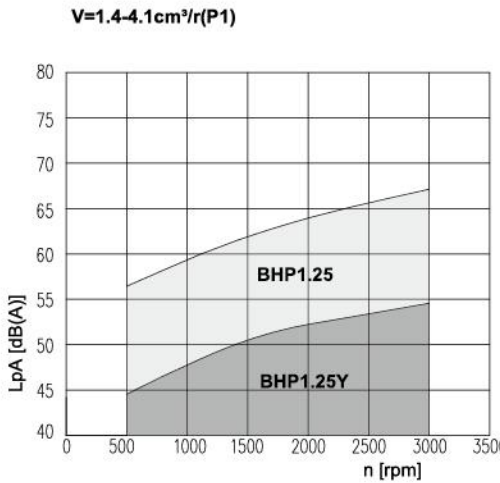
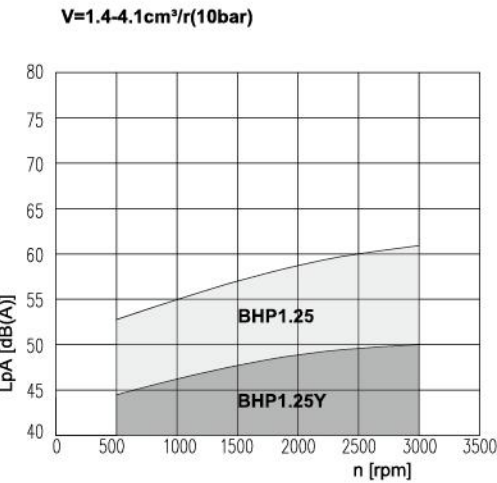
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

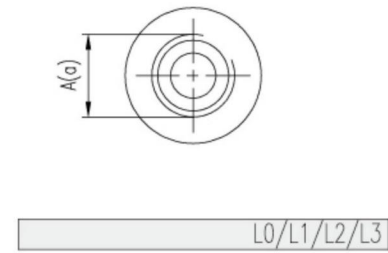
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离: 1 米。
Distance between measuring sensor and hydraulic pump: 1m.

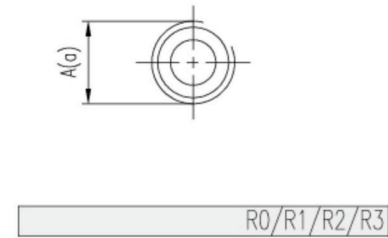


1.25系列/Group 1.25

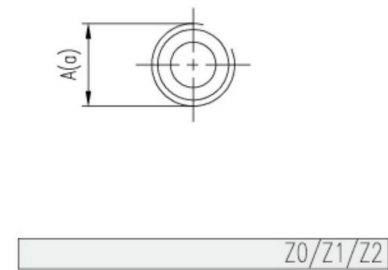
油口/PORTS



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	1.4...3.5	G1/2	G3/8
L1	4.1...13.8	G1/2	G1/2
L2	1.4...3.5	G3/8	G3/8
L3	4.1...13.8	G3/4	G1/2

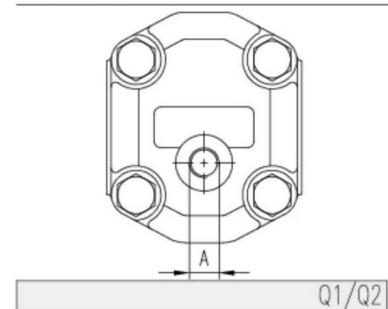


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
R0	1.4...6.2	PT1/2	PT3/8
R1	7.6...13.8	PT3/4	PT1/2
R2	1.4...13.8	PT1/2	PT1/2
R3	1.4...6.2	PT3/8	PT3/8



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	7.6...13.8	M18X1.5	M18X1.5
Z1	1.4...6.2	M16X1.5	M16X1.5
Z2	1.4...6.2	M18X1.5	M14X1.5

特殊结构/SPECIAL STRUCTRE

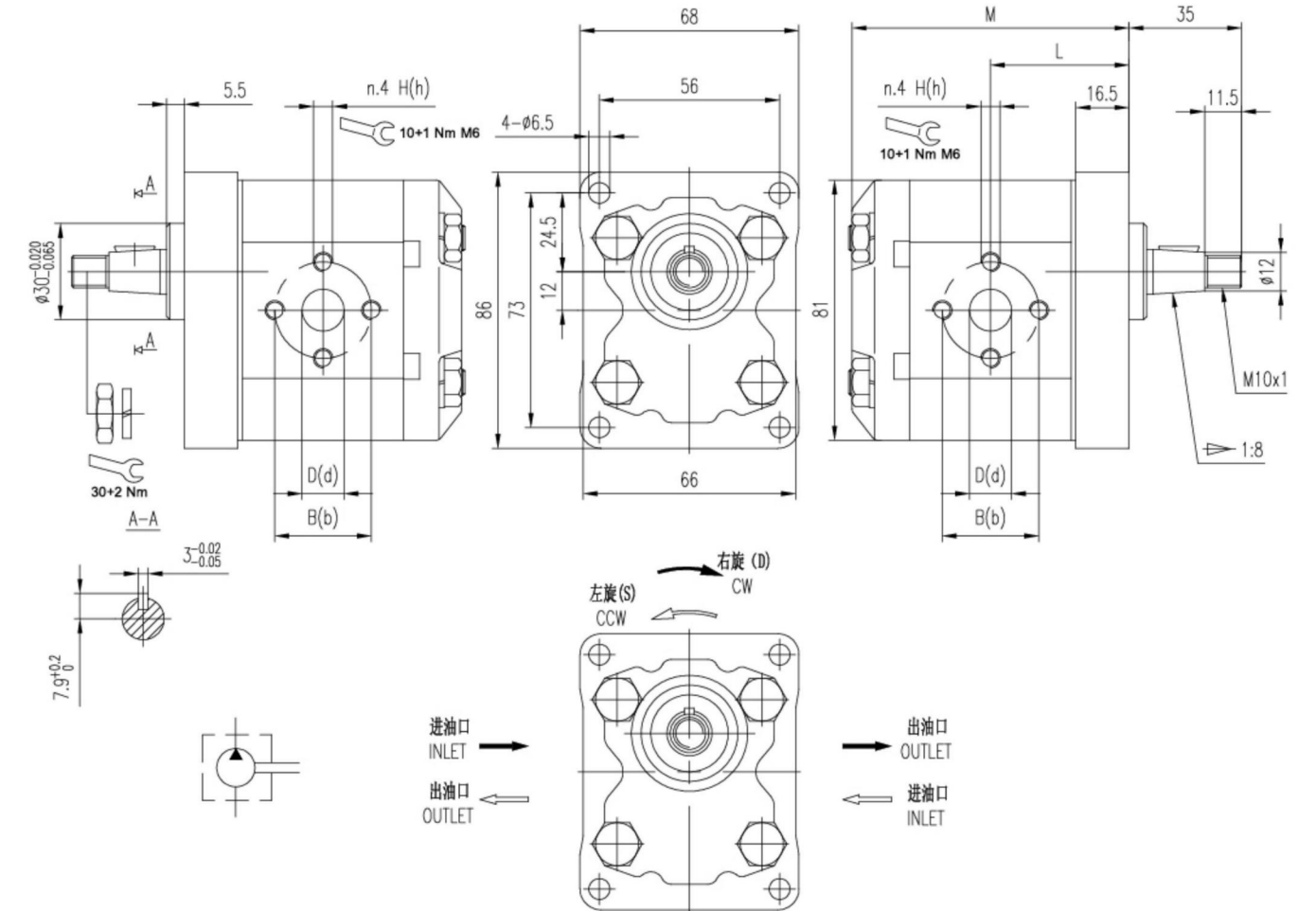


代号 CODE	泄油口 oil drain
A	
Q1	G1/4
Q2	7/16-20UNF

1.25系列/Group 1.25

1.25系列标准型产品尺寸/Group 1.25 Standard Product Dimensions

PAP1.25-B0-D-1.4-T0-E0

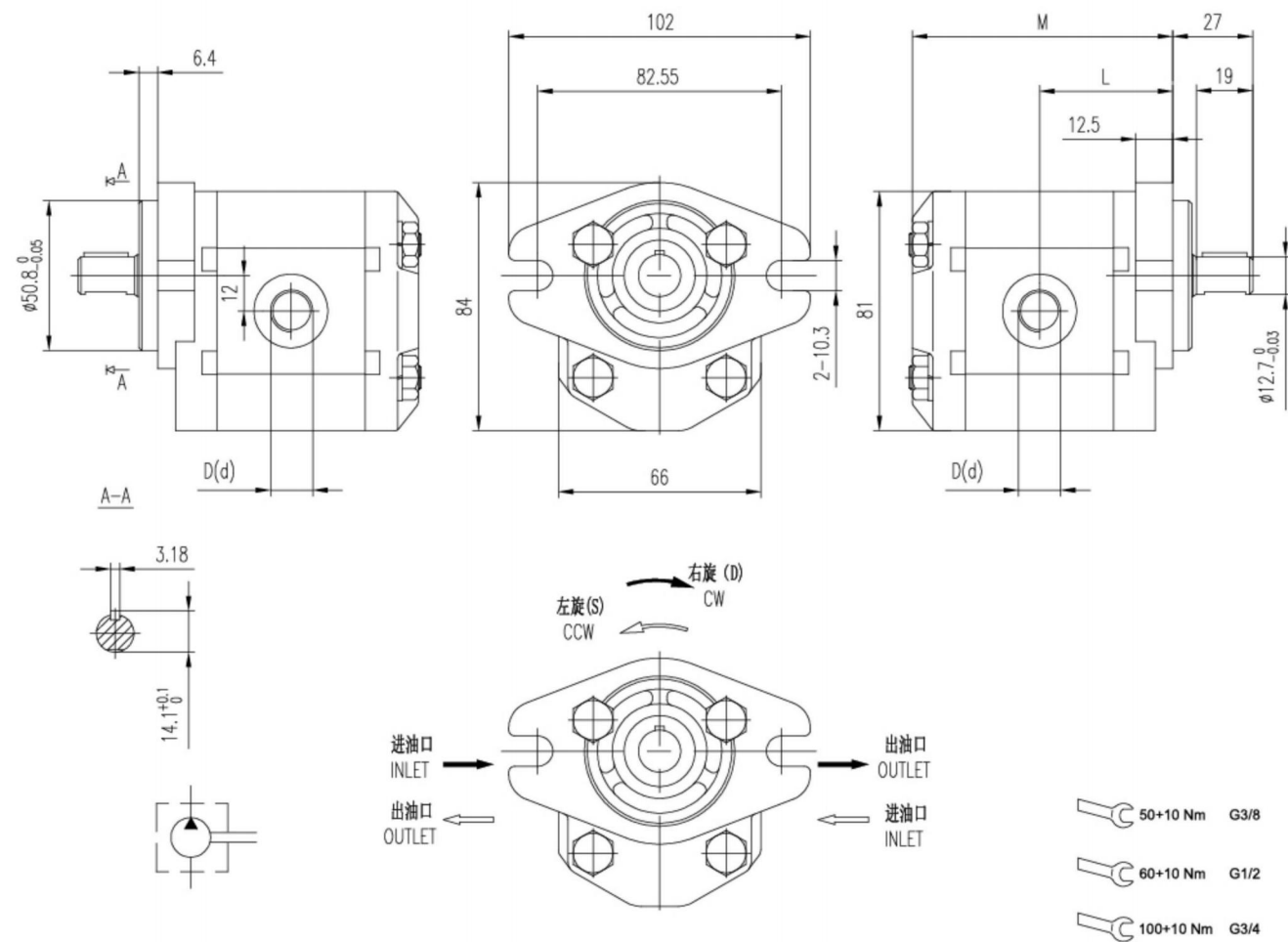


排量 Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Max. speed (r/min)	最低转速 Min. speed (r/min)	重量 Weight Kg	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
1.4	250	270	290	6000	800	1.80	80.5	40	E0	30	13	M6	30	13	M6
2.1	250	270	290	6000	800	1.835	82.5	41	E0	30	13	M6	30	13	M6
2.8	250	270	290	5000	800	1.87	84.5	42	E0	30	13	M6	30	13	M6
3.5	250	270	290	5000	800	1.905	86.5	43	E0	30	13	M6	30	13	M6
4.1	250	270	290	4000	800	1.94	88.5	44	E0	30	13	M6	30	13	M6
5.2	230	245	260	4000	800	2.02	91.5	45.5	E0	30	13	M6	30	13	M6
6.2	230	245	260	3800	800	2.1	94.5	47	E0	30	13	M6	30	13	M6
7.6	200	215	230	3200	600	2.17	98.5	49	E0	30	13	M6	30	13	M6
9.3	180	195	210	2600	600	2.25	103.5	51.5	E0	30	13	M6	30	13	M6
11.0	170	185	200	2200	600	2.345	108.5	54	E0	30	13	M6	30	13	M6
13.8	150	165	180	1800	600	2.485	116.5	58	E0	30	13	M6	30	13	M6

1.25系列/Group 1.25

1.25系列标准型产品尺寸/Group 1.25 Standard Product Dimensions

PAP1.25-A0-D-1.4-C0-L0

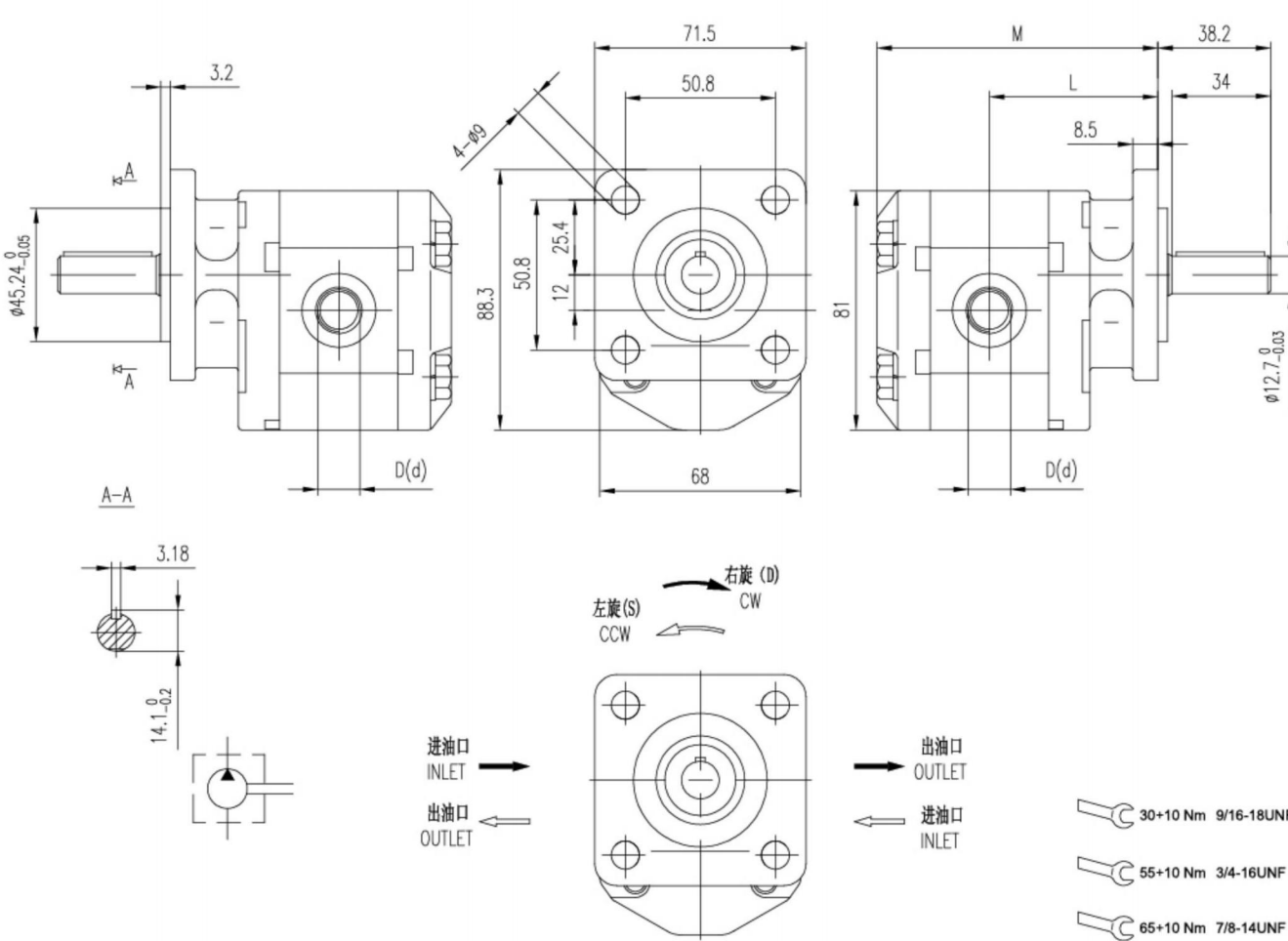


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.4	250	270	290	6000	800	1.80	82.5	42	L0	G1/2	G3/8
2.1	250	270	290	6000	800	1.835	84.5	43	L0	G1/2	G3/8
2.8	250	270	290	5000	800	1.87	86.5	44	L0	G1/2	G3/8
3.5	250	270	290	5000	800	1.905	88.5	45	L0	G1/2	G3/8
4.1	250	270	290	4000	800	1.94	90.5	46	L3	G3/4	G1/2
5.2	230	245	260	4000	800	2.02	93.5	47.5	L3	G3/4	G1/2
6.2	230	245	260	3800	800	2.1	96.5	49	L3	G3/4	G1/2
7.6	200	215	230	3200	600	2.17	100.5	51	L3	G3/4	G1/2
9.3	180	195	210	2600	600	2.25	105.5	53.5	L3	G3/4	G1/2
11.0	170	185	200	2200	600	2.345	110.5	56	L3	G3/4	G1/2
13.8	150	165	180	1800	600	2.485	118.5	60	L3	G3/4	G1/2

1.25系列/Group 1.25

1.25系列标准型产品尺寸/Group 1.25 Standard Product Dimensions

PHP1.25-Q0-D-1.4-C2-U0

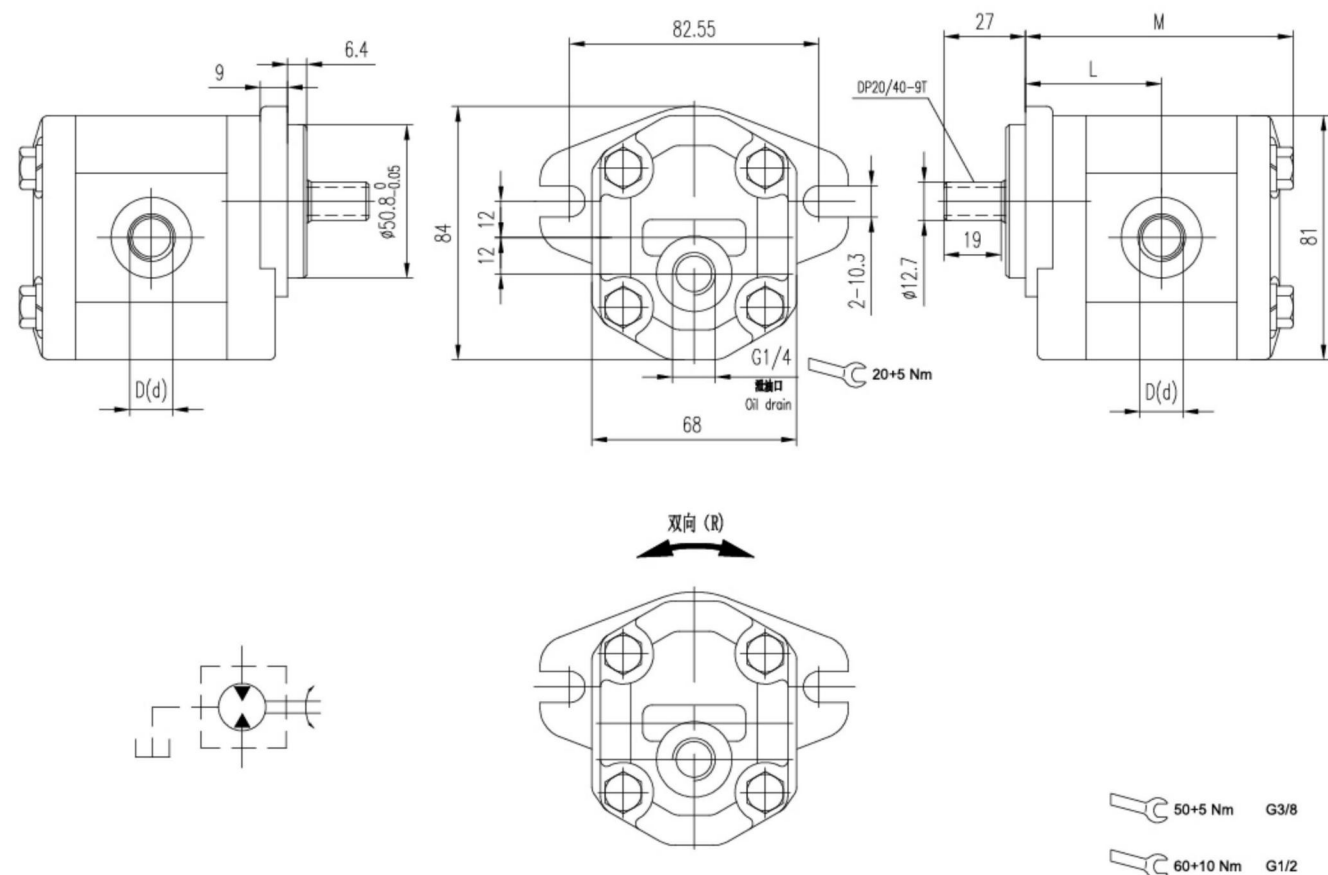


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.4	250	270	290	6000	800	1.90	98	59	U0	3/4-16UNF	9/16-18UNF
2.1	250	270	290	6000	800	1.94	100	60	U0	3/4-16UNF	9/16-18UNF
2.8	250	270	290	5000	800	1.97	102	61	U0	3/4-16UNF	9/16-18UNF
3.5	250	270	290	5000	800	2.01	104	62	U0	3/4-16UNF	9/16-18UNF
4.1	250	270	290	4000	800	2.04	106	63	U0	3/4-16UNF	9/16-18UNF
5.2	230	245	260	4000	800	2.15	109	64.5	U0	3/4-16UNF	9/16-18UNF
6.2	230	245	260	3800	800	2.2	112	66	U0	3/4-16UNF	9/16-18UNF
7.6	200	215	230	3200	600	2.27	116	68	U1	7/8-14UNF	3/4-16UNF
9.3	180	195	210	2600	600	2.35	121	70.5	U1	7/8-14UNF	3/4-16UNF
11.0	170	185	200	2200	600	2.45	126	73	U1	7/8-14UNF	3/4-16UNF
13.8	150	165	180	1800	600	2.6	134	77	U1	7/8-14UNF	3/4-16UNF

1.25系列/Group 1.25

1.25系列标准型产品尺寸/Group 1.25 Standard Product Dimensions

PHM1.25-A0-R-1.4-S0-L2

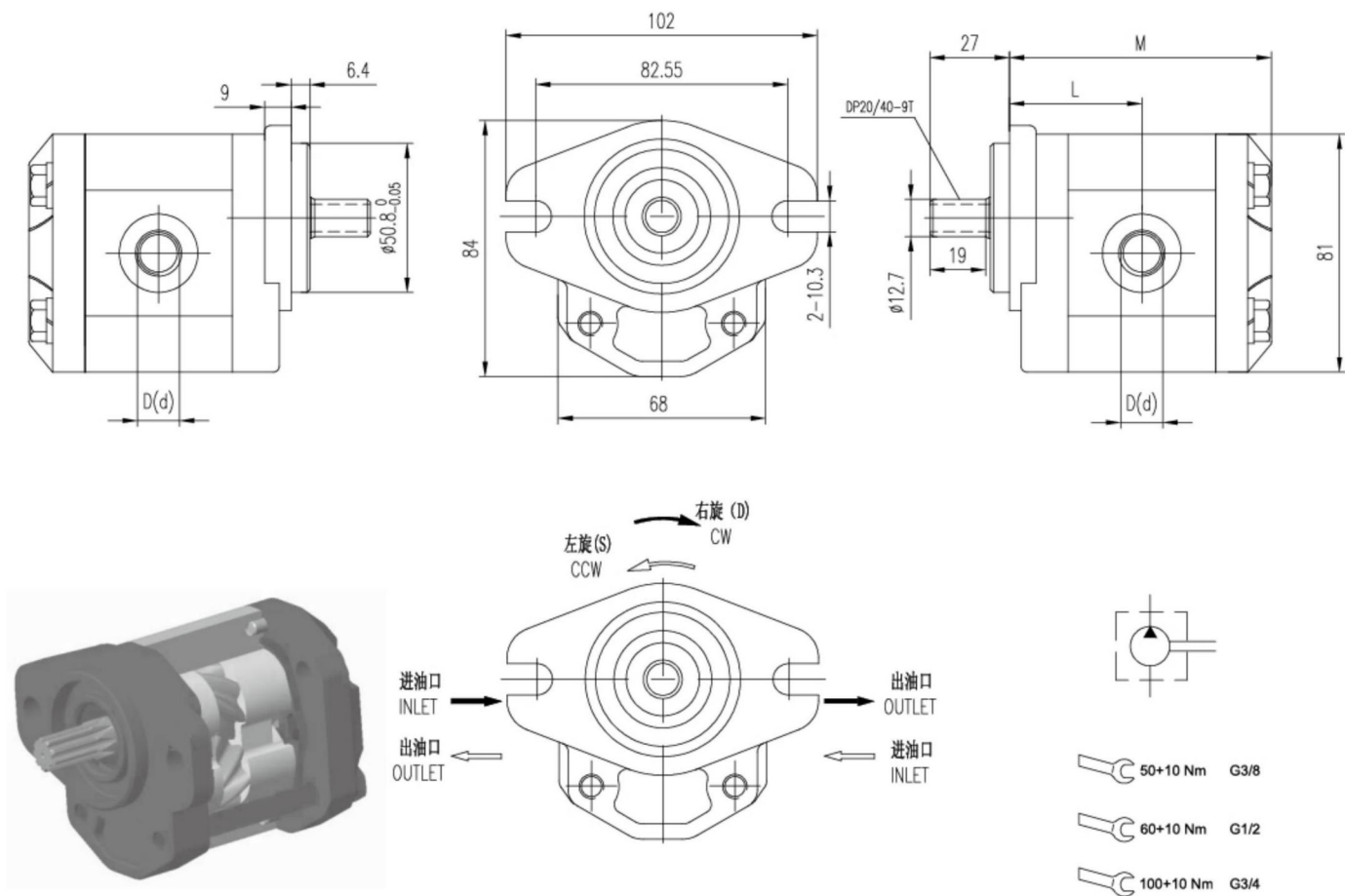


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.4	250	270	290	6000	800	1.80	82.5	42	L2	G3/8	G3/8
2.1	250	270	290	6000	800	1.835	84.5	43	L2	G3/8	G3/8
2.8	250	270	290	5000	800	1.87	86.5	44	L2	G3/8	G3/8
3.5	250	270	290	5000	800	1.905	88.5	45	L2	G3/8	G3/8
4.1	250	270	290	4000	800	1.94	90.5	46	L1	G1/2	G1/2
5.2	230	245	260	4000	800	2.02	93.5	47.5	L1	G1/2	G1/2
6.2	230	245	260	3800	800	2.1	96.5	49	L1	G1/2	G1/2
7.6	200	215	230	3200	600	2.17	100.5	51	L1	G1/2	G1/2
9.3	180	195	210	2600	600	2.25	105.5	53.5	L1	G1/2	G1/2
11.0	170	185	200	2200	600	2.345	110.5	56	L1	G1/2	G1/2
13.8	150	165	180	1800	600	2.485	118.5	60	L1	G1/2	G1/2

1.25系列/Group 1.25

1.25Y系列标准型产品尺寸/Group 1.25Y Standard Product Dimensions

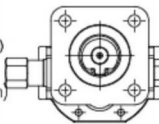
PHP1.25Y-A0-D-1.4-S0-L0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
2.8	250	270	290	4000	400	1.92	91	44	L0	G1/2	G3/8
3.5	250	270	290	4000	400	1.95	93	45	L0	G1/2	G3/8
4.1	250	270	290	3800	200	1.99	94.6	45.8	L3	G3/4	G1/2
5.2	230	245	260	3800	200	2.3	97.7	47.4	L3	G3/4	G1/2
6.2	230	245	260	3800	200	2.5	100.6	48.8	L3	G3/4	G1/2
7.6	200	215	230	3200	200	2.8	104.4	50.7	L3	G3/4	G1/2
9.3	180	195	210	2600	200	3.0	109.2	53.1	L3	G3/4	G1/2
11.0	170	185	200	2200	200	3.2	114	55.5	L3	G3/4	G1/2
13.8	150	165	180	1800	200	3.4	121.8	59.4	L3	G3/4	G1/2

1.3系列/Group 1.3

1.3系列选型规则/Group 1.3 Ordering Code Rules

P	H	P	1.3	Q0	D	1.88	G0	U0	省略/omit	省略/omit	省略/omit																		
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other																		
H	前盖材料 为铸铁 Front cover material cast iron	P 泵 Pump	1.3 1.3系列 Group 1.3		D 顺时针转 Clockwise S 逆时针转 Counter clockwise	1.88 2.1 2.6 3.18 3.6 4.2 4.89 7.81 9.68					特殊设计 special designing																		
<table><tr><th colspan="3">可选项 Options</th></tr><tr><td colspan="3">省略-温度范围在-10℃~+80℃, 进口最高绝对压力为0bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.</td></tr><tr><td>V</td><td colspan="2">适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.</td></tr><tr><td>H</td><td colspan="2">适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.</td></tr><tr><td>N</td><td colspan="2">适用于进口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.</td></tr><tr><td colspan="3">如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.</td></tr></table>												可选项 Options			省略-温度范围在-10℃~+80℃, 进口最高绝对压力为0bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.			V	适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.		H	适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.		N	适用于进口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.		如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.		
可选项 Options																													
省略-温度范围在-10℃~+80℃, 进口最高绝对压力为0bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.																													
V	适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.																												
H	适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.																												
N	适用于进口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.																												
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.																													
前盖 Front cover				轴伸 Shaft			泵体油口 Ports																						
Q0 方形前盖 (止口Φ45.24) Square front cover (centering Φ45.24mm) 				G0 扁平轴 Tang shaft 			U 美制管螺纹 (UNF-2B) UNF thread 																						
				C0 平键轴 Straight keyed 																									
详见 68 页 See page 68 for details				详见 68 页 See page 68 for details			详见 68 页 See page 68 for details																						

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

1.3系列/Group 1.3

1.3系列标准型产品概览/Group 1.3 Standard Product Overview

型式 type	
页码 page	69

1.3系列排量参数表/Group 1.3 Displacement parameter table

排量 Displacement	V	cm ³ /rev	1.88	2.1	2.6	3.18	3.6	4.2	4.89	7.81	9.68
溢流压力 Overflow pressure	Pe	bar	40...200								
最高连续压力 Max. continuous pressure	P1		120								80
最高间隙压力 Max. intermittent pressure	P2		175								140
最高峰值压力 Max. peak pressure	P3		220								160
最低转速 Min. speed	n _{Min}	r/min	1000								
最高转速 Max. speed	n _{Max}		3450								
容积效率 Volumetric efficiency	η _v	%	≥90	≥91				≥92			

1.3系列/Group 1.3

1.3系列噪音曲线表/Group 1.3 Noise Curve Table

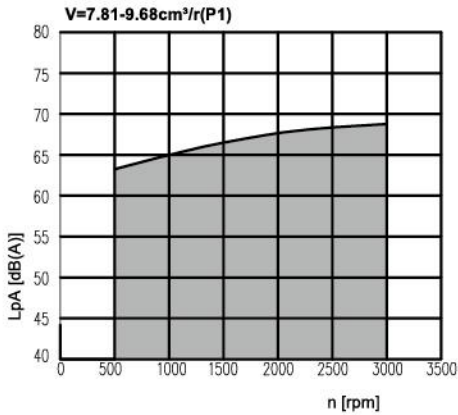
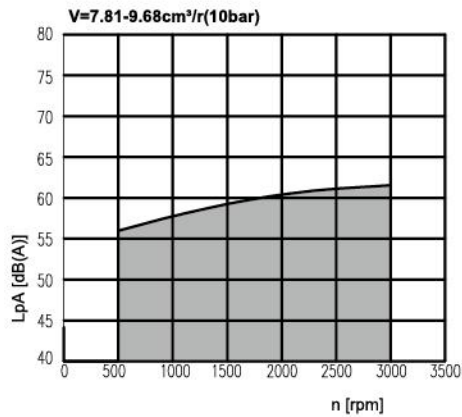
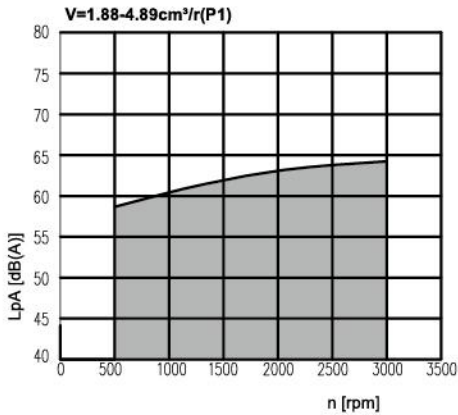
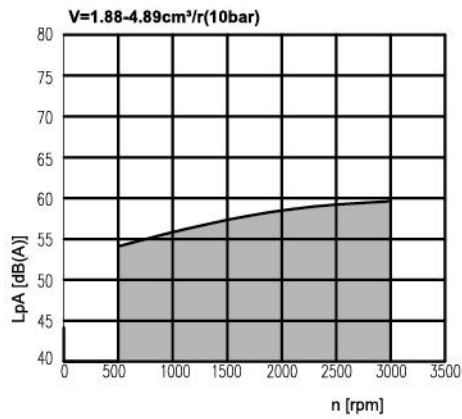
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range;This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\vartheta = 50^\circ\text{C}$.
Oil data: $V = 32\text{mm}^2/\text{s}$, $\theta=50^\circ\text{C}$.

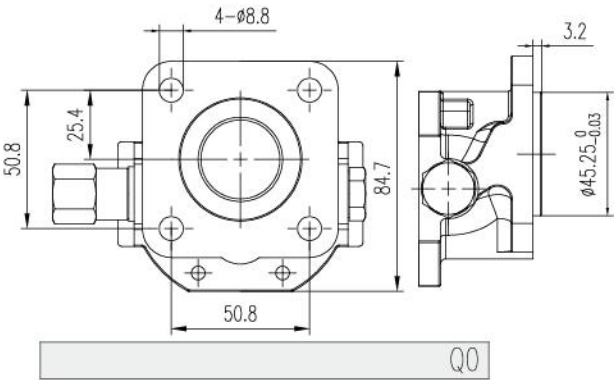
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

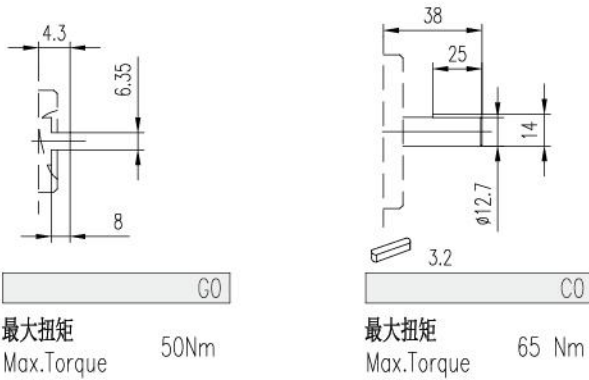


1.3系列/Group 1.3

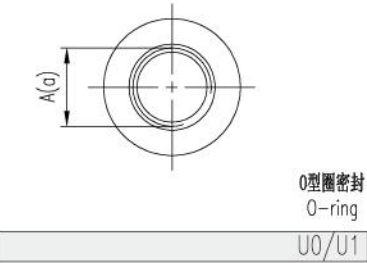
前盖/FRONT COVER



轴伸/SHAFTS



泵体油口/PORTS

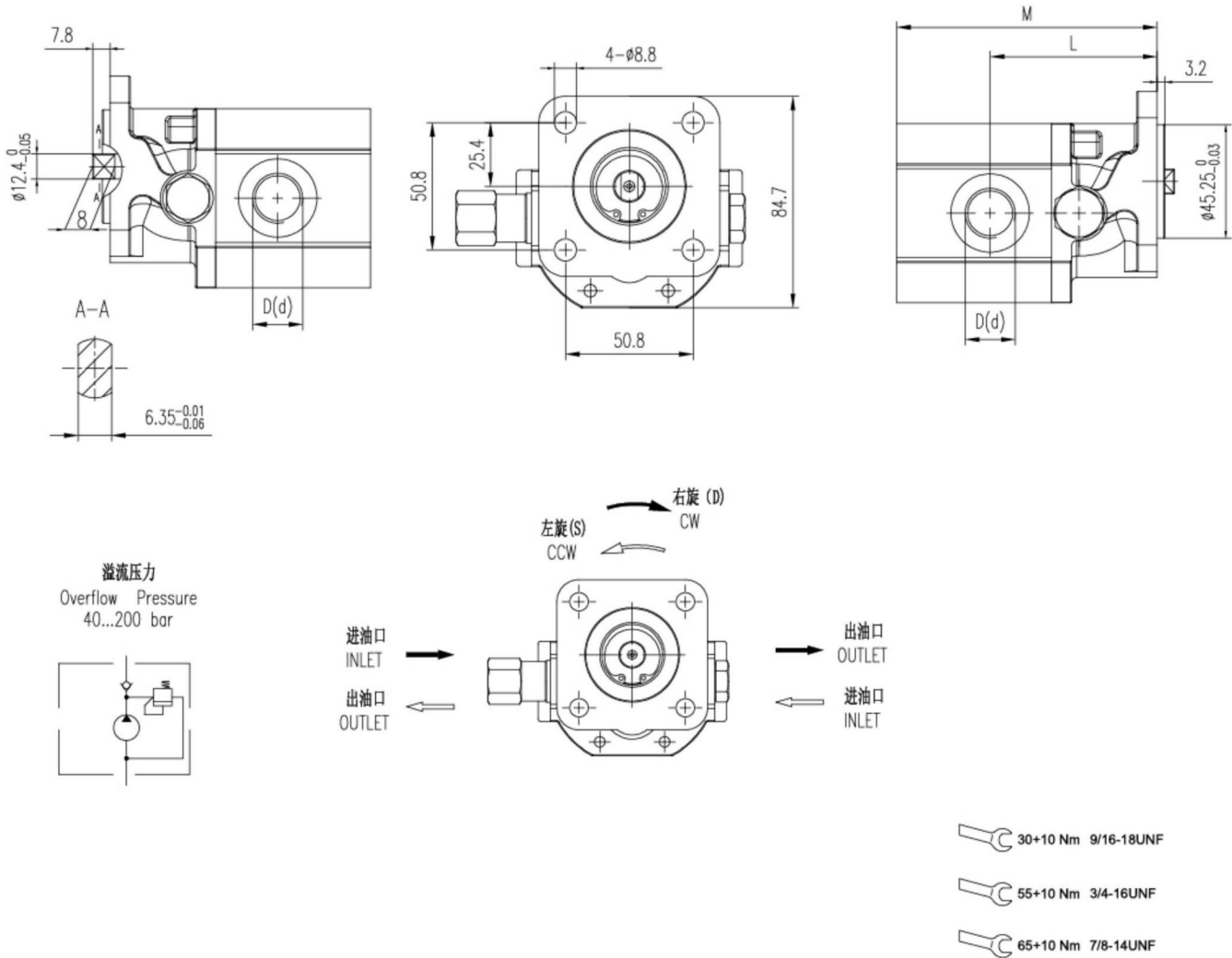


油口代号 PORTS CODE	排量 Displacement (cm^3/rev)	进油口 INLET A	出油口 OUTLET a
U0	1.88...4.89	3/4-16 UNF	9/16-18 UNF
U1	7.81...9.68	7/8-14 UNF	9/16-18 UNF

1.3系列/Group 1.3

1.3系列标准型产品尺寸/Group 1.3 Standard Product Dimensions

BHP1.3-Q0-D-1.88-G0-U0-YF3-P040



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm³/rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.88	120	175	220	3450	1000	1.7	86	57.5	U0	3/4-16UNF	9/16-18UNF
2.1	120	175	220	3450	1000	1.72	87	57.5	U0	3/4-16UNF	9/16-18UNF
2.6	120	175	220	3450	1000	1.75	88.5	64	U0	3/4-16UNF	9/16-18UNF
3.18	120	175	220	3450	1000	1.79	90.5	64	U0	3/4-16UNF	9/16-18UNF
3.6	120	175	220	3450	1000	1.81	92.2	64	U0	3/4-16UNF	9/16-18UNF
4.2	120	175	220	3450	1000	1.88	94.5	64	U0	3/4-16UNF	9/16-18UNF
4.89	120	175	220	3450	1000	1.92	96.5	64	U0	3/4-16UNF	9/16-18UNF
7.81	80	140	160	3450	1000	209	106.5	71	U1	7/8-14UNF	9/16-18UNF
9.68	80	140	160	3450	1000	2.21	113	71	U1	7/8-14UNF	9/16-18UNF

1.5系列/Group 1.5

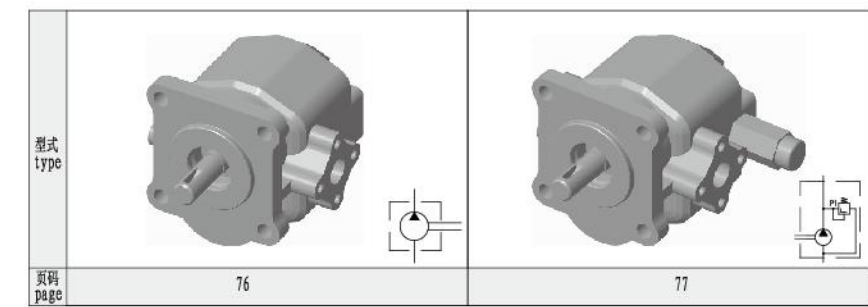
1.5系列选型规则/Group 1.5 Ordering Code Rules

P	A	P	1.5	Q0	D	2	C0	E0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1.5 1.5系列 Group1.5		D 顺时针转 Clockwise S 逆时针转 Counter clockwise	2 3 4 5 6 8 9 11 12					特殊设计 special designing
省略-温度范围在-10℃~+80℃，进油口最高绝对压力为7bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. 适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. 适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. 适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover			轴伸 Shaft			泵体油口 Ports			特殊结构 Special structure		
Q0 方形前盖（止口φ50.77） Square front cover (centering φ50.77mm)			T0 锥形键槽轴 1:8 Taper shaft 1:8			E 矩形法兰 Rectangular flange			省略-默认普通 omit-regular		
			C0 平键轴 Straight keyed						YF1 后盖带溢流阀 Back cover with relief valve		
详见 75 页 See page 75 for details			详见 75 页 See page 75 for details			详见 75 页 See page 75 for details			详见 75 页 See page 75 for details		

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1.5系列/Group 1.5

1.5系列标准型产品概览/Group 1.5 Standard Product Overview

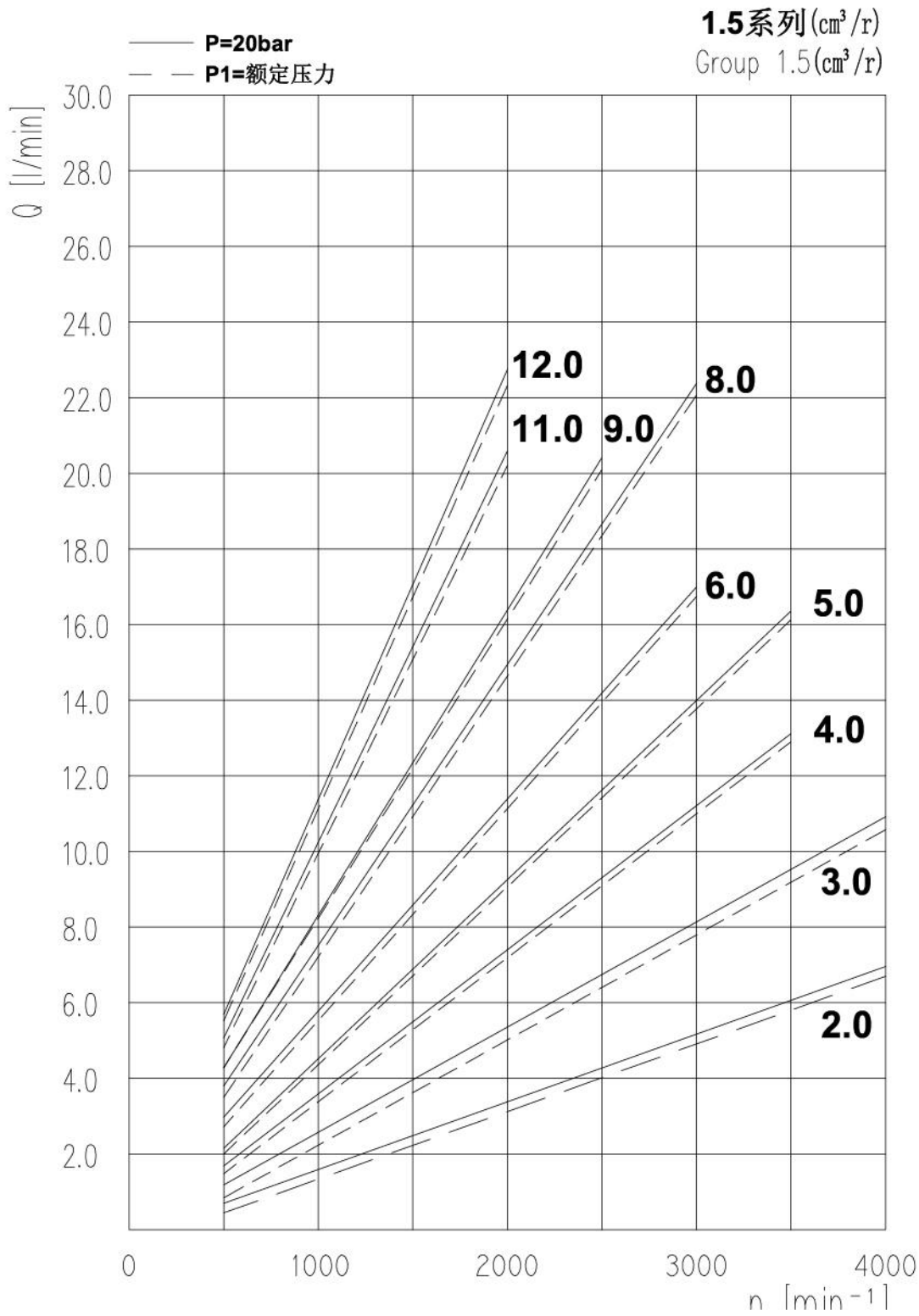


1.5系列排量参数表/Group 1.5 Displacement parameter table

排量 Displacement	V	cm ³ /rev	2	3	4	5	6	8	9	11	12
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3								
最高连续压力 Max. continuous pressure	P1		210						180		
最高间隙压力 Max. intermittent pressure	P2		230						200		
最高峰值压力 Max. peak pressure	P3		250						220		
最低转速 Min. speed	n _{Min}	r/min	900	850	800		700	600	550	500	
最高转速 Max. speed	n _{Max}		5000		4500	4000	3500	3000	2500	2000	
容积效率 Volumetric efficiency	η _v	%	>91				>92			>93	

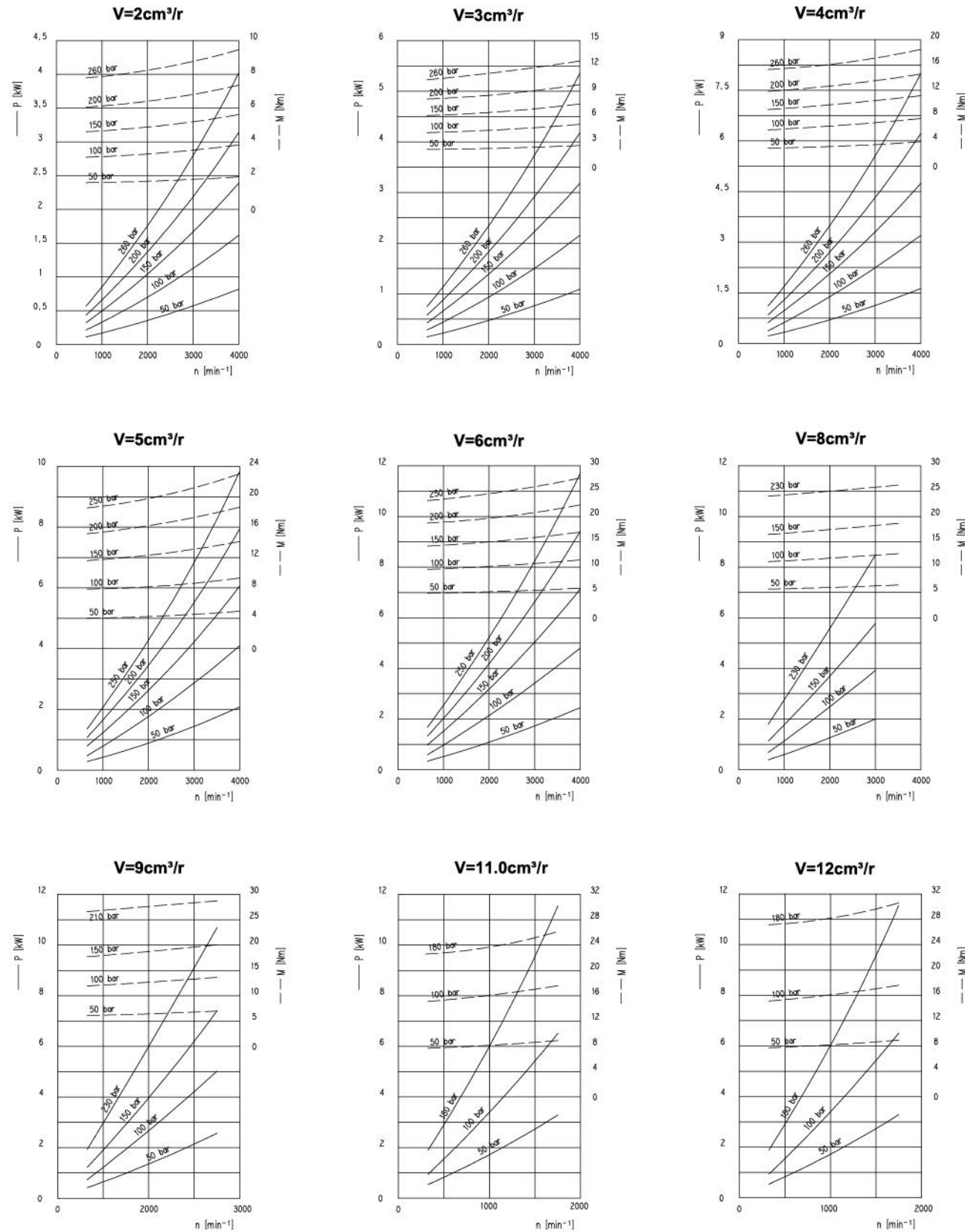
1.5系列/Group 1.5

1.5系列流量性能曲线表/Group 1.5 Flow Performance Curve Table



1.5系列/Group 1.5

1.5系列功率性能曲线表/Group 1.5 Power Performance Curve Table



1.5系列/Group 1.5

1.5系列噪音曲线表/Group 1.5 Noise Curve Table

噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。

The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

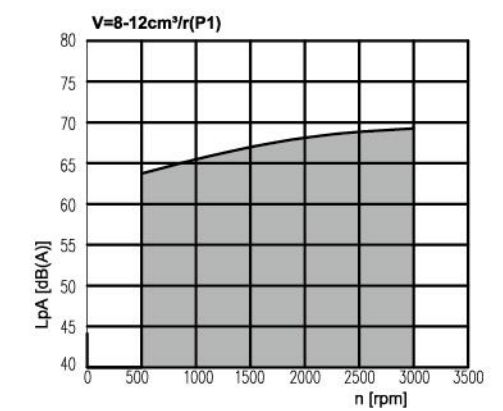
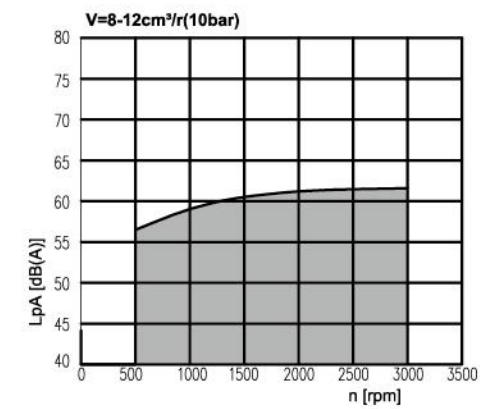
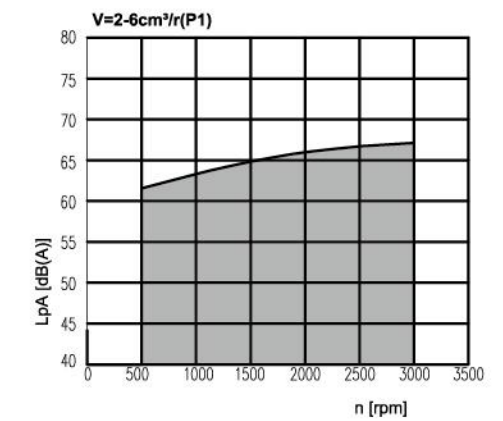
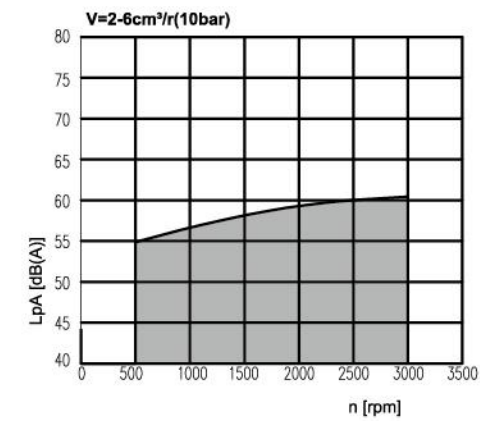
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。

The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。

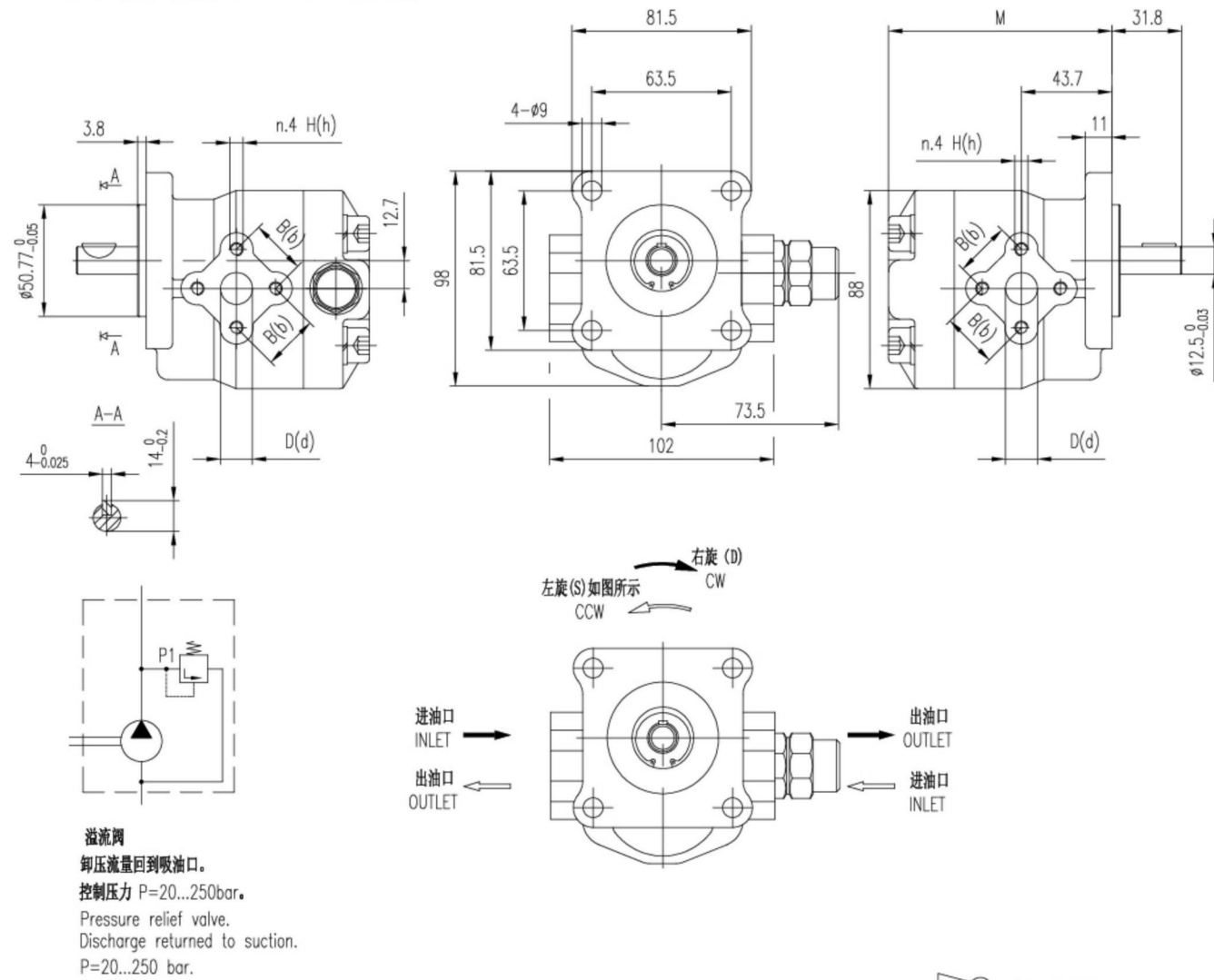
Distance between measuring sensor and hydraulic pump: 1m.



1.5系列/Group 1.5

1.5系列标准型产品尺寸/Group 1.5 Standard Product Dimensions

PAP1.5-Q0-D-2.0-CO-E0-YF1-P100



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3						B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm		mm	mm	mm	mm	mm	mm
2	210	230	250	5000	900	1.55	96.7	E0	25.2	14.5	M6	25.2	14.5	M6
3	210	230	250	5000	850	1.57	96.7	E0	25.2	14.5	M6	25.2	14.5	M6
4	210	230	250	4500	800	1.6	96.7	E0	25.2	14.5	M6	25.2	14.5	M6
5	210	230	250	4000	800	1.63	96.7	E0	25.2	14.5	M6	25.2	14.5	M6
6	210	230	250	3500	700	1.65	99.7	E0	25.2	14.5	M6	25.2	14.5	M6
8	210	230	250	3000	600	1.7	99.7	E0	25.2	14.5	M6	25.2	14.5	M6
9	180	200	220	2500	550	1.72	102.7	E0	25.2	14.5	M6	25.2	14.5	M6
11	180	200	220	2000	500	1.77	105.7	E0	25.2	14.5	M6	25.2	14.5	M6
12	180	200	220	2000	500	1.82	105.7	E0	25.2	14.5	M6	25.2	14.5	M6

2系列/Group 2

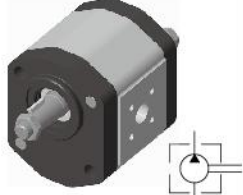
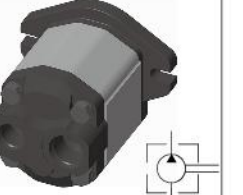
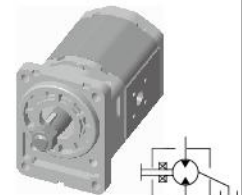
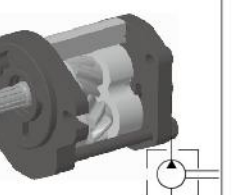
2系列选型规则/Group 2 Ordering Code Rules

P	A	P	2	B0	D	3	T0	E0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Motor	2 2系列 Group 2		D 顺时针 Clockwise S 逆时针 Counter clockwise R 可正反转 Reversible	3 4 6 8 10 12 14 16 18 20 22 25 28 30					特殊设计 special designing
H	前、后盖材料为铸铝，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers		2Y 2Y系列 Group 2Y								
可选项 Options 省略-温度范围在-10℃~+80℃，进口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高黏介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低黏介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力为10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover			轴伸 Shaft			泵体油口 Ports			特殊结构 Special structure		
A0	菱形前盖 (止口 $\phi 82.55$) Diamond front cover (centering $\phi 82.55$ mm)		T0	锥形键槽轴 1:8 Taper shaft 1:8		E	矩形法兰 Rectangular flange		省略-默认普通 omit-regular		
B0	方形前盖 (止口 $\phi 36.5$) Square front cover (centering $\phi 36.5$ mm)		T1	锥形键槽轴 1:5 Taper shaft 1:5		F	矩形法兰 Rectangular flange		Q	后盖带泄油口 Back cover with oil drain	
B1	方形前盖 (止口 $\phi 38$) Square front cover (centering $\phi 38$ mm)		C0	平键轴 straight keyed		F	矩形法兰 Split flange		—	后盖带进出口 Back cover with inlet and outlet	
B2	方形前盖 (止口 $\phi 80$) Square front cover (centering $\phi 80$ mm)		G0	扁平轴 Tang shaft		Z	公制螺纹 (M) Metric thread		DFO	后盖带单向阀 Back cover with one-way valve	
			G1	扁平轴 Tang shaft		L	英制管螺纹 (G) Gas thread		YFO	后盖带溢流阀 Back cover with relief valve	
Q0	方形前盖 (止口 $\phi 50$) Square front cover (centering $\phi 50$ mm)		H0	矩形花键轴 Rectangle spline shaft JL 4-15x11.4x4		U	美制管螺纹 (UNF-2B) UNF thread		HFA	后盖带恒流阀 Back cover with constant flow valve	
Q2	方形前盖 (止口 $\phi 52$), O-RING Square front cover (centering $\phi 52$ mm), O-RING		S0	SAE花键轴 SAE spline shaft DP16/32-30'-9T		R	英制锥螺纹 (PT) PT thread				
			S1	SAE花键轴 SAE spline shaft DP16/32-30'-11T		N	美制锥螺纹 (NPT) NPT thread				
			S8	SAE花键轴 SAE spline shaft DP16/32-30'-10T		X	泵体无油口 Body without ports				
详见 84 页 See page 84 for details			详见 85 页 See page 85 for details			详见 86-87 页 See page 86-87 for details			详见 88 页 See page 88 for details		

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2系列/Group 2

2系列标准型产品概览/Group 2 Standard Product Overview

型式 type				
页码 page	89	90	91	92
型式 type				
页码 page	93	94	95	96
型式 type				
页码 page	97	98	99	100

2系列排量参数表/Group 2 Displacement parameter table

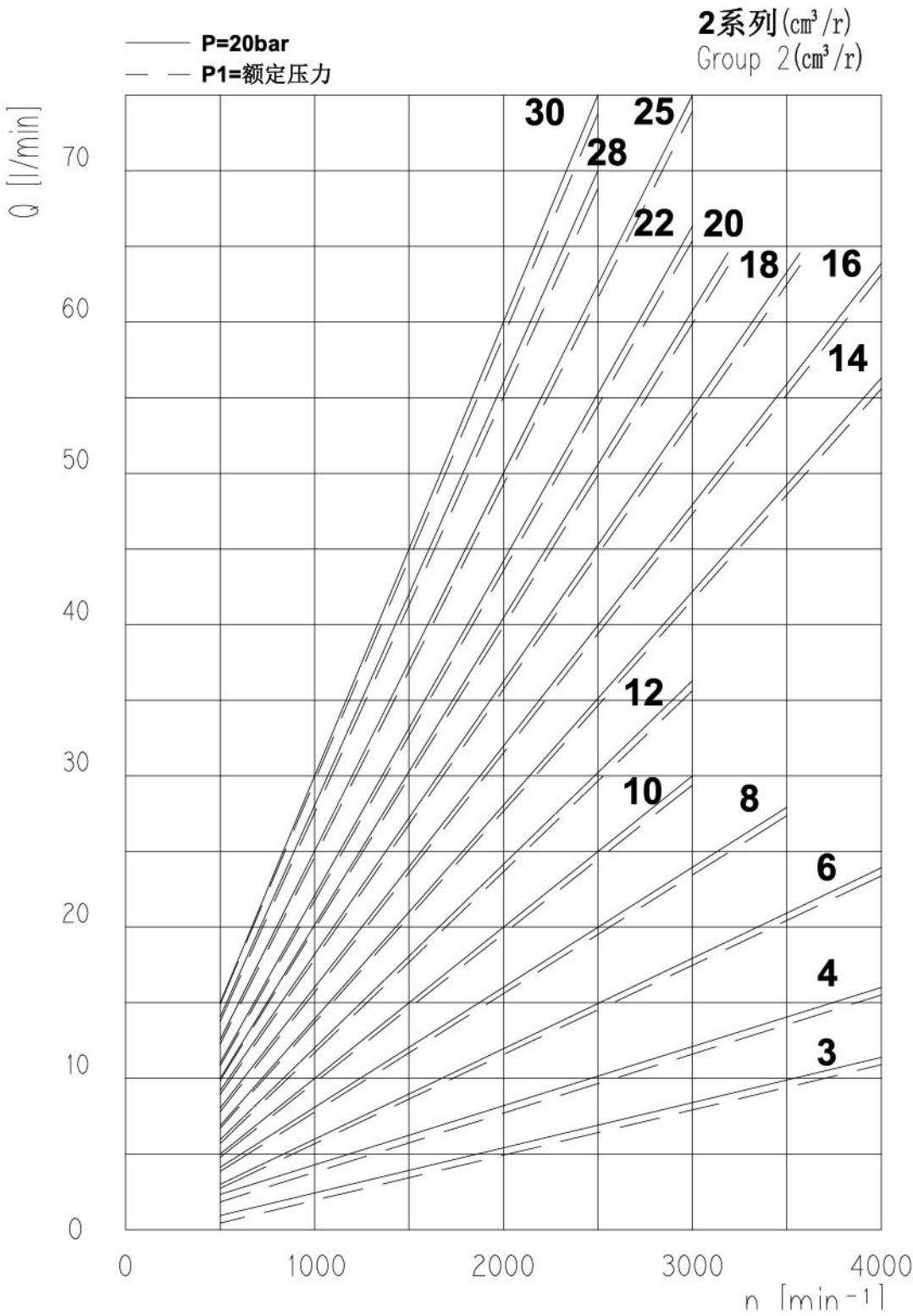
排量 Displacement	V	cm ³ /rev	3	4	6	8	10	12	14	16	18	20	22	25	28	30	
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3														
最高连续压力 Max. continuous pressure	P1		270				250				220			200		180	160
最高间隙压力 Max. intermittent pressure	P2		285				265				235			215		190	170
最高峰值压力 Max. peak pressure	P3		300				280				250			230		200	180
最低转速 Min. speed	Π _{min}	r/min	800	600		500				400							
最高转速 Max. speed	Π _{max}		4000		3500				3200				3000		2500		
容积效率 Volumetric efficiency	η _v	%	≥91				≥92				≥93			≥95			

2Y系列排量参数表/Group 2Y Displacement parameter table

排量 Displacement	V	cm³/rev	6	8	10	12	14	16	18	20	22	25	28	30	
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3												
最高连续压力 Max. continuous pressure	P1		270			250			220			200		180	160
最高间隙压力 Max. intermittent pressure	P2		285			265			235			215		190	170
最高峰值压力 Max. peak pressure	P3		300			280			250			230		200	180
最低转速 Min. speed	Π _{Min}		r/min	250	200				150						
最高转速 Max. speed	Π _{Max}	3500				3200				3000			2500		
容积效率 Volumetric efficiency	Π _v	%	≥93		≥95				≥96						

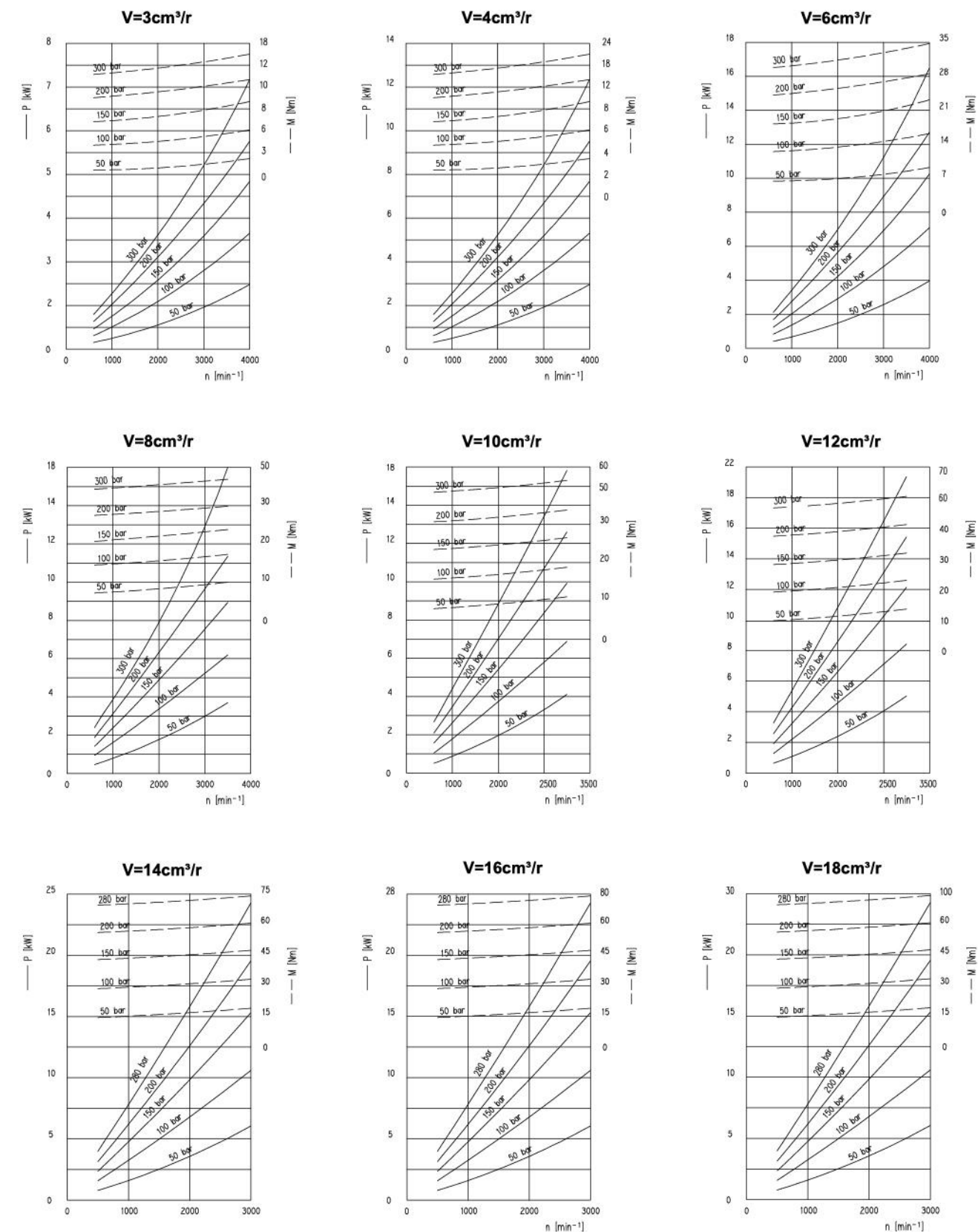
2系列/Group 2

2系列流量性能曲线表/Group 2 Flow Performance Curve Table



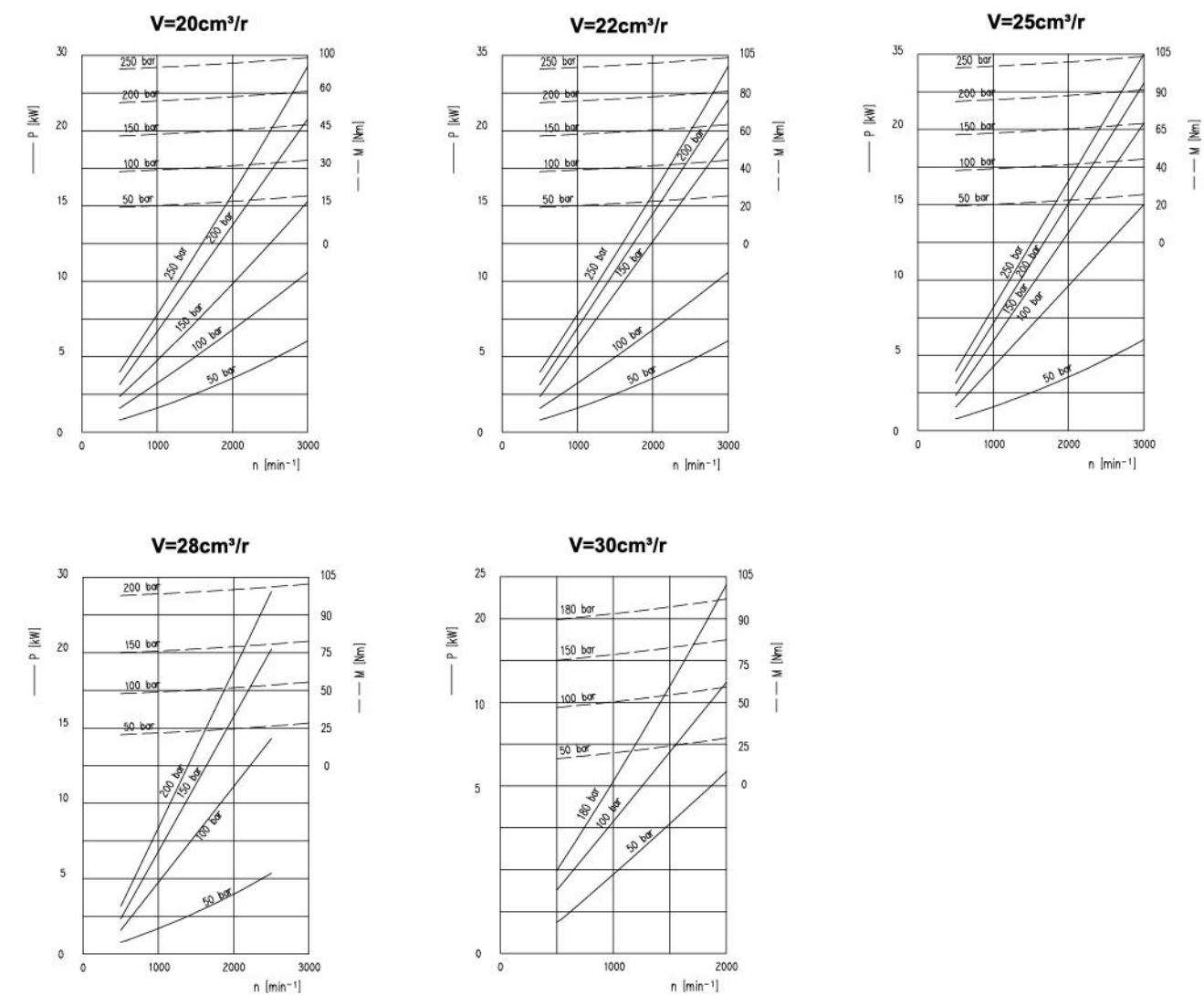
2系列/Group 2

2系列功率性能曲线表/Group 2 Power Performance Curve Table



2系列/Group 2

2系列功率性能曲线表/Group 2 Power Performance Curve Table



2系列/Group 2

2系列噪音曲线表/Group 2 Noise Curve Table

噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。

The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

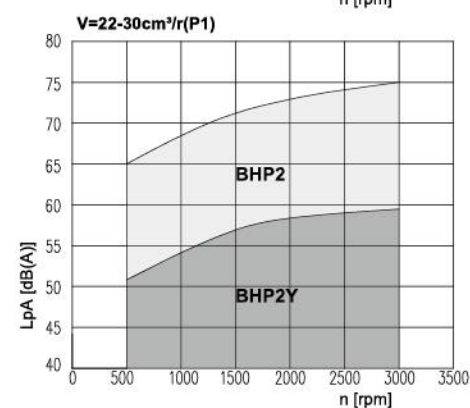
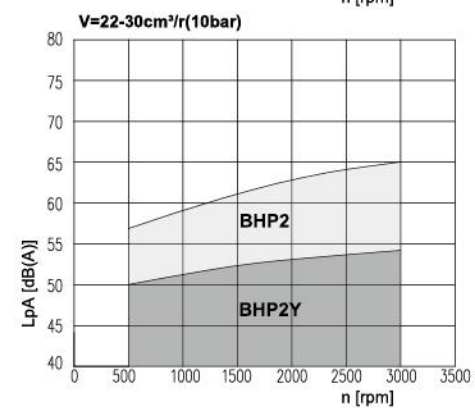
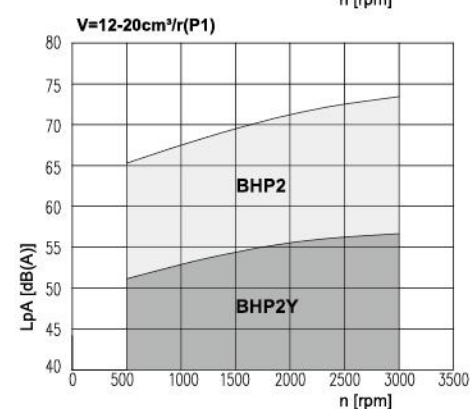
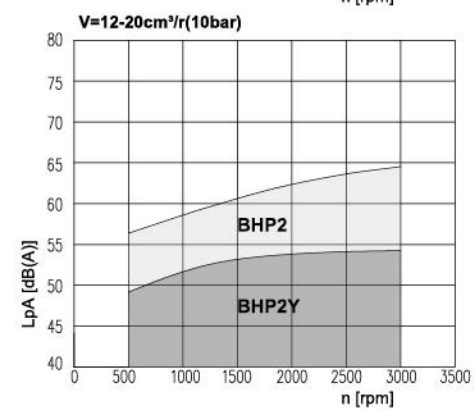
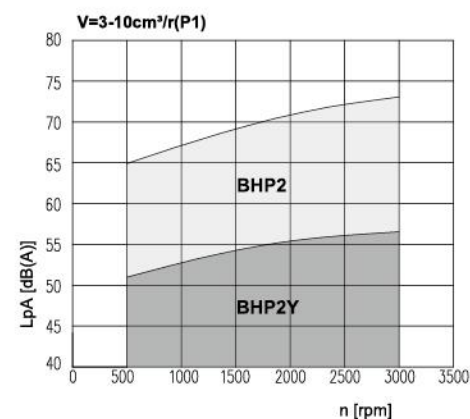
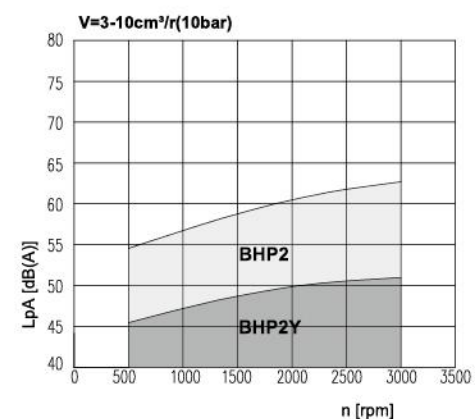
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。

The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

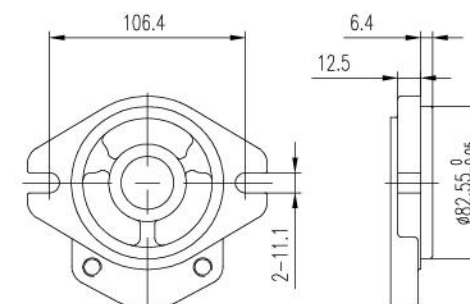
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.

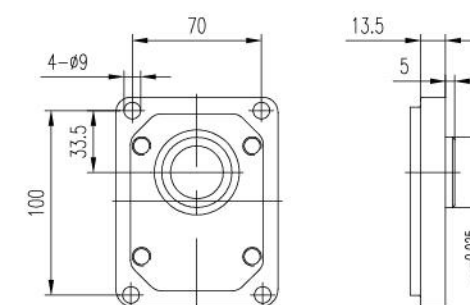


2系列/Group 2

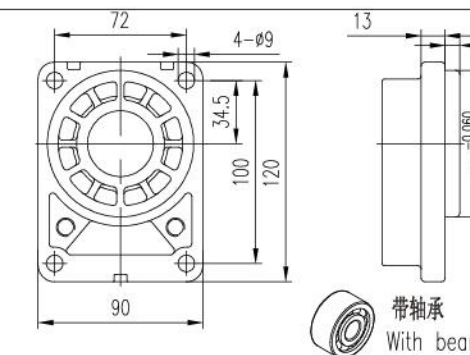
前盖/FRONT COVER



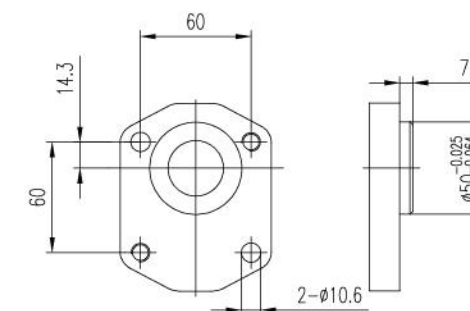
A0



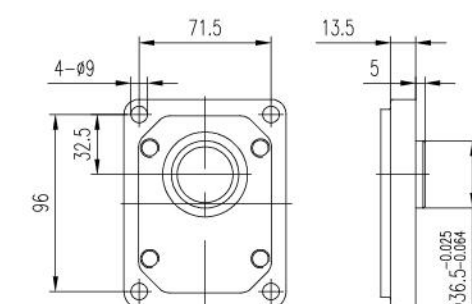
B1



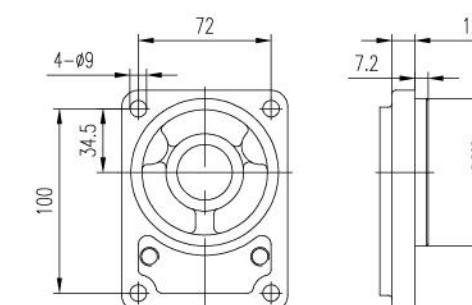
B3



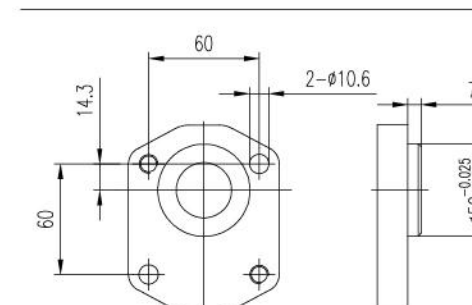
Q1



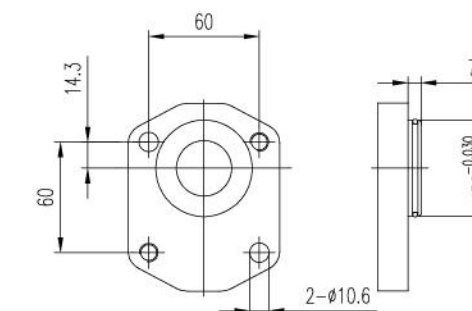
B0



B2



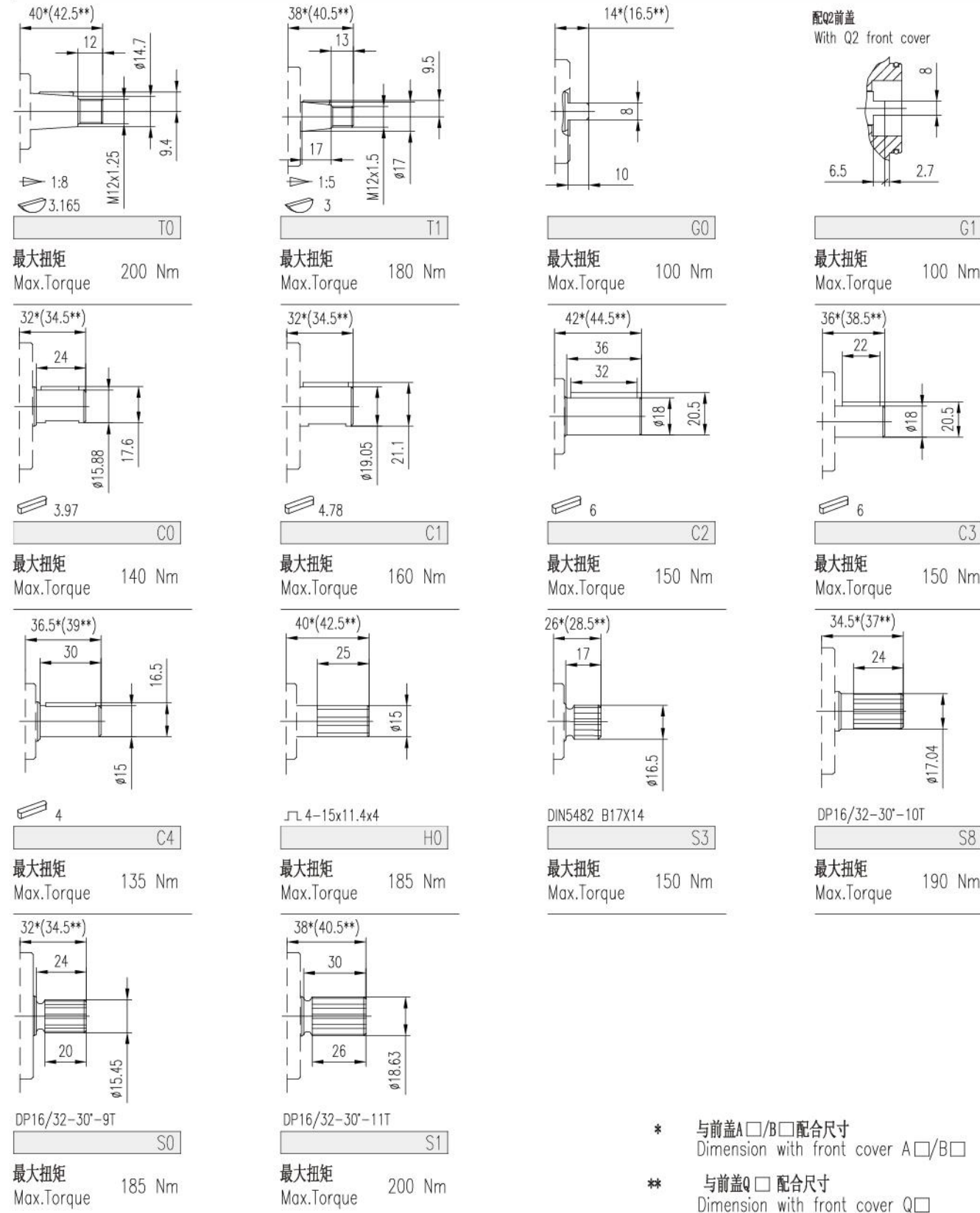
Q0



Q2

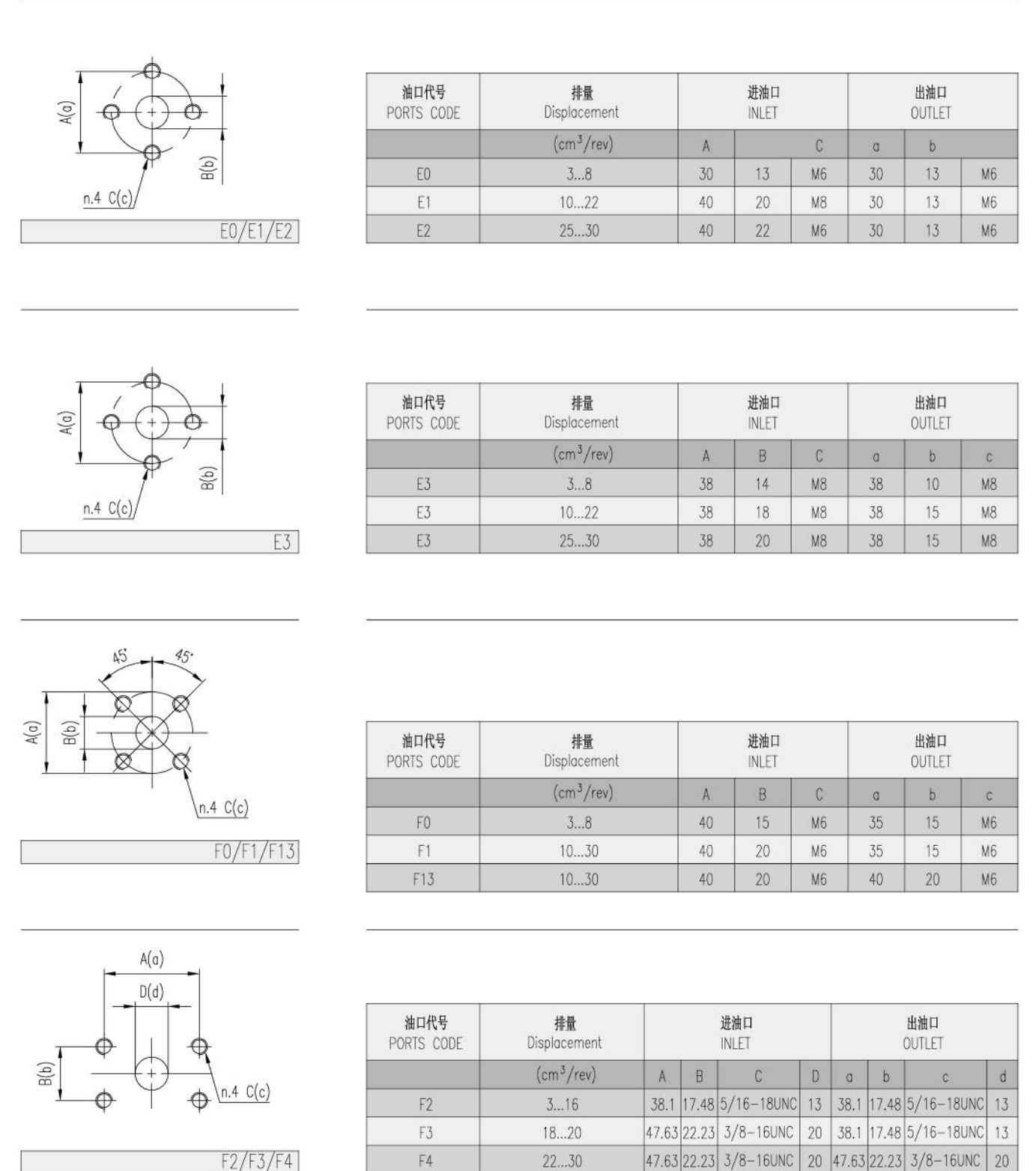
2系列/Group 2

轴伸/SHAFTS



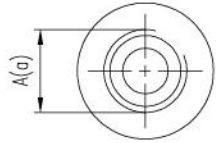
2系列/Group 2

泵体油口/PORTS



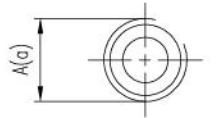
2系列/Group 2

泵体油口/PORTS



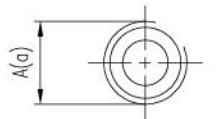
L0/L1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	3...6	G1/2	G1/2
L1	8...30	G3/4	G1/2



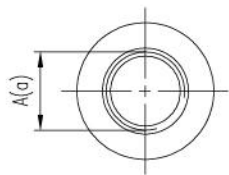
R0/R1/R2

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
R0	3...12	PT1/2	PT1/2
R1	14...25	PT3/4	PT1/2
R2	28...30	PT 1	PT3/4



Z0/Z1/Z3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	3...12	M14X1.5	M14X1.5
Z1	14...25	M20X1.5	M18X1.5
Z3	28...30	M24X1.5	M22X1.5



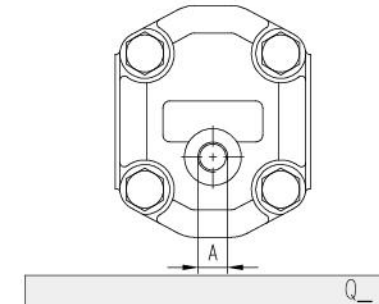
O型圈密封
O-ring

U0/U1

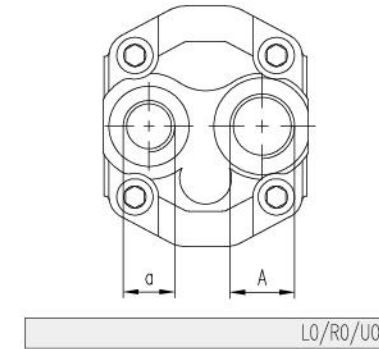
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	3...28	1 1/16-12 UNF	7/8-14 UNF
U1	30	1 5/16-12 UNF	7/8-14 UNF

2系列/Group 2

特殊结构/SPECIAL STRUCTRE

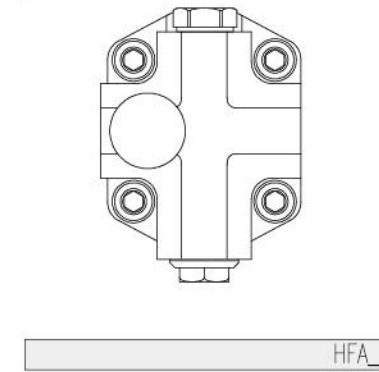


代号 CODE	泄油口 oil drain
A	A
Q1	G1/4
Q2	9/16-18UNF



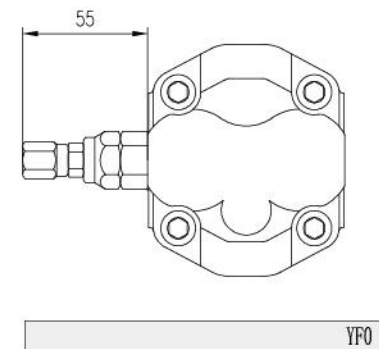
L0/R0/U0

代号 CODE	进油口 INLET	出油口 OUTLET
A	A	a
L0	G1/2	G1/2
R0	PT1/2	PT1/2
U0	1 1/16-12UNF	7/8-14UNF



HFA

代号 CODE	油口 LET	油口位置 Oil port position
HFAC19T	M18*1.5	进油口同侧 Same side of oil inlet
HFAC19F	M18*1.5	进油口反侧 Opposite side of oil inlet



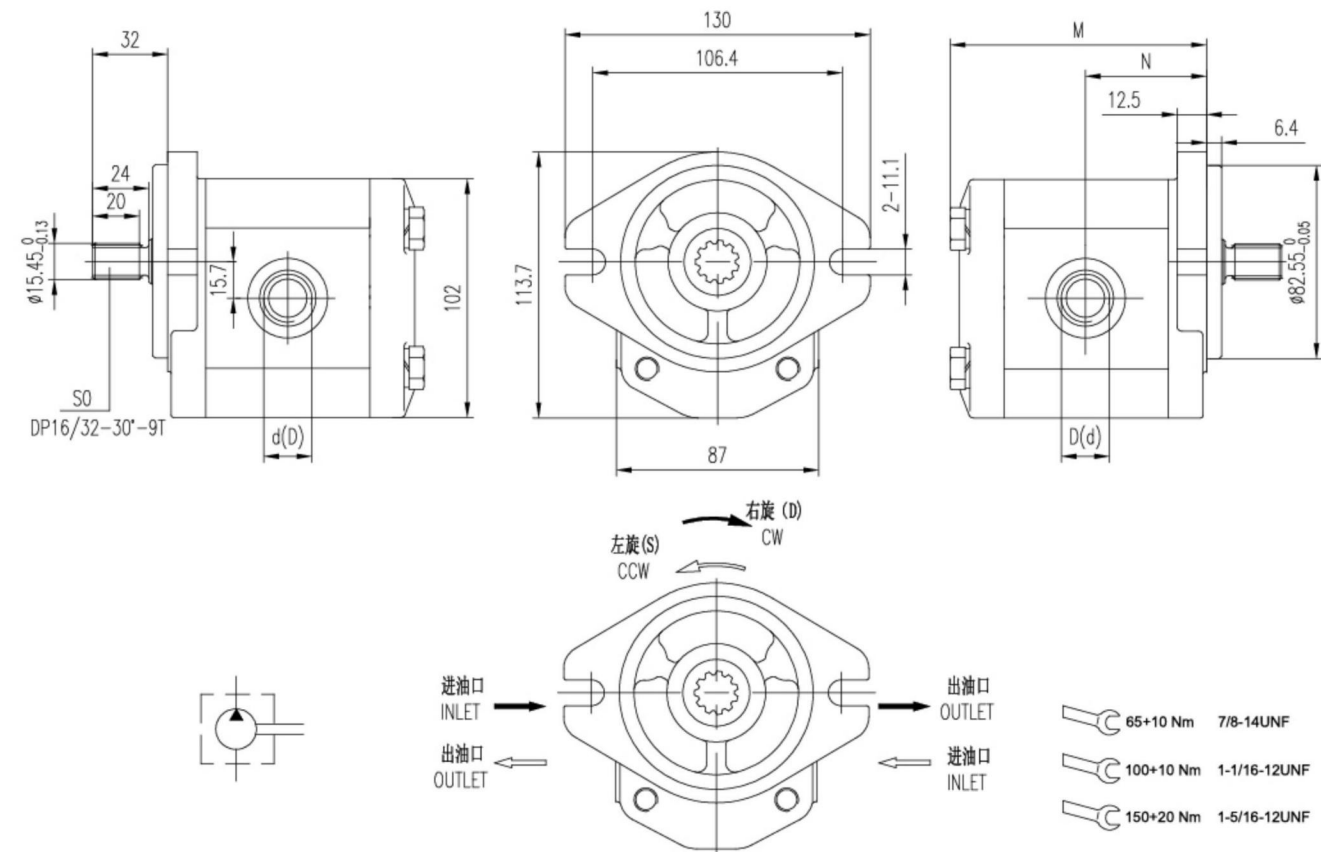
YF0

代号 CODE	溢流阀调压范围 Pressure regulating range of overflow valve
YF0	20...250(bar)

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-A0-**D**-**3**-S0-**U0**

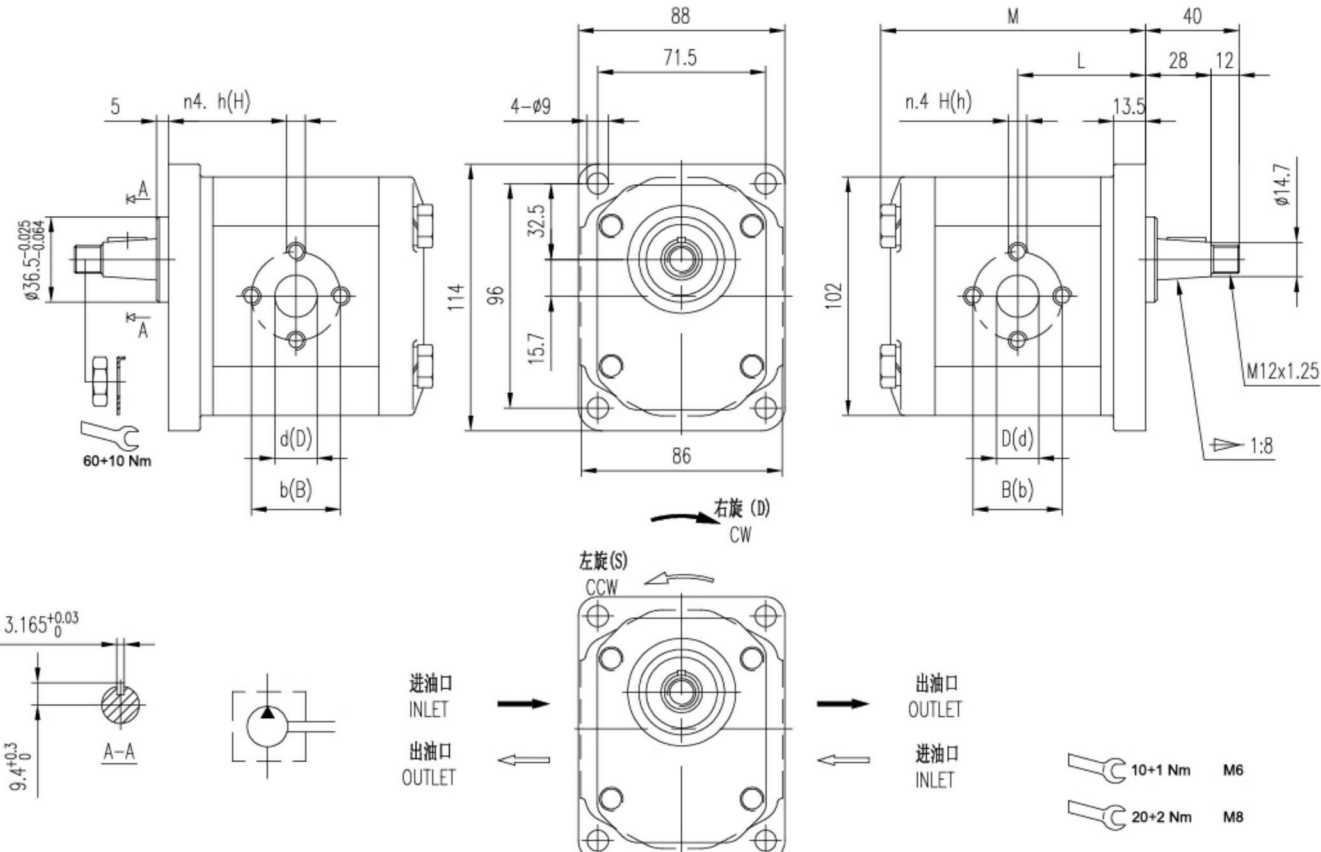


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET
	P1	P2	P3				M	L		D	d	
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm				
3	270	285	300	4000	800	3.35	91.1	43.6	U0	1 1/16-12UNF	7/8-14UNF	
4	270	285	300	4000	600	3.4	92.7	44.4	U0	1 1/16-12UNF	7/8-14UNF	
6	270	285	300	4000	600	3.5	96	46	U0	1 1/16-12UNF	7/8-14UNF	
8	270	285	300	3500	500	3.6	99.3	47.7	U0	1 1/16-12UNF	7/8-14UNF	
10	270	285	300	3500	500	3.7	102.6	49.3	U0	1 1/16-12UNF	7/8-14UNF	
12	270	285	300	3500	500	3.8	105.9	51	U0	1 1/16-12UNF	7/8-14UNF	
14	250	265	280	3500	500	3.9	109.3	52.7	U0	1 1/16-12UNF	7/8-14UNF	
16	250	265	280	3500	500	4.0	112.7	54.4	U0	1 1/16-12UNF	7/8-14UNF	
18	250	265	280	3200	400	4.1	116	56	U0	1 1/16-12UNF	7/8-14UNF	
20	220	235	250	3200	400	4.2	119.3	57.7	U0	1 1/16-12UNF	7/8-14UNF	
22	220	235	250	3000	400	4.3	122.6	59.3	U0	1 1/16-12UNF	7/8-14UNF	
25	200	215	230	3000	400	4.45	127.6	61.8	U0	1 1/16-12UNF	7/8-14UNF	
28	180	190	200	2500	400	4.6	132.6	64.3	U0	1 1/16-12UNF	7/8-14UNF	
30	160	170	180	2500	400	4.7	135.9	66	U1	1 5/16-12UNF	7/8-14UNF	

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-B0-**D**-**3**-T0-**E0**

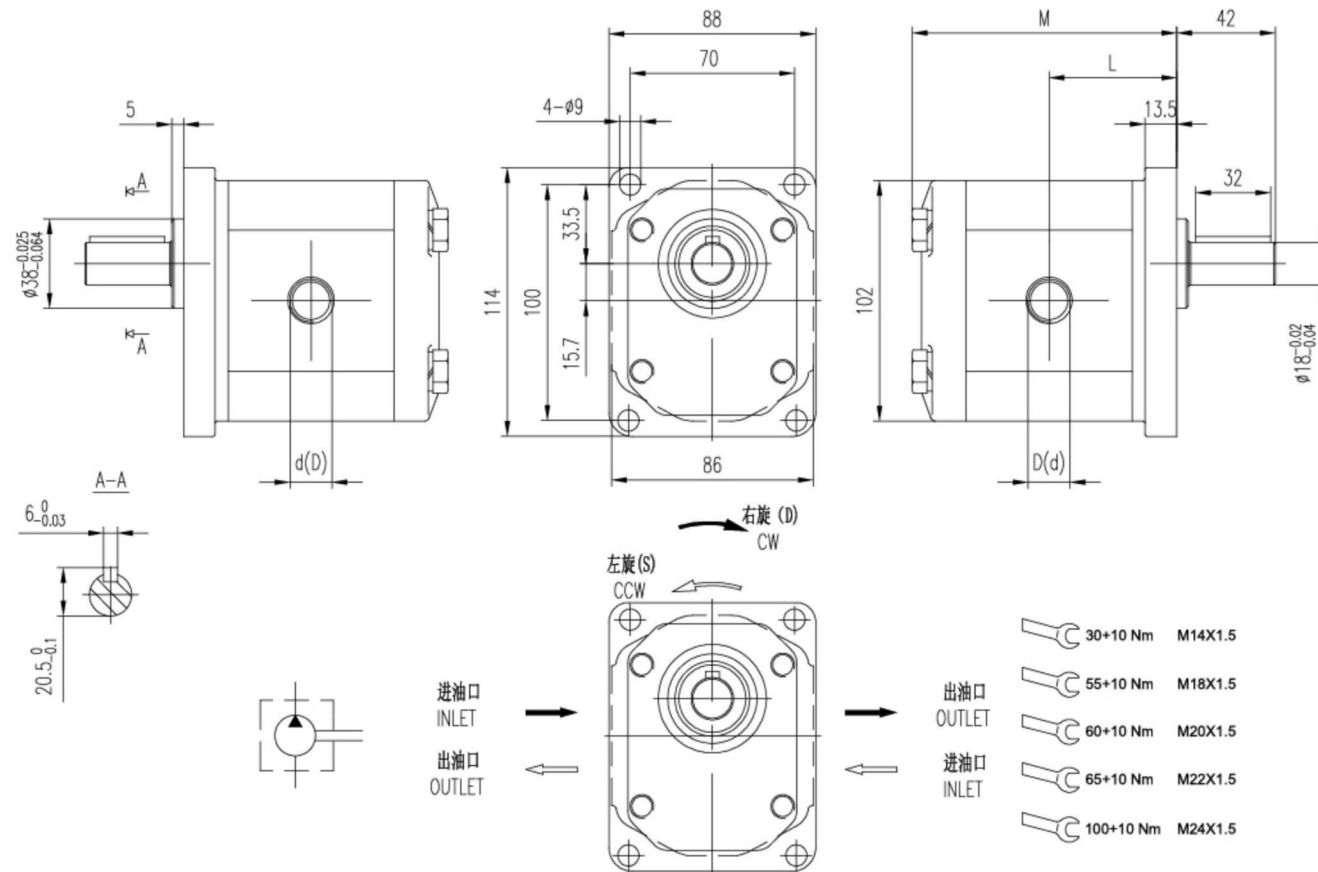


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
3	270	285	300	4000	800	3.35	91.1	43.6	E0	30	13	M6	30	13	M6
4	270	285	300	4000	600	3.4	92.7	44.4	E0	30	13	M6	30	13	M6
6	270	285	300	4000	600	3.5	96	46	E0	30	13	M6	30	13	M6
8	270	285	300	3500	500	3.6	99.3	47.7	E0	30	13	M6	30	13	M6
10	270	285	300	3500	500	3.7	102.6	49.3	E1	40	20	M8	30	13	M6
12	270	285	300	3500	500	3.8	105.9	51	E1	40	20	M8	30	13	M6
14	250	265	280	3500	500	3.9	109.3	52.7	E1	40	20	M8	30	13	M6
16	250	265	280	3500	500	4.0	112.7	54.4	E1	40	20	M8	30	13	M6
18	250	265	280	3200	400	4.1	116	56	E1	40	20	M8	30	13	M6
20	220	235	250	3200	400	4.2	119.3	57.7	E1	40	20	M8	30	13	M6
22	220	235	250	3000	400	4.3	122.6	59.3	E1	40	20	M8	30	13	M6
25	200	215	230	3000	400	4.45	127.6	61.8	E2	40	22	M8	30	13	M6
28	180	190	200	2500	400	4.6	132.6	64.3	E2	40	22	M8	30	13	M6
30	160	170	180	2500	400	4.7	135.9	66	E2	40	22	M8	30	13	M6

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-B1-[D]-3-C2-[Z0]

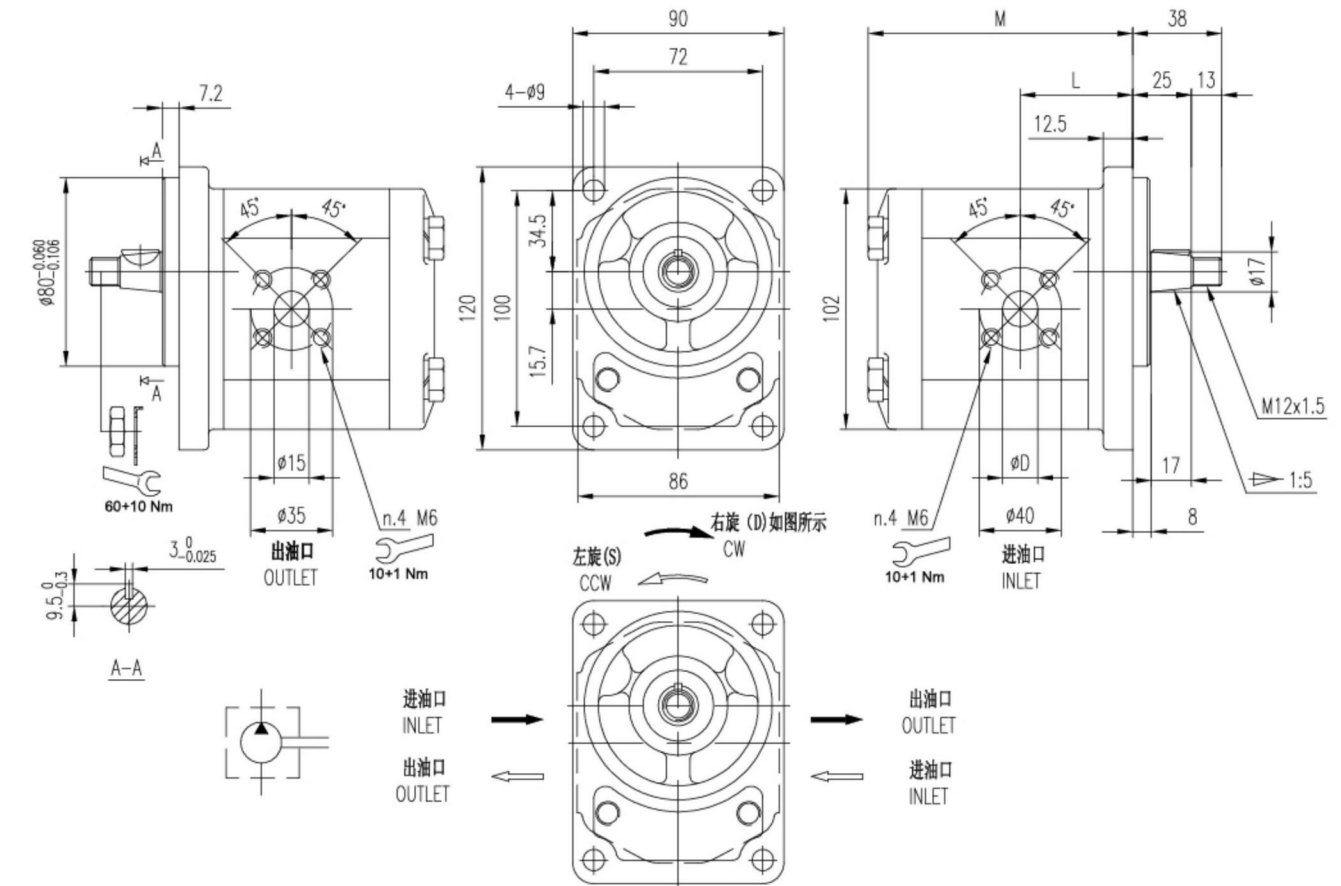


Displacement (cm ³ /rev)	Max pressure			最高转速 (r/min)	Min. speed (r/min)	重量 Kg	尺寸 Dimensions M L		油口代码 Oil port code	进油口 INLET D	出油口 OUTLET d
	P1 bar	P2 bar	P3 bar				mm	mm			
3	270	285	300	4000	800	3.35	91.1	43.6	Z0	M14X1.5	M14X1.5
4	270	285	300	4000	600	3.4	92.7	44.4	Z0	M14X1.5	M14X1.5
6	270	285	300	4000	600	3.5	96	46	Z1	M20X1.5	M18X1.5
8	270	285	300	3500	500	3.6	99.3	47.7	Z1	M20X1.5	M18X1.5
10	270	285	300	3500	500	3.7	102.6	49.3	Z1	M20X1.5	M18X1.5
12	270	285	300	3500	500	3.8	105.9	51	Z1	M20X1.5	M18X1.5
14	250	265	280	3500	500	3.9	109.3	52.7	Z1	M20X1.5	M18X1.5
16	250	265	280	3500	500	4.0	112.7	54.4	Z1	M20X1.5	M18X1.5
18	250	265	280	3200	400	4.1	116	56	Z1	M20X1.5	M18X1.5
20	220	235	250	3200	400	4.2	119.3	57.7	Z3	M24X1.5	M22X1.5
22	220	235	250	3000	400	4.3	122.6	59.3	Z3	M24X1.5	M22X1.5
25	200	215	230	3000	400	4.45	127.6	61.8	Z3	M24X1.5	M22X1.5
28	180	190	200	2500	400	4.6	132.6	64.3	Z3	M24X1.5	M22X1.5
30	160	170	180	2500	400	4.7	135.9	66	Z3	M24X1.5	M22X1.5

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-B2-D-3-T1-F0

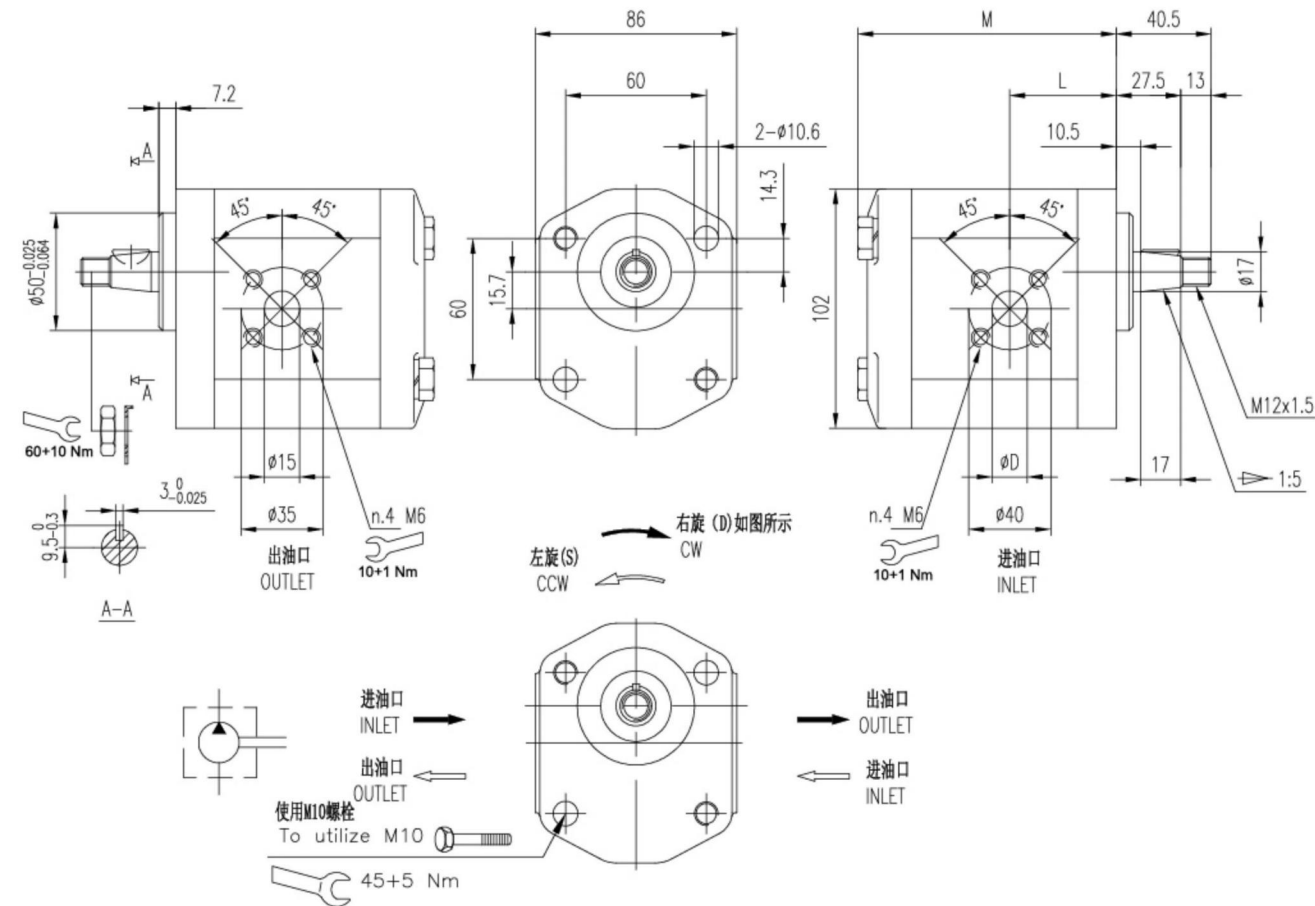


排量 Displacement	最大压力 Max. pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		D
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	91.1	39.9	F0	15
4	270	285	300	4000	600	3.4	92.7	39.9	F0	15
6	270	285	300	4000	600	3.5	96	41.1	F0	15
8	270	285	300	3500	500	3.6	99.3	43.2	F0	15
10	270	285	300	3500	500	3.7	102.6	43.7	F1	20
12	270	285	300	3500	500	3.8	105.9	47.5	F1	20
14	250	265	280	3500	500	3.9	109.3	47.5	F1	20
16	250	265	280	3500	500	4.0	112.7	47.5	F1	20
18	250	265	280	3200	400	4.1	116	47.5	F1	20
20	220	235	250	3200	400	4.2	119.3	47.5	F1	20
22	220	235	250	3000	400	4.3	122.6	55.1	F1	20
25	200	215	230	3000	400	4.45	127.6	61.8	F1	20
28	180	190	200	2500	400	4.6	132.6	64.3	F1	20
30	160	170	180	2500	400	4.7	135.9	66	F1	20

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-Q0-D-3-T1-F0

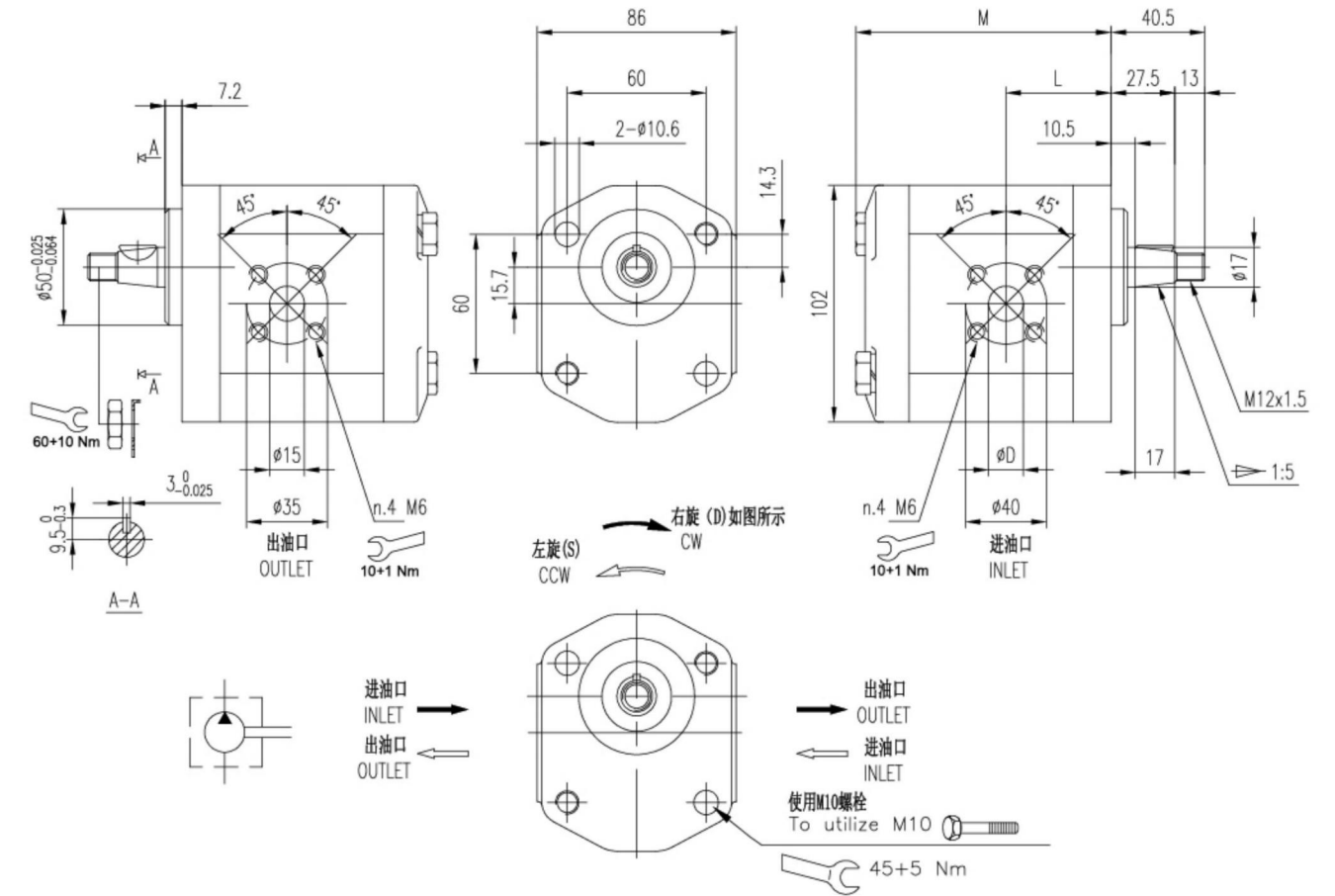


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	3.5	93.5	38.6	F0	15
8	270	285	300	3500	500	3.6	96.8	40.7	F0	15
10	270	285	300	3500	500	3.7	100.1	41.2	F1	20
12	270	285	300	3500	500	3.8	103.4	45	F1	20
14	250	265	280	3500	500	3.9	106.8	45	F1	20
16	250	265	280	3500	500	4.0	110.2	45	F1	20
18	250	265	280	3200	400	4.1	113.5	45	F1	20
20	220	235	250	3200	400	4.2	116.8	45	F1	20
22	220	235	250	3000	400	4.3	120.1	52.6	F1	20
25	200	215	230	3000	400	4.45	125.1	59.3	F1	20
28	180	190	200	2500	400	4.6	130.1	61.8	F1	20
30	160	170	180	2500	400	4.7	133.4	63.5	F1	20

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-Q1-D-3-T1-F0

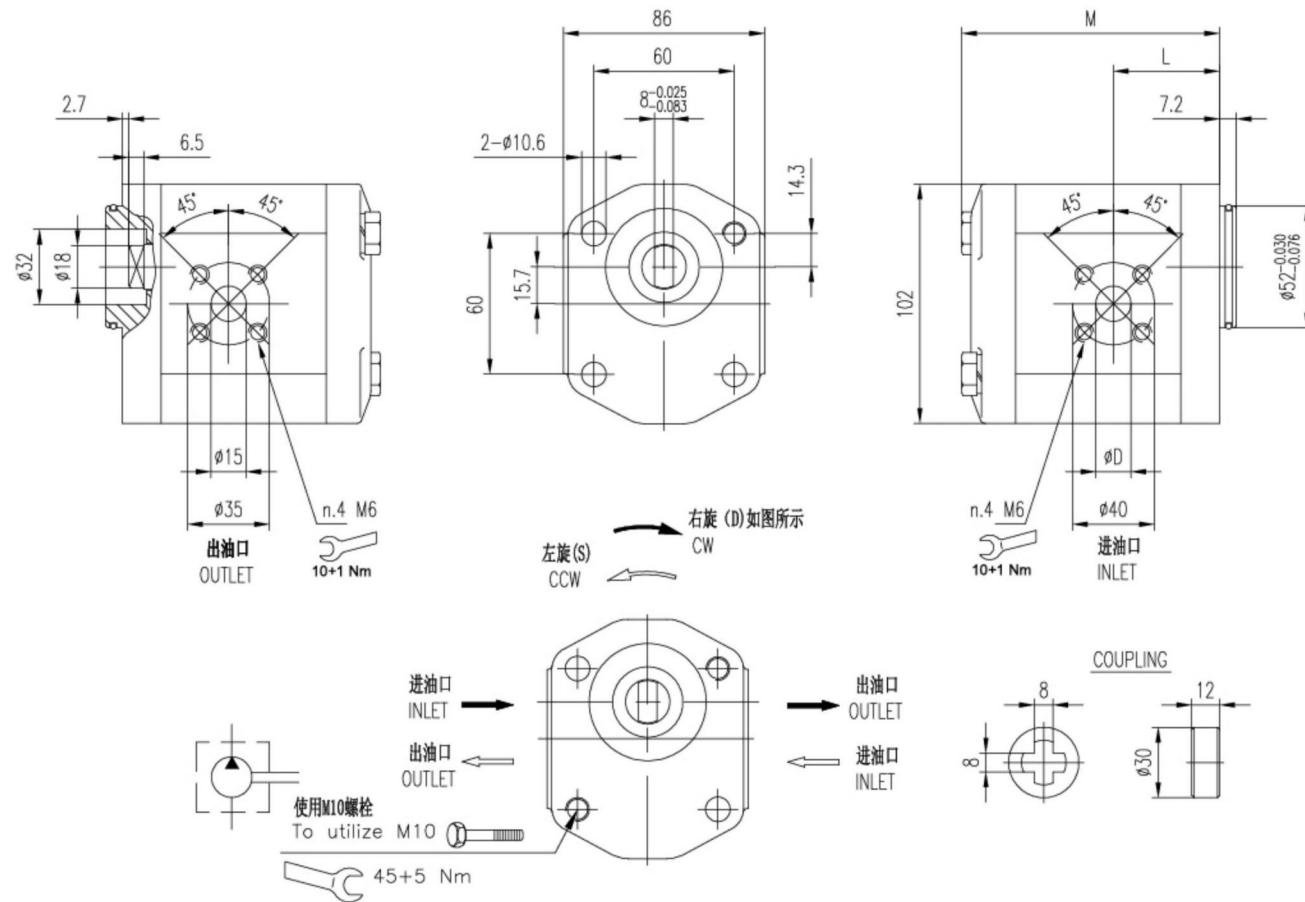


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	3.5	93.5	38.6	F0	15
8	270	285	300	3500	500	3.6	96.8	40.7	F0	15
10	270	285	300	3500	500	3.7	100.1	41.2	F1	20
12	270	285	300	3500	500	3.8	103.4	45	F1	20
14	250	265	280	3500	500	3.9	106.8	45	F1	20
16	250	265	280	3500	500	4.0	110.2	45	F1	20
18	250	265	280	3200	400	4.1	113.5	45	F1	20
20	220	235	250	3200	400	4.2	116.8	45	F1	20
22	220	235	250	3000	400	4.3	120.1	52.6	F1	20
25	200	215	230	3000	400	4.45	125.1	59.3	F1	20
28	180	190	200	2500	400	4.6	130.1	61.8	F1	20
30	160	170	180	2500	400	4.7	133.4	63.5	F1	20

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-Q2-[D]-[3]-G1-[F0]

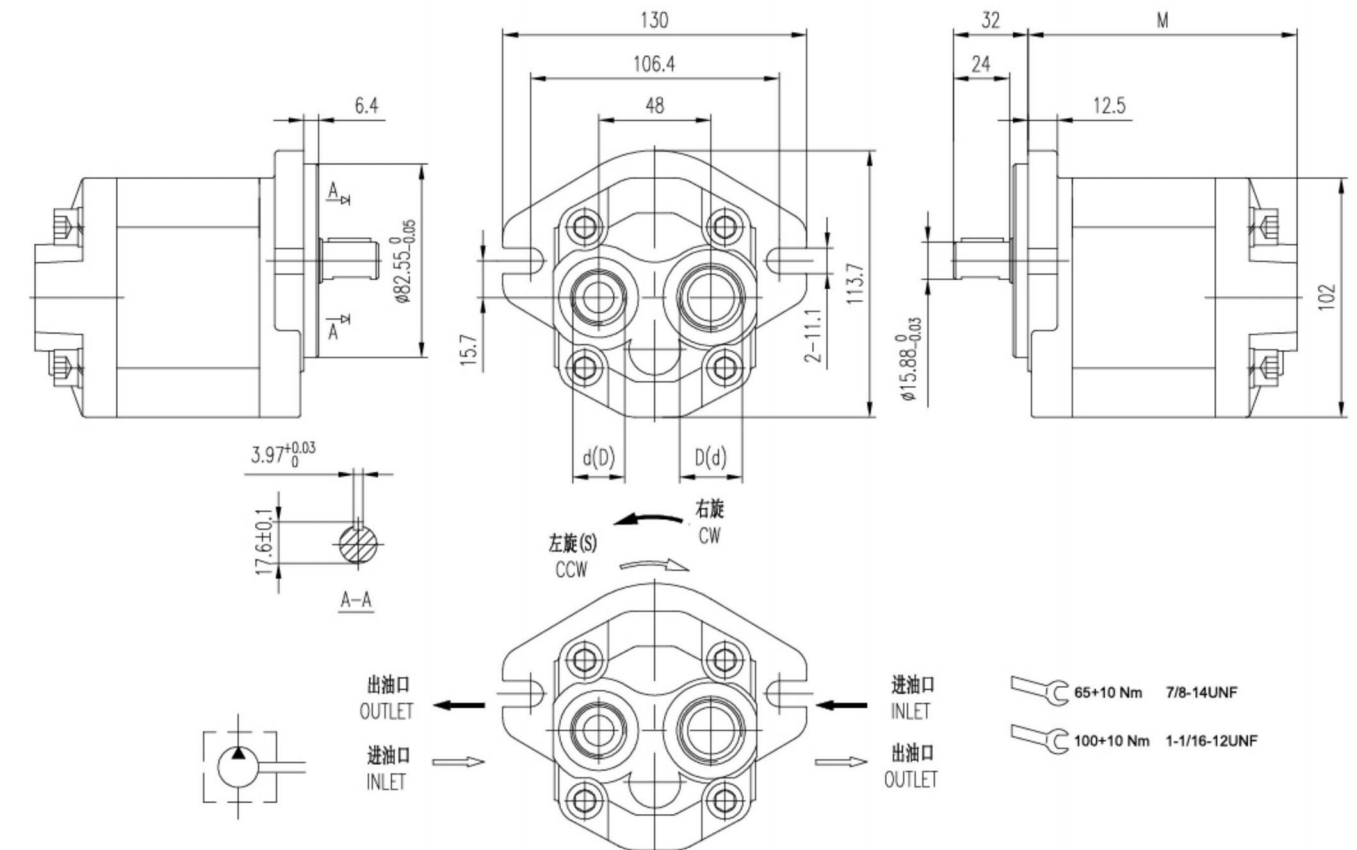


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		D
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	3.5	93.5	38.6	F0	15
8	270	285	300	3500	500	3.6	96.8	40.7	F0	15
10	270	285	300	3500	500	3.7	100.1	41.2	F1	20
12	270	285	300	3500	500	3.8	103.4	45	F1	20
14	250	265	280	3500	500	3.9	106.8	45	F1	20
16	250	265	280	3500	500	4.0	110.2	45	F1	20
18	250	265	280	3200	400	4.1	113.5	45	F1	20
20	220	235	250	3200	400	4.2	116.8	45	F1	20
22	220	235	250	3000	400	4.3	120.1	52.6	F1	20
25	200	215	230	3000	400	4.45	125.1	59.3	F1	20
28	180	190	200	2500	400	4.6	130.1	61.8	F1	20
30	160	170	180	2500	400	4.7	133.4	63.5	F1	20

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-A0-[D]-3-C0-X-[U0]

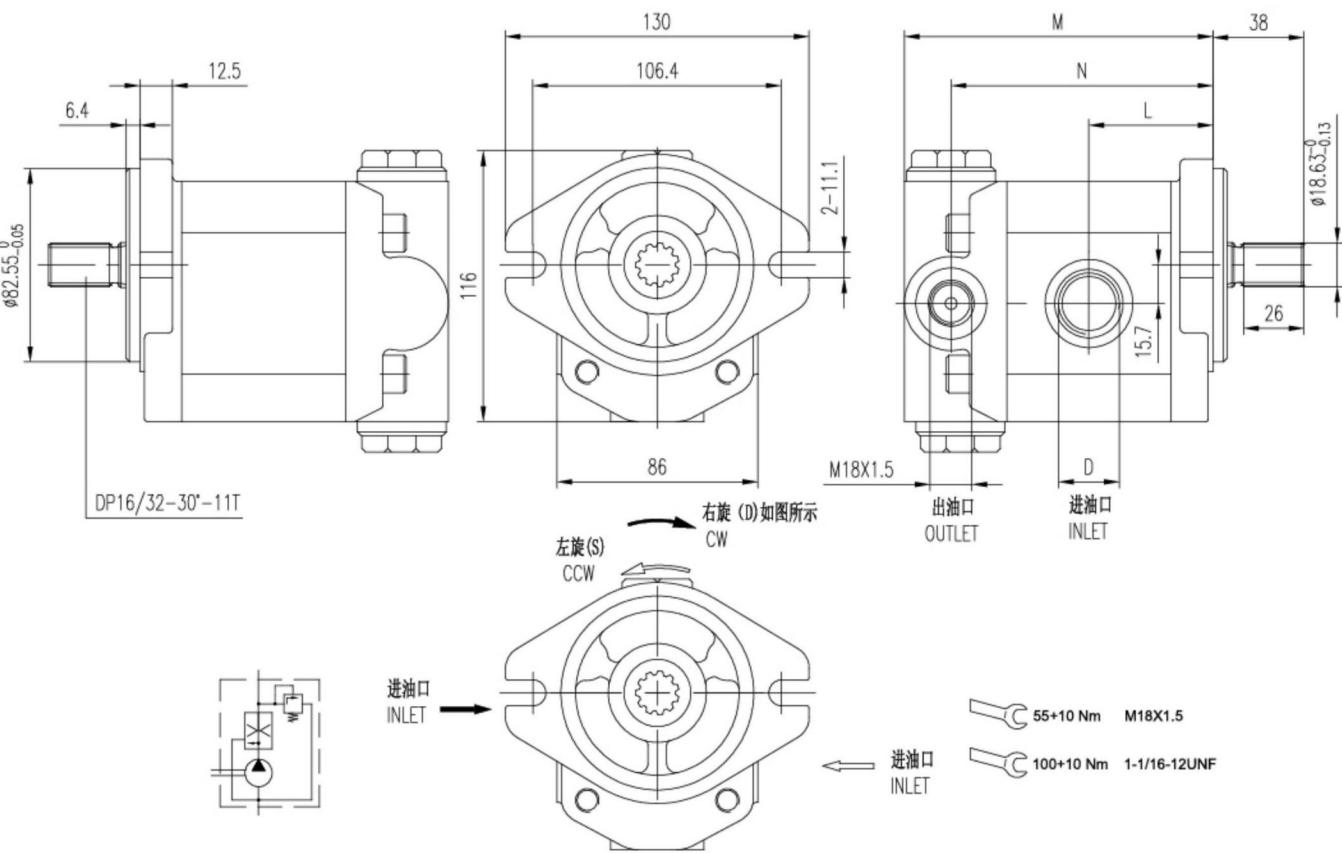


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进口口 INLET	出口口 OUELET
	P1	P2	P3				M		D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm			
3	270	285	300	4000	800	3.4	103.1	U0	1 1/16-12UNF	7/8-14UNF
4	270	285	300	4000	600	3.45	104.7	U0	1 1/16-12UNF	7/8-14UNF
6	270	285	300	4000	600	3.55	108	U0	1 1/16-12UNF	7/8-14UNF
8	270	285	300	3500	500	3.65	111.3	U0	1 1/16-12UNF	7/8-14UNF
10	270	285	300	3500	500	3.75	114.6	U0	1 1/16-12UNF	7/8-14UNF
12	270	285	300	3500	500	3.85	117.9	U0	1 1/16-12UNF	7/8-14UNF
14	250	265	280	3500	500	3.95	121.3	U0	1 1/16-12UNF	7/8-14UNF
16	250	265	280	3500	500	4.05	124.7	U0	1 1/16-12UNF	7/8-14UNF
18	250	265	280	3200	400	4.15	128	U0	1 1/16-12UNF	7/8-14UNF
20	220	235	250	3200	400	4.25	131.3	U0	1 1/16-12UNF	7/8-14UNF
22	220	235	250	3000	400	4.35	134.6	U0	1 1/16-12UNF	7/8-14UNF
25	200	215	230	3000	400	4.50	139.6	U0	1 1/16-12UNF	7/8-14UNF
28	180	190	200	2500	400	4.65	144.6	U0	1 1/16-12UNF	7/8-14UNF
30	160	170	180	2500	400	4.75	147.9	U0	1 1/16-12UNF	7/8-14UNF

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHP2-A0-D-3-S1-UJ4-HFAC19T-P150-F04

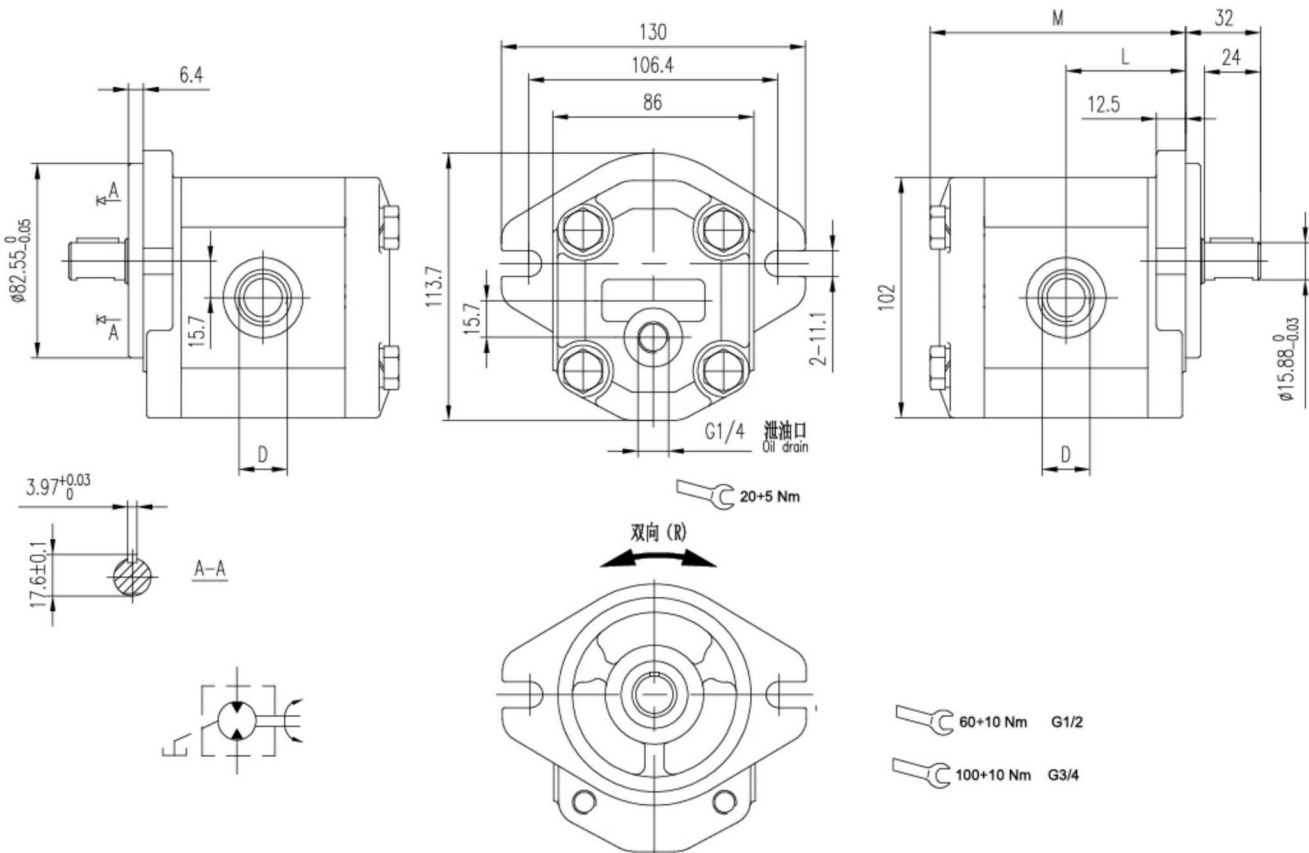


排量 Displacement	控制压力 Control pressure	控制流量 Control flow	最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET
(cm ³ /rev)	P1 bar	Qconst L/min	(r/min)	(r/min)	Kg	M mm	L mm	N mm		D
3	100...180	2...30	4000	800	4.1	113.1	43.6	93.6	UJ4	1 1/16-12UNF
4			4000	600	4.15	114.7	44.4	95.2	UJ4	1 1/16-12UNF
6			4000	600	4.25	118	46	98.5	UJ4	1 1/16-12UNF
8			3500	500	4.35	121.3	47.7	101.8	UJ4	1 1/16-12UNF
10			3500	500	4.45	124.6	49.3	105.1	UJ4	1 1/16-12UNF
12			3500	500	4.55	127.9	51	108.4	UJ4	1 1/16-12UNF
14			3500	500	4.65	131.3	52.7	111.8	UJ4	1 1/16-12UNF
16			3500	500	4.75	134.7	54.4	115.2	UJ4	1 1/16-12UNF
18			3200	400	4.35	138	56	118.5	UJ4	1 1/16-12UNF
20			3200	400	4.45	141.3	57.7	121.8	UJ4	1 1/16-12UNF
22			3000	400	4.55	144.6	59.3	125.1	UJ4	1 1/16-12UNF
25			3000	400	4.70	149.6	61.8	130.1	UJ4	1 1/16-12UNF
28			2500	400	4.85	154.6	64.3	135.1	UJ4	1 1/16-12UNF
30			2500	400	5.05	157.9	66	138.4	UJ5	1 5/16-12UNF

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PHM2-A0-R-3-C0-L0-Q1

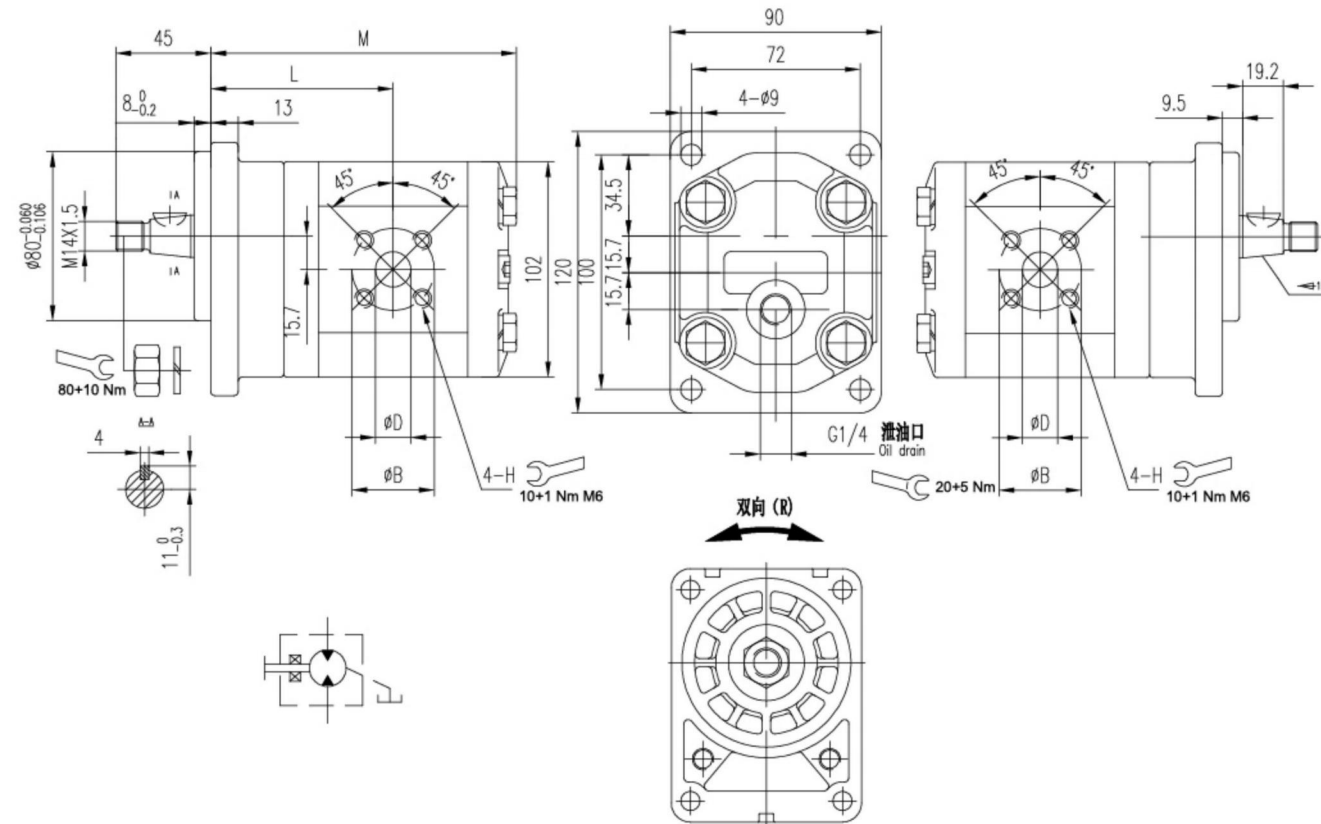


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	油口 Let
(cm ³ /rev)	P1 bar	P2 bar	P3 bar	(r/min)	(r/min)	Kg	M mm	L mm		D
3	270	285	300	4000	800	3.35	91.1	43.6	L0	G1/2
4	270	285	300	4000	600	3.4	92.7	44.4	L0	G1/2
6	270	285	300	4000	600	3.5	96	46	L0	G1/2
8	270	285	300	3500	500	3.6	99.3	47.7	L4	G3/4
10	270	285	300	3500	500	3.7	102.6	49.3	L4	G3/4
12	270	285	300	3500	500	3.8	105.9	51	L4	G3/4
14	250	265	280	3500	500	3.9	109.3	52.7	L4	G3/4
16	250	265	280	3500	500	4.0	112.7	54.4	L4	G3/4
18	250	265	280	3200	400	4.1	116	56	L4	G3/4
20	220	235	250	3200	400	4.2	119.3	57.7	L4	G3/4
22	220	235	250	3000	400	4.3	122.6	59.3	L4	G3/4
25	200	215	230	3000	400	4.45	127.6	61.8	L4	G3/4
28	180	190	200	2500	400	4.6	132.6	64.3	L4	G3/4
30	160	170	180	2500	400	4.7	135.9	66	L4	G3/4

2系列/Group 2

2系列标准型产品尺寸/Group 2 Standard Product Dimensions

PAM2-B3-R-3-T2-F13-Q1-ZC

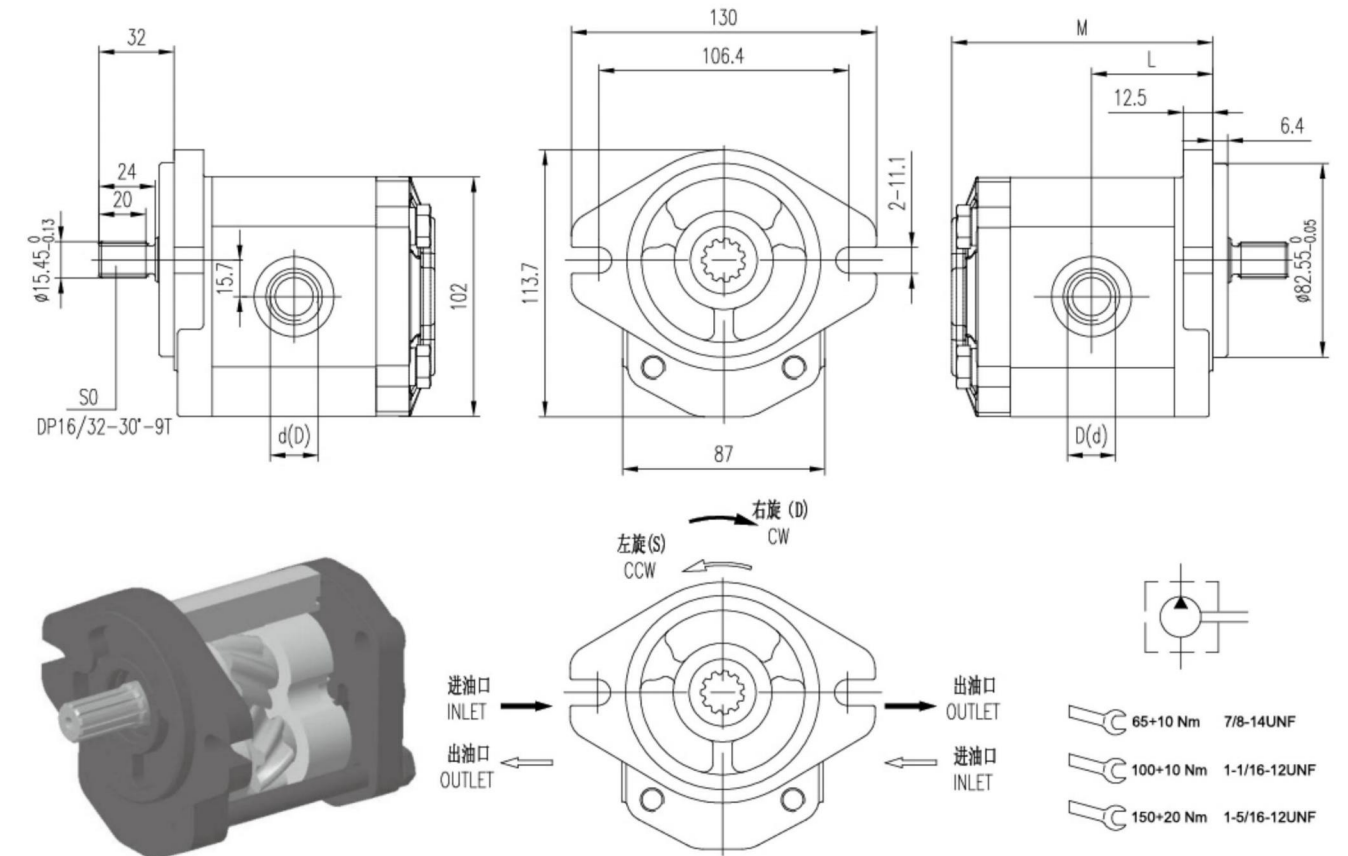


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	油口 Let		
	P1	P2	P3				M	L		B	D	H
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	
3	270	285	300	4000	800	3.35	123.1	75.6	F13	40	20	M6
4	270	285	300	4000	600	3.4	124.7	76.4	F13	40	20	M6
6	270	285	300	4000	600	3.5	128.0	78	F13	40	20	M6
8	270	285	300	3500	500	3.6	131.3	79.7	F13	40	20	M6
10	270	285	300	3500	500	3.7	134.6	81.3	F13	40	20	M6
12	270	285	300	3500	500	3.8	137.9	83	F13	40	20	M6
14	250	265	280	3500	500	3.9	141.3	84.7	F13	40	20	M6
16	250	265	280	3500	500	4.0	144.7	86.4	F13	40	20	M6
18	250	265	280	3200	400	4.1	148	88	F13	40	20	M6
20	220	235	250	3200	400	4.2	151.3	89.7	F13	40	20	M6
22	220	235	250	3000	400	4.3	154.6	91.3	F13	40	20	M6
25	200	215	230	3000	400	4.45	159.6	93.8	F13	40	20	M6
28	180	190	200	2500	400	4.6	164.6	96.3	F13	40	20	M6
30	160	170	180	2500	400	4.7	167.9	98	F13	40	20	M6

2Y系列/Group 2Y

2Y系列标准型产品尺寸/Group 2Y Standard Product Dimensions

PHP2Y-A0-[D]-3-S0-U0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L		D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm			
6	270	285	300	4000	600	3.6	97.1	45.6	U0	1 1/16-12UNF	7/8-14UNF
8	270	285	300	3500	500	3.7	100.1	47.1	U0	1 1/16-12UNF	7/8-14UNF
10	270	285	300	3500	500	3.8	103.1	48.6	U0	1 1/16-12UNF	7/8-14UNF
12	270	285	300	3500	500	3.9	106.1	50.1	U0	1 1/16-12UNF	7/8-14UNF
14	250	265	280	3500	500	4.0	109.1	51.6	U0	1 1/16-12UNF	7/8-14UNF
16	250	265	280	3500	500	4.1	111.1	52.6	U0	1 1/16-12UNF	7/8-14UNF
18	250	265	280	3200	400	4.2	114.1	54.1	U0	1 1/16-12UNF	7/8-14UNF
20	220	235	250	3200	400	4.3	119.3	55.7	U0	1 1/16-12UNF	7/8-14UNF
22	220	235	250	3000	400	4.5	120.1	57.1	U0	1 1/16-12UNF	7/8-14UNF
28	180	190	200	2500	400	4.7	129.1	61.6	U0	1 1/16-12UNF	7/8-14UNF

2.1D系列/Group 2.1D

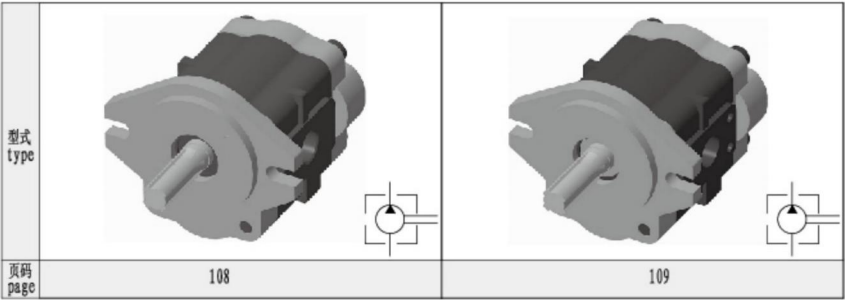
2.1D系列选型规则/Group 2.1D Ordering Code Rules

P	A	P	2.1D	A0	D	7	S0	F0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.1D 2.1D系列 Group 2.1D		D 顺时针 Clockwise S 逆时针 Counter clockwise	7 9 11 12 14.5 16 18 19 20					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高黏介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低黏介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover				轴伸 Shaft			泵体油口 Ports		特殊结构 Special structure		
A0	菱形前盖(止口Φ82.55) Diamond front cover (centering Φ82.55mm)			S0	SAE花键轴 SAE spline shaft DP16/32~30T~9T		F	矩形法兰 Split flange	省略-默认普通 omit-regular		
A1	菱形前盖(止口Φ80) Diamond front cover (centering Φ80mm)			S1	SAE花键轴 SAE spline shaft DP16/32~30T~10T		Z	公制螺纹 (M) Metric thread			
							L	英制管螺纹 (G) Gas thread			
详见 106 页 See page 106 for details				详见 106 页 See page 106 for details			详见 107 页 See page 107 for details				

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2.1D系列/Group 2.1D

2.1D系列标准型产品概览/Group 2.1D Standard Product Overview

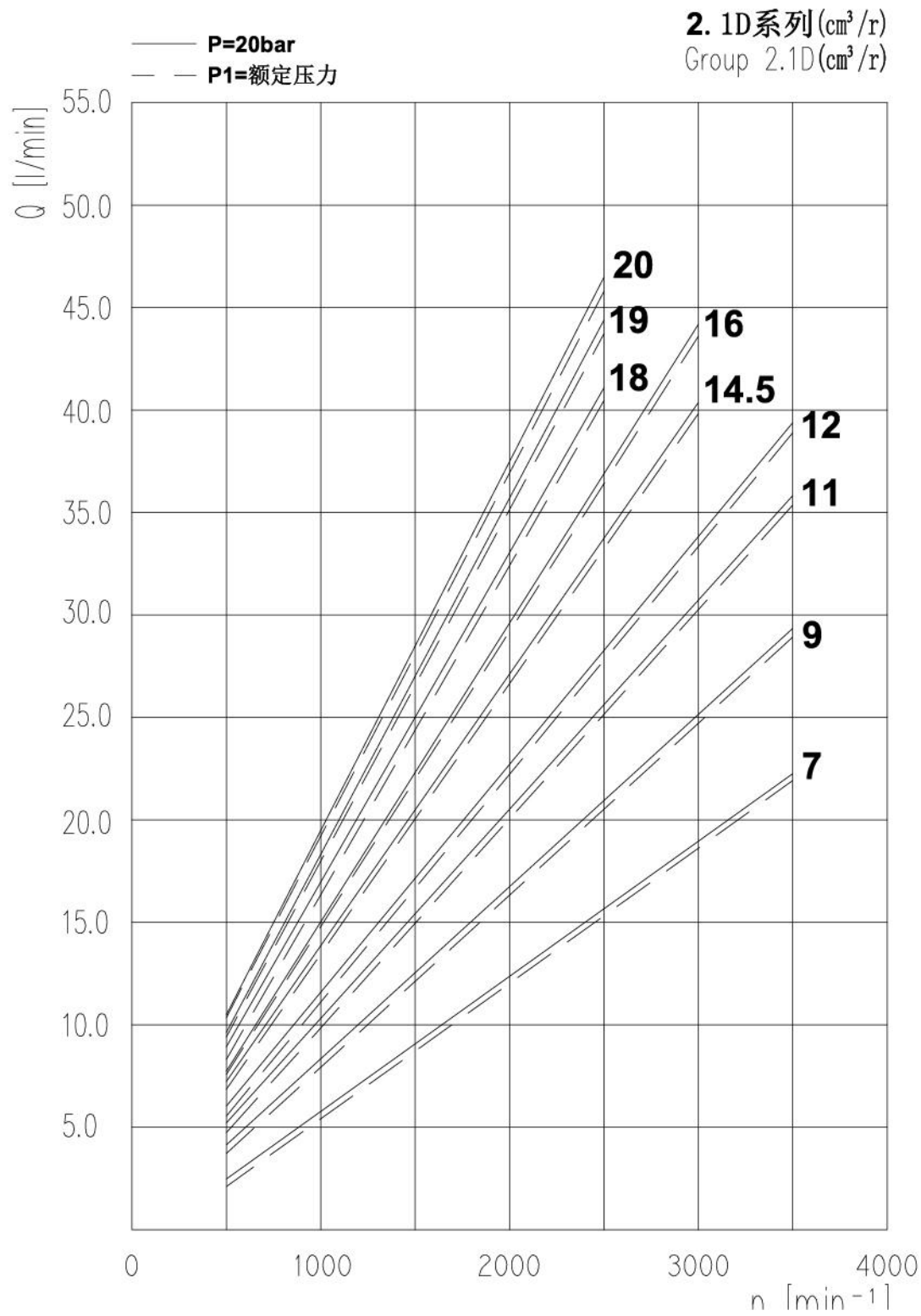


2.1D系列排量参数表/Group 2.1D Displacement parameter table

排量 Displacement	V	cm ³ /rev	7	9	11	12	14.5	16	18	19	20
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3								
最高连续压力 Max. continuous pressure	P1		200								
最高间隙压力 Max. intermittent pressure	P2		230								
最高峰值压力 Max. peak pressure	P3		250								
最低转速 Min. speed	n _{Min}	r/min	500								
最高转速 Max. speed	n _{Max}		3000								
容积效率 Volumetric efficiency	η _v	%	≥93								

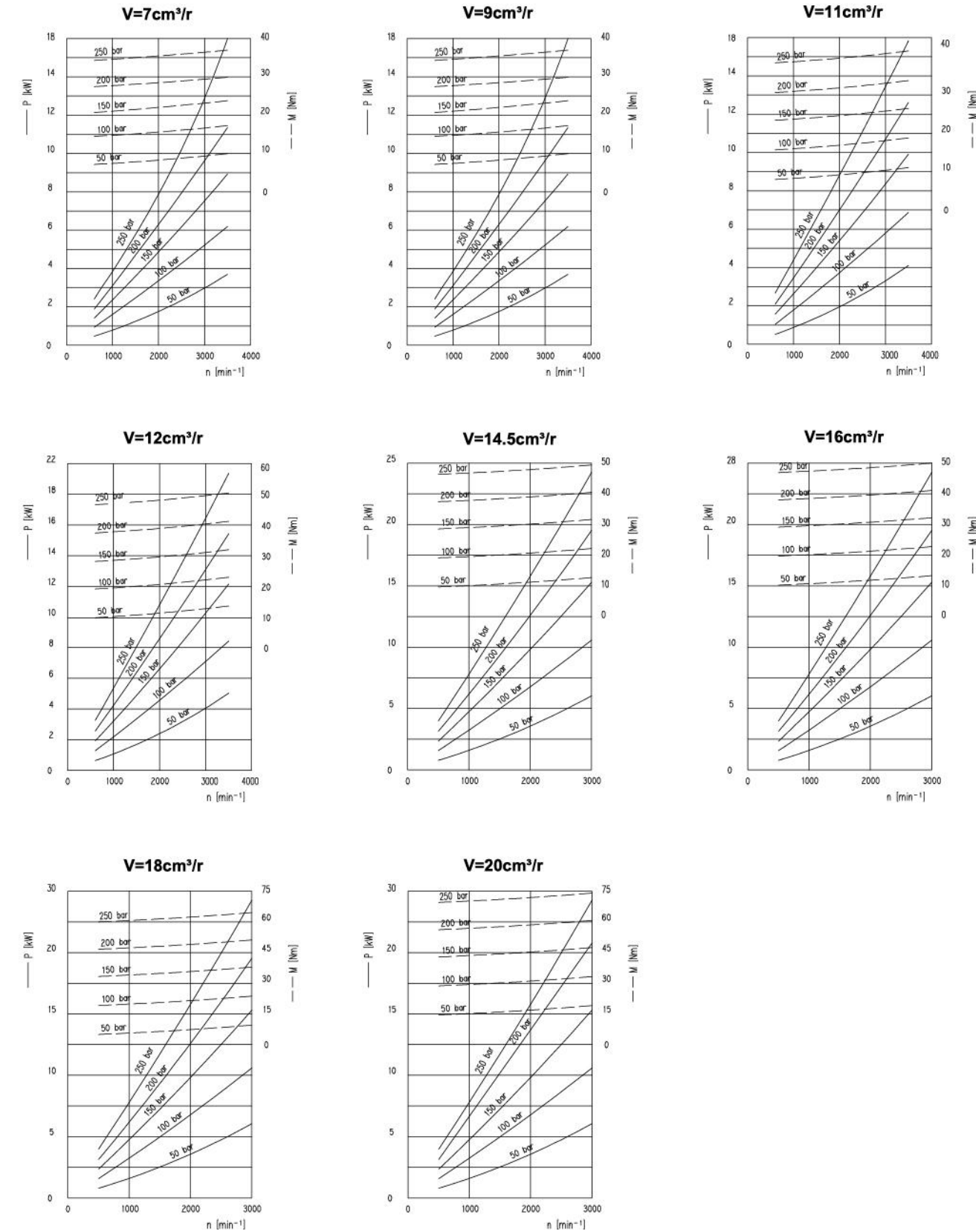
2.1D系列/Group 2.1D

2.1D系列流量性能曲线表/Group 2.1D Flow Performance Curve Table



2.1D系列/Group 2.1D

2.1D系列功率性能曲线表/Group 2.1D Power Performance Curve Table



2.1D系列/Group 2.1D

2.1系列噪音曲线表/Group 2.1D Noise Curve Table

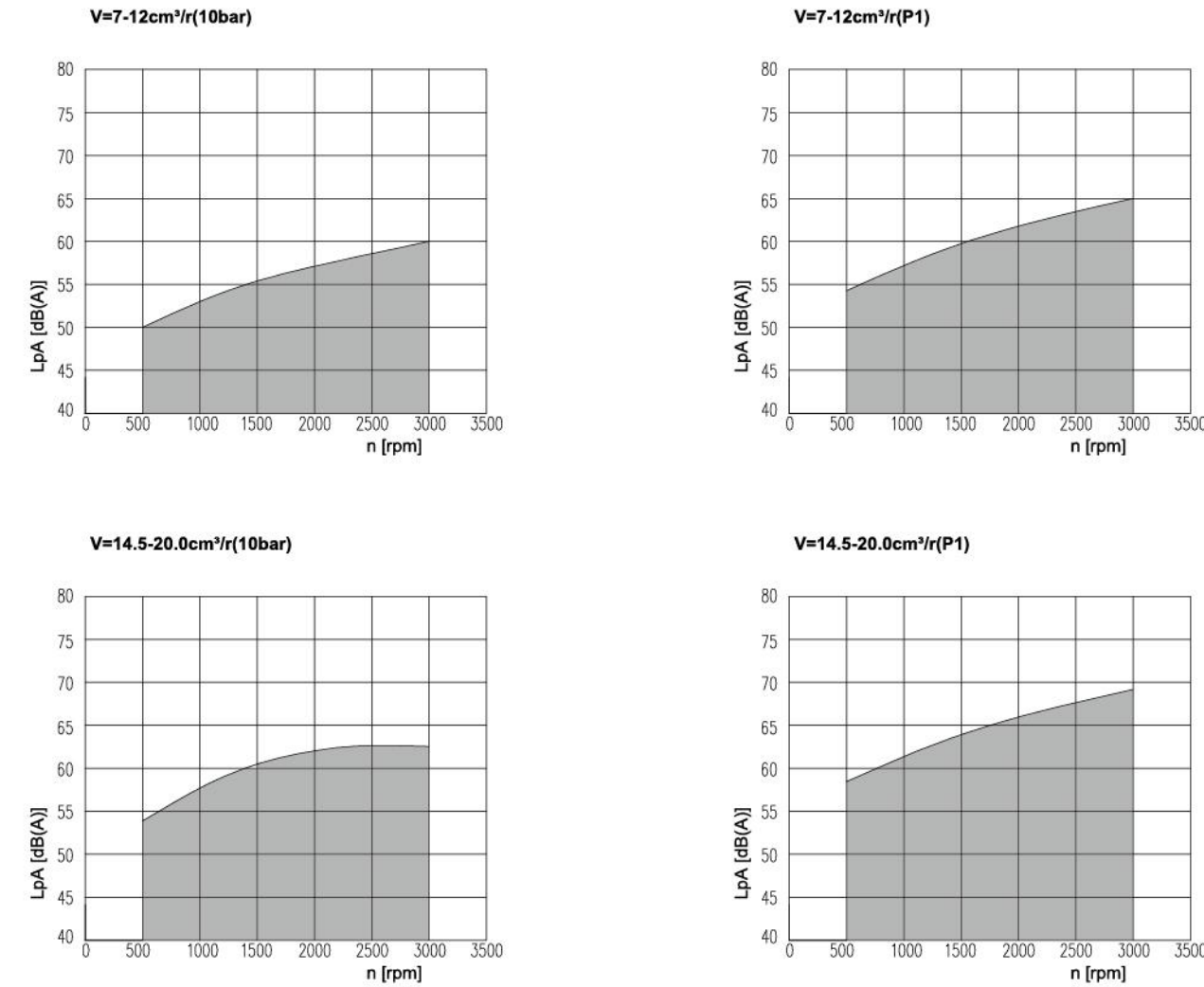
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range;This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s},\theta=50^\circ\text{C}$.

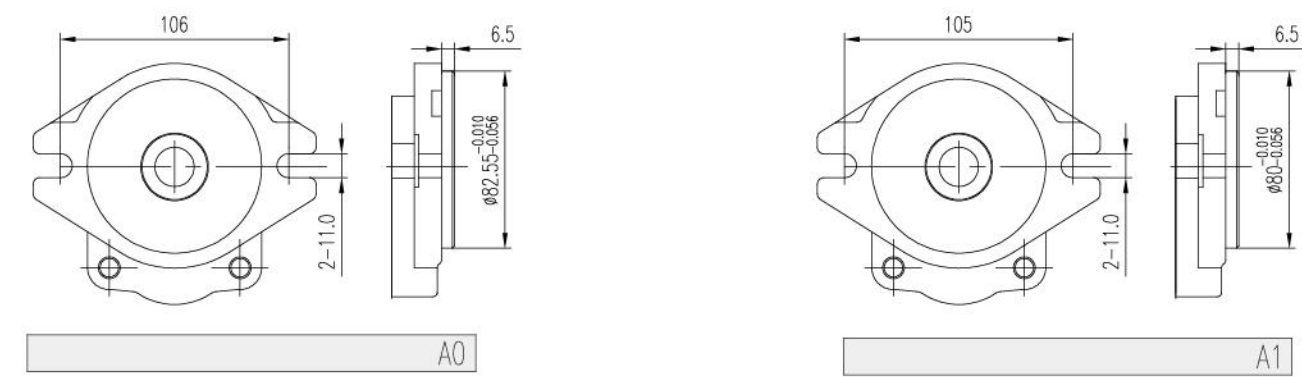
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

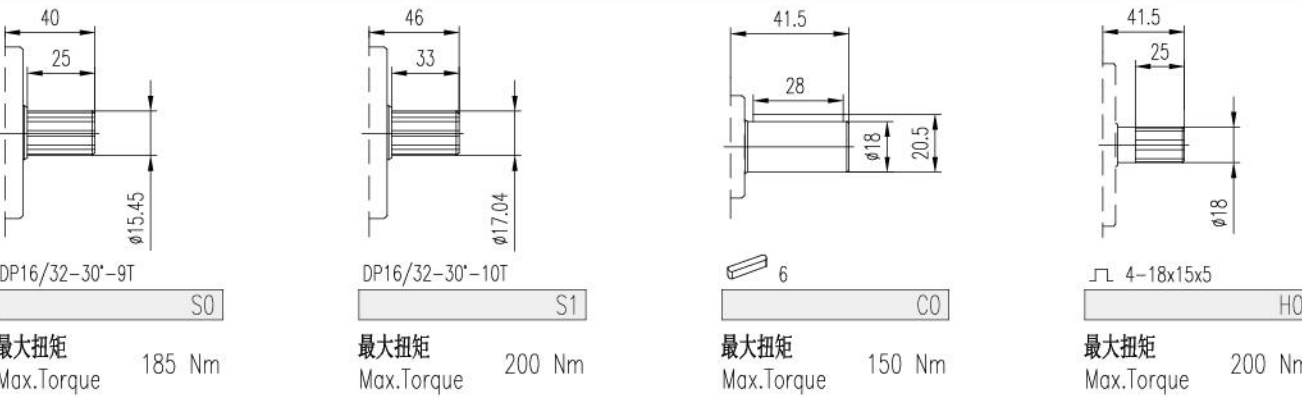


2.1D系列/Group 2.1D

前盖/FRONT COVER

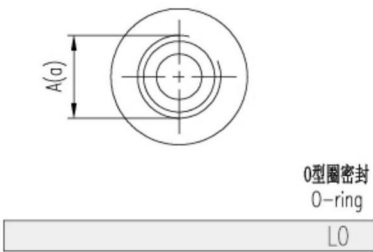


轴伸/SHAFTS



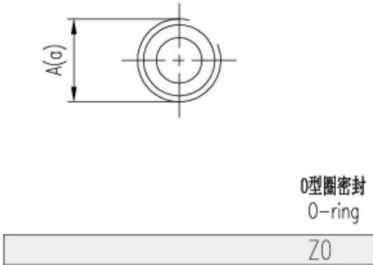
2.1D系列/Group 2.1D

泵体油口/PORTS



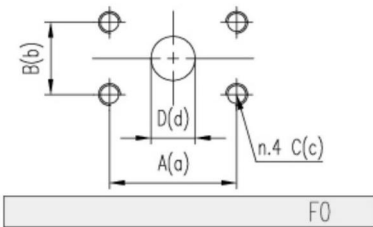
O型圈密封
O-ring

L0



O型圈密封
O-ring

Z0



F0

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	7...20	G1	G1/2

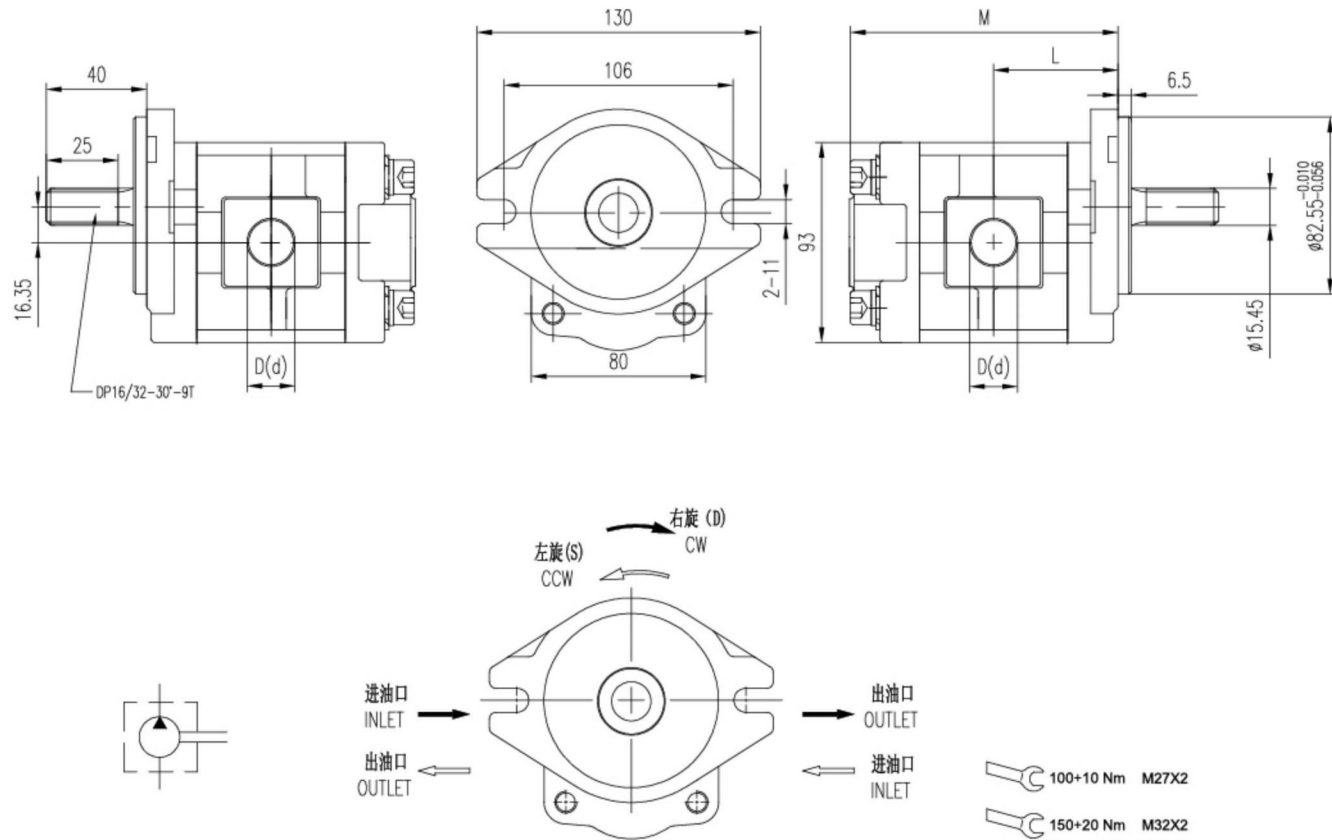
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	7...20	M33X2	M27X2

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
		A	B	C	D	a	b	c	d
F0	7...20	52.4	26.2	M10X1.25	25	47.6	22.2	M10X1.25	20

2.1D系列/Group 2.1D

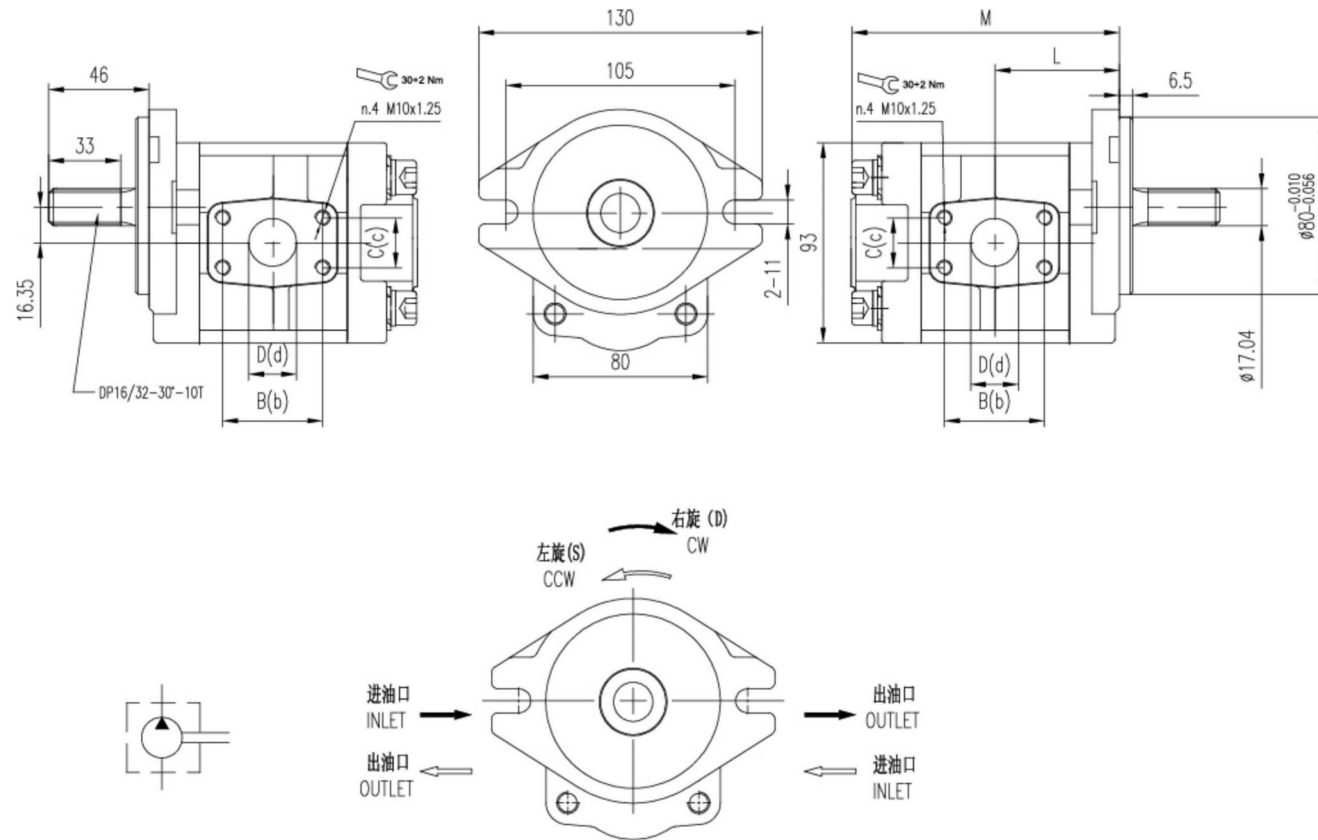
2.1D系列标准型产品尺寸/Group 2.1D Standard Product Dimensions

PAP2.1D-A0-D-7-S0-Z0



排量 Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Max. speed (r/min)	最低转速 Min. speed (r/min)	重量 Weight Kg	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET D	出油口 OUTLET d
	P1 bar	P2 bar	P3 bar				M mm	L mm			
7	200	230	250	3000	500	3.35	115.3	52.6	Z0	M33X2	M27X2
9	200	230	250	3000	500	3.4	116.5	53.8	Z0	M33X2	M27X2
11	200	230	250	3000	500	3.5	118	54.5	Z0	M33X2	M27X2
12	200	230	250	3000	500	3.6	119.5	55.1	Z0	M33X2	M27X2
14.5	200	230	250	3000	500	3.7	122.6	56.8	Z0	M33X2	M27X2
16	200	230	250	3000	500	3.8	124.6	57.8	Z0	M33X2	M27X2
18	200	230	250	3000	500	3.9	127.4	59.2	Z0	M33X2	M27X2
19	200	230	250	3000	500	3.95	128.6	59.8	Z0	M33X2	M27X2
20	200	230	250	3000	500	4.0	130	60.5	Z0	M33X2	M27X2

PAP2. 1D-A1-D-7-S1-F0



排量 Displacement	最大压力 Max. pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	C	b	d	c
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
7	200	230	250	3000	500	3.35	115.3	52.6	F0	52.4	25	26.2	47.6	20	22.2
9	200	230	250	3000	500	3.4	116.5	53.8	F0	52.4	25	26.2	47.6	20	22.2
11	200	230	250	3000	500	3.5	118	54.5	F0	52.4	25	26.2	47.6	20	22.2
12	200	230	250	3000	500	3.6	119.5	55.1	F0	52.4	25	26.2	47.6	20	22.2
14.5	200	230	250	3000	500	3.7	122.6	56.8	F0	52.4	25	26.2	47.6	20	22.2
16	200	230	250	3000	500	3.8	124.6	57.8	F0	52.4	25	26.2	47.6	20	22.2
18	200	230	250	3000	500	3.9	127.4	59.2	F0	52.4	25	26.2	47.6	20	22.2
19	200	230	250	3000	500	3.95	128.6	59.8	F0	52.4	25	26.2	47.6	20	22.2
20	200	230	250	3000	500	4.0	130	60.5	F0	52.4	25	26.2	47.6	20	22.2

2.5系列/Group 2.5

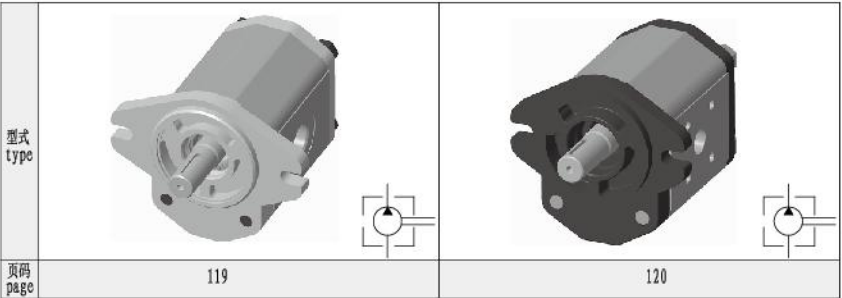
2.5系列选型规则/Group 2.5 Ordering Code Rules

P	A	P	2.5	A0	D	10	C0	Z0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.5系列 Group 2.5		D 顺时针转 Clockwise S 逆时针转 Counter clockwise	10 12.5 14 16 18 19 20 23 25 26.5 28 30 32 36 40					特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options 省略-温度范围在-10℃~+80℃，进口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃ inlet pressure up to max. 3 bar absolute. V 适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力2~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover				轴伸 Shaft		泵体油口 Ports			特殊结构 Special structure		
A0	菱形前盖(止口φ85) Diamond front cover (centering φ85mm)			C0	平键轴φ20 straight keyed φ20		E	矩形法兰 Rectangular flange		省略-默认普通 omit-regular	
				C1	平键轴φ18 straight keyed φ18		F	矩形法兰 Rectangular flange			
A1	菱形前盖(止口φ82.55) Diamond front cover (centering φ82.55mm)			C2	平键轴φ19.05 straight keyed φ19.05		F	矩形法兰 Split flange			
				H0	矩形花键轴 Rectangle spline shaft ┐ 6~20x16x4		Z	公制螺纹 (M) Metric thread			
				H1	矩形花键轴 Rectangle spline shaft ┐ 4~18x15x5		L	英制管螺纹 (G) Gas thread			
				S0	渐开线花键轴 Involute spline shaft EXT12Z-1.5m-30°		U	美制管螺纹 (UNF-2B) UNF thread			
				S1	SAE花键轴 SAE spline shaft DP16/32-30°-10T		R	英制锥螺纹 (PT) PT thread			
				S2	SAE花键轴 SAE spline shaft DP16/32-30°-11T		X	泵体无油口 Body without ports			
				S3	SAE花键轴 SAE spline shaft DP16/32-30°-13T						
详见 116 页 See page 116 for details				详见 117-118 页 See page 117-118 for details							

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2.5系列/Group 2.5

2.5系列标准型产品概览/Group 2.5 Standard Product Overview

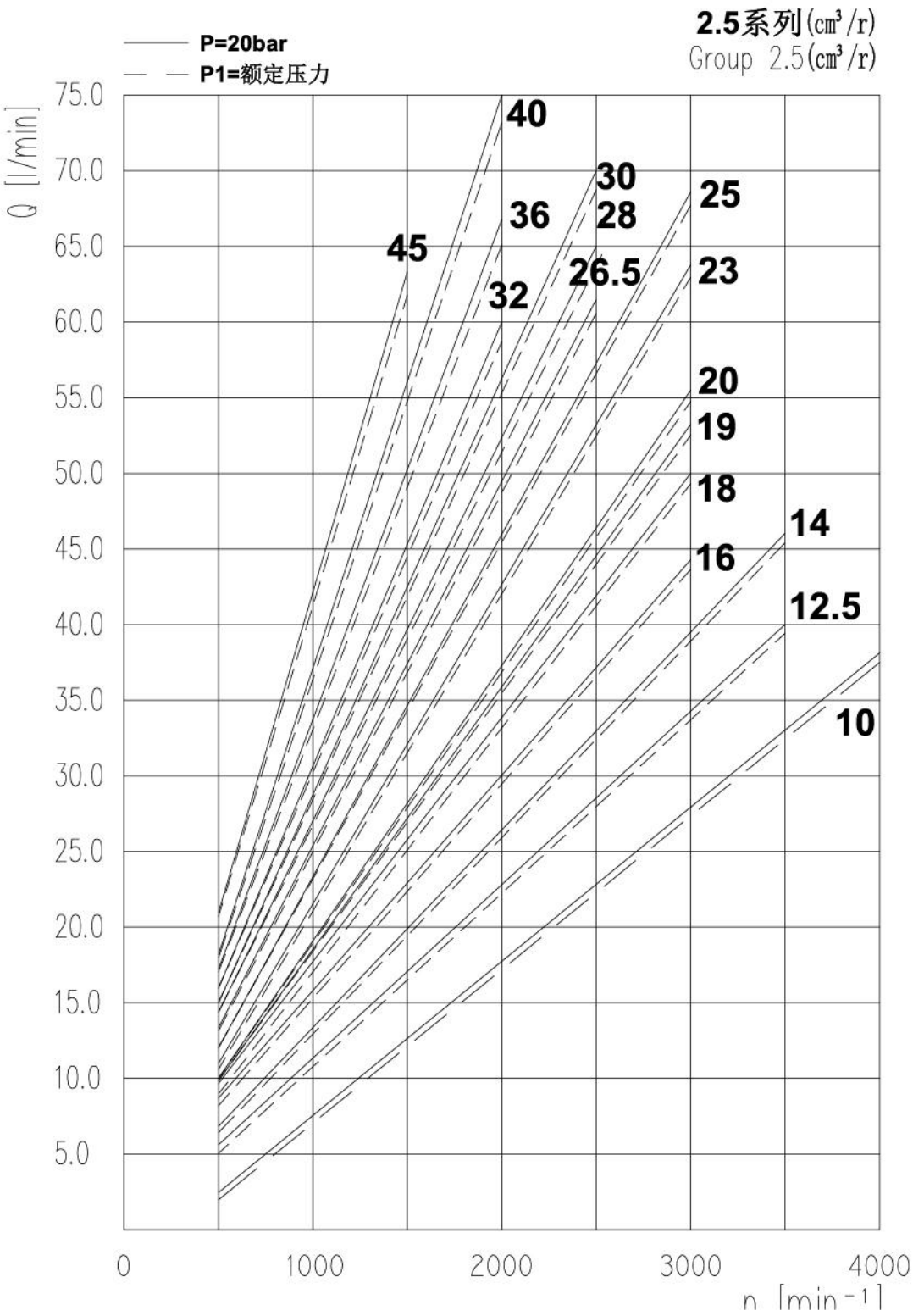


2.5系列排量参数表/Group 2.5 Displacement parameter table

排量 Displacement	V	cm ³ /rev	10	12.5	14	16	18	19	20	23	25	26.5	28	30	32	36	40	45		
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3																	
最高连续压力 Max. continuous pressure	P1		250						230						200		160			
最高间隙压力 Max. intermittent pressure	P2		270						250						230		180			
最高峰值压力 Max. peak pressure	P3		290						260						250		200			
最低转速 Min. speed	n _{Min}	r/min	800		700		600		500						400					
最高转速 Max. speed	n _{Max}		4000				3500								3000		2750		2500	
容积效率 Volumetric efficiency	η _v	%	≥91		≥92			≥93				≥94						≥95		

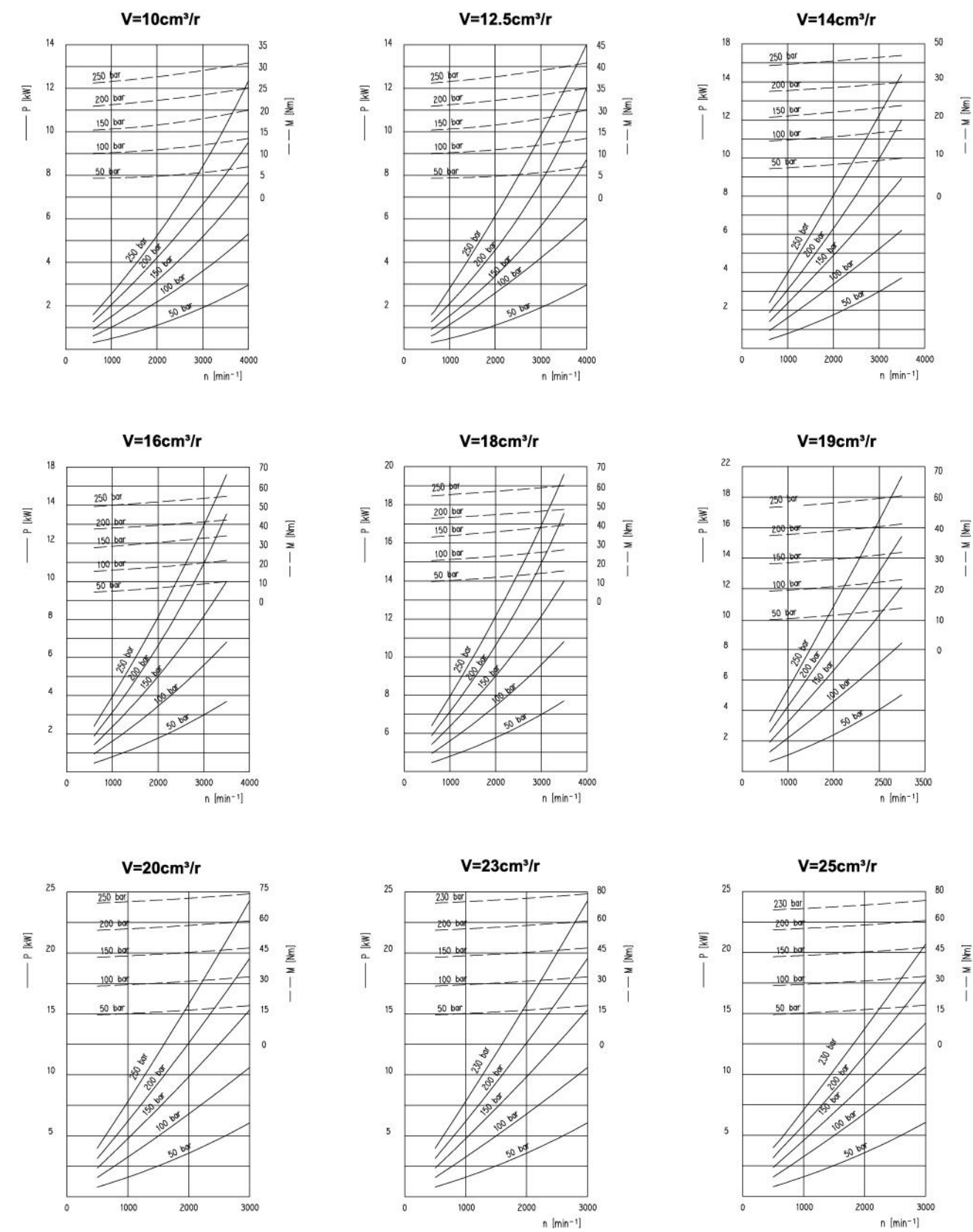
2.5系列/Group 2.5

2.5系列流量性能曲线表/Group 2.5 Flow Performance Curve Table



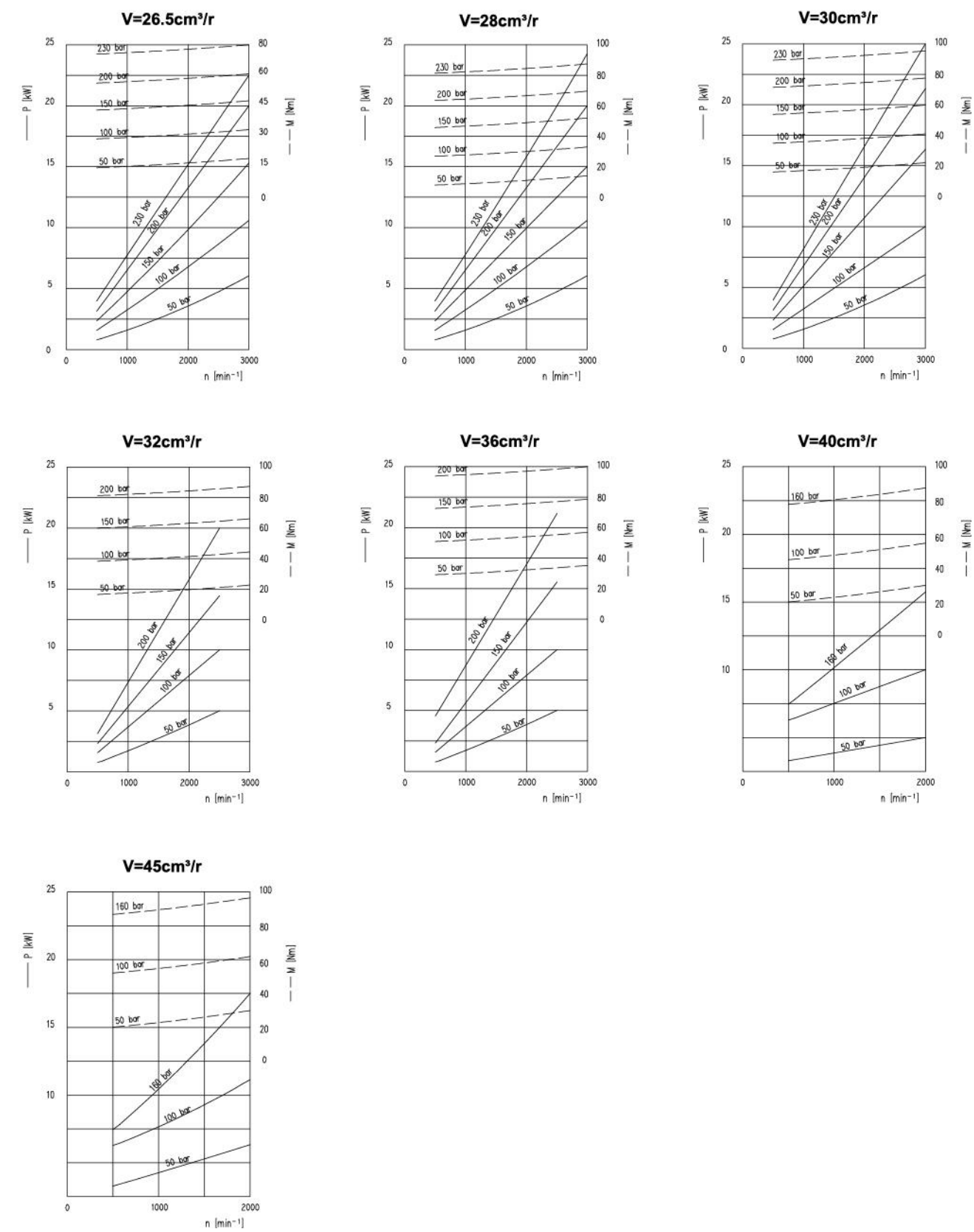
2.5系列/Group 2.5

2.5系列功率性能曲线表/Group 2.5 Power Performance Curve Table



2.5系列/Group 2.5

2.5系列功率性能曲线表/Group 2.5 Power Performance Curve Table



2.5系列/Group 2.5

2.5系列噪音曲线表/Group 2.5 Noise Curve Table

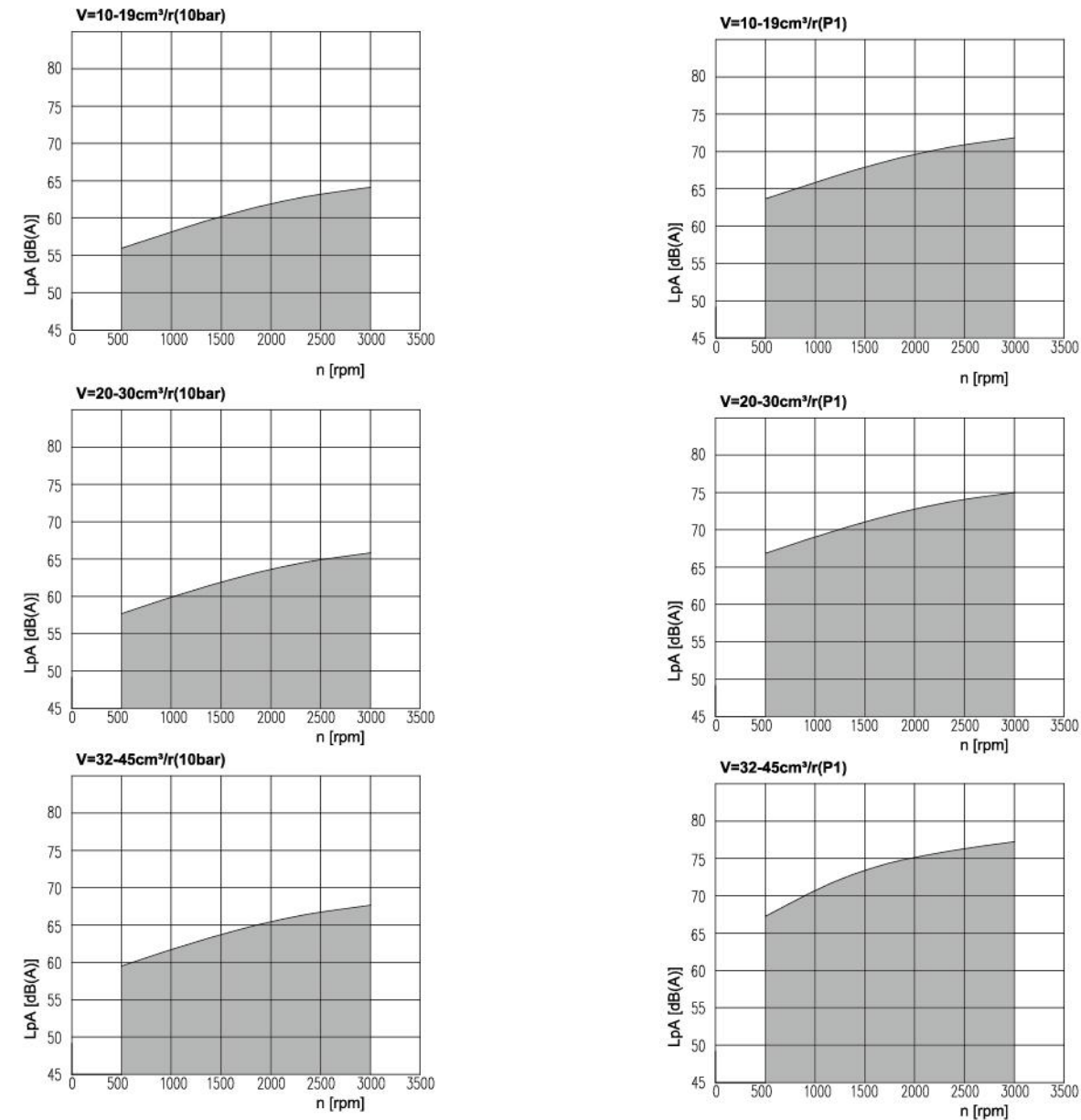
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s}, \theta=50^\circ\text{C}$.

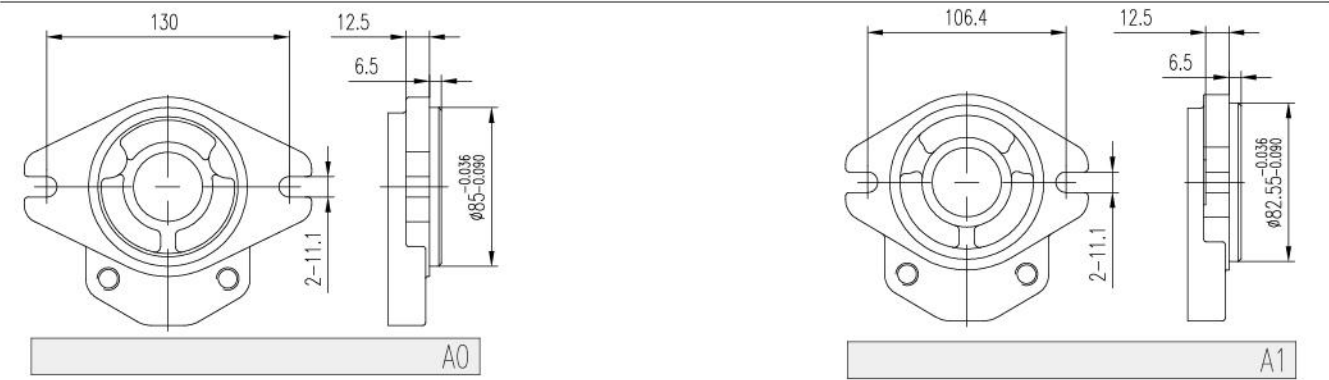
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

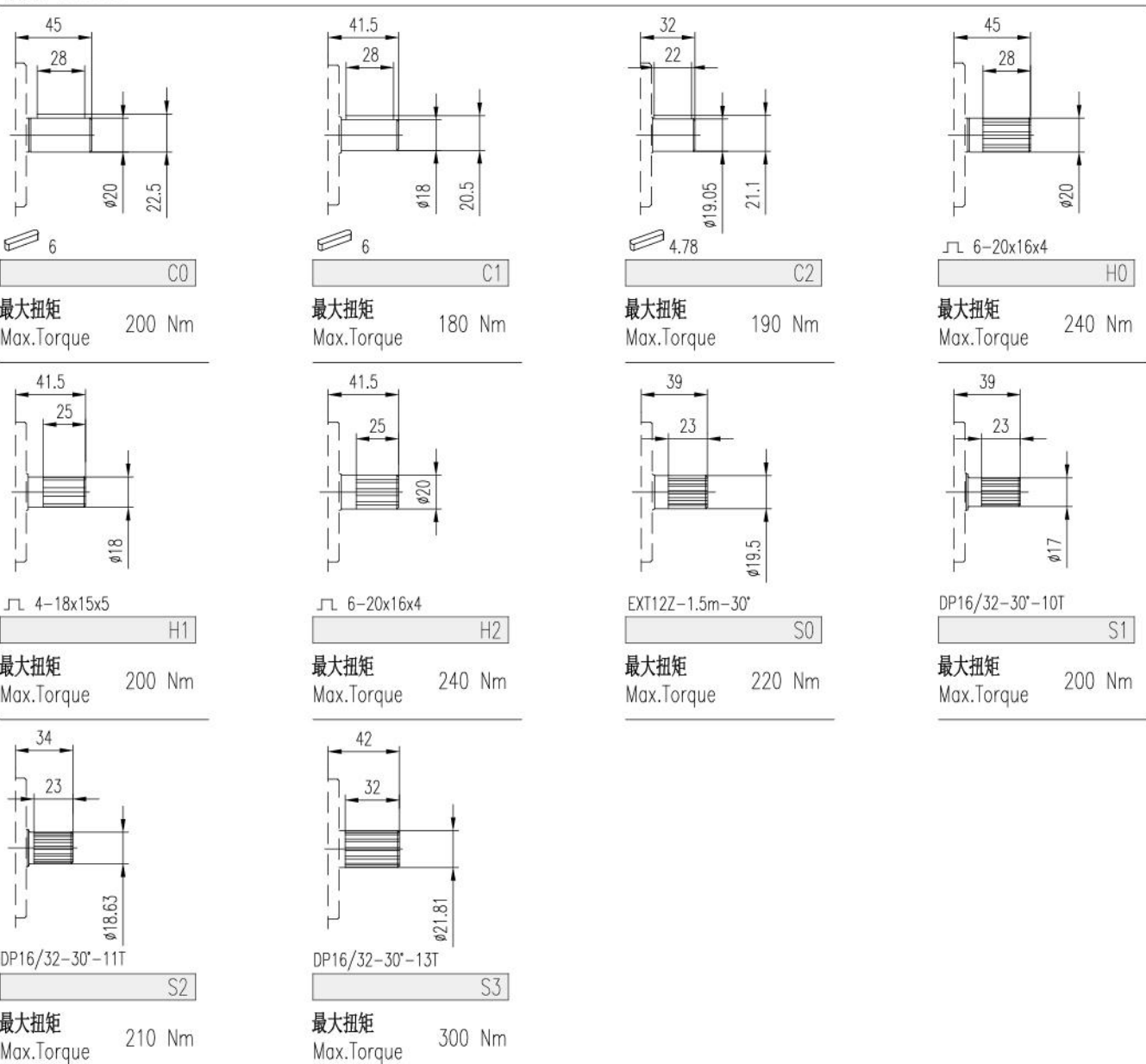


2.5系列/Group 2.5

前盖/FRONT COVER

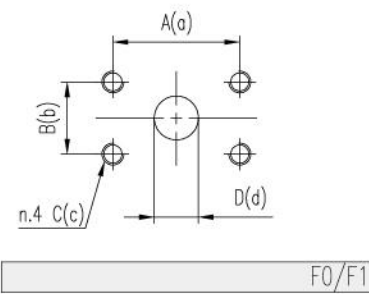


轴伸/SHAFTS

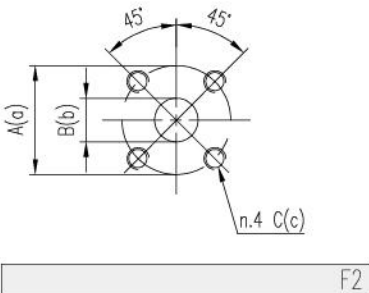


2.5系列/Group 2.5

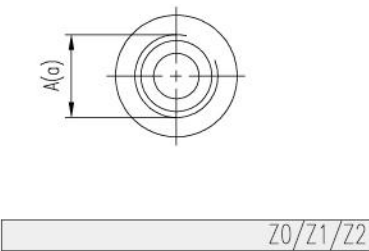
泵体油口/PORTS



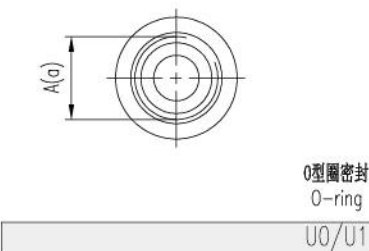
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
		A	B	C	D	a	b	c	d
F0	10...16	47.6	22.2	M10x1.25	20	47.6	22.2	M10x1.25	13
F1	18...45	52.4	26.2	M10x1.25	25	47.6	22.2	M10x1.25	20



排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
	A	B	C	a	b	c
10...16	55	20	M8	55	13	M8
18...45	55	25	M8	55	20	M8



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
Z0	10...14	M22x1.5	M18x1.5
Z1	16...20	M27x2	M22x1.5
Z2	23...45	M33x2	M27x2



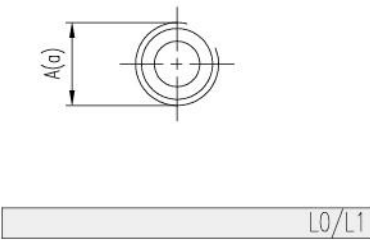
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
U0	10...23	1 1/16-12 UNF	7/8-14 UNF
U1	25...45	1 5/16-12 UNF	1 1/16-12 UNF

O型圈密封
O-ring

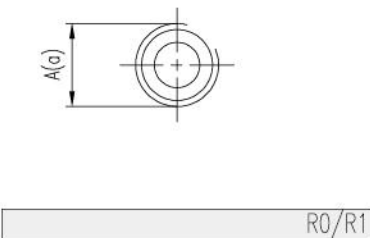
U0/U1

2.5系列/Group 2.5

泵体油口/PORTS



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
L0	10...23	G3/4	G1/2
L1	25...45	G 1	G3/4

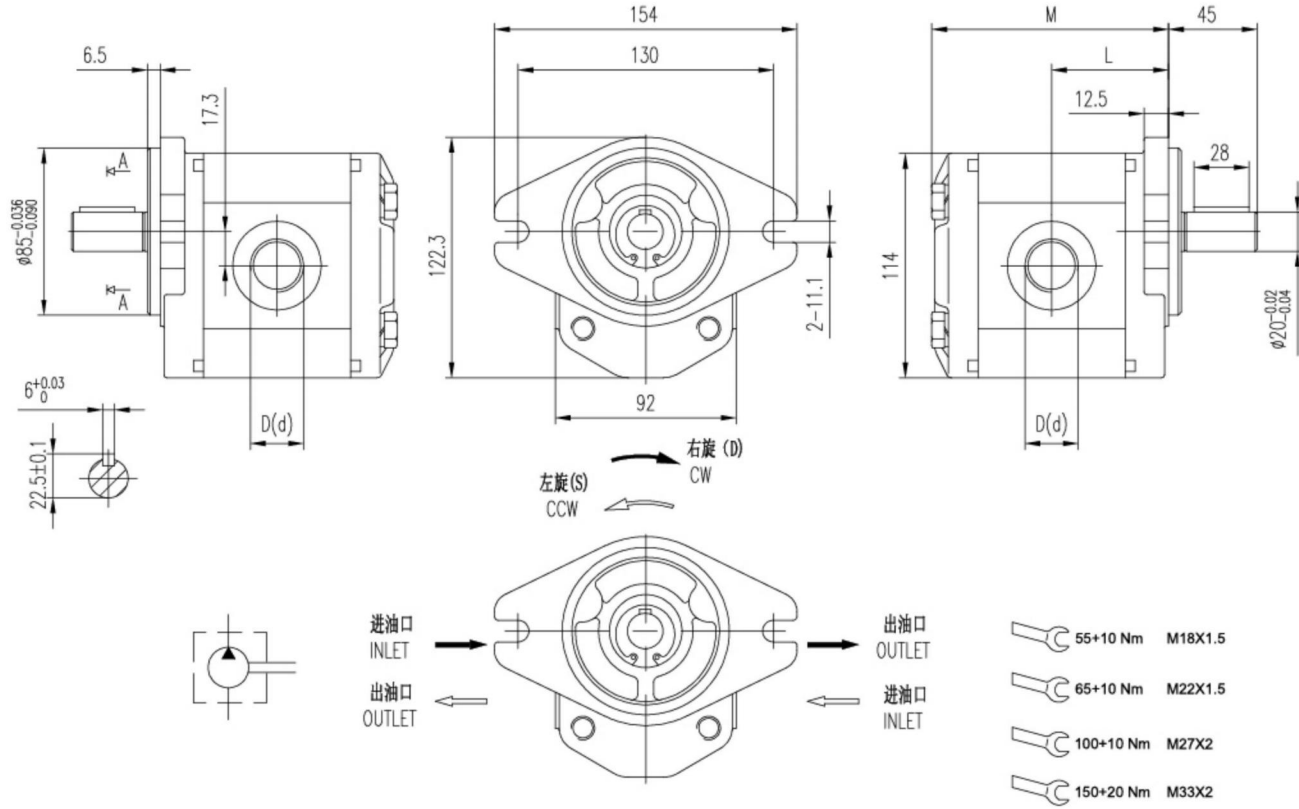


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
R0	10...23	PT3/4	PT1/2
R1	25...45	PT 1	PT3/4

2.5系列/Group 2.5

2.5系列标准型产品尺寸/Group 2.5 Standard Product Dimensions

PAP2.5-A0-D-10-C0-Z0

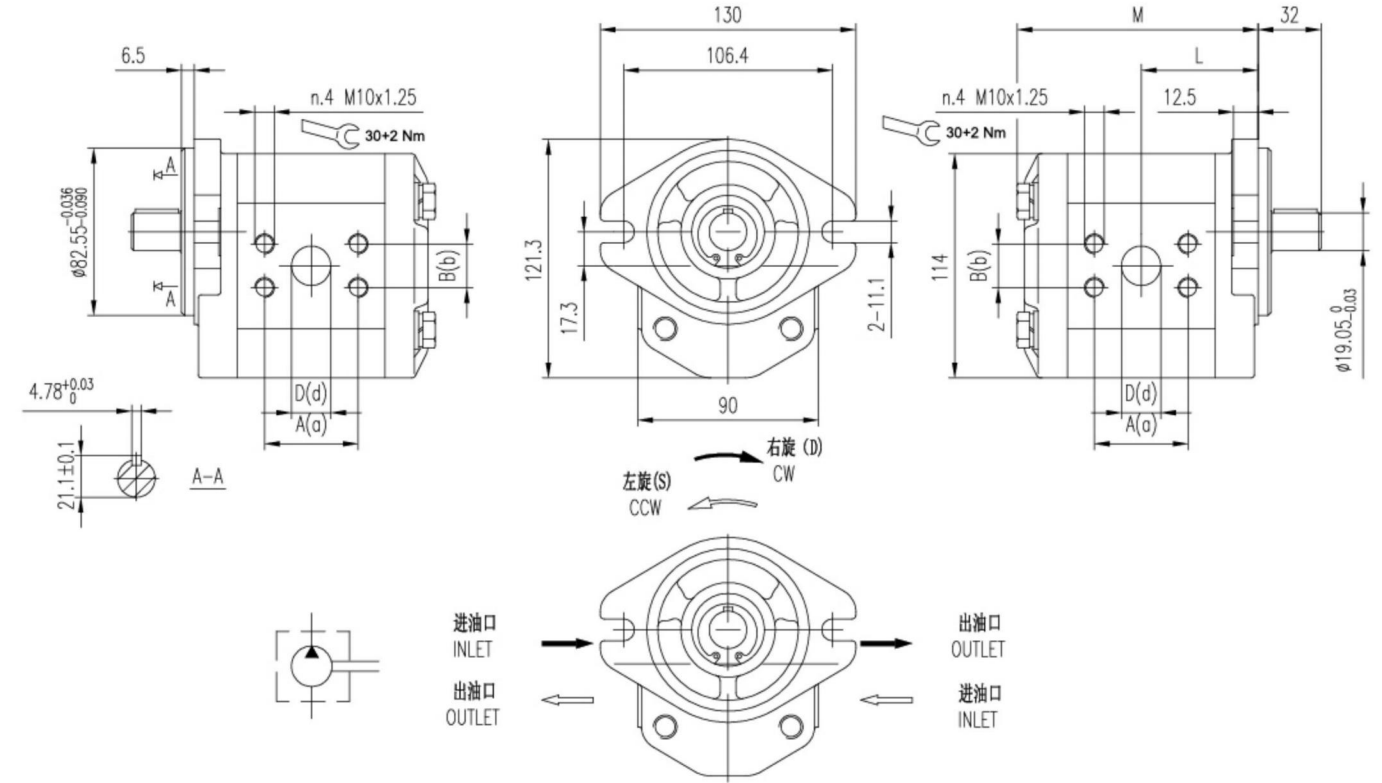


Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3			M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	Kg	mm	mm		D	d
10	250	270	290	4000	4.1	110	53.3	Z0	M22x1.5	M18x1.5
12.5	250	270	290	4000	4.3	113	54.8	Z0	M22x1.5	M18x1.5
14	250	270	290	4000	4.5	115	55.8	Z0	M22x1.5	M18x1.5
16	250	270	290	3500	4.7	118	57.1	Z1	M27x2	M22x1.5
18	250	270	290	3500	4.9	120	58.3	Z1	M27x2	M22x1.5
19	250	270	290	3500	5.0	121	58.8	Z1	M27x2	M22x1.5
20	250	270	290	3500	5.1	123	59.6	Z1	M27x2	M22x1.5
23	230	250	260	3500	5.25	126	61.3	Z2	M33x2	M27x2
25	230	250	260	3500	5.45	129	62.6	Z2	M33x2	M27x2
26.5	230	250	260	3500	5.6	131	63.6	Z2	M33x2	M27x2
28	230	250	260	3500	5.75	133	64.6	Z2	M33x2	M27x2
30	230	250	260	3000	5.95	135	65.6	Z2	M33x2	M27x2
32	200	230	250	3000	6.15	138	67.1	Z2	M33x2	M27x2
36	200	230	250	2750	6.55	142	69.1	Z2	M33x2	M27x2
40	160	180	200	2500	6.9	148	71.6	Z2	M33x2	M27x2
45	160	180	200	2500	7.45	153	74.6	Z2	M33x2	M27x2

2.5系列/Group 2.5

2.5系列标准型产品尺寸/Group 2.5 Standard Product Dimensions

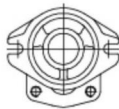
PHP2.5-A1-D-10-C2-F0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		A	B	D	a	b	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
10	250	270	290	4000	800	4.1	110	53.3	F0	47.6	22.2	20	47.6	22.2	13
12.5	250	270	290	4000	800	4.3	113	54.8	F0	47.6	22.2	20	47.6	22.2	13
14	250	270	290	4000	700	4.5	115	55.8	F0	47.6	22.2	20	47.6	22.2	13
16	250	270	290	3500	700	4.7	118	57.1	F0	47.6	22.2	20	47.6	22.2	13
18	250	270	290	3500	600	4.9	120	58.3	F1	52.4	26.2	25	47.6	22.2	20
19	250	270	290	3500	600	5.0	121	58.8	F1	52.4	26.2	25	47.6	22.2	20
20	250	270	290	3500	500	5.1	123	59.6	F1	52.4	26.2	25	47.6	22.2	20
23	230	250	260	3500	500	5.25	126	61.3	F1	52.4	26.2	25	47.6	22.2	20
25	230	250	260	3500	500	5.45	129	62.6	F1	52.4	26.2	25	47.6	22.2	20
26.5	230	250	260	3500	500	5.6	131	63.6	F1	52.4	26.2	25	47.6	22.2	20
28	230	250	260	3500	500	5.75	133	64.6	F1	52.4	26.2	25	47.6	22.2	20
30	230	250	260	3000	400	5.95	135	65.6	F1	52.4	26.2	25	47.6	22.2	20
32	200	230	250	3000	400	6.15	138	67.1	F1	52.4	26.2	25	47.6	22.2	20
36	200	230	250	2750	400	6.55	142	69.1	F1	52.4	26.2	25	47.6	22.2	20
40	160	180	200	2500	400	6.9	148	71.6	F1	52.4	26.2	25	47.6	22.2	20
45	160	180	200	2500	400	7.45	153	74.6	F1	52.4	26.2	25	47.6	22.2	20

2.5D系列/Group 2.5D

2.5D系列选型规则/Group 2.5D Ordering Code Rules

P	A	P	2.5D	A0	D	23	H0	X	L0	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.5D 2.5D系列 Group 2.5D		D 顺时针 Clockwise S 逆时针 Counter clockwise	23 25 26.5 28 30 32 36 40					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进出口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover				轴伸 Shaft			泵体油口 Ports		特殊结构 Special structure		
A0 菱形前盖(止口Φ82.55) Diamond front cover (centering Φ82.55mm) 				C0 平键轴 Φ18 straight keyed Φ18  H0 矩形花键轴 Rectangle splineshaft ┐ 4-18x15x5  H1 矩形花键轴 Rectangle splineshaft ┐ 6-20x16x4  S0 渐开线花键轴 Involute spline shaft EXT122-1.5m-30°  S1 SAE花键轴 SAE spline shaft DP16/32-30°-10T  S2 SAE花键轴 SAE spline shaft DP16/32-30°-11T  S3 SAE花键轴 SAE spline shaft DP16/32-30°-13T 			F 矩形法兰 Split flange  X 泵体无油口 Body without ports 		L0 省略-默认普通 omit-regular  后盖带进出口 Back cover with oil inlet and outlet 		
详见 126 页 See page 126 for details				详见 126 页 See page 126 for details			详见 127 页 See page 127 for details		详见 127 页 See page 127 for details		

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2.5D系列/Group 2.5D

2.5D系列标准型产品概览/Group 2.5D Standard Product Overview

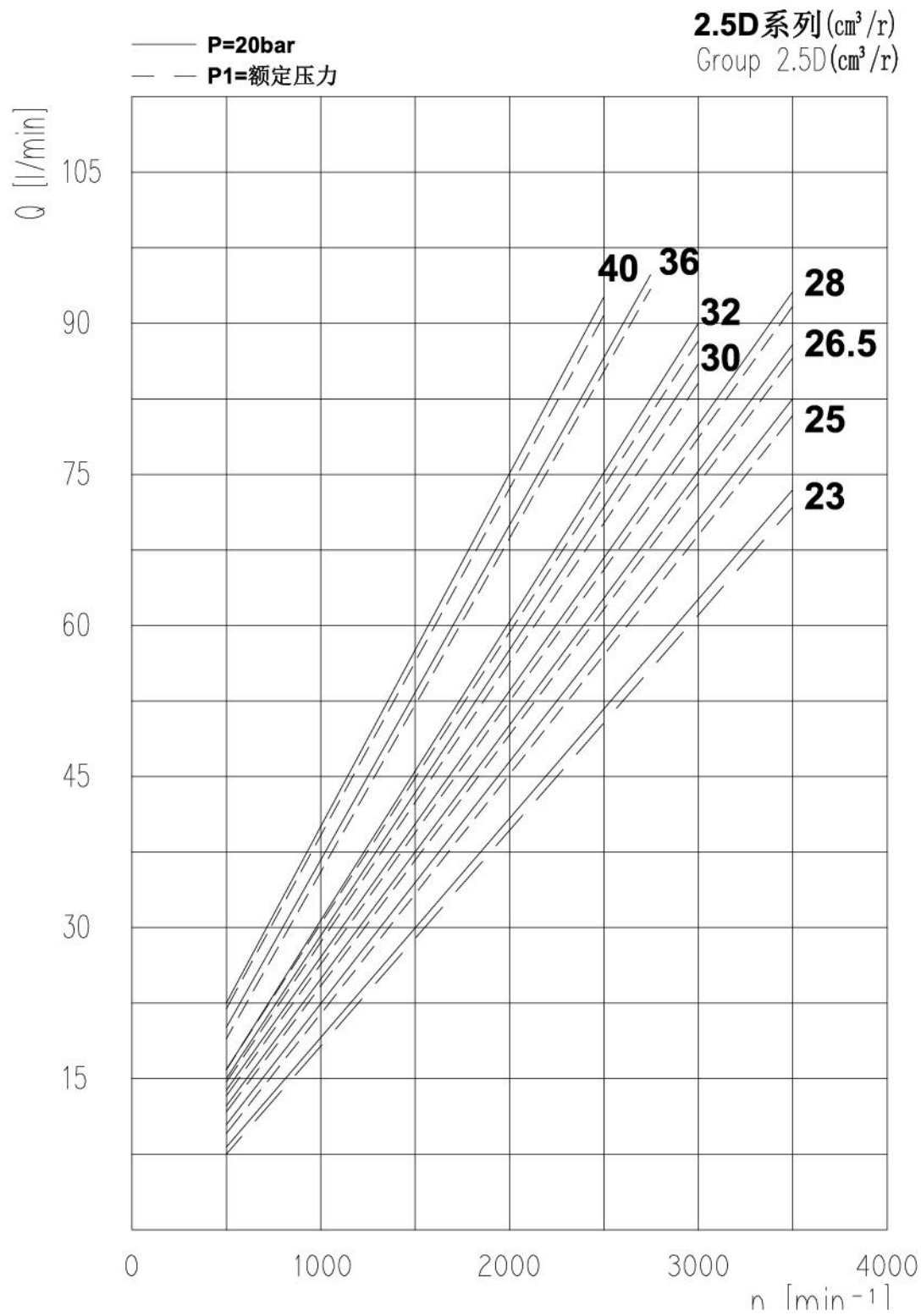
型式 type		
页码 page	128	129

2.5D系列排量参数表/Group 2.5D Displacement parameter table

排量 Displacement	V	cm ³ /rev	23	25	26.5	28	30	32	36	40	
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3								
最高连续压力 Max. continuous pressure	P1		230						200		160
最高间隙压力 Max. intermittent pressure	P2		250						230		180
最高峰值压力 Max. peak pressure	P3		260						250		200
最低转速 Min. speed	n _{min}	r/min	600						500		
最高转速 Max. speed	n _{max}		3500				3000		2750	2500	
容积效率 Volumetric efficiency	η _v	%	≥92			≥93		≥94		≥95	

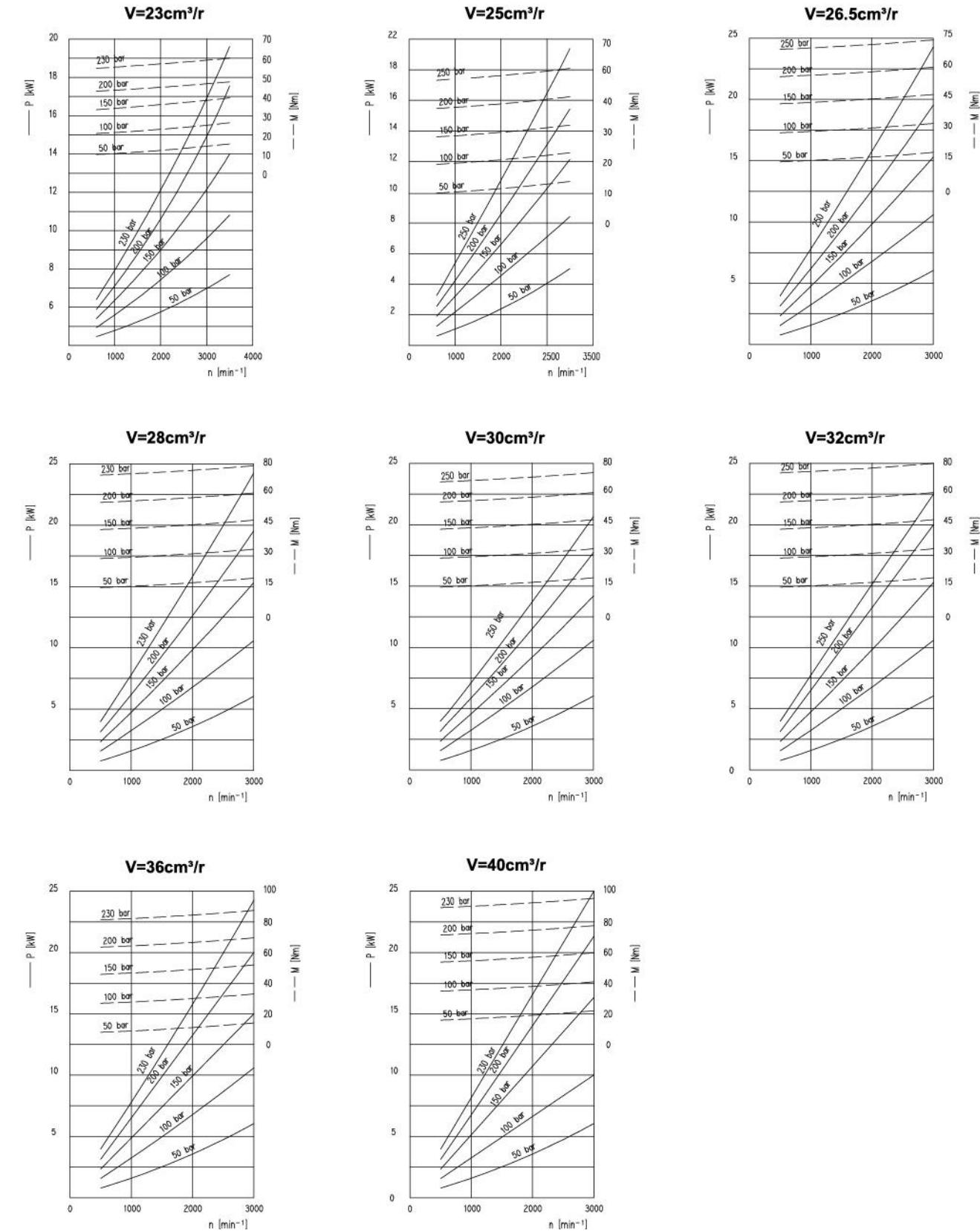
2.5D系列/Group 2.5D

2.5D系列流量性能曲线表/Group 2.5D Flow Performance Curve Table



2.5D系列/Group 2.5D

2.5D系列功率性能曲线表/Group 2.5D Power Performance Curve Table



2.5D系列/Group 2.5D

2.5D系列噪音曲线表/Group 2.5D Noise Curve Table

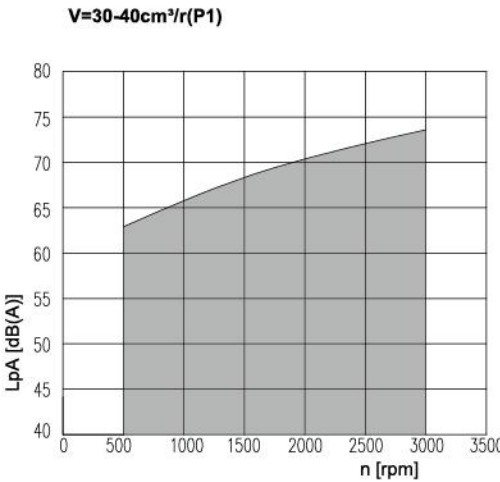
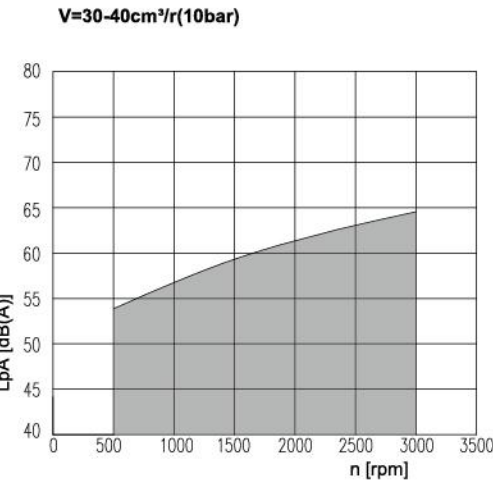
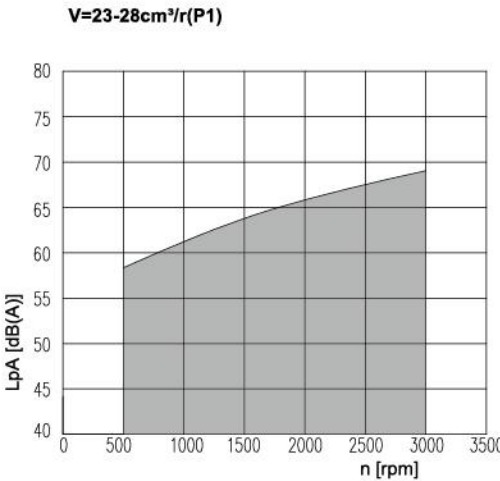
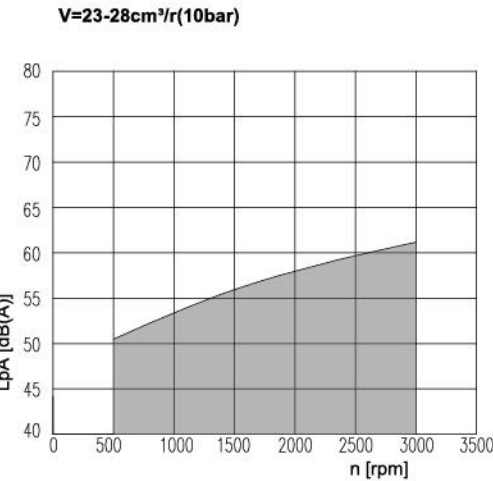
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range;This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s},\theta=50^\circ\text{C}$.

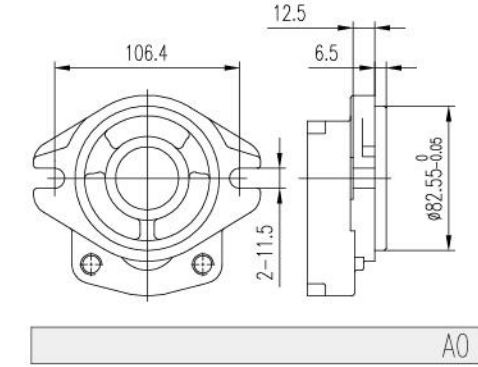
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

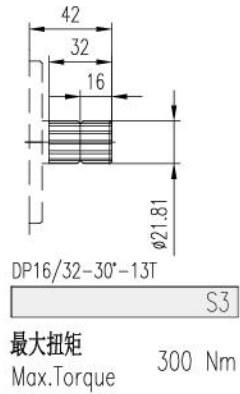
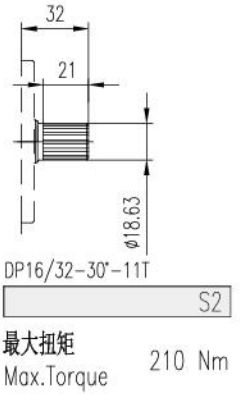
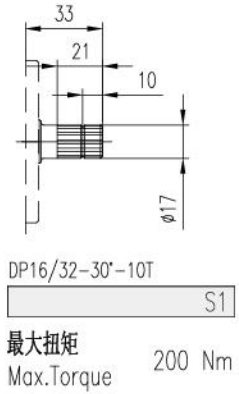
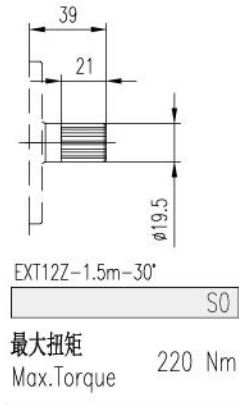
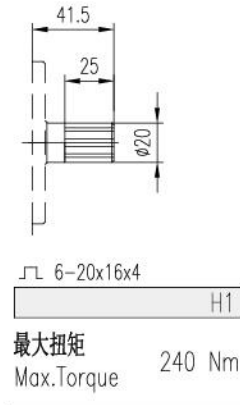
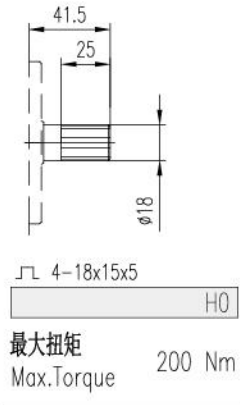
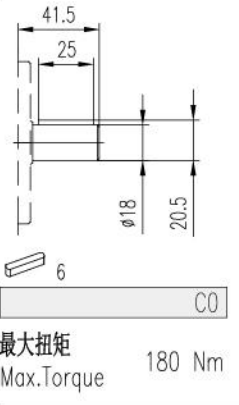


2.5D系列/Group 2.5D

前盖/FRONT COVER

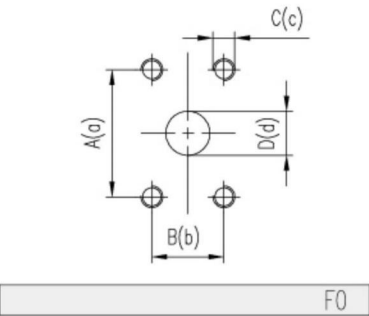


轴伸/SHAFTS



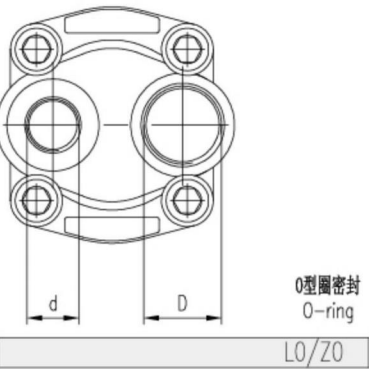
2.5D系列/Group 2.5D

泵体油口/PORTS



油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
		A	B	C	D	a	b	c	d
F0	23...36	52.4	26.2	M10x1.25	25	47.6	22.2	M10x1.25	20
F0	40	52.4	26.2	M10x1.25	28	47.6	22.2	M10x1.25	20

特殊结构/SPECIAL STRUCTRE

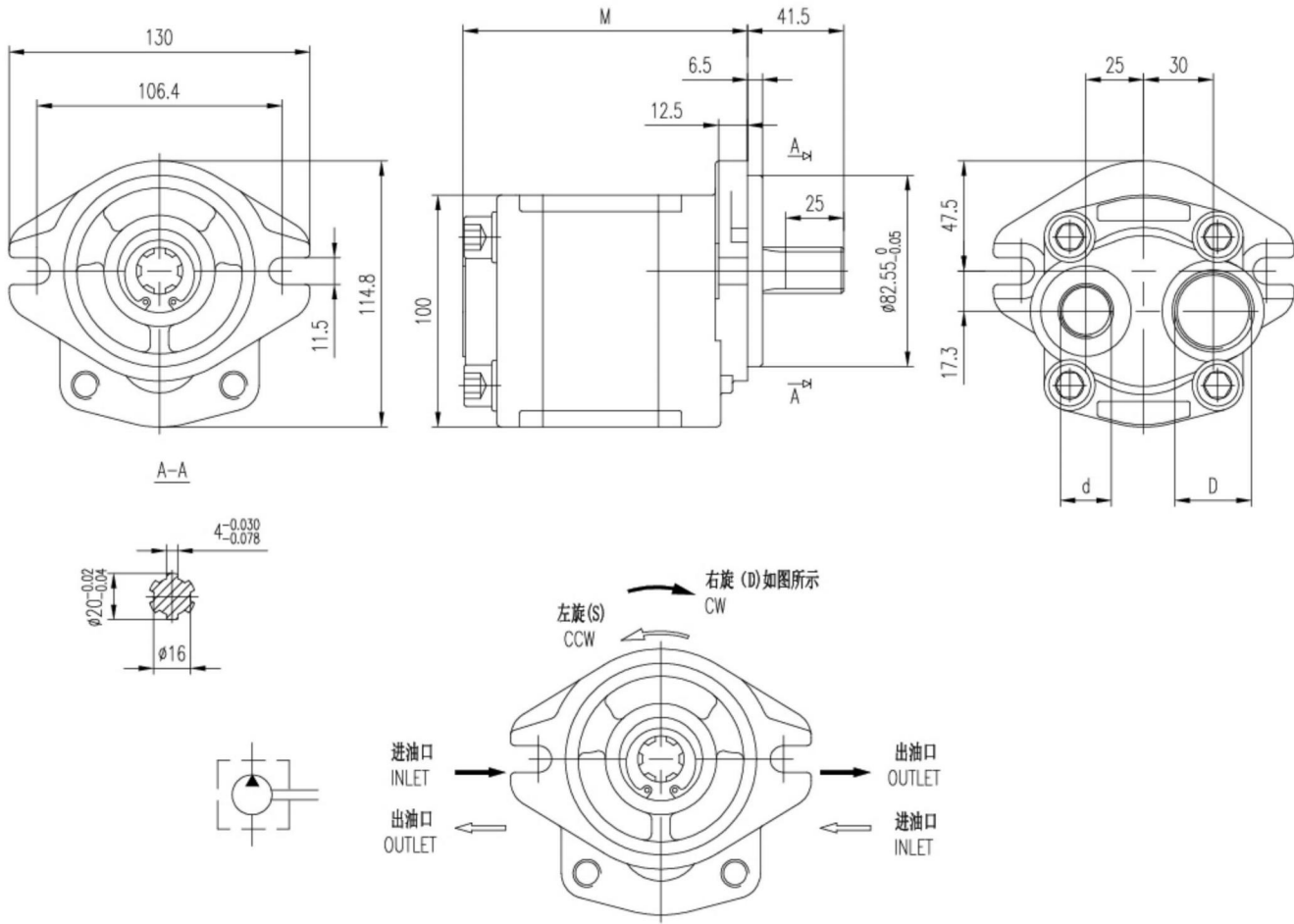


代号 CODE	进油口 INLET	出油口 OUTLET
	D	d
L0	G1	G1/2
Z0	M33X2	M22X1.5

2.5D系列/Group 2.5D

2.5D系列标准型产品尺寸/Group 2.5D Standard Product Dimensions

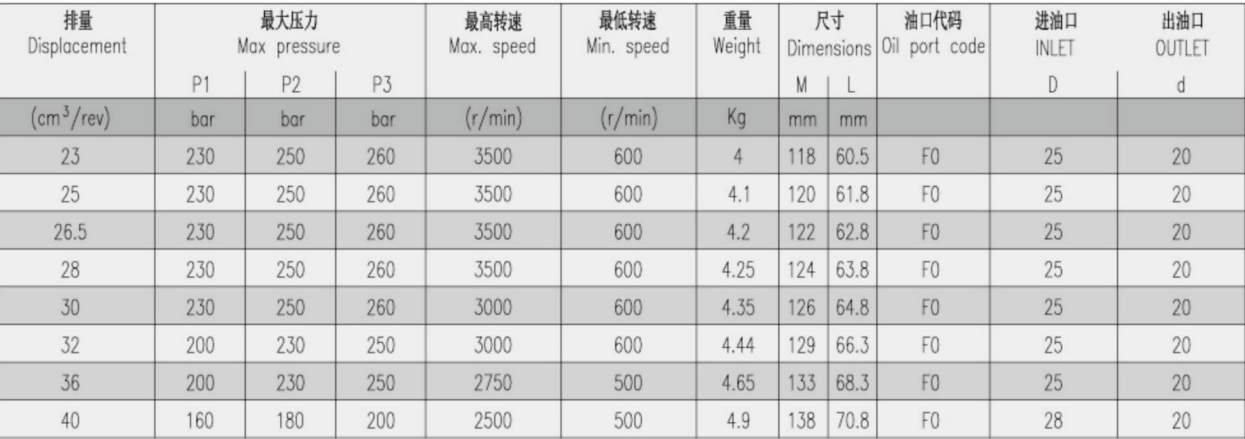
PAP2.5D-A0-D-23-H1-X-L0



100•10 Nm M27X2
150•20 Nm M33X2

排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3						D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm			
23	230	250	260	3500	600	4	118	L0	G1	G1/2
25	230	250	260	3500	600	4.1	120	L0	G1	G1/2
26.5	230	250	260	3500	600	4.2	122	L0	G1	G1/2
28	230	250	260	3500	600	4.25	124	L0	G1	G1/2
30	230	250	260	3000	600	4.35	126	L0	G1	G1/2
32	200	230	250	3000	600	4.44	129	L0	G1	G1/2
36	200	230	250	2750	500	4.65	133	L0	G1	G1/2
40	160	180	200	2500	500	4.9	138	L0	G1	G1/2

PAP2.5D-A0-D-23-S3-F0



P	H	P	2.6	A1	D	10	C1	E0	省略/omit	省略/omit	省略/omit
材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other	
前、后盖材料 为铸铁压力 Front and end cover material cast iron	泵 Pump	2.6 2.6系列 Group 2.6 2.6Y 2.6Y系列 Group 2.6Y		D 顺时针转 Clockwise S 逆时针转 Counter clockwise	6 8 10 12 14 16 19 22 25 28 30 32 36 38 40					特殊设计 special designing	
可选项 Options 省略-幅度范围在-10℃~+80℃, 进油口最高绝对压力为5bar. Omit-Range between -10℃ and +80℃ inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 幅度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 幅度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如果其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover			轴伸 Shaft		泵体油口 Ports			特殊结构 Special structure			
A1	 菱形前盖(止口Φ82.55) Diamond front cover (centering Φ82.55mm)	C1 平键轴 Φ18 straight keyed Φ18 C2 平键轴 Φ19.05 straight keyed Φ19.05 C6 平键轴 Φ22.2 straight keyed Φ22.2	 	E 矩形法兰 Rectangular flange F 矩形法兰 Rectangular flange F 矩形法兰 Split flange	 	省略-默认普通 omit-regular 后盖带进出口 Back cover with inlet and outlet	 				
A2	 菱形前盖(止口Φ101.6) Diamond front cover (centering Φ101.6mm)	H1 矩形花键轴 Rectangle spline shaft 4-18x15x5 H2 矩形花键轴 Rectangle spline shaft 6-20x16x4 S0 渐开线花键轴 Involute spline shaft EXT122-1.5m-30° S1 SAE花键轴 SAE spline shaft DP16/32-30°-10T S2 SAE花键轴 SAE spline shaft DP16/32-30°-11T S3 SAE花键轴 SAE spline shaft DP16/32-30°-13T	 	Z 公制螺纹 (M) Metric thread L 英制管螺纹 (G) Gas thread U 美制管螺纹 (UNF-2B) UNF thread R 英制锥螺纹 (PT) PT thread X 泵体无油口 Body without ports	 						
详见 136 页 See page 136 for details			详见 137 页 See page 137 for details		详见 138-139 页 See page 165-166 for details			详见 139 页 See page 166 for details			

If you need other models, please see the details page or contact our engineers.

2.6系列/Group 2.6

2.6系列标准型产品概览/Group 2.6 Standard Product Overview

型式 type			
页码 page	140	141	142
型式 type			
页码 page	143	144	

2.6系列排量参数表/Group 2.6 Displacement parameter table

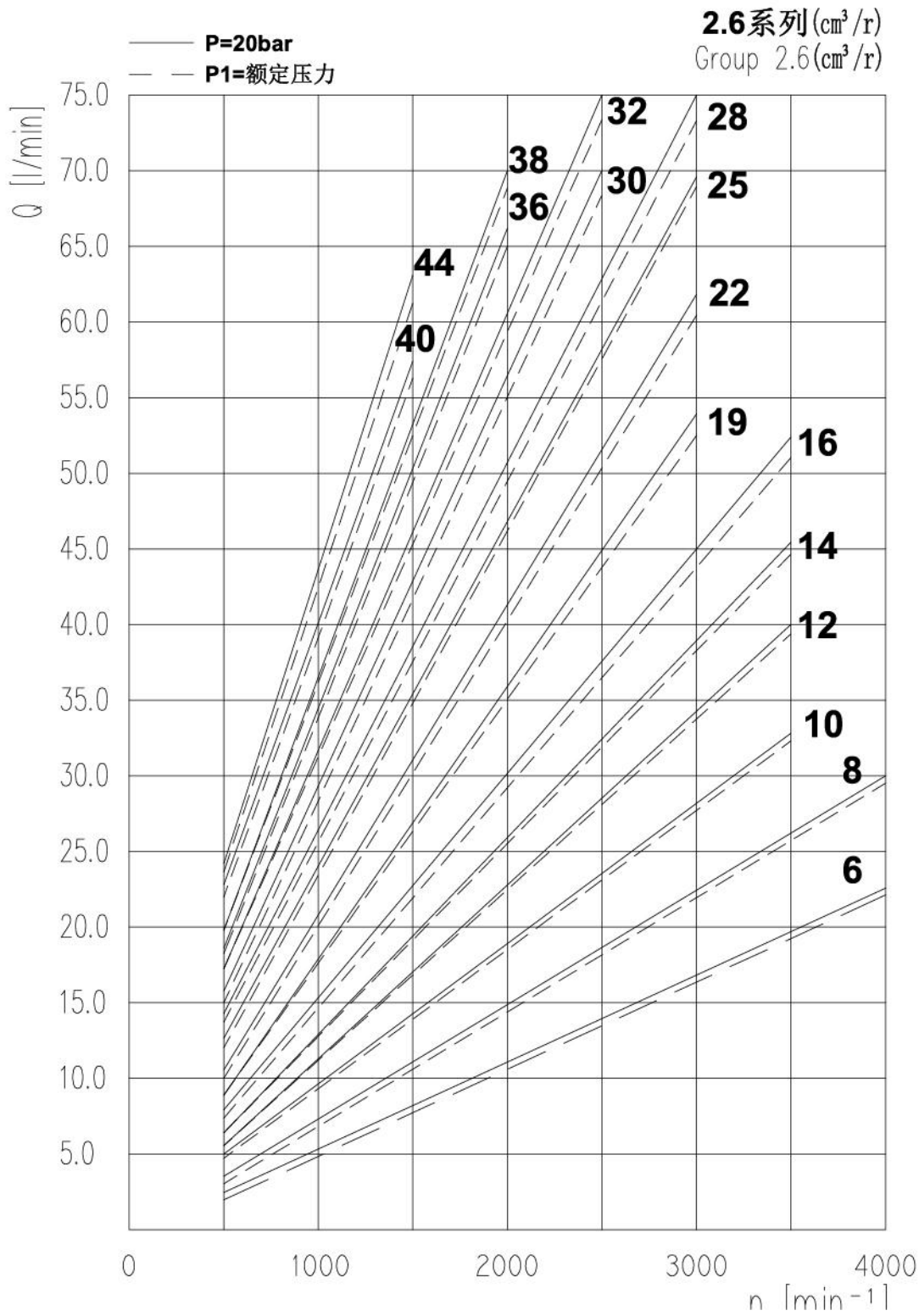
排量 Displacement	V	cm ³ /rev	6	8	10	12	14	16	19	22	25	28	30	32	36	38	40	44
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3															
最高连续压力 Max. continuous pressure	P1		250										230		200		170	
最高间隙压力 Max. intermittent pressure	P2		280										250		230		190	
最高峰值压力 Max. peak pressure	P3		300										260		250		210	
最低转速 Min. speed	n _{Min}	r/min	800		700		600		500				400					
最高转速 Max. speed	n _{Max}		4000			3500			3000						2750		2500	
容积效率 Volumetric efficiency	η _v	%	≥92						≥93				≥94				≥95	

2.6Y系列排量参数表/Group 2.6Y Displacement parameter table

排量 Displacement	V	cm ³ /rev	16	19	22	25	28	30	32	36	38	40	44	50
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3											
最高连续压力 Max. continuous pressure	P1		250						230		200		170	
最高间隙压力 Max. intermittent pressure	P2		280						250		230		190	
最高峰值压力 Max. peak pressure	P3		300						260		250		210	
最低转速 Min. speed	n _{Min}		r/min	200		150								
最高转速 Max. speed	n _{Max}	3500		3000						2750		2500		
容积效率 Volumetric efficiency	η _v	%	≥95											

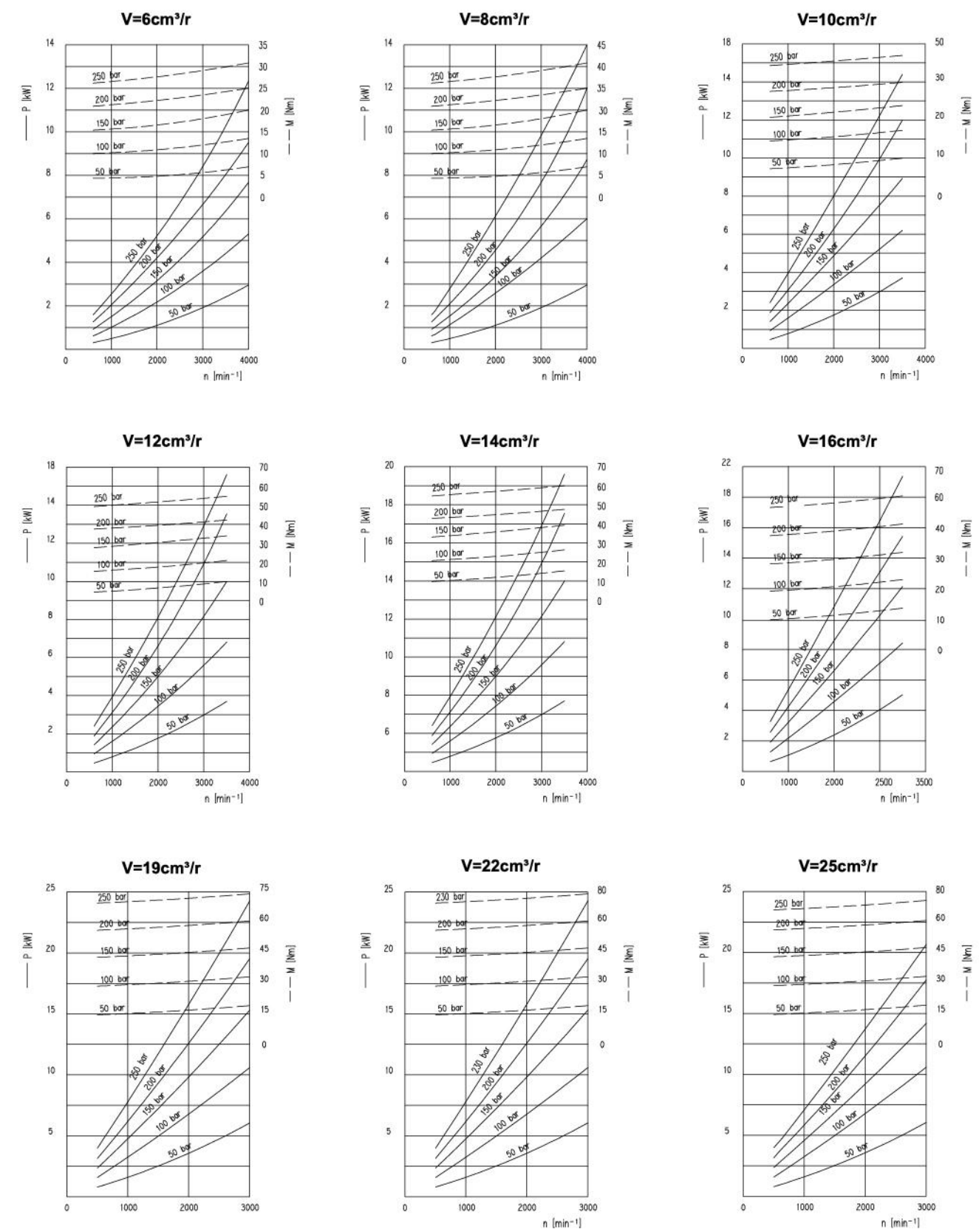
2.6系列/Group 2.6

2.6系列流量性能曲线表/Group 2.6 Flow Performance Curve Table



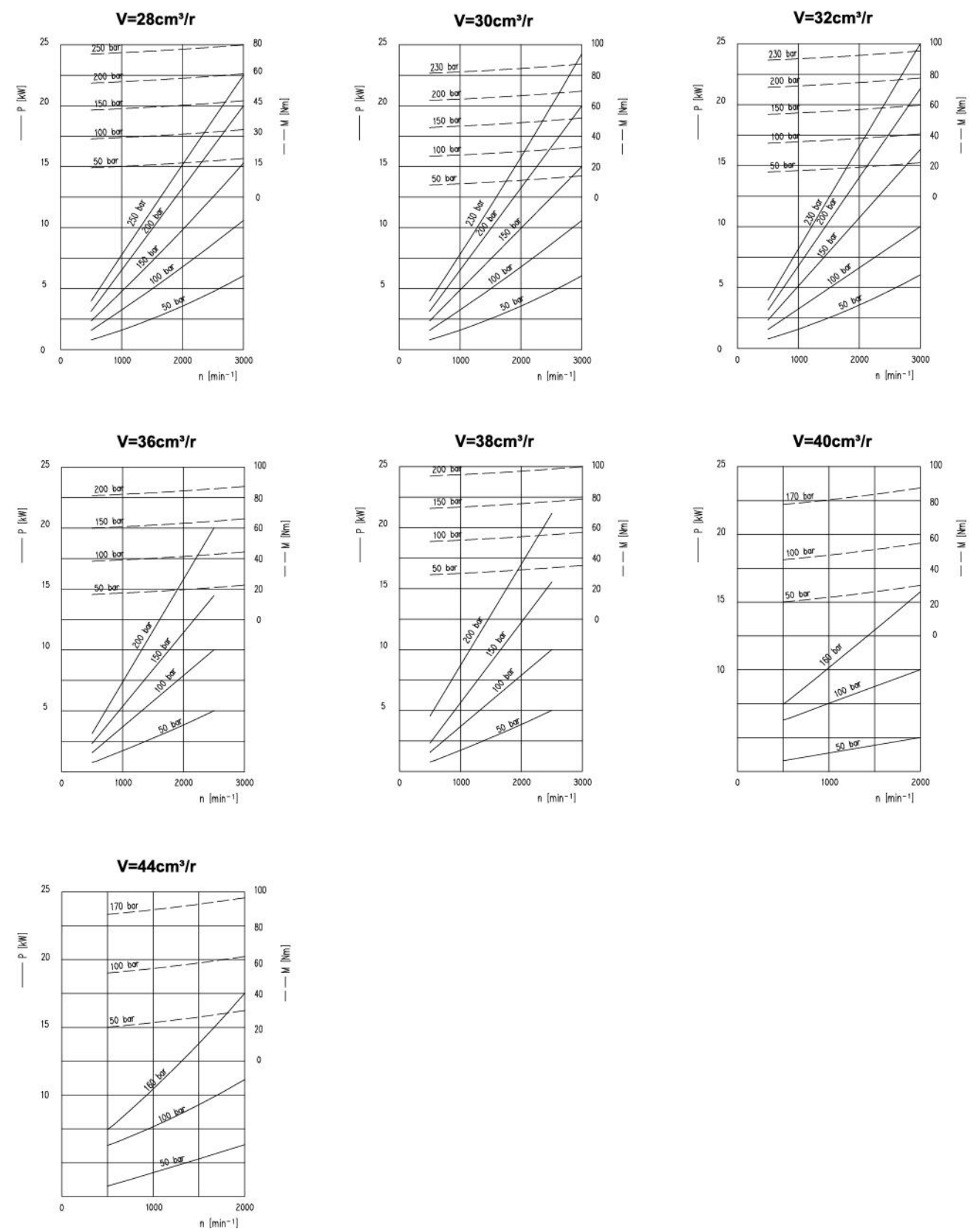
2.6系列/Group 2.6

2.6系列功率性能曲线表/Group 2.6 Power Performance Curve Table



2.6系列/Group 2.6

2.6系列功率性能曲线表/Group 2.6 Power Performance Curve Table



2.6系列/Group 2.6

2.6系列噪音曲线表/Group 2.6 Noise Curve Table

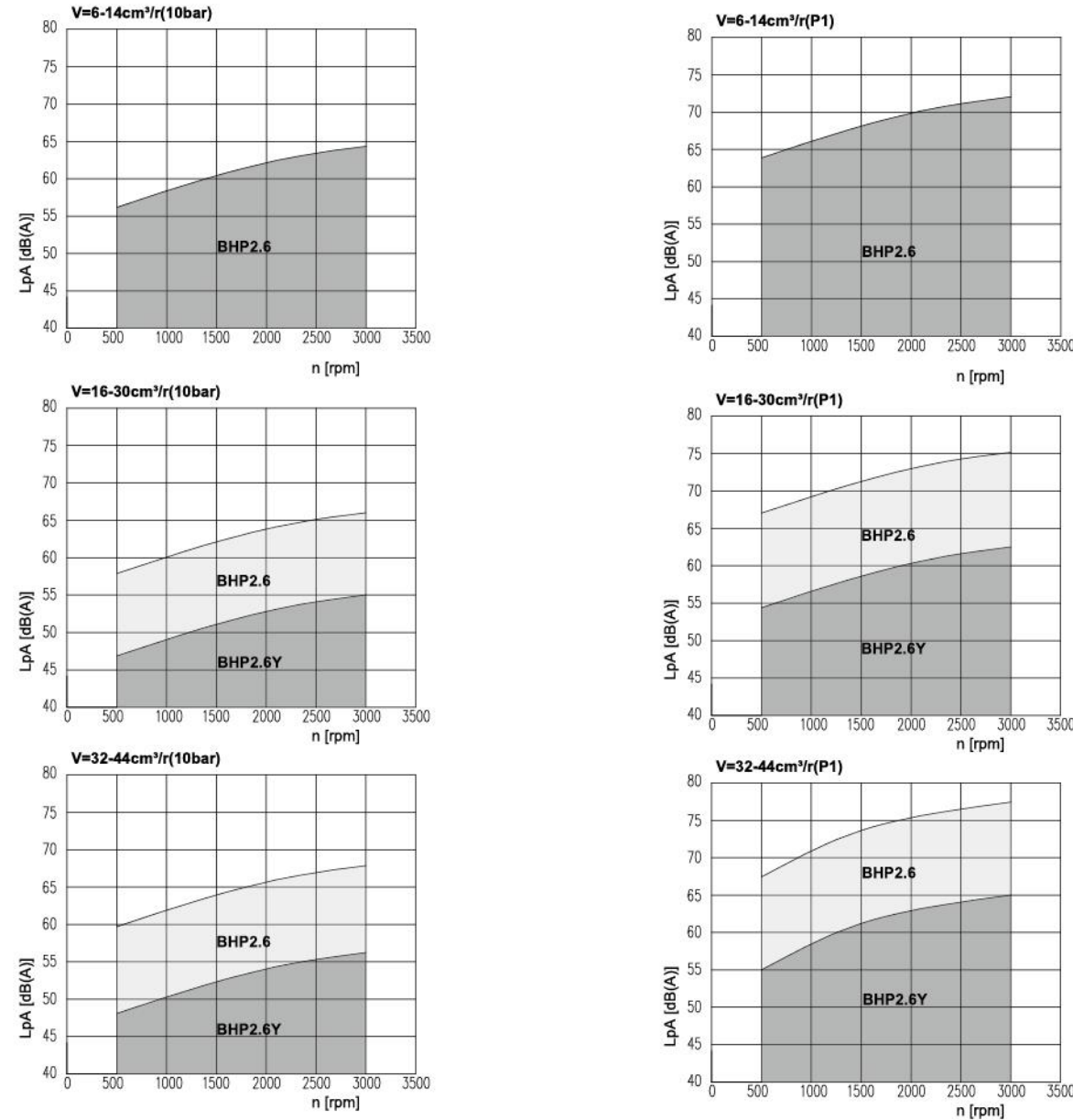
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range;This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s},\theta=50^\circ\text{C}$.

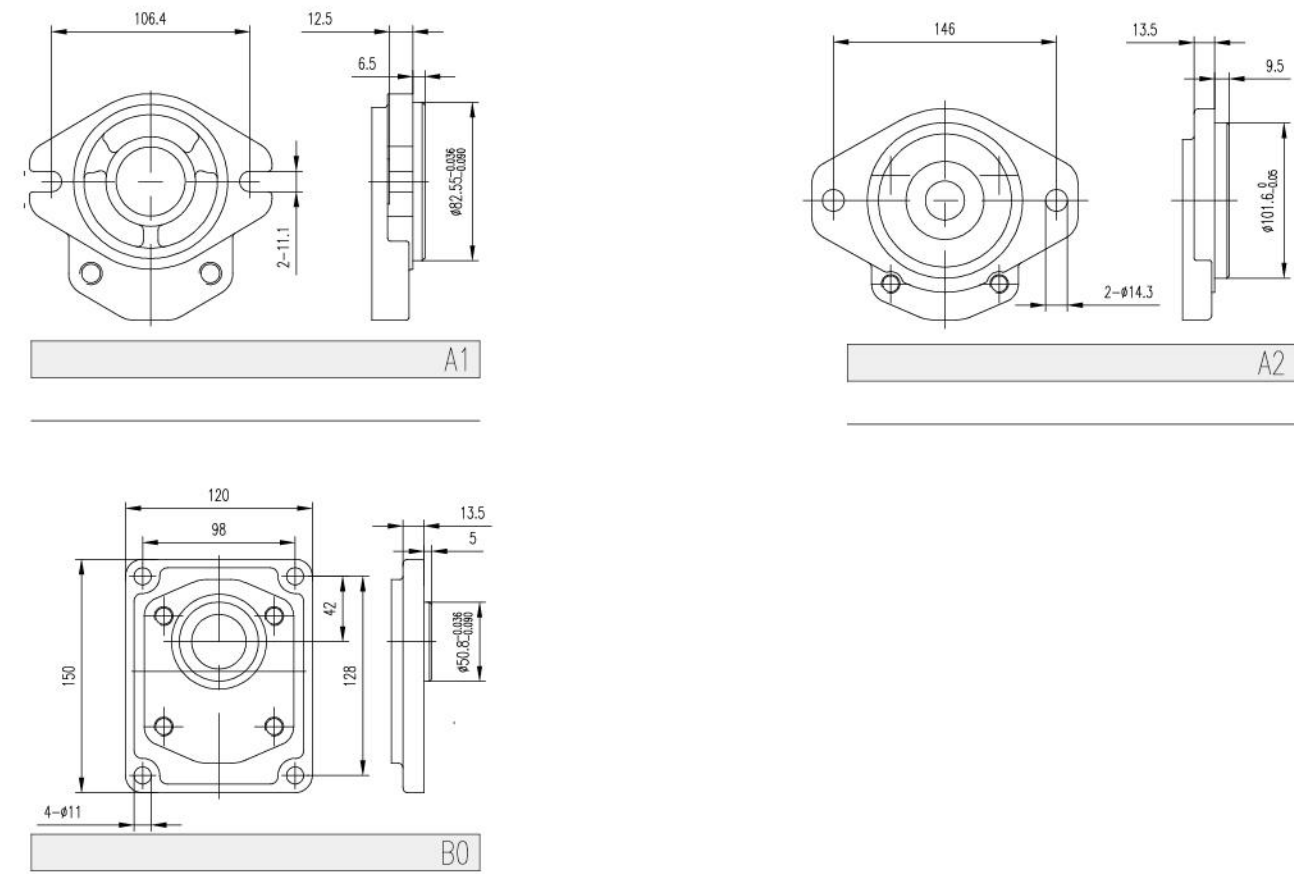
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离: 1 米。
Distance between measuring sensor and hydraulic pump: 1m.



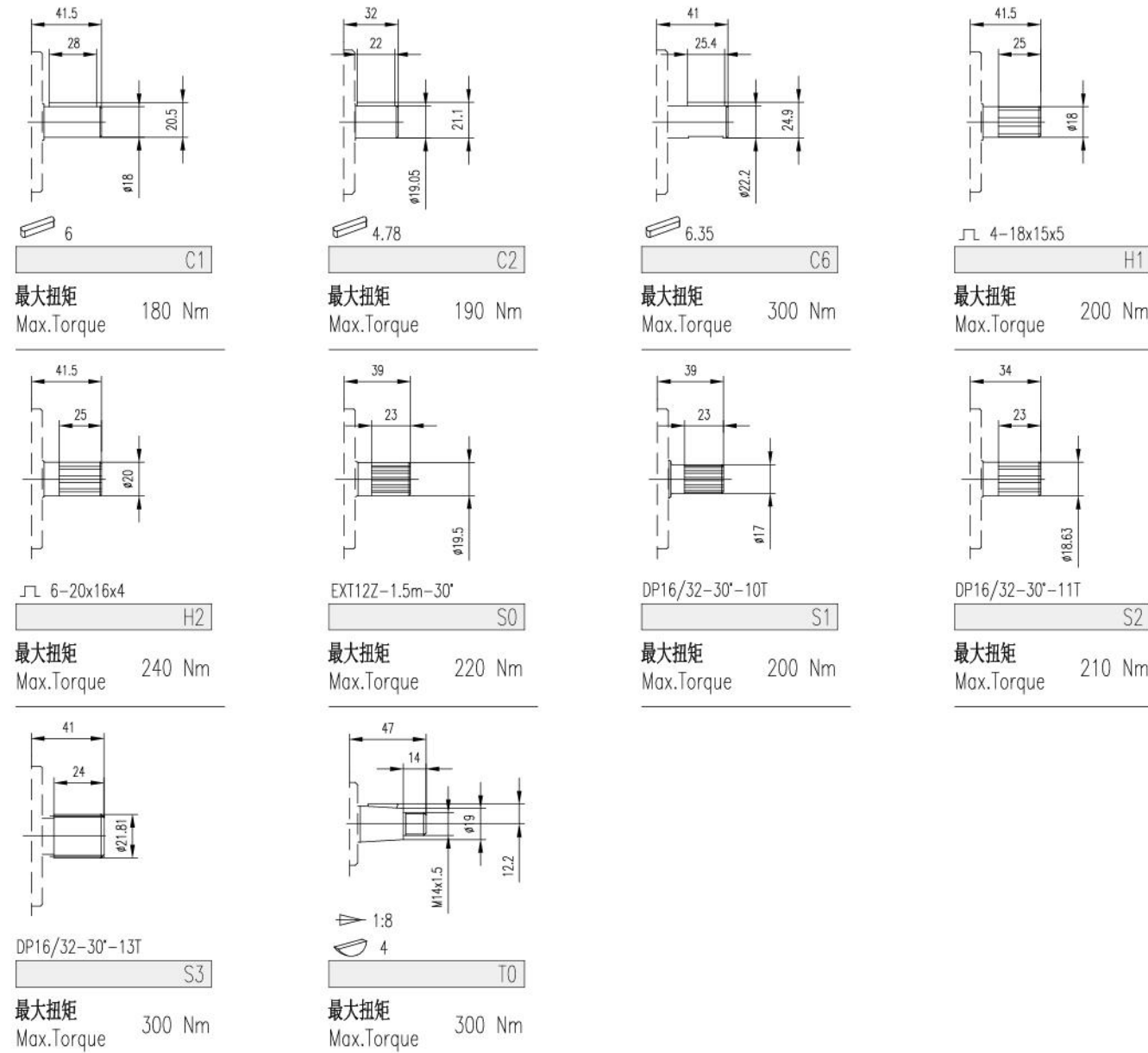
2.6系列/Group 2.6

前盖/FRONT COVER



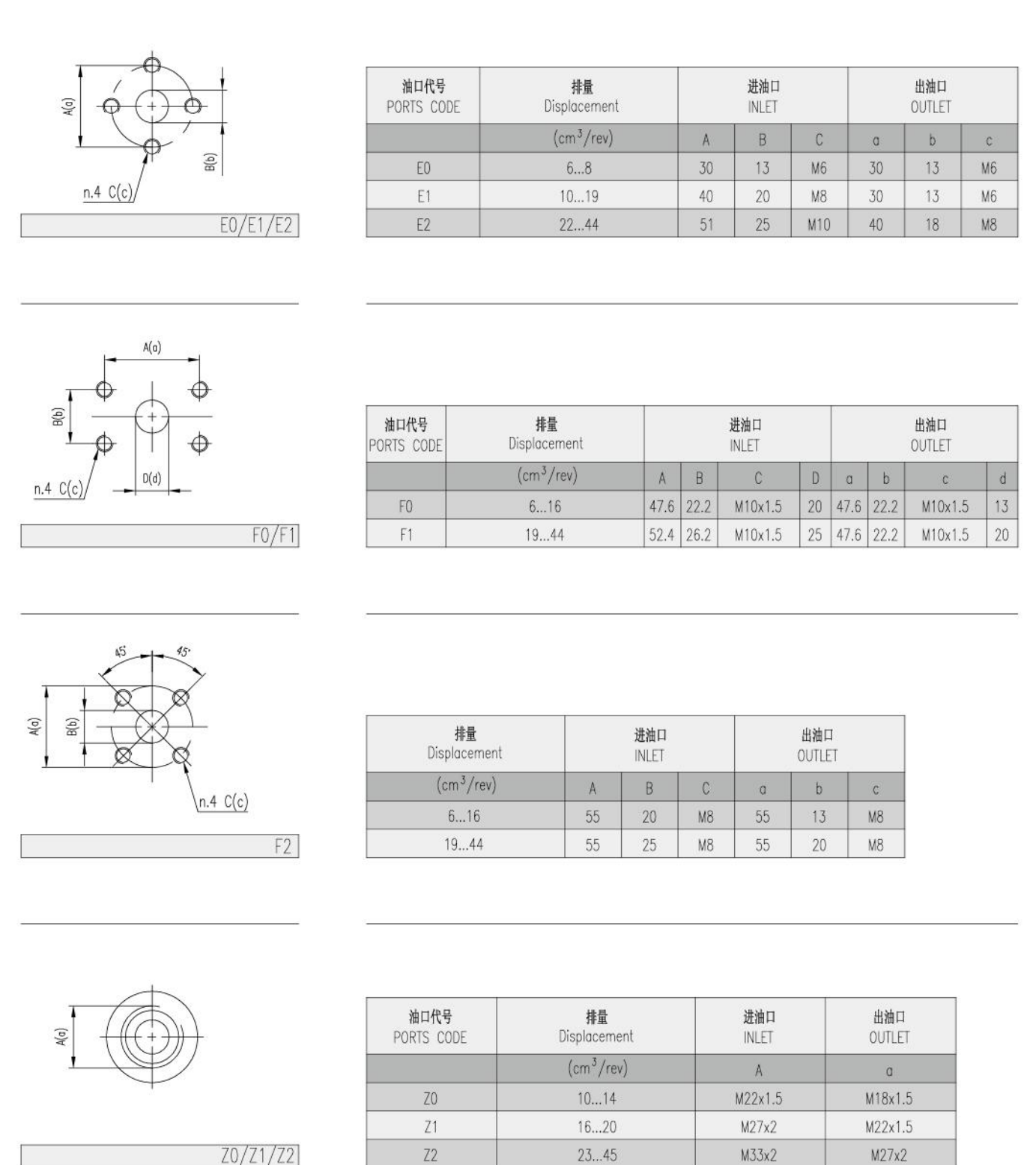
2.6系列/Group 2.6

轴伸/SHAFTS



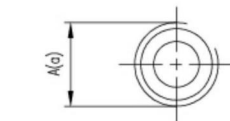
2.6系列/Group 2.6

泵体油口/PORTS



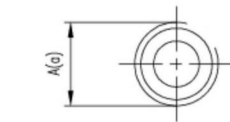
2.6系列/Group 2.6

泵体油口/PORTS



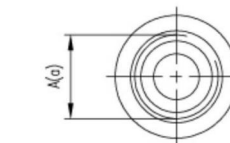
L0/L1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	10...23	G3/4	G1/2
L1	25...45	G 1	G3/4



R0/R1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
R0	6...22	PT3/4	PT1/2
R1	25...44	PT 1	PT3/4

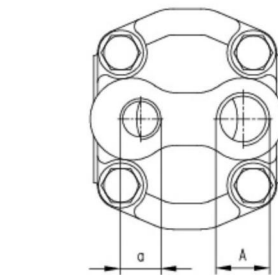


0型圈密封
O-ring

U0/U1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	6...22	1 1/16-12 UNF	7/8-14 UNF
U1	25...44	1 5/16-12 UNF	1 1/16-12 UNF

特殊结构/SPECIAL STRUCTRE



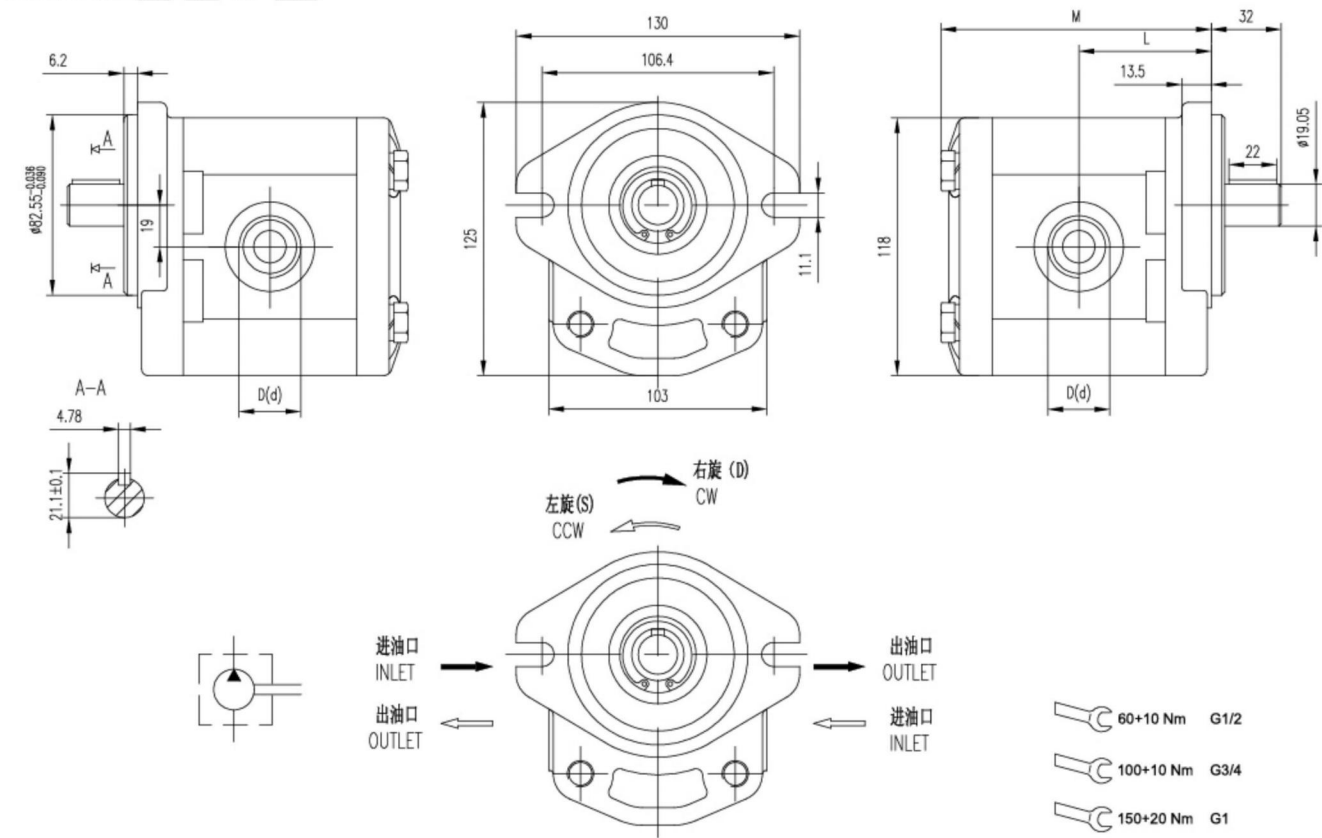
L0/R0/Z0

代号 CODE	进油口 INLET	出油口 OUTLET
	A	a
L0	G3/4	G1/2
R0	PT3/4	PT1/2
Z0	M22X1.5	M18X1.5

2.6系列/Group 2.6

2.6系列标准型产品尺寸/Group 2.6 Standard Product Dimensions

PHP2.6-A1-D-6-C2-L0

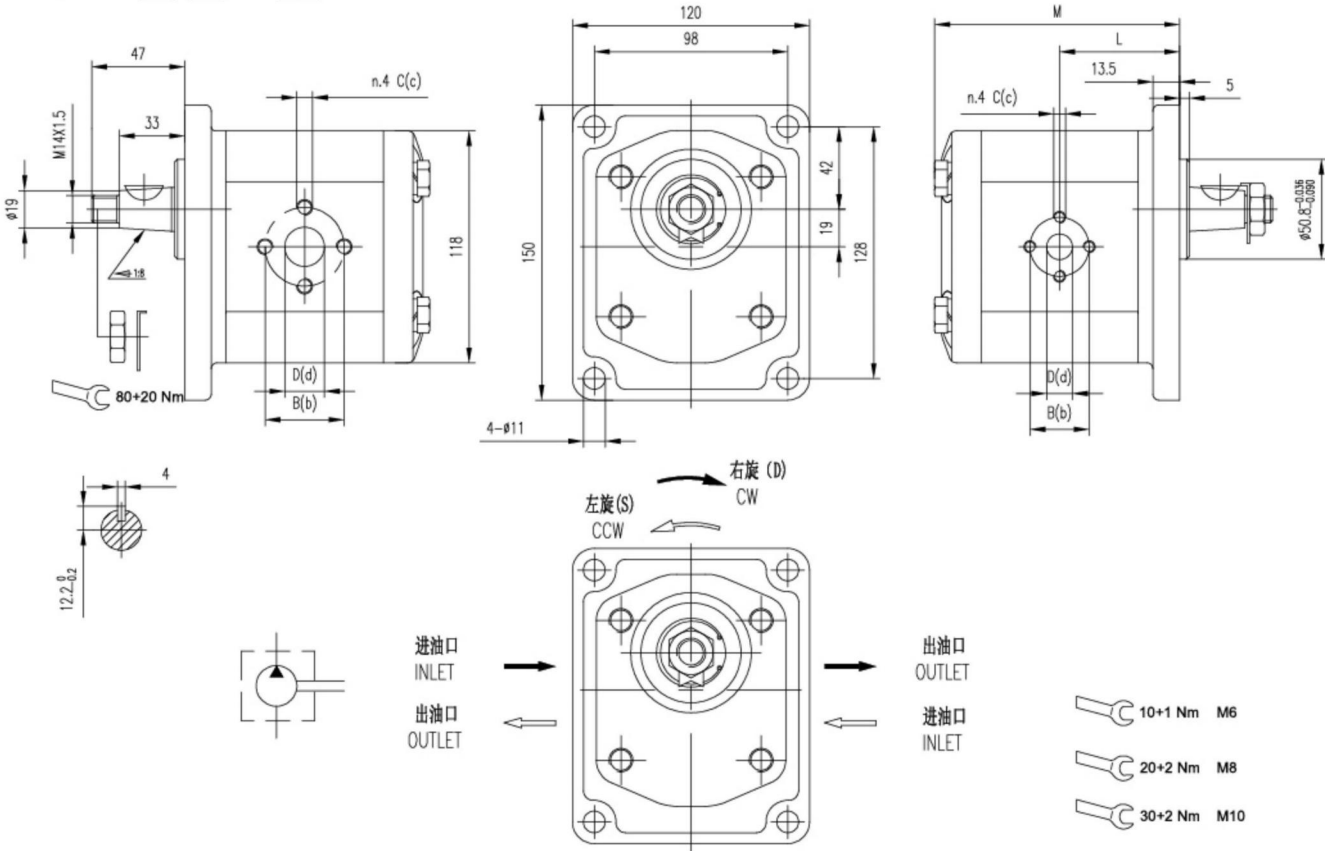


排量 Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Max. speed (r/min)	最低转速 Min. speed (r/min)	重量 Weight Kg	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET D	出油口 OUTLET d
	P1	P2	P3				M	L			
6	250	280	300	4000	800	4	103	49.3	L0	G3/4	G1/2
8	250	280	300	4000	800	4.3	105	50.3	L0	G3/4	G1/2
10	250	280	300	4000	700	4.6	107	51.3	L0	G3/4	G1/2
12	250	280	300	3500	700	4.9	110	52.5	L0	G3/4	G1/2
14	250	280	300	3500	600	5.2	111	53.3	L0	G3/4	G1/2
16	250	280	300	3500	600	5.5	114	54.5	L0	G3/4	G1/2
19	250	280	300	3000	500	5.8	117	56.3	L0	G3/4	G1/2
22	250	280	300	3000	500	6.1	121	58.0	L0	G3/4	G1/2
25	250	280	300	3000	500	6.4	123	59.3	L1	G1	G3/4
28	250	280	300	3000	500	6.7	126	60.8	L1	G1	G3/4
30	230	250	260	3000	500	7.0	129	62.0	L1	G1	G3/4
32	230	250	260	3000	400	7.3	131	63.3	L1	G1	G3/4
36	200	230	250	2750	400	7.6	135	65.3	L1	G1	G3/4
38	200	230	250	2750	400	7.9	137	66.3	L1	G1	G3/4
40	170	190	210	2500	400	8.2	139	67.3	L1	G1	G3/4
44	170	190	210	2500	400	8.5	144	69.5	L1	G1	G3/4

2.6系列/Group 2.6

2.6系列标准型产品尺寸/Group 2.6 Standard Product Dimensions

PHP2.6-B0-D-6-T0-E0

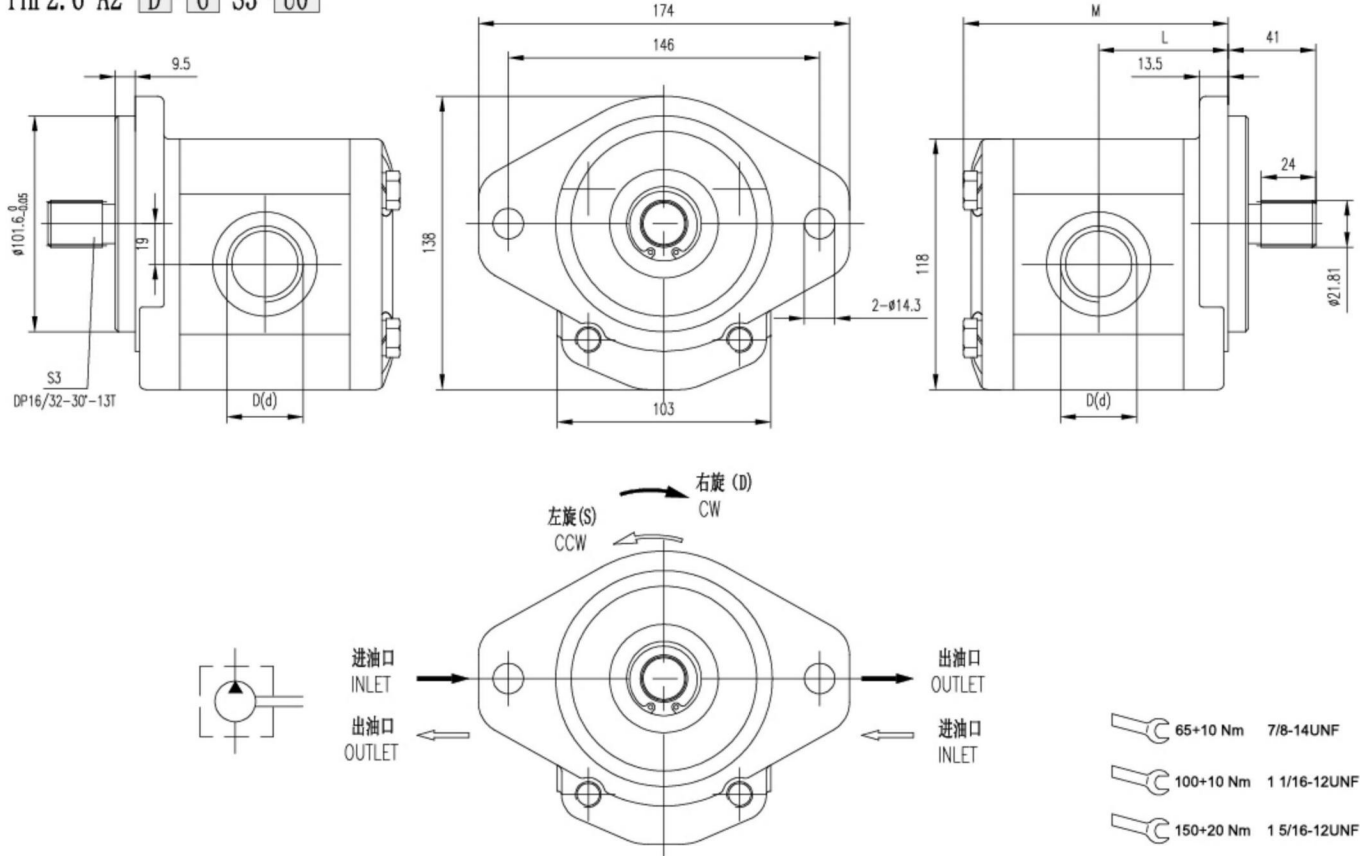


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	C	b	d	c
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm		mm	mm	mm
6	250	280	300	4000	800	4	103	49.3	E0	30	13	M6	30	13	M6
8	250	280	300	4000	800	4.3	105	50.3	E0	30	13	M6	30	13	M6
10	250	280	300	4000	700	4.6	107	51.3	E1	40	20	M8	30	13	M6
12	250	280	300	3500	700	4.9	110	52.5	E1	40	20	M8	30	13	M6
14	250	280	300	3500	600	5.2	111	53.3	E1	40	20	M8	30	13	M6
16	250	280	300	3500	600	5.5	114	54.5	E1	40	20	M8	30	13	M6
19	250	280	300	3000	500	5.8	117	56.3	E1	40	20	M8	30	13	M6
22	250	280	300	3000	500	6.1	121	58.0	E2	51	25	M10	40	18	M8
25	250	280	300	3000	500	6.4	123	59.3	E2	51	25	M10	40	18	M8
28	250	280	300	3000	500	6.7	126	60.8	E2	51	25	M10	40	18	M8
30	230	250	260	3000	500	7.0	129	62.0	E2	51	25	M10	40	18	M8
32	230	250	260	3000	400	7.3	131	63.3	E2	51	25	M10	40	18	M8
36	200	230	250	2750	400	7.6	135	65.3	E2	51	25	M10	40	18	M8
38	200	230	250	2750	400	7.9	137	66.3	E2	51	25	M10	40	18	M8
40	170	190	210	2500	400	8.2	139	67.3	E2	51	25	M10	40	18	M8
44	170	190	210	2500	400	8.5	144	69.5	E2	51	25	M10	40	18	M8

2.6系列/Group 2.6

2.6系列标准型产品尺寸/Group 2.6 Standard Product Dimensions

PHP2.6-A2-D-6-S3-U0

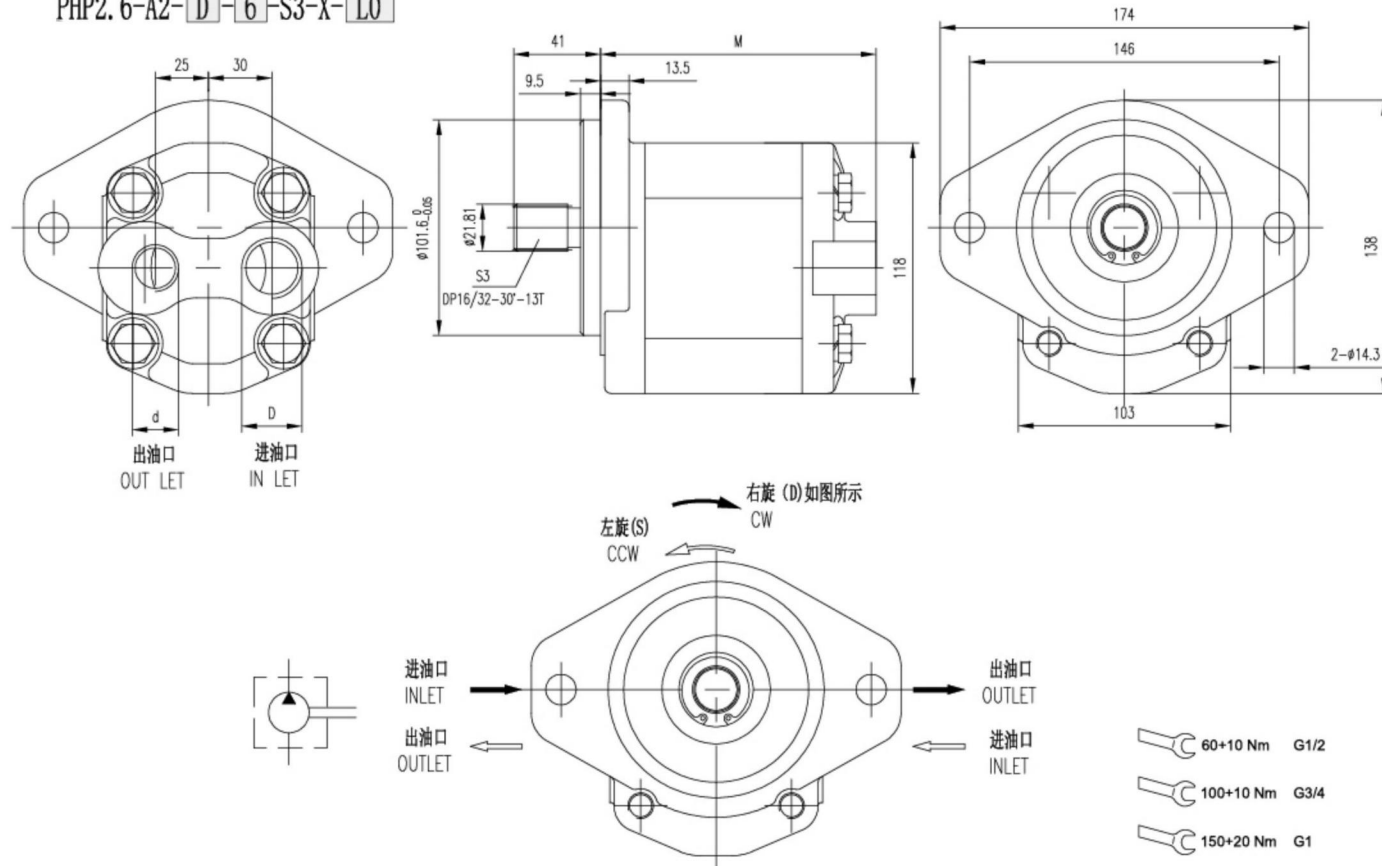


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		D			d		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm			mm		
6	250	280	300	4000	800	4	103	49.3	U0	1 1/16-12UNF			7/8-14UNF		
8	250	280	300	4000	800	4.3	105	50.3	U0	1 1/16-12UNF			7/8-14UNF		
10	250	280	300	4000	700	4.6	107	51.3	U0	1 1/16-12UNF			7/8-14UNF		
12	250	280	300	3500	700	4.9	110	52.5	U0	1 1/16-12UNF			7/8-14UNF		
14	250	280	300	3500	600	5.2	111	53.3	U0	1 1/16-12UNF			7/8-14UNF		
16	250	280	300	3500	600	5.5	114	54.5	U0	1 1/16-12UNF			7/8-14UNF		
19	250	280	300	3000	500	5.8	117	56.3	U0	1 1/16-12UNF			7/8-14UNF		
22	250	280	300	3000	500	6.1	121	58.0	U0	1 1/16-12UNF			7/8-14UNF		
25	250	280	300	3000	500	6.4	123	59.3	U1	1 5/16-12UNF	1 1/16-12UNF				
28	250	280	300	3000	500	6.7	126	60.8	U1	1 5/16-12UNF	1 1/16-12UNF				
30	230	250	260	3000	500	7.0	129	62.0	U1	1 5/16-12UNF	1 1/16-12UNF				
32	230	250	260	3000	400	7.3	131	63.3	U1	1 5/16-12UNF	1 1/16-12UNF				
36	200	230	250	2750	400	7.6	135	65.3	U1	1 5/16-12UNF	1 1/16-12UNF				
38	200	230	250	2750	400	7.9	137	66.3	U1	1 5/16-12UNF	1 1/16-12UNF				
40	170	190	210	2500	400	8.2	139	67.3	U1	1 5/16-12UNF	1 1/16-12UNF				
44	170	190	210	2500	400	8.5	144	69.5	U1	1 5/16-12UNF	1 1/16-12UNF				

2.6系列/Group 2.6

2.6系列标准型产品尺寸/Group 2.6 Standard Product Dimensions

PHP2.6-A2-**D**-**6**-S3-X-L0

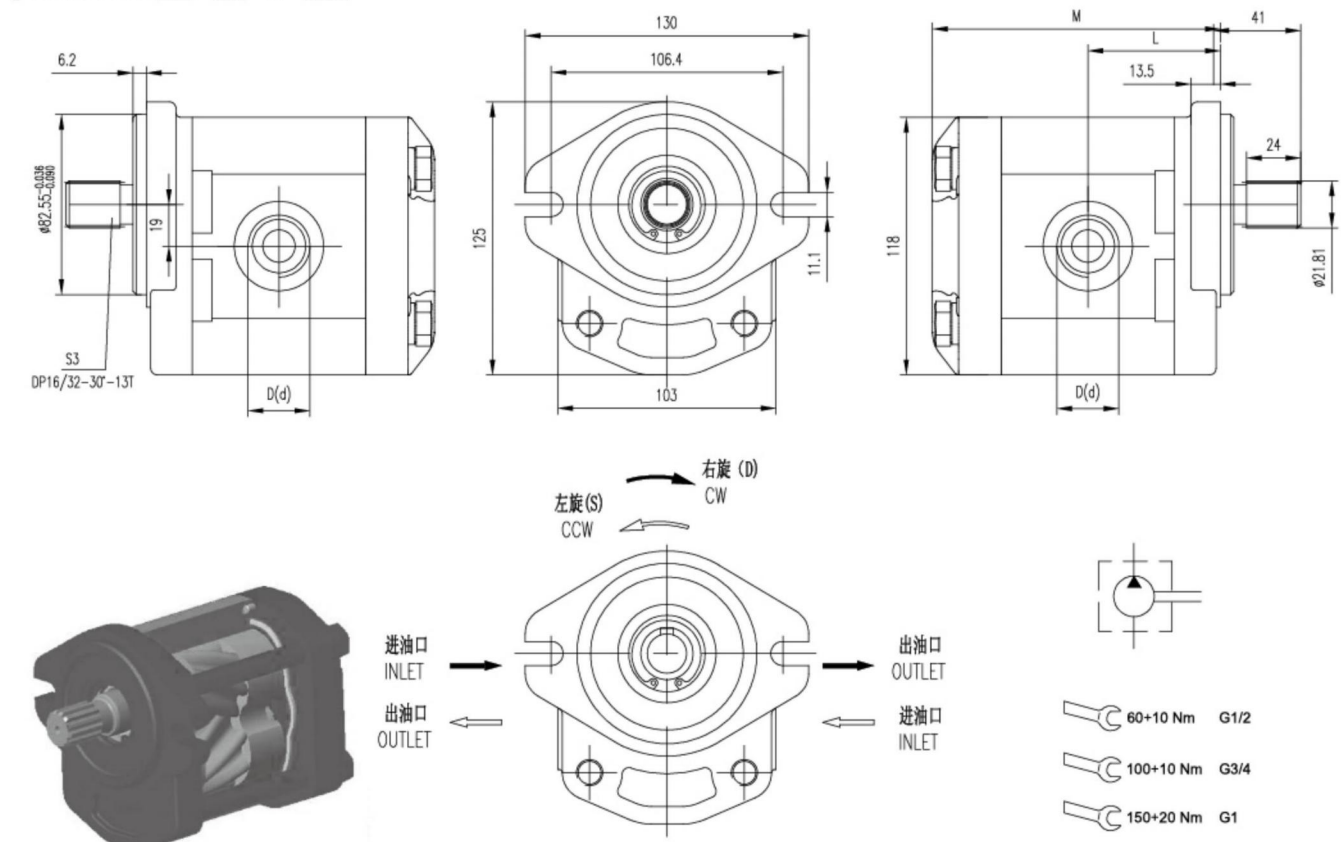


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
(cm ³ /rev)	P1 bar	P2 bar	P3 bar	(r/min)	(r/min)	Kg	M mm		D	d
6	250	280	300	4000	800	4.15	118	L0	G3/4	G1/2
8	250	280	300	4000	800	4.45	120	L0	G3/4	G1/2
10	250	280	300	4000	700	4.75	122	L0	G3/4	G1/2
12	250	280	300	3500	700	5.05	125	L0	G3/4	G1/2
14	250	280	300	3500	600	5.35	126	L0	G3/4	G1/2
16	250	280	300	3500	600	5.65	129	L0	G3/4	G1/2
19	250	280	300	3000	500	5.95	132	L0	G3/4	G1/2
22	250	280	300	3000	500	6.25	136	L0	G3/4	G1/2
25	250	280	300	3000	500	6.55	138	L1	G1	G3/4
28	250	280	300	3000	500	6.85	141	L1	G1	G3/4
30	230	250	260	3000	500	7.15	144	L1	G1	G3/4
32	230	250	260	3000	400	7.45	146	L1	G1	G3/4
36	200	230	250	2750	400	7.75	150	L1	G1	G3/4
38	200	230	250	2750	400	8.05	152	L1	G1	G3/4
40	170	190	210	2500	400	8.35	154	L1	G1	G3/4
44	170	190	210	2500	400	8.65	159	L1	G1	G3/4

2.6Y系列/Group 2.6Y

2.6Y系列标准型产品尺寸/Group 2.6Y Standard Product Dimensions

PHP2.6Y-A1-**D**-**16**-S3-L0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
(cm ³ /rev)	P1 bar	P2 bar	P3 bar	(r/min)	(r/min)	Kg	M mm		D	d
16	250	280	300	3500	600	5.7	119.6	L0	G3/4	G1/2
20	250	280	300	3000	500	6.0	124.1	L0	G3/4	G1/2
22	250	280	300	3000	500	6.3	126.1	L0	G3/4	G1/2
25	250	280	300	3000	500	6.6	129.1	L1	G1	G3/4
28	250	280	300	3000	500	6.9	132.1	L1	G1	G3/4
30	230	250	260	3000	500	7.2	134.1	L1	G1	G3/4
32	230	250	260	3000	400	7.5	136.1	L1	G1	G3/4
36	200	230	250	2750	400	7.8	140.1	L1	G1	G3/4
38	200	230	250	2750	400	8.0	142.2	L1	G1	G3/4
40	170	190	210	2500	400	8.4	144.6	L1	G1	G3/4
44	170	190	210	2500	400	8.7	148.6	L1	G1	G3/4
50	170	190	210	2500	400	9.0	154.6	L1	G1	G3/4

3系列/Group 3

3系列选型规则/Group 3 Ordering Code Rules

P	H	P	3	A0	D	20	C0	E0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump M 马达 Motor	3 3系列 Group 3 3Y 3Y系列 Group3Y		D 顺时针 Clockwise S 逆时针 Counter clockwise R 可正反转 Reversible	20 22 26 33 39 46 50 52 55 63 71					特殊设计 special designing
H	前、后盖材料为铸钢，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										

前盖 Front cover	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure
A0 菱形前盖(止口 $\phi 101.6$) Diamond front cover (centering $\phi 101.6\text{mm}$)	T0 锥形键槽轴 1:8 Taper shaft 1:8	E 矩形法兰 Rectangular flange	省略-默认普通 omit-regular
A1 菱形前盖(止口 $\phi 100$) Diamond front cover (centering $\phi 100\text{mm}$)	T1 锥形键槽轴 1:5 Taper shaft 1:5	F 矩形法兰 Rectangular flange	
B0 方形前盖(止口 $\phi 90$) Square front cover (centering $\phi 90\text{mm}$)	C0 平键轴 $\phi 25$ straight keyed $\phi 25$	F 矩形法兰 Split flange	Q 后盖带泄油口 Back cover with oil drain
B1 方形前盖(止口 $\phi 50.8$) Square front cover (centering $\phi 50.8\text{mm}$)	C2 平键轴 $\phi 22.22$ straight keyed $\phi 22.22$	Z 公制螺纹 (M) Metric thread	
B2 方形前盖(止口 $\phi 105$) Square front cover (centering $\phi 105\text{mm}$)	C3 平键轴 $\phi 25.4$ straight keyed $\phi 25.4$	L 英制管螺纹 (G) Gas thread	
	H0 矩形花键轴 Rectangle spline shaft $\sqrt{6}-25\times 20.1\times 6$	U 美制管螺纹 (UNF-2B) UNF thread	
	H2 矩形花键轴 Rectangle spline shaft $\sqrt{6}-25\times 21\times 5$	R 英制锥螺纹 (PT) PT thread	
	S0 SAE花键轴 SAE spline shaft DP16/32-30'-13T	X 泵体无油口 Body without ports	
	S1 SAE花键轴 SAE spline shaft DP16/32-30'-15T		
详见 151 页 See page 151 for details	详见 152 页 See page 152 for details	详见 153-154 页 See page 153-154 for details	详见 155 页 See page 155 for details

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

3系列/Group 3

3系列标准型产品概览/Group 3 Standard Product Overview

型式 type	型式 type	型式 type
156	157	158
159	160	161

3系列排量参数表/Group 3 Displacement parameter table

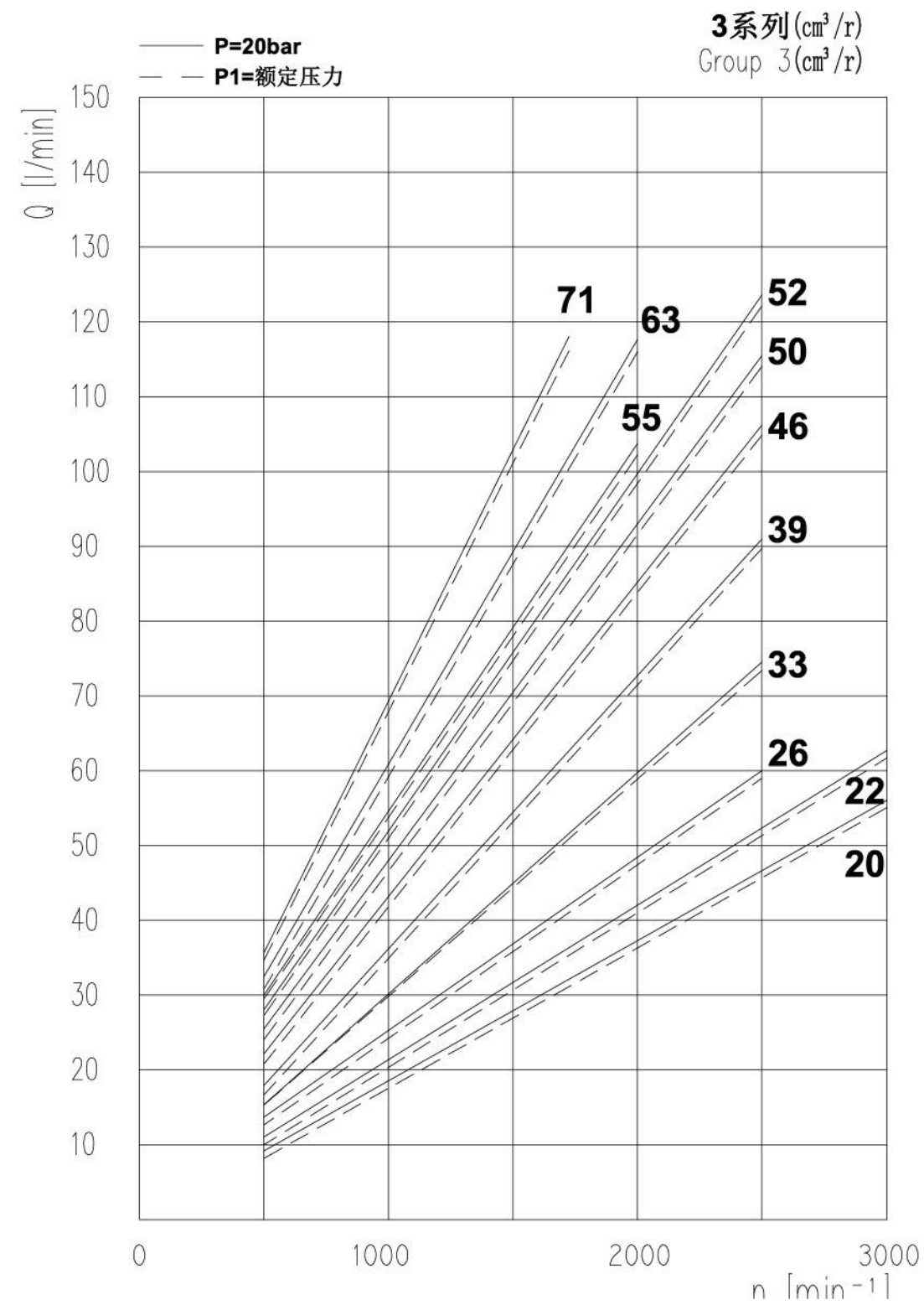
排量 Displacement	V	cm ³ /rev	20	22	26	33	39	46	50	52	55	63	71
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3										
最高连续压力 Max. continuous pressure	P1		250			230			220		200		180
最高间隙压力 Max. intermittent pressure	P2		265			250			240		230		200
最高峰值压力 Max. peak pressure	P3		280			270			260		250		220
最低转速 Min. speed	n _{min}	r/min	600			500					400		
最高转速 Max. speed	n _{max}		3500			3000					2800		
容积效率 Volumetric efficiency	η _v	%	≥92			≥93			≥94			≥95	

3Y系列排量参数表/Group 3Y Displacement parameter table

排量 Displacement	V	cm ³ /rev	20	22	26	33	39	46	50	52	55	63	71
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3										
最高连续压力 Max. continuous pressure	P1		250			230			220		200		180
最高间隙压力 Max. intermittent pressure	P2		265			250			240		230		200
最高峰值压力 Max. peak pressure	P3		280			270			260		250		220
最低转速 Min. speed	n _{min}	r/min	200								150		
最高转速 Max. speed	n _{max}		3000								2500		
容积效率 Volumetric efficiency	η _v	%	≥95								≥97		

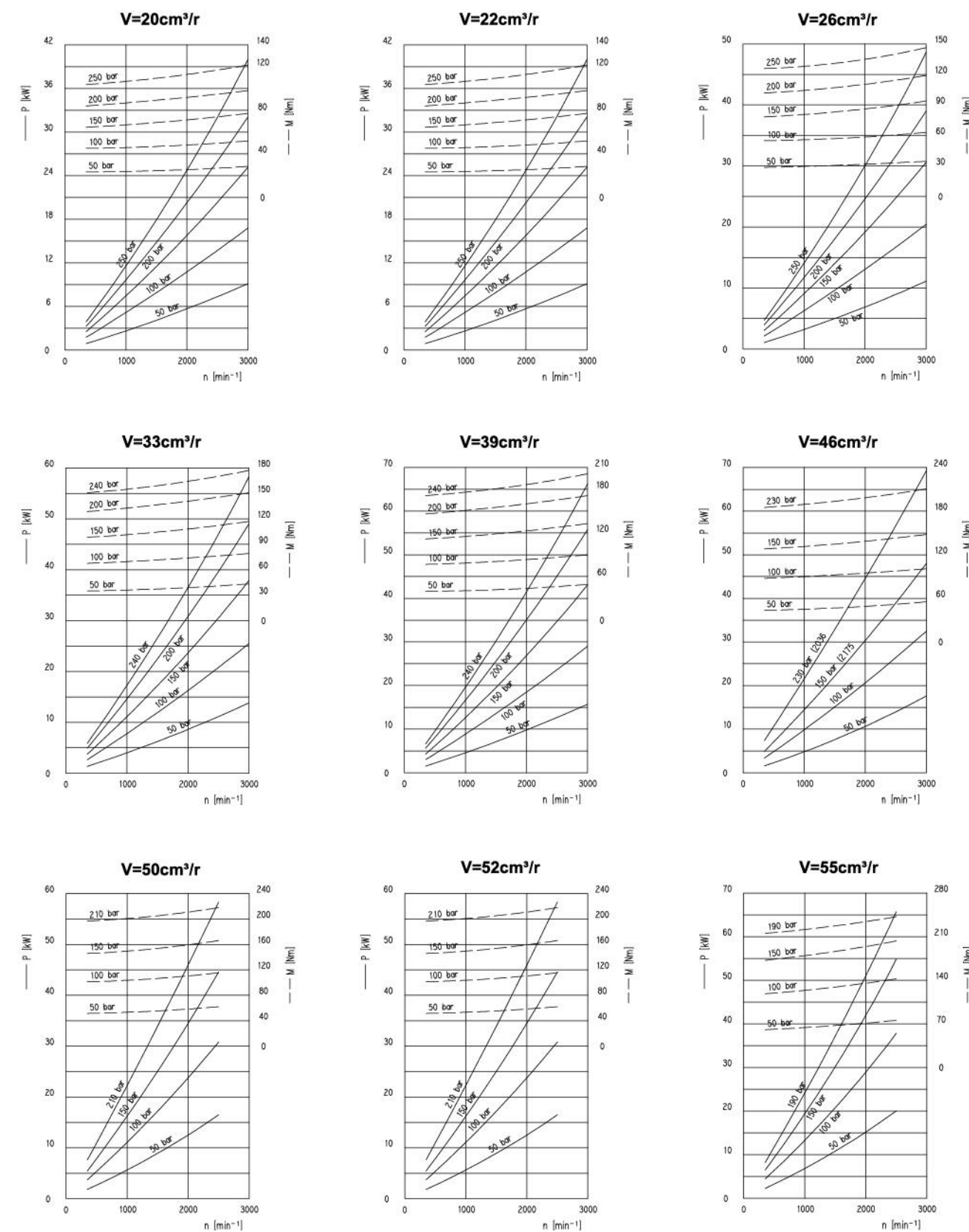
3系列/Group 3

3系列流量性能曲线表/Group 3 Flow Performance Curve Table



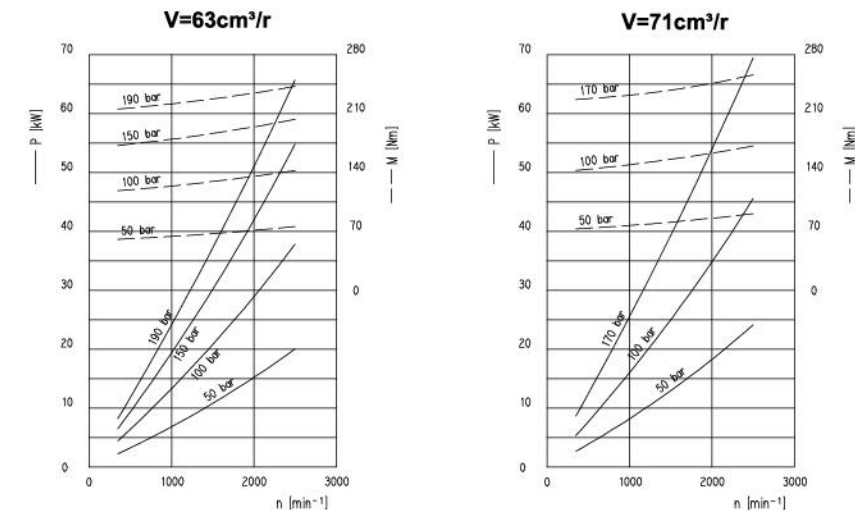
3系列/Group 3

3系列功率性能曲线表/Group 3 Power Performance Curve Table



3系列/Group 3

3系列功率性能曲线表/Group 3 Power Performance Curve Table



3系列/Group 3

3系列噪音曲线表/Group 3 Noise Curve Table

噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。

The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

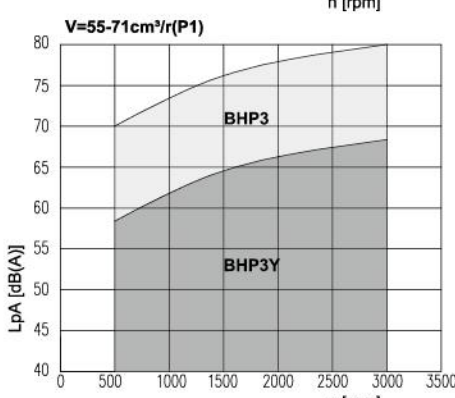
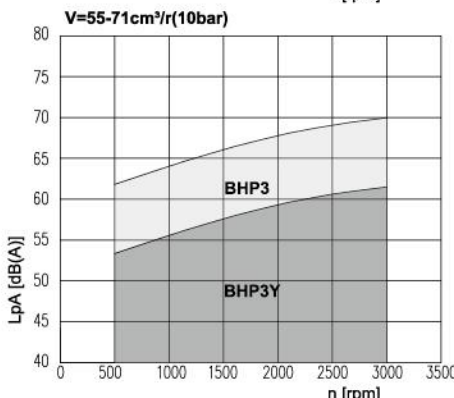
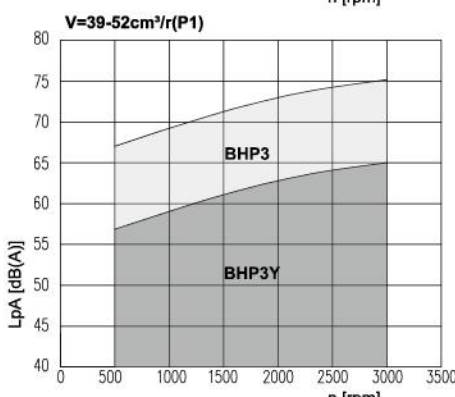
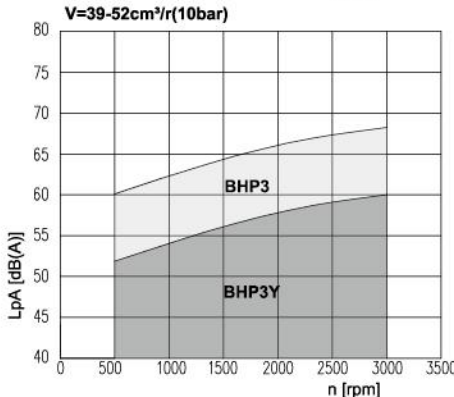
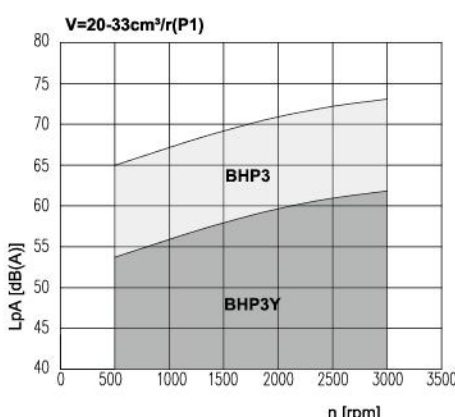
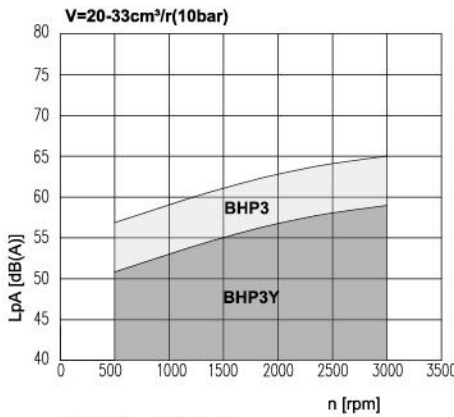
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。

The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

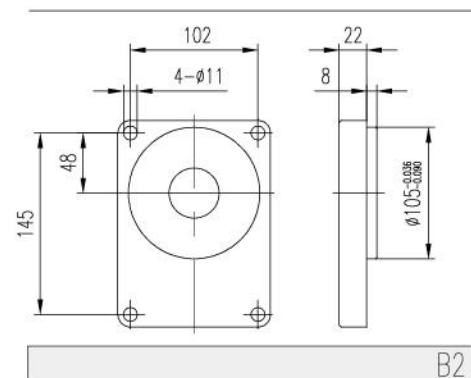
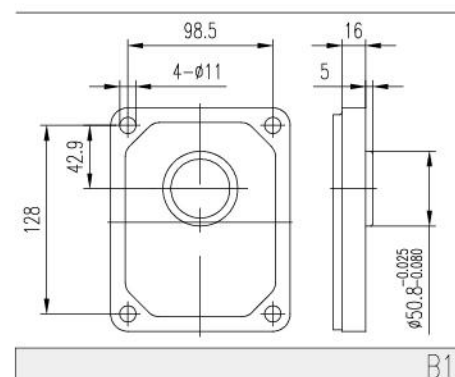
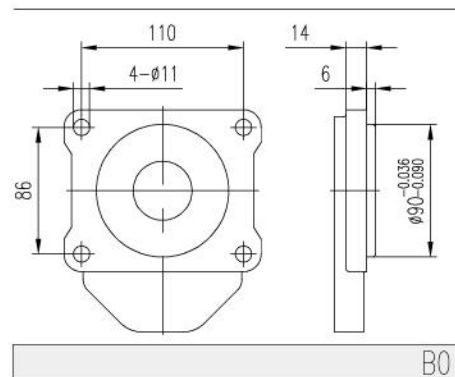
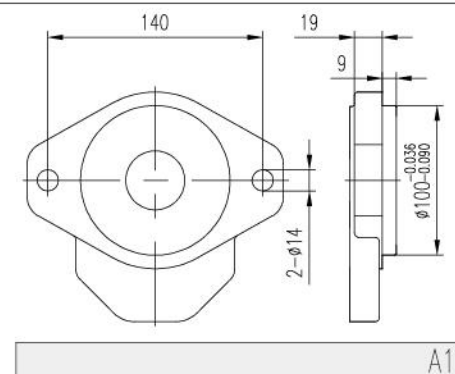
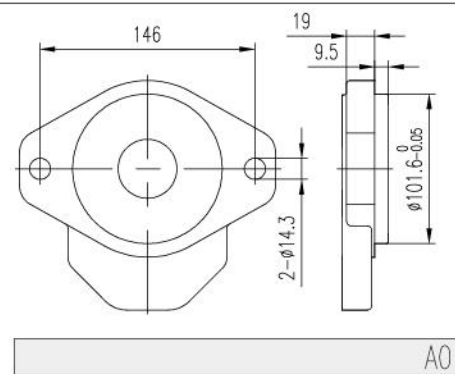
测量传感器与液压泵之间的距离: 1 米。

Distance between measuring sensor and hydraulic pump: 1m.



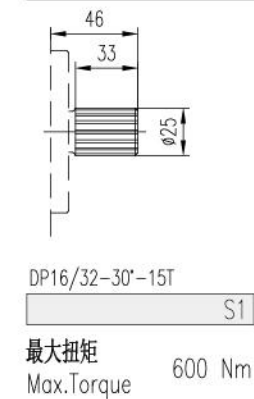
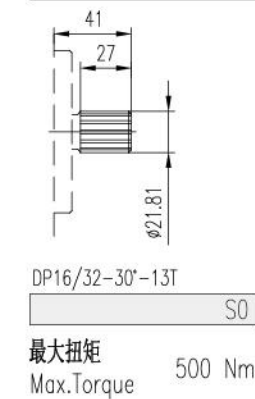
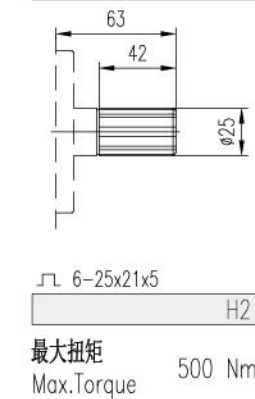
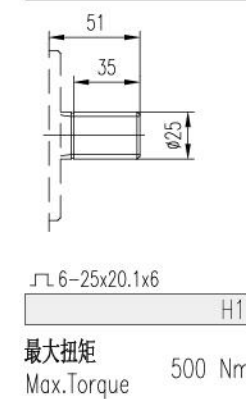
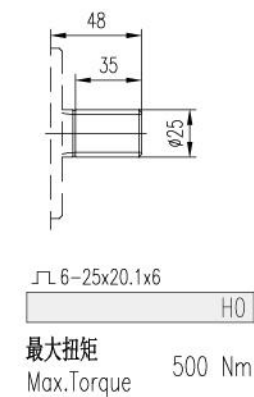
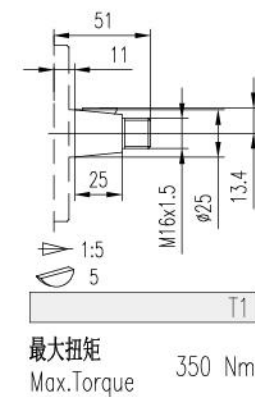
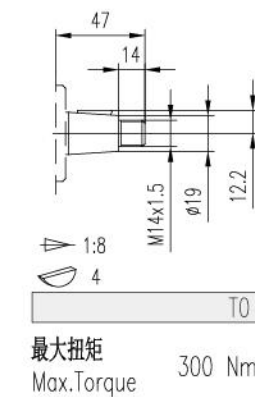
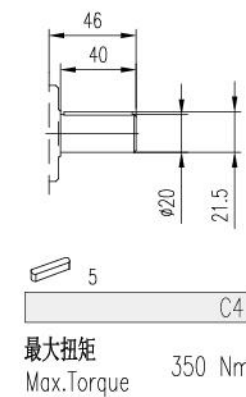
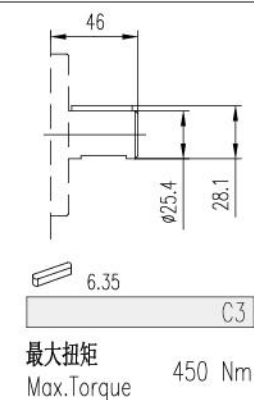
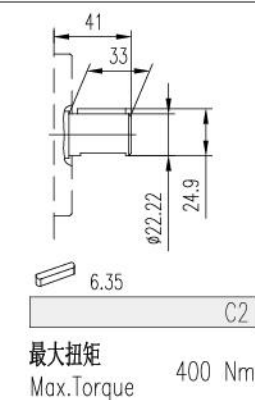
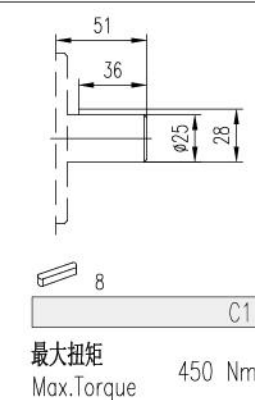
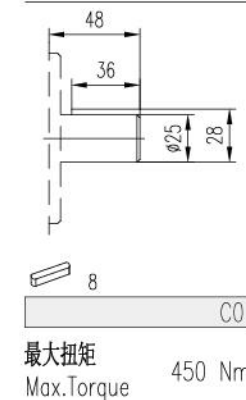
3系列/Group 3

前盖/FRONT COVER



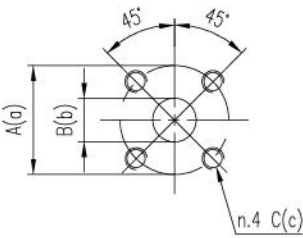
3系列/Group 3

轴伸/SHAFTS



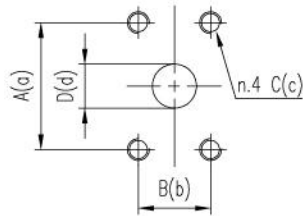
3系列/Group 3

泵体油口/PORTS



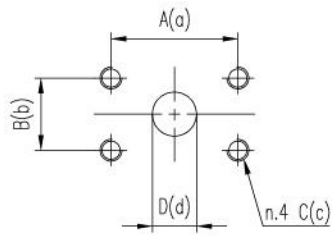
F0/F1/F2/F3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
		A	B	C	a	b	c
F0	20...26	50	20	M8	50	20	M8
F1	33...46	65	25	M8	65	20	M8
F2	50...71	76	33	M10	76	25	M10
F3	50...63	76	33	M8	76	25	M8



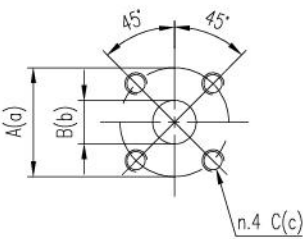
F4/F5

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
		A	B	C	D	a	b	c	d
F4	20...52	52.4	26.2	3/8-16UNC	27	47.6	22.2	3/8-16UNC	19
F5	55...71	58.7	30.2	7/16-14UNC	33	52.4	26.2	3/8-16UNC	27



F6

排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
	A	B	C	D	a	b	c	d
20...25	57.2	26	M10	25	57.2	26	M10	20
33	57.2	26	M10	30	57.2	26	M10	20
39	57.2	26	M10	35	57.2	26	M10	20
50...63	57.2	26	M10	35	57.2	26	M10	25

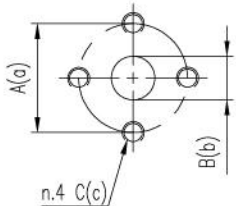


F7

排量 Displacement (cm /rev)	进油口 INLET			出油口 OUTLET		
	A	B	C	a	b	c
20...71	55	27	M8	55	19	M8

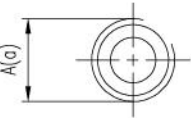
3系列/Group 3

泵体油口/PORTS



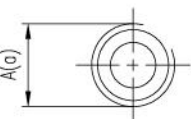
E0/E1/E2/E3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
		A	B	C	a	b	c
E0	20...39	56	27	M10	56	19	M10
E1	46	51	27	M10	51	27	M10
E2	50...52	56	27	M10	56	27	M10
E3	55...71	62	33	M10	51	27	M10



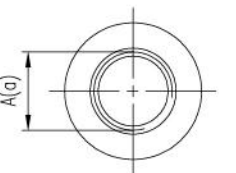
L0/L1/L2/L3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
L0	20...22	G3/4	G3/4
L1	26...39	G 1	G3/4
L2	46...63	G1 1/4	G 1
L3	71	G1 1/2	G1 1/4



R0/R1/R2/R3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
R0	20...22	PT3/4	PT3/4
R1	26...39	PT 1	PT3/4
R2	46...63	PT1 1/4	PT 1
R3	71	PT1 1/2	PT1 1/4



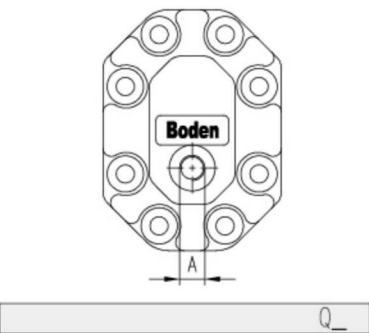
0型圈密封
O-ring

U0/U1/U2

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
U0	20...33	1 5/16-12UNF	1 1/16-12UNF
U1	39...52	1 5/8-12UNF	1 1/16-12UNF
U2	55...71	1 7/8-12UNF	1 5/16-12UNF

3系列/Group 3

特殊结构/SPECIAL STRUCTRE

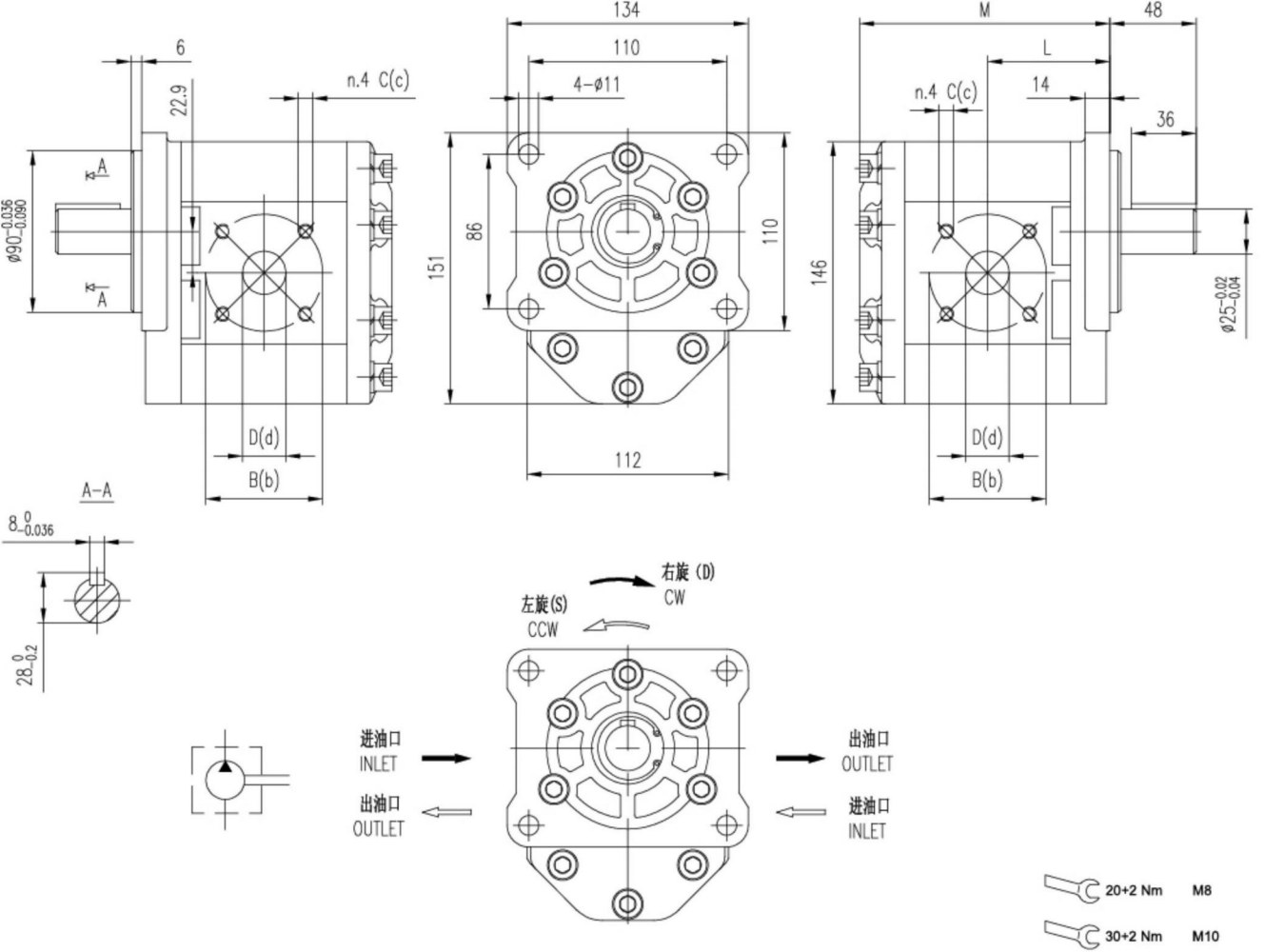


代号 CODE	泄油口 oil drain
	A
Q1	G3/8
Q2	3/4-16UNF

3系列/Group 3

3系列标准型产品尺寸/Group 3 Standard Product Dimensions

PHP3-B0-D-20-C0-F0

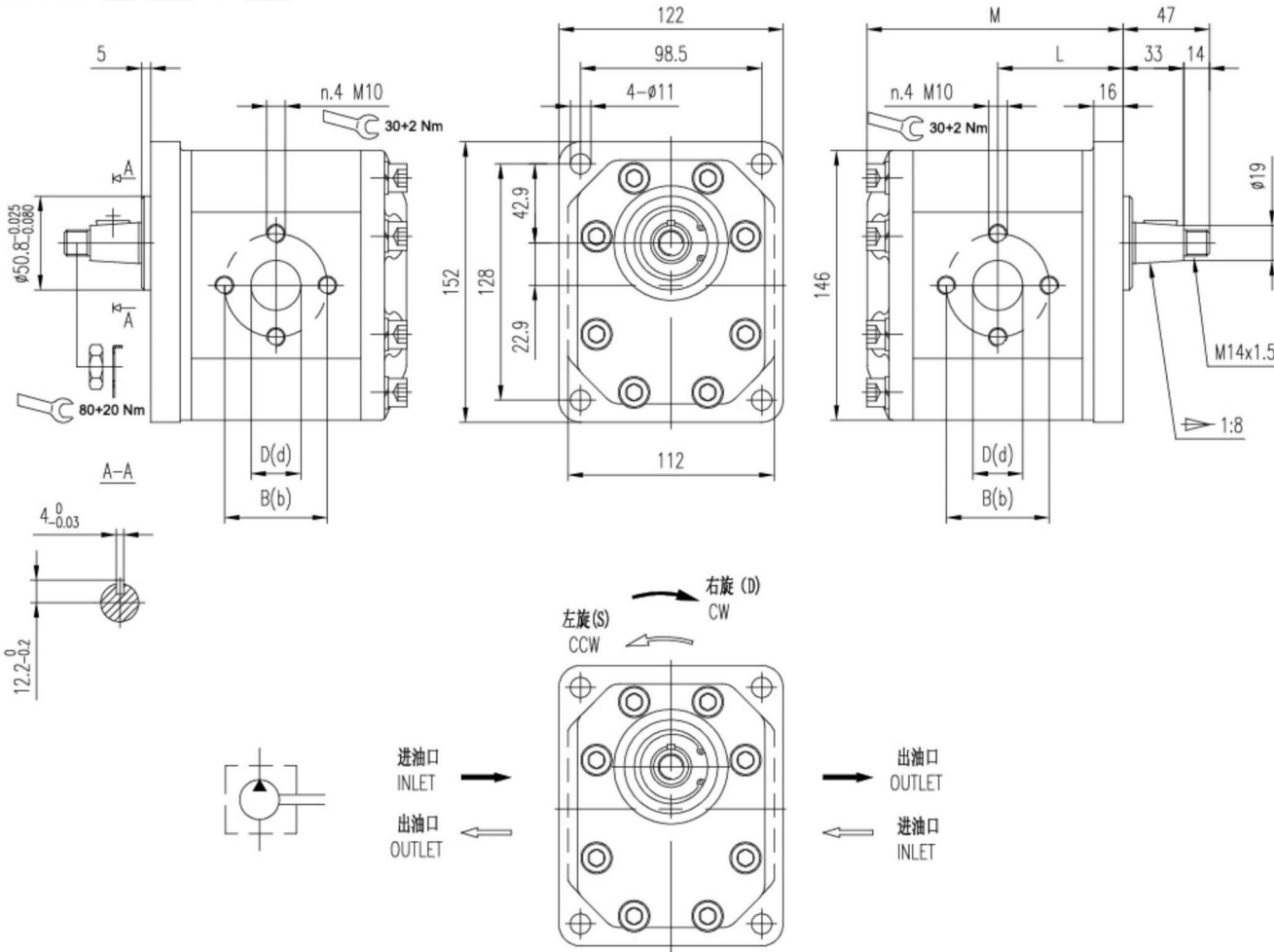


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	C	b	d	c
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm		mm	mm	
20	250	265	280	3500	600	7.5	128	63	F0	50	20	M8	50	20	M8
22	250	265	280	3500	600	7.7	130	64	F0	50	20	M8	50	20	M8
26	250	265	280	3000	600	8.1	133	65	F0	50	20	M8	50	20	M8
33	230	250	270	3000	500	8.6	139	68	F1	65	25	M8	65	20	M8
39	230	250	270	3000	500	9.1	146	72	F1	65	25	M8	65	20	M8
46	230	250	270	3000	500	9.6	152	75	F1	65	25	M8	65	20	M8
50	220	240	260	3000	500	10.0	156	77	F2	76	33	M10	76	25	M10
52	220	240	260	3000	500	10.2	158	78	F2	76	33	M10	76	25	M10
55	200	230	250	2800	400	10.5	160	79	F2	76	33	M10	76	25	M10
63	200	230	250	2800	400	11.1	168	83	F2	76	33	M10	76	25	M10
71	180	200	220	2500	400	11.8	175	86	F2	76	33	M10	76	25	M10

3系列/Group 3

3系列标准型产品尺寸/Group 3 Standard Product Dimensions

PHP3-B1-D-20-T0-E0

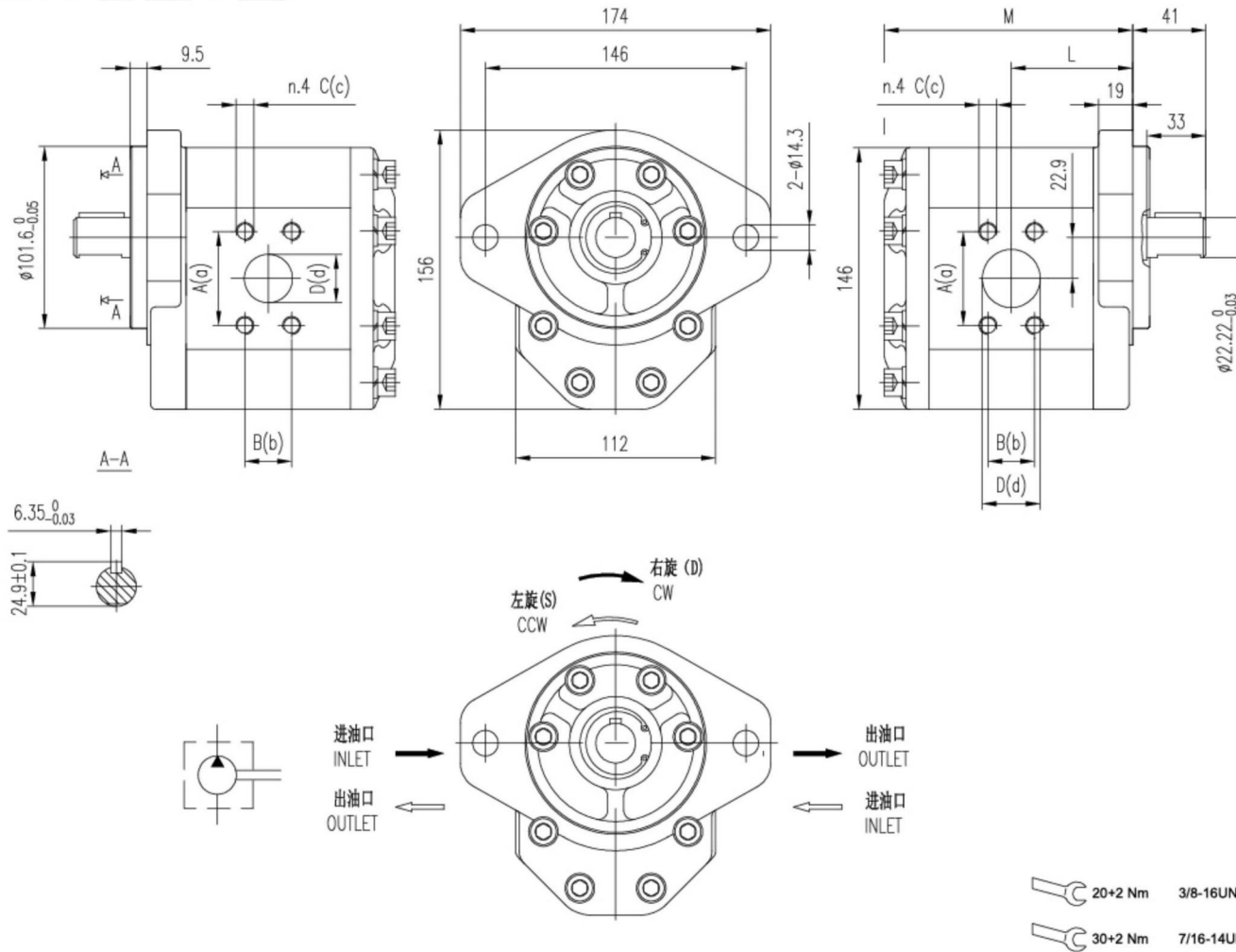


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		B	D	b	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm
20	250	265	280	3500	600	7.5	128	63	E0	56	27	56	19
22	250	265	280	3500	600	7.7	130	64	E0	56	27	56	19
26	250	265	280	3000	600	8.1	133	65	E0	56	27	56	19
33	230	250	270	3000	500	8.6	139	68	E0	56	27	56	19
39	230	250	270	3000	500	9.1	146	72	E0	56	27	56	19
46	230	250	270	3000	500	9.6	152	75	E1	51	27	51	27
50	220	240	260	3000	500	10.0	156	77	E2	56	27	56	27
52	220	240	260	3000	500	10.2	158	78	E2	56	27	56	27
55	200	230	250	2800	400	10.5	160	79	E3	62	33	51	27
63	200	230	250	2800	400	11.1	168	83	E3	62	33	51	27
71	180	200	220	2500	400	11.8	175	86	E3	62	33	51	27

3系列/Group 3

3系列标准型产品尺寸/Group 3 Standard Product Dimensions

PHP3-A0-D-20-C2-F4

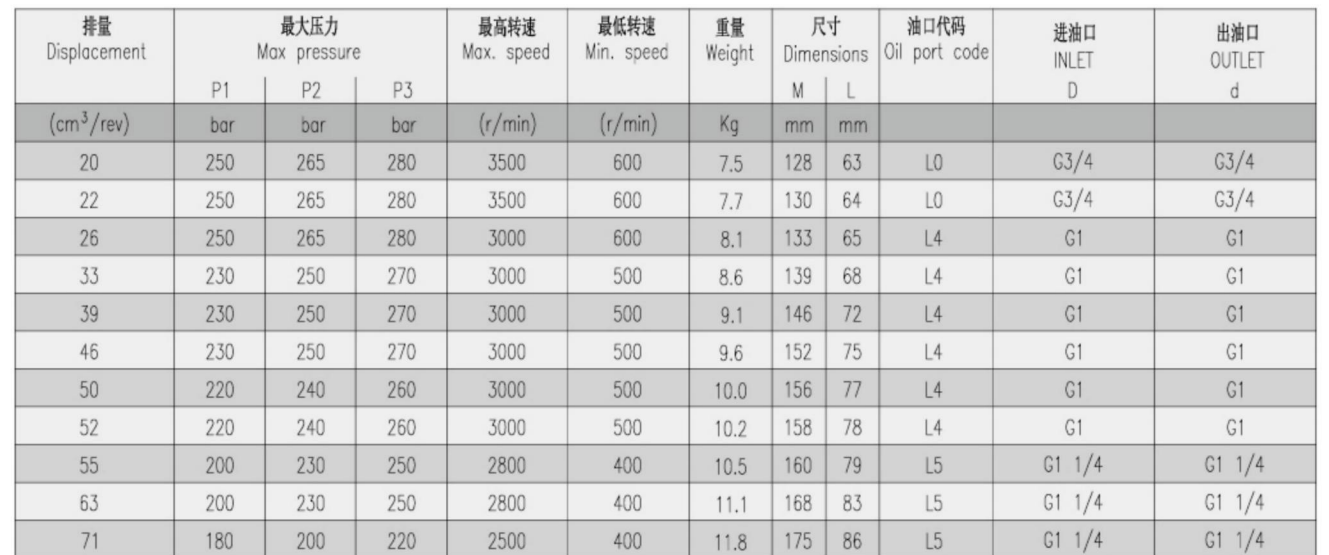


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET				出油口 OUTLET			
	P1	P2	P3				M	L		A	B	C	D	a	b	c	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	UNC	mm	mm	mm	UNC	mm
20	250	265	280	3500	600	7.5	128	63	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
22	250	265	280	3500	600	7.7	130	64	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
26	250	265	280	3000	600	8.1	133	65	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
33	230	250	270	3000	500	8.6	139	68	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
39	230	250	270	3000	500	9.1	146	72	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
46	230	250	270	3000	500	9.6	152	75	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
50	220	240	260	3000	500	10.0	156	77	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
52	220	240	260	3000	500	10.2	158	78	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
55	200	230	250	2800	400	10.5	160	79	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27
63	200	230	250	2800	400	11.1	168	83	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27
71	180	200	220	2500	400	11.8	175	86	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27

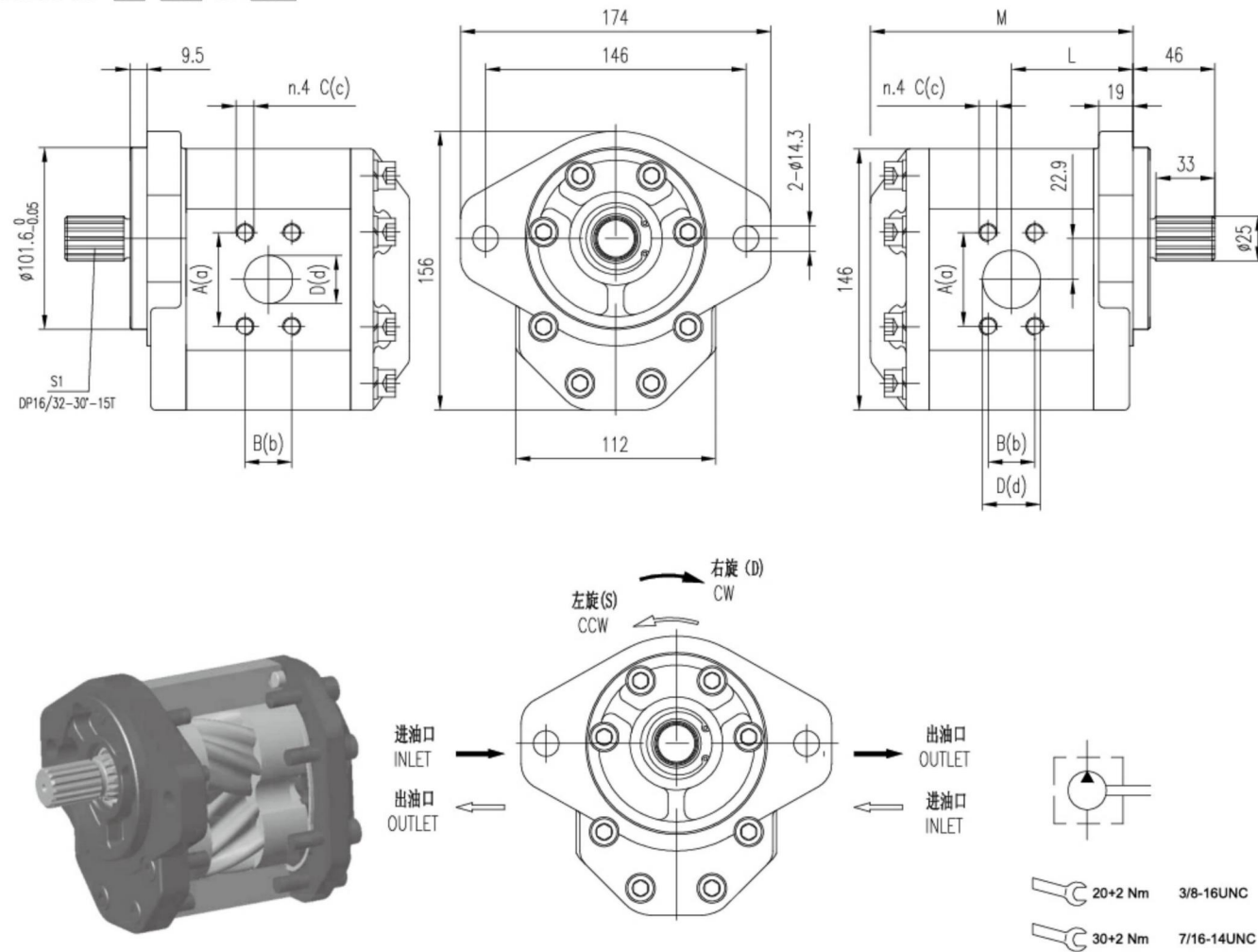
PHP3-A1-D-20-H2-L0



PHM3-A0-R-20-C0-L0-Q1



PHP3Y-A0-D-20-C2-F4



排量 Displacement	最大压力 Max. pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进口口 INLET				出口口 OUTLET			
	P1	P2	P3				M	L		A	B	C	D	a	b	c	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	UNC	mm	mm	mm	mm	mm
20	250	265	280	3500	600	7.7	131.2	60.6	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
22	250	265	280	3500	600	7.9	131.7	61.4	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
26	250	265	280	3000	600	8.3	134.5	62.3	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
33	230	250	270	3000	500	8.8	139.5	64.8	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
39	230	250	270	3000	500	9.3	144.1	67.5	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
46	230	250	270	3000	500	9.8	148.7	69.9	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
50	220	240	260	3000	500	10.2	151.6	71.3	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
52	220	240	260	3000	500	10.4	153	72	F4	52.4	26.2	3/8	27	47.6	22.2	3/8	19
55	200	230	250	2800	400	10.7	152.2	73.1	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27
63	200	230	250	2800	400	11.3	160.9	76	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27
71	180	200	220	2500	400	12	166.5	78.3	F5	58.7	30.2	7/16	33	52.4	26.2	3/8	27

3.5系列/Group 3.5

3.5系列选型规则/Group 3.5 Ordering Code Rules

P	H	P	3.5	A0	D	10	S0	F0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
	H 材料为铸铁 material cast iron	P 泵 Pump M 马达 Motor	3.5 3.5系列 Group 3.5 3.5A 3.5A系列 Group 3.5A		D 顺时针转 Clockwise S 逆时针转 Counter clockwise R 可正反转 Reversible	10 16 20 25 29 32 36 40 45 51 55 63 70 80					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

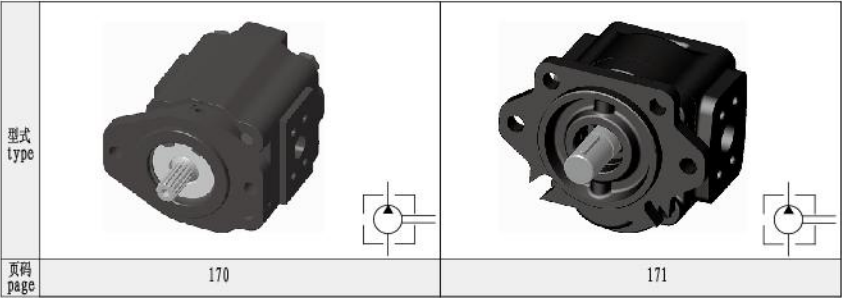
前盖 Front cover		轴伸 Shaft		泵体油口 Ports	
A0	菱形前盖(止口Φ101.6) Diamond front cover (centering Φ101.6mm) 	C0	平键轴Φ31.75 straight keyed Φ31.75 	F	矩形法兰 Split flange 
B1	方形前盖(止口Φ50.8) Square front cover (centering Φ50.8mm) 	H0	矩形花键轴 Rectangle spline shaft 6-36x32x6 	L	英制管螺纹(G) Gas thread 
Q1	方形+菱形前盖(止口Φ101.6) Square and Diamond front cover (centering Φ101.6) 	S0	SAE花键轴 SAE spline shaft DP16/32-30°-13T 	N	美制锥螺纹(NPT) NPT thread 
		S1	SAE花键轴 SAE spline shaft DP12/24-30°-14T 	U	美制管螺纹(UNF-2B) UNF thread 

详见 168 页 See page 168 for details	详见 168 页 See page 168 for details	详见 169 页 See page 169 for details
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如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

3.5系列/Group 3.5

3.5系列标准型产品概览/Group 3.5 Standard Product Overview

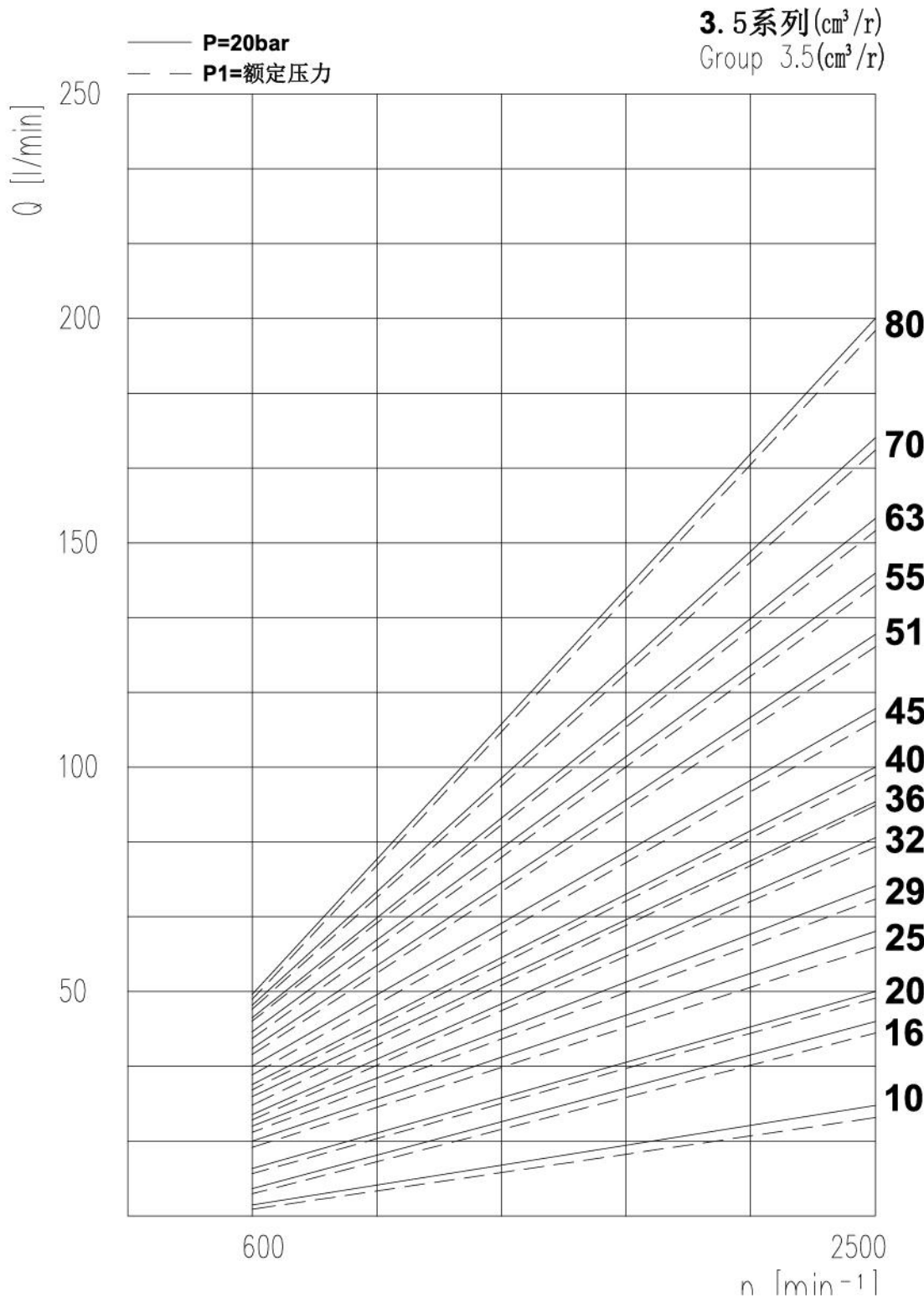


3.5系列排量参数表/Group 3.5 Displacement parameter table

排量 Displacement	V	cm³/rev	10	16	20	25	29	32	36	40	45	51	55	63	70	80
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3													
最高连续压力 Max. continuous pressure	P1		270													
最高间隙压力 Max. intermittent pressure	P2		290													
最高峰值压力 Max. peak pressure	P3		310													
最低转速 Min. speed	n _{min}	r/min	500													
最高转速 Max. speed	n _{max}		2500													
容积效率 Volumetric efficiency	η _v	%	≥91		≥92		≥93		≥93		≥93		≥93		≥95	

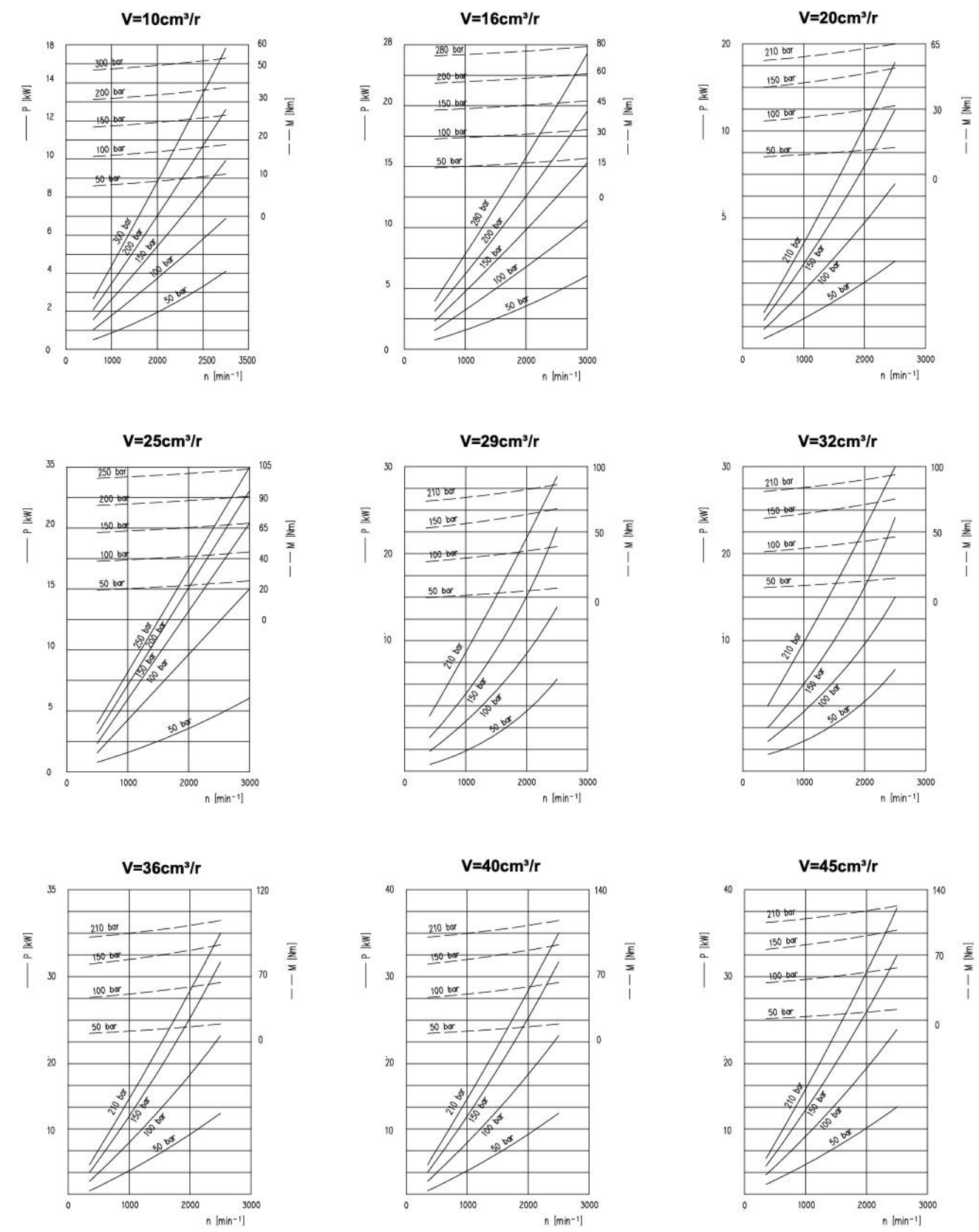
3.5系列/Group 3.5

3.5系列流量性能曲线表/Group 3.5 Flow Performance Curve Table



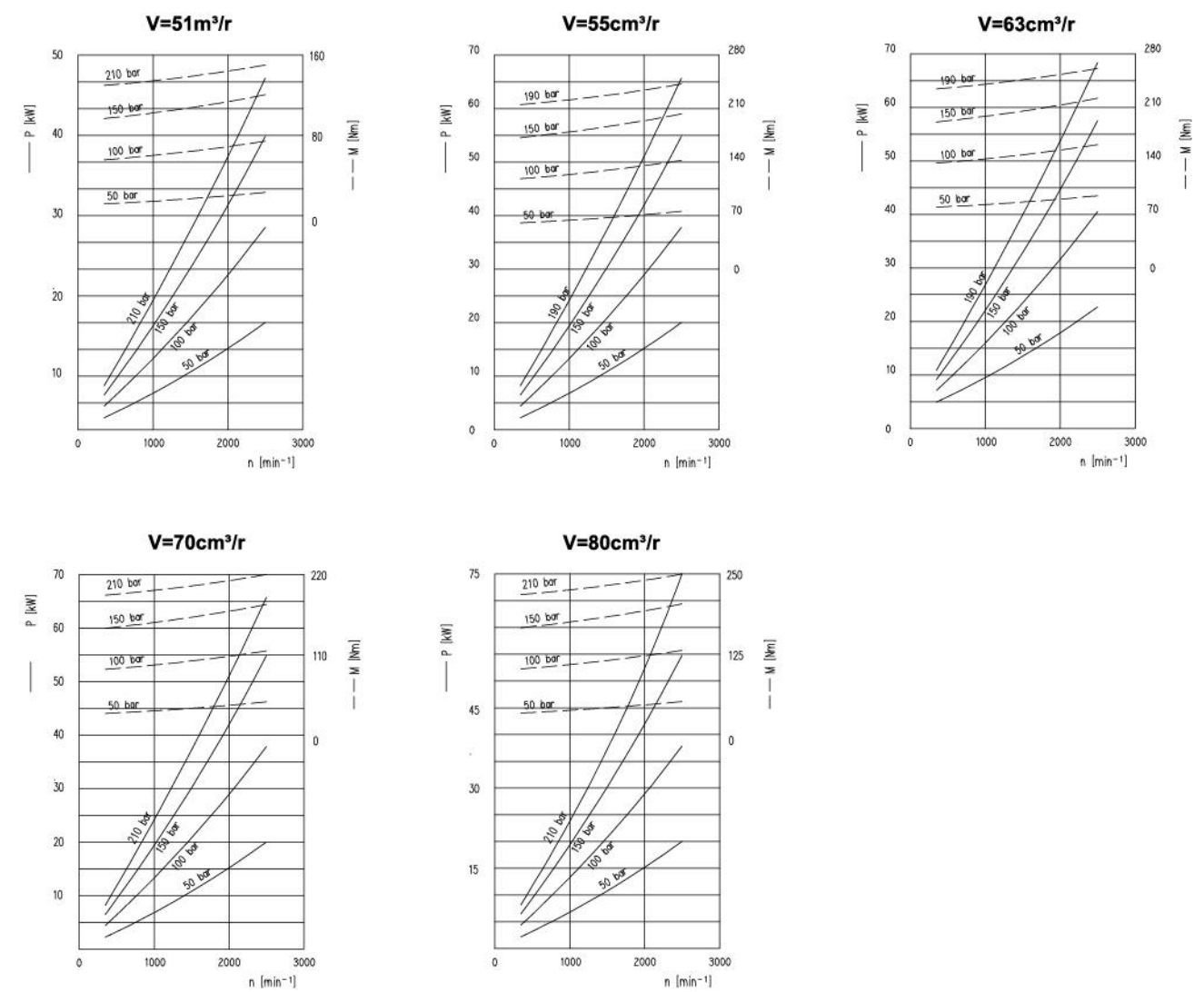
3.5系列/Group 3.5

3.5系列功率性能曲线表/Group 3.5 Power Performance Curve Table



3.5系列/Group 3.5

3.5系列功率性能曲线表/Group 3.5 Power Performance Curve Table



3.5系列/Group 3.5

3.5系列噪音曲线表/Group 3.5 Noise Curve Table

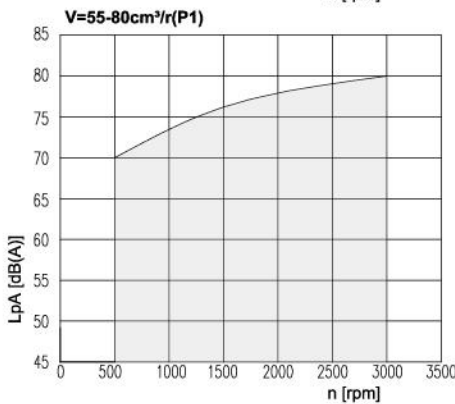
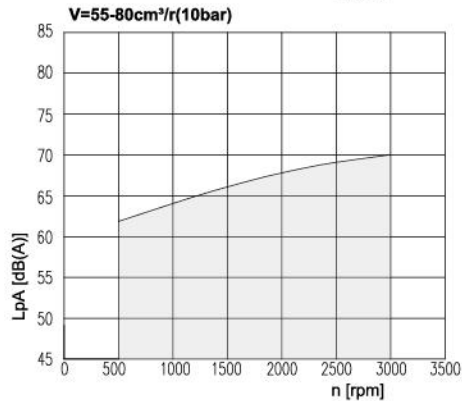
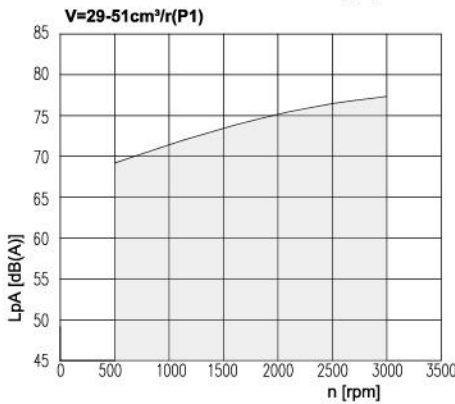
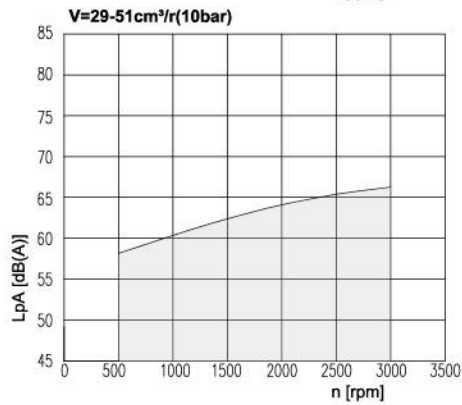
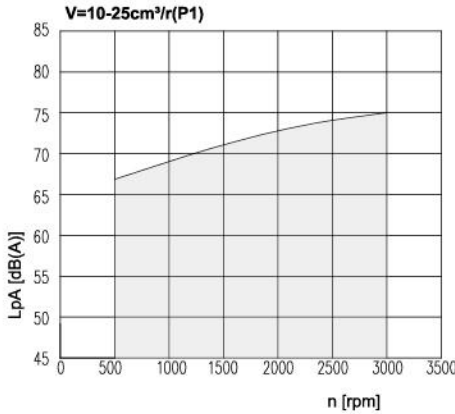
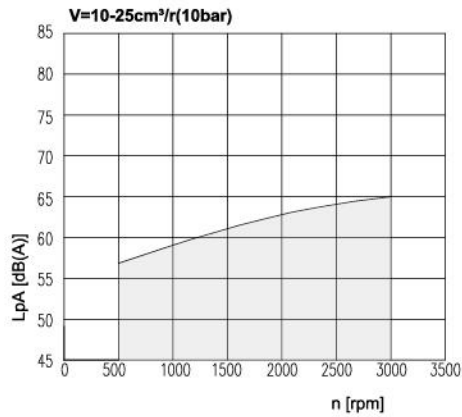
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s}, \theta=50^\circ\text{C}$.

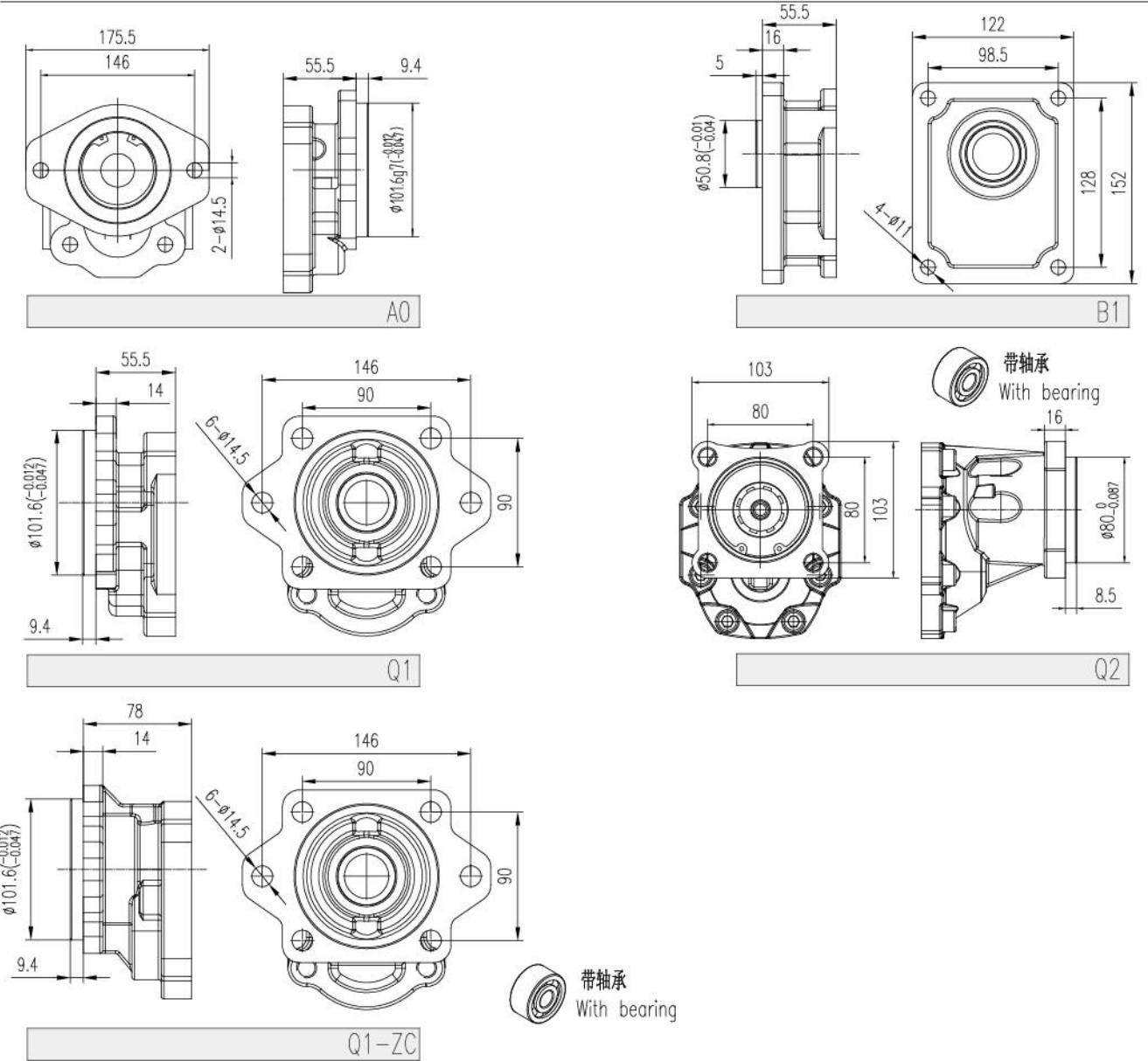
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

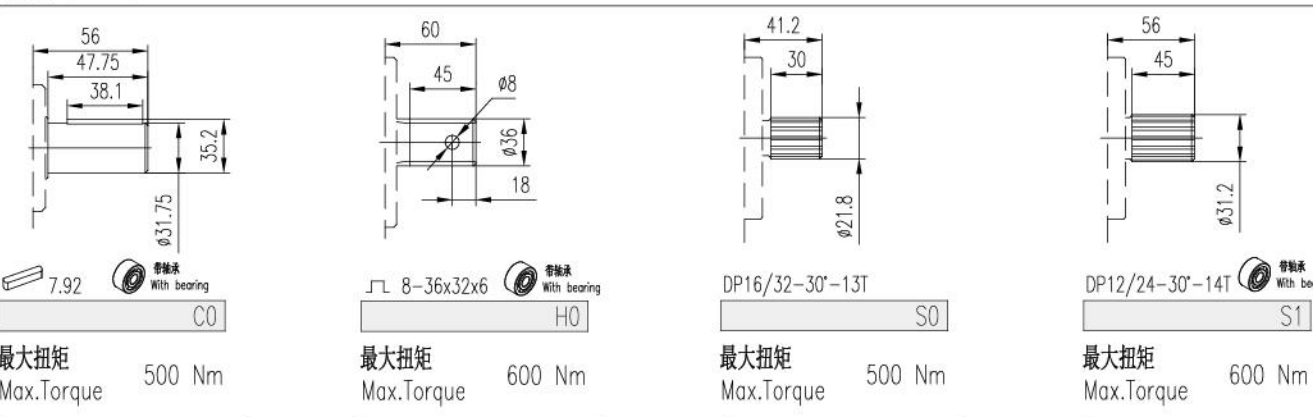


3.5系列/Group 3.5

前盖/FRONT COVER

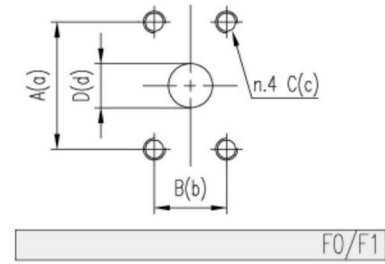


轴伸/SHAFTS



3.5系列/Group 3.5

泵体油口/PORTS

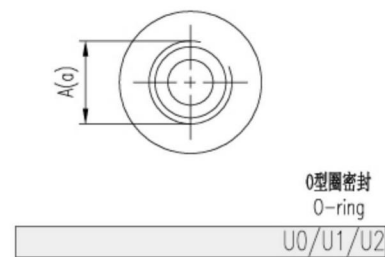
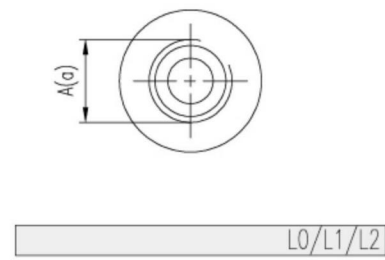
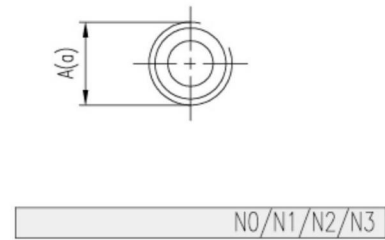


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
		A	B	C	D	a	b	c	d
F0	10...80	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
F1	51...80	77.8	42.9	M12	50.8	58.7	30.2	M10	31.8

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
N0	10...25	NPT1/2	NPT1/2
N1	29...36	NPT3/4	NPT3/4
N2	40...63	NPT 1	NPT 1
N3	70...80	NPT1 1/4	NPT1 1/4

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	10	G1/2	G1/2
L1	16...32	G3/4	G3/4
L2	40...80	G1	G1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	16...32	1 5/16-12UNF	1 5/16-12UNF
U1	32...80	1 7/8-12UNF	1 7/8-12UNF
U2	10	1 1/16-12UNF	1 1/16-12UNF



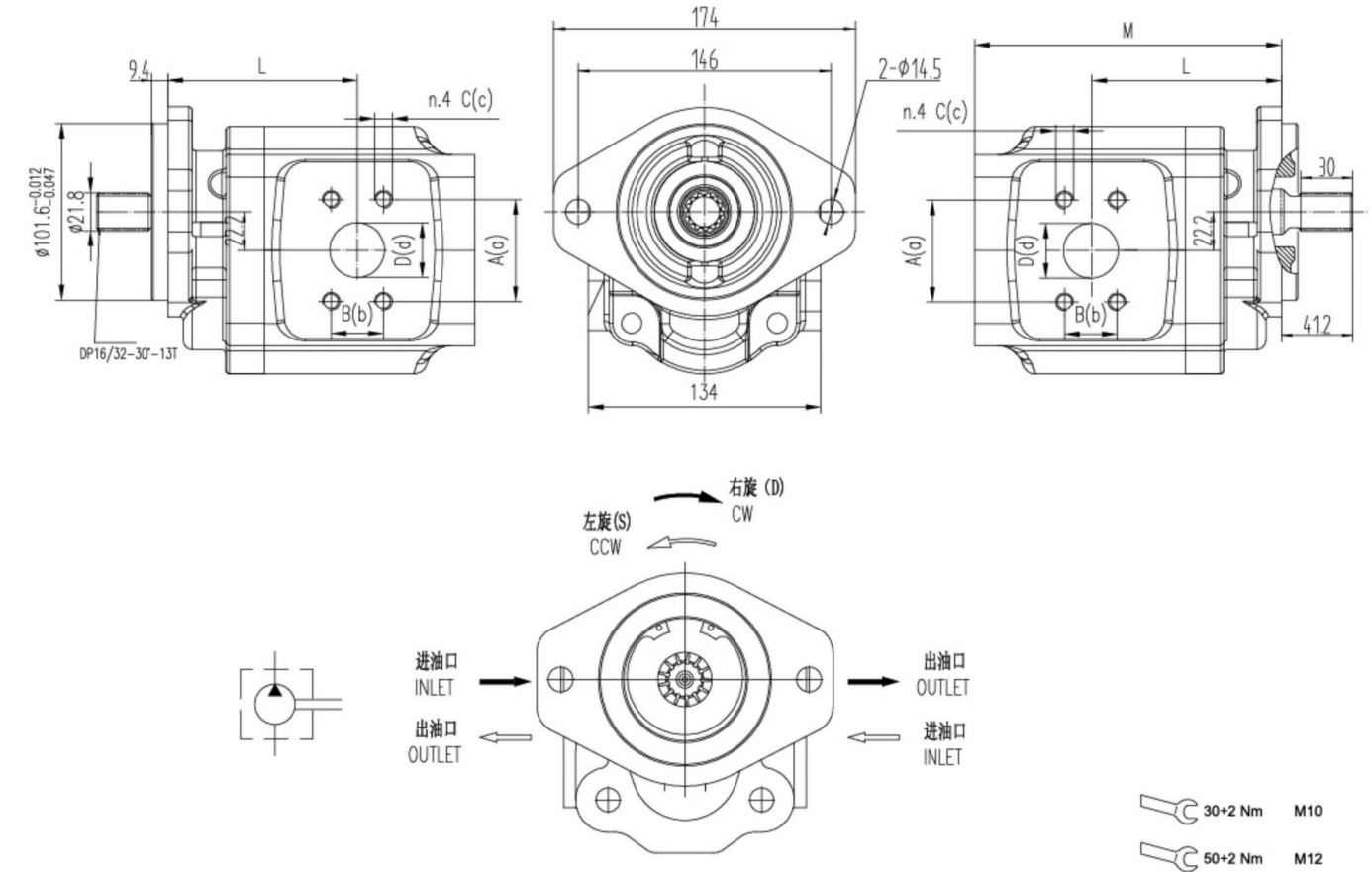
O型圈密封
O-ring

U0/U1/U2

3.5系列/Group 3.5

3.5系列标准型产品尺寸/Group 3.5 Standard Product Dimensions

PHP3.5-A0-D-10-S0-F0



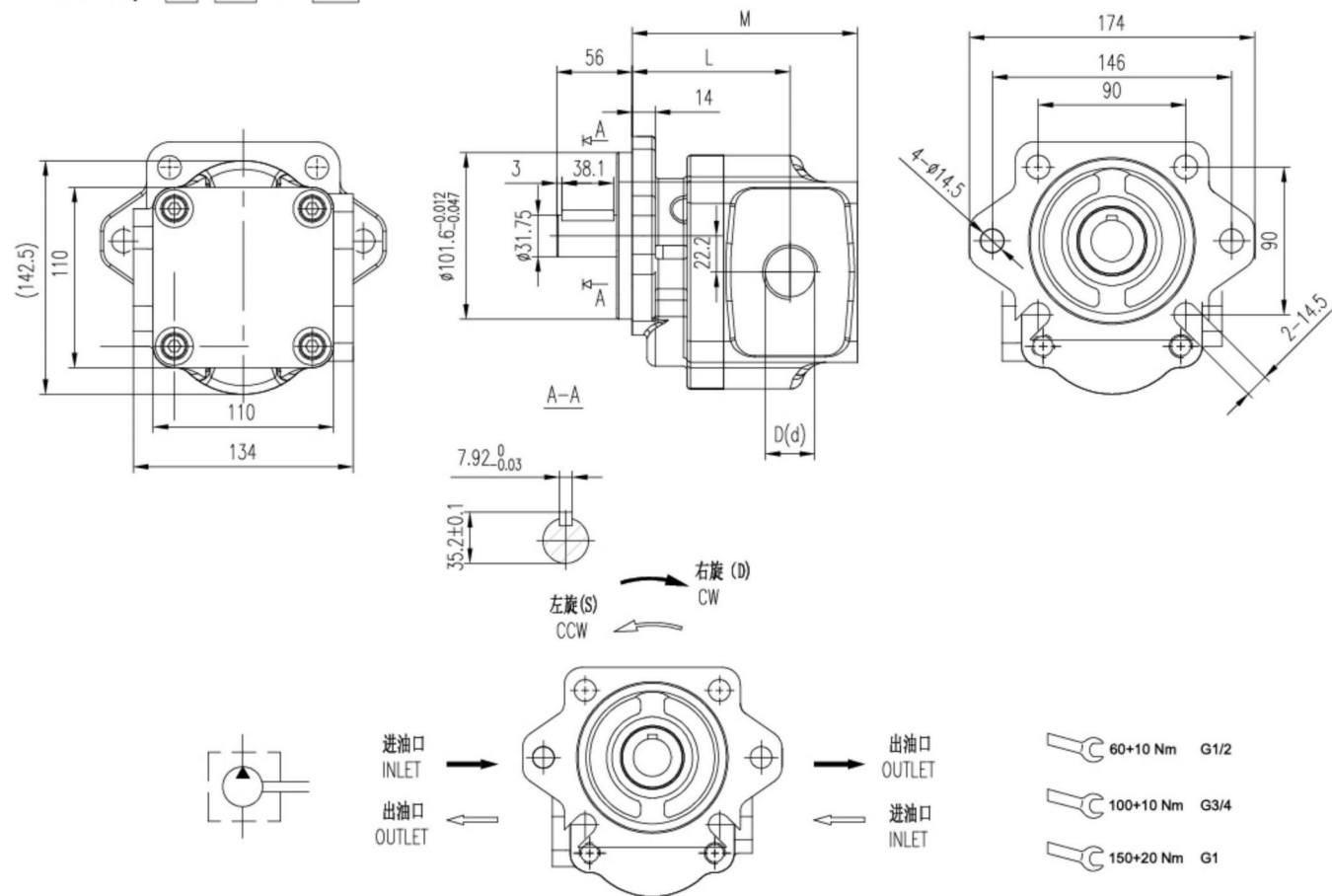
30+2 Nm M10
50+2 Nm M12

排量 Displacement (cm ³ /rev)	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET				出油口 OUTLET			
	P1	P2	P3	(r/min)	(r/min)	Kg	M	L		A	B	C	D	a	b	c	d
10	270	290	315	2500	600	11.01	127	85.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
16	270	290	315	2500	600	13.3	131	89.2	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
20	270	290	315	2500	600	14.5	134	94.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
25	270	290	315	2500	600	15.2	138	96.2	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
29	270	290	315	2500	600	16.3	140	98.2	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
32	270	290	315	2500	600	17.1	143	98.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
36	270	290	315	2500	600	18	145	103.2	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
40	270	290	315	2500	600	18.7	148.5	106.7	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
45	270	290	315	2500	600	19.6	152	103.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
51	270	290	315	2500	600	20.7	156	103.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
55	270	290	315	2500	600	22.3	159	103.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
63	270	290	315	2500	600	23.2	165	108.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
70	270	290	315	2500	600	24.5	172	118.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
80	270	290	315	2500	600	25.6	177	109.3	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4

3.5系列/Group 3.5

3.5系列标准型产品尺寸/Group 3.5 Standard Product Dimensions

PHP3.5-Q1-D-10-C0-L0

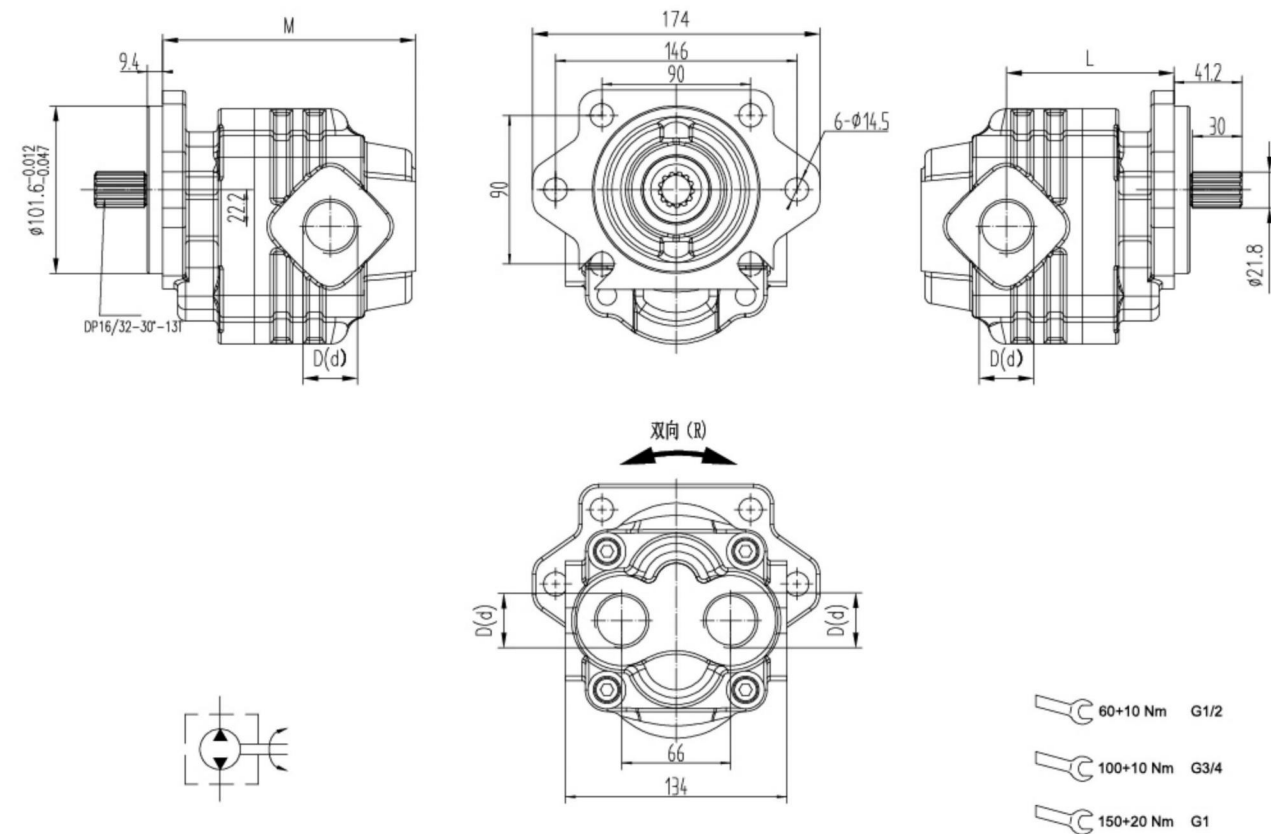


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
(cm ³ /rev)	P1 bar	P2 bar	P3 bar	(r/min)	(r/min)	Kg	M mm	L mm		D	d
10	270	290	315	2500	600	11.01	127	85.5	L0	G1/2	G1/2
16	270	290	315	2500	600	13.3	131	89.2	L1	G3/4	G3/4
20	270	290	315	2500	600	14.5	134	94.5	L1	G3/4	G3/4
25	270	290	315	2500	600	15.2	138	96.2	L1	G3/4	G3/4
29	270	290	315	2500	600	16.3	140	98.2	L1	G3/4	G3/4
32	270	290	315	2500	600	17.1	143	98.5	L1	G3/4	G3/4
36	270	290	315	2500	600	18	145	103.2	L1	G3/4	G3/4
40	270	290	315	2500	600	18.7	148.5	106.7	L2	G1	G1
45	270	290	315	2500	600	19.6	152	103.5	L2	G1	G1
51	270	290	315	2500	600	20.7	156	103.5	L2	G1	G1
55	270	290	315	2500	600	22.3	159	103.5	L2	G1	G1
63	270	290	315	2500	600	23.2	165	108.5	L2	G1	G1
70	270	290	315	2500	600	24.5	172	118.5	L2	G1	G1
80	270	290	315	2500	600	25.6	177	109.3	L2	G1	G1

3.5系列/Group 3.5

3.5系列标准型产品尺寸/Group 3.5 Standard Product Dimensions

PHP3.5A-Q1-R-10-S0-L0-L0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
(cm ³ /rev)	P1 bar	P2 bar	P3 bar	(r/min)	(r/min)	Kg	M mm	L mm		D	d
10	270	290	315	2500	600	11.01	127	85.5	L0	G1/2	G1/2
16	270	290	315	2500	600	13.3	131	89.2	L1	G3/4	G3/4
20	270	290	315	2500	600	14.5	134	94.5	L1	G3/4	G3/4
25	270	290	315	2500	600	15.2	138	96.2	L1	G3/4	G3/4
29	270	290	315	2500	600	16.3	140	98.2	L1	G3/4	G3/4
32	270	290	315	2500	600	17.1	143	98.5	L1	G3/4	G3/4
36	270	290	315	2500	600	18	145	103.2	L1	G3/4	G3/4
40	270	290	315	2500	600	18.7	148.5	106.7	L2	G1	G1
45	270	290	315	2500	600	19.6	152	103.5	L2	G1	G1
51	270	290	315	2500	600	20.7	156	103.5	L2	G1	G1
55	270	290	315	2500	600	22.3	159	103.5	L2	G1	G1
63	270	290	315	2500	600	23.2	165	108.5	L2	G1	G1
70	270	290	315	2500	600	24.5	172	118.5	L2	G1	G1
80	270	290	315	2500	600	25.6	177	109.3	L2	G1	G1

4系列/Group 4

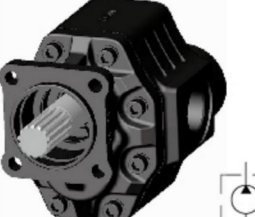
4系列选型规则/Group 4 Ordering Code Rules

P	H	P	4	Q0	D	20	S0	F1	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
	材料为铸铁 cover material cast iron	P 泵 Pump M 马达 Motor	4 4系列 Group 4 4A 4A系列 Group 4A 4B 4B系列 Group 4B		D 顺时针 Clockwise S 逆时针 Counter clockwise R 可正反转 Reversible	20 25 32 40 45 50 56 63 70 80 90 95 100					特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进出口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											
前盖 Front cover			轴伸 Shaft			泵体油口 Ports					
Q0 方形前盖 (止口Φ127) Square front cover (centering Φ127mm)			C0 平键轴 Φ31.75 straight keyed Φ31.75			F 矩形法兰 Split flange					
Q1 方形+菱形前盖 (止口Φ101.6) Square and Diamond front cover (centering Φ101.6)			S0 SAE花键轴 SAE spline shaft DP16/32-30'-13T			L 英制管螺纹 (G) Gas thread					
Q2 方形前盖 (止口Φ80) Square front cover (centering Φ80mm)			S1 SAE花键轴 SAE spline shaft DP12/24-30'-14T			N 美制锥螺纹 (NPT) NPT thread					
						U 美制管螺纹 (UNF-2B) UNF thread					
详见 179 页 See page 179 for details			详见 179 页 See page 179 for details			详见 180 页 See page 180 for details					

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

4系列/Group 4

4系列标准型产品概览/Group 4 Standard Product Overview

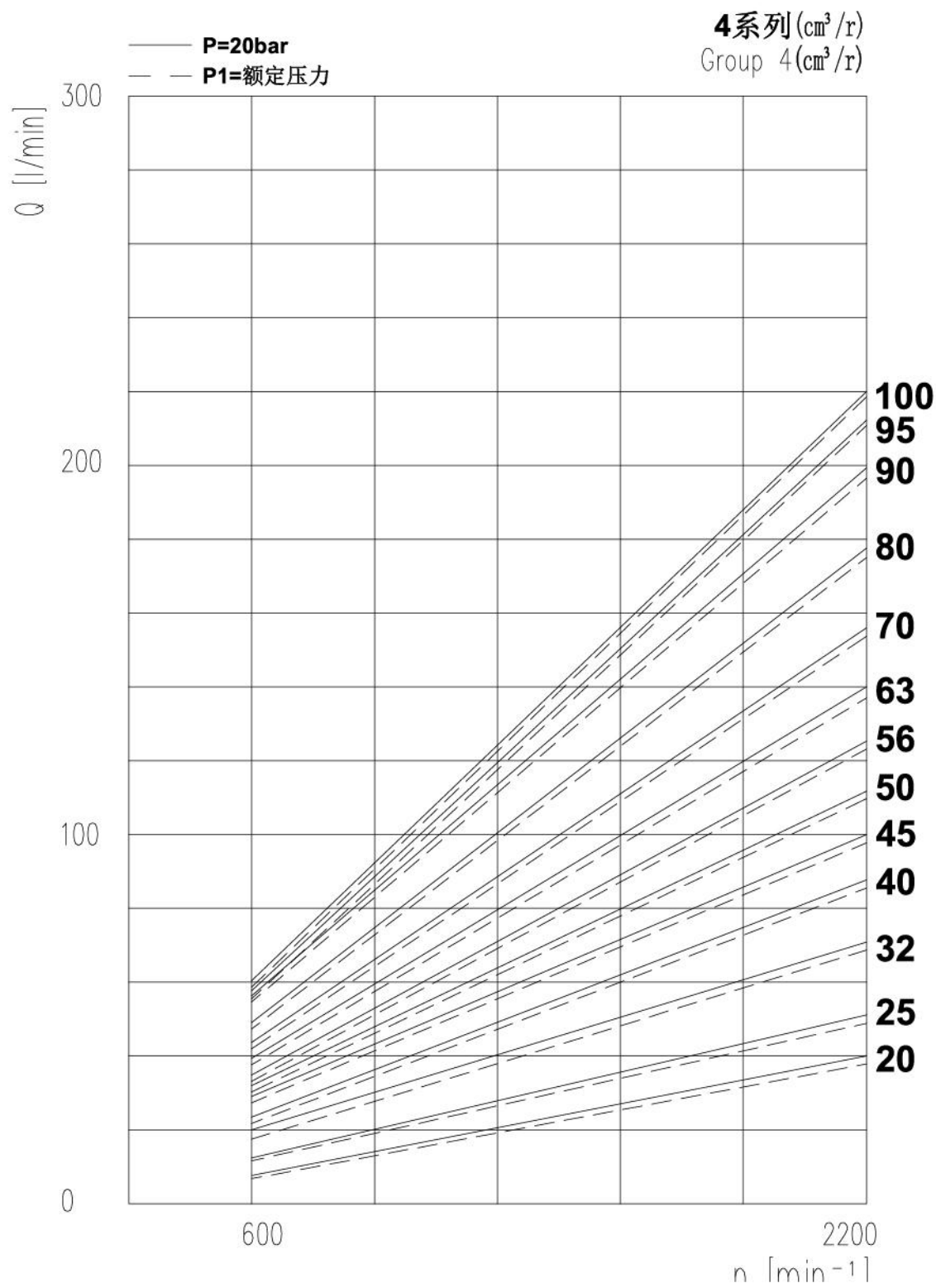
型式 type		
页码 page	181	182

4系列排量参数表/Group 4 Displacement parameter table

排量 Displacement	V	cm ³ /rev	20	25	32	40	45	50	56	63	70	80	90	95	100
吸油绝对压力 Suction absolute pressure	Pe	bar	0.7...3												
最高连续压力 Max. continuous pressure	P1		270												
最高间歇压力 Max. intermittent pressure	P2		290												
最高峰值压力 Max. peak pressure	P3		310												
最低转速 Min. speed	n _{min}	r/min	500												
最高转速 Max. speed	n _{max}		2500												
容积效率 Volumetric efficiency	η _v	%	≥91			≥92			≥93			≥95			

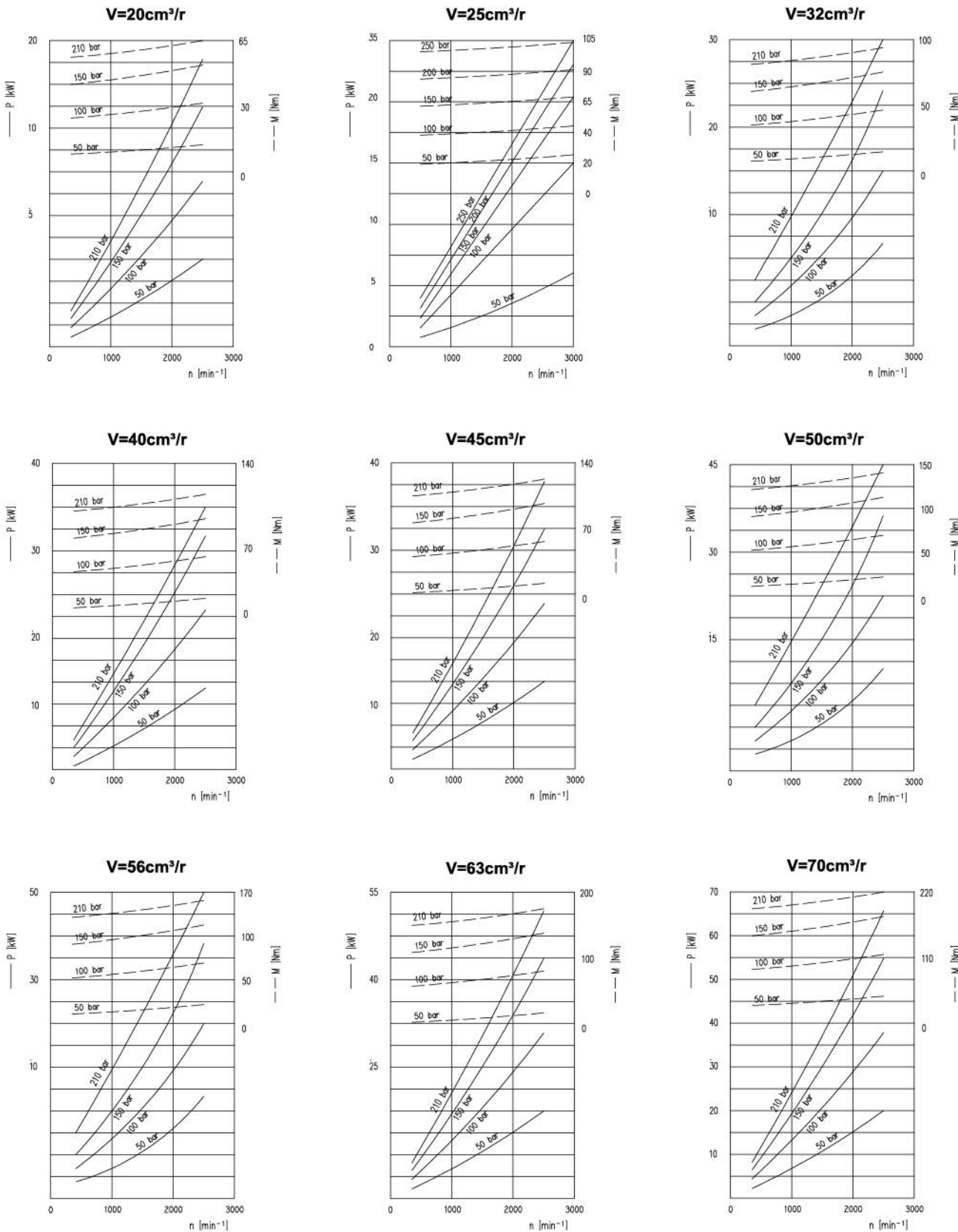
4系列/Group 4

4系列流量性能曲线表/Group 4 Flow Performance Curve Table



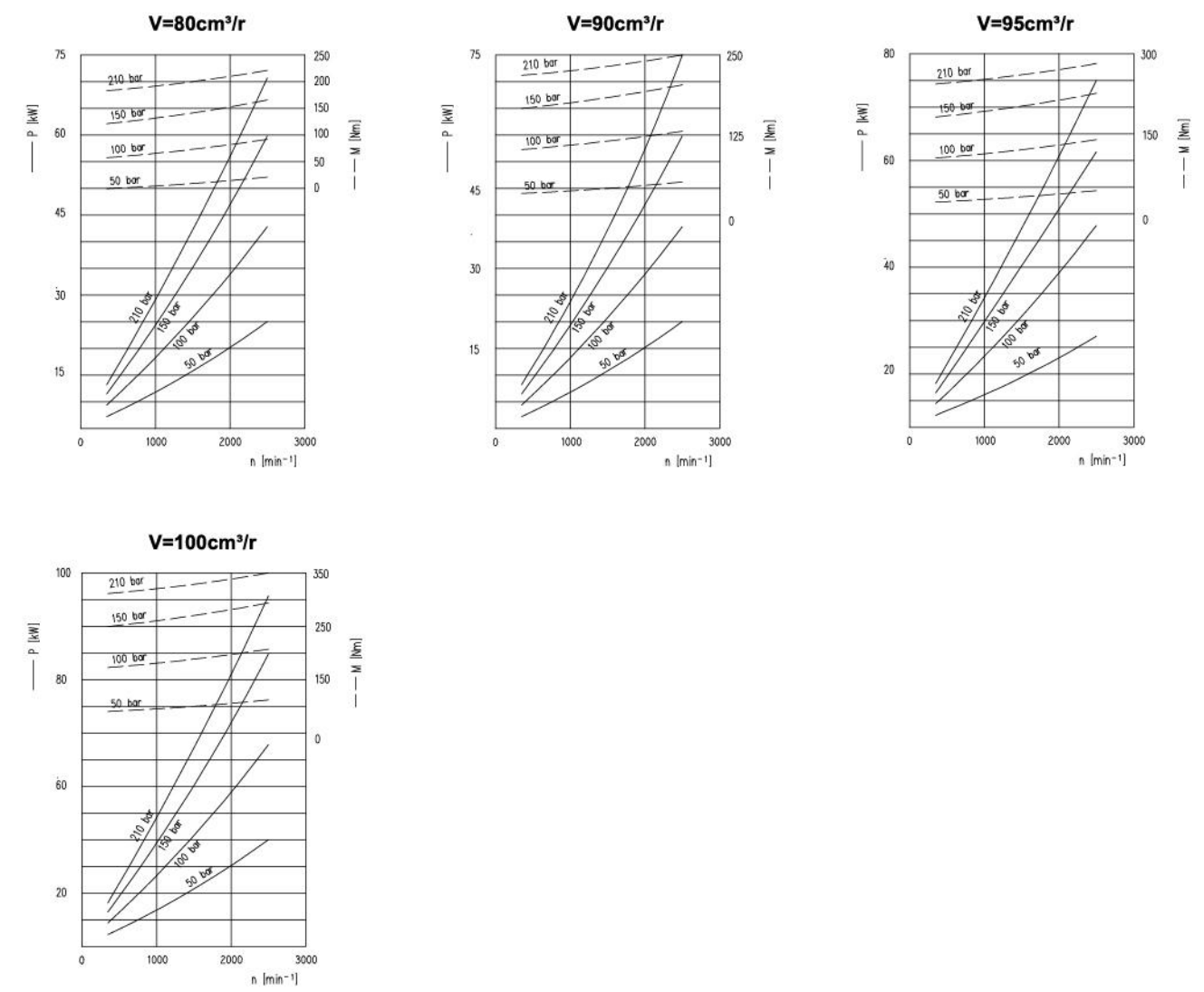
4系列/Group 4

4系列功率性能曲线表/Group 4 Power Performance Curve Table



4系列/Group 4

4系列功率性能曲线表/Group 4 Power Performance Curve Table



4系列/Group 4

4系列噪音曲线表/Group Noise Curve Table

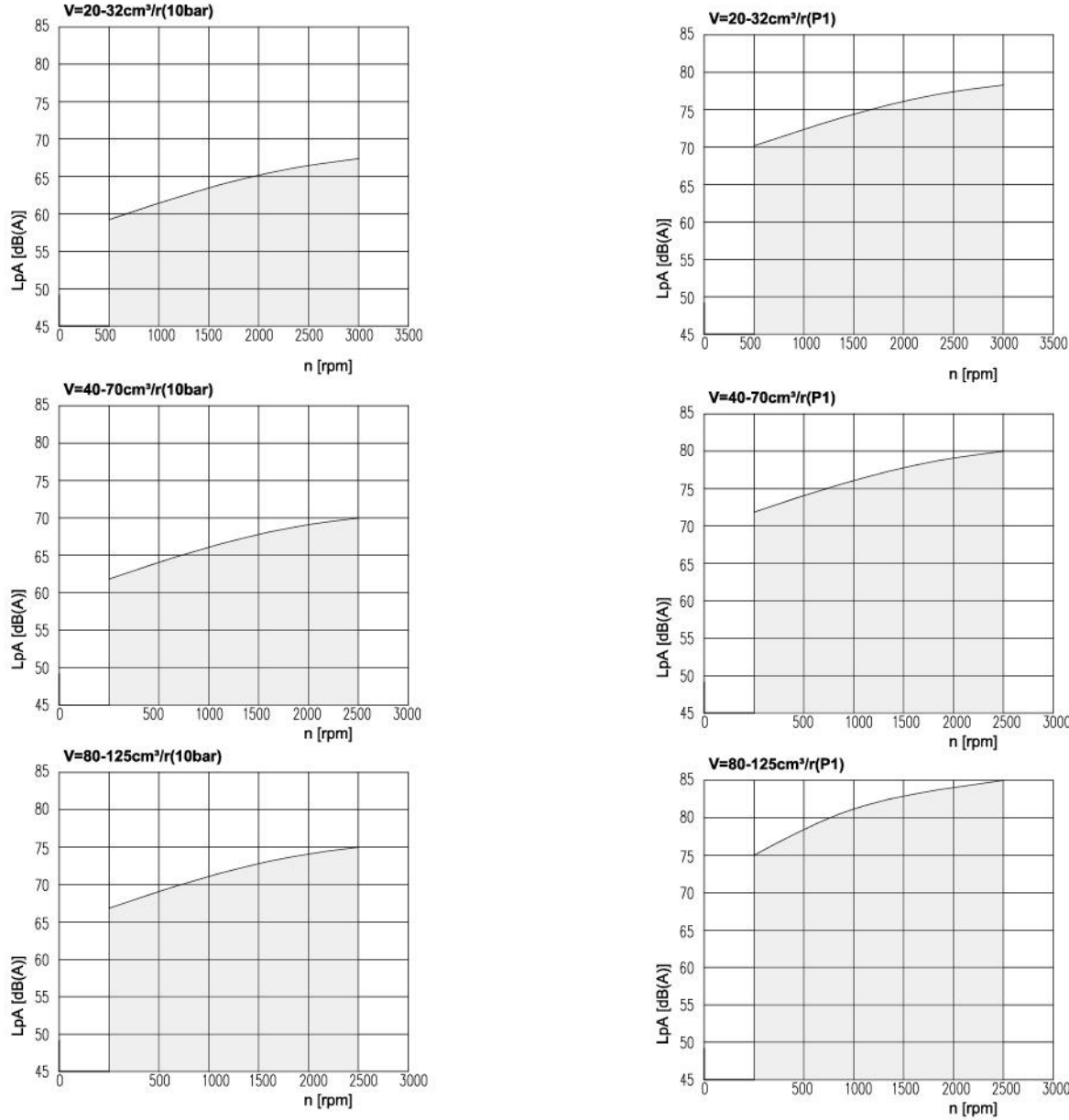
噪音曲线

噪音等级取决于转速和压力范围；这个压力范围介于10 bar和压力值 P1之间。
The noise level depends on the speed and pressure range; This pressure range is between 10 bar and pressure value P1.

油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V=32\text{mm}^2/\text{s}$, $\theta=50^\circ\text{C}$.

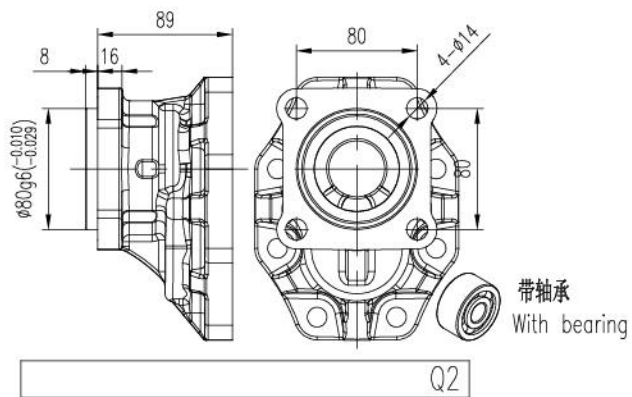
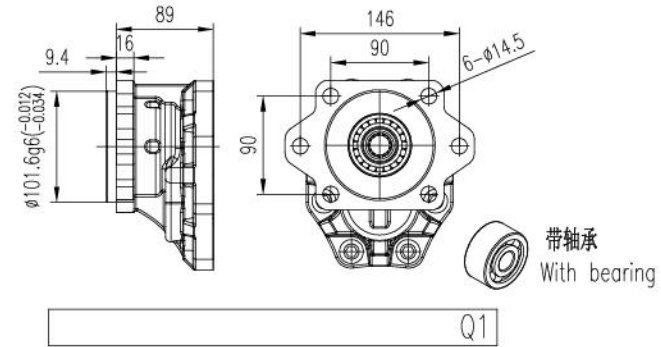
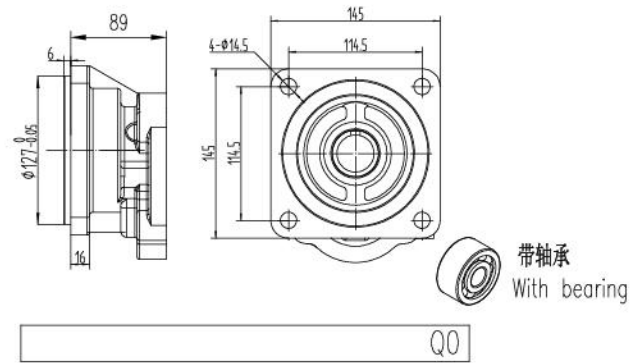
对于从吸声测量室测得的噪音值进行计算而得到的声音压力等级，符合 DIN 45635 第 26 章的要求。
The sound pressure level obtained by calculating the noise value measured from the sound absorption measuring room meets the requirements of Chapter 26 of DIN 45635.

测量传感器与液压泵之间的距离：1 米。
Distance between measuring sensor and hydraulic pump: 1m.

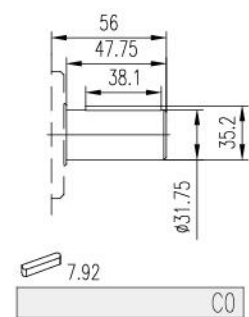


4系列/Group 4

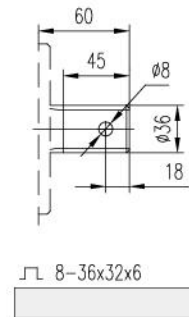
前盖/Front cover



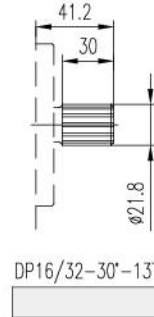
轴伸/SHAFTS



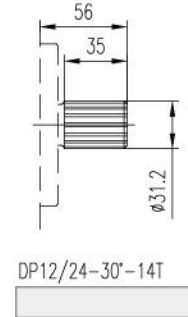
最大扭矩 500 Nm
Max.Torque



最大扭矩
Max.Torque 600 Nm



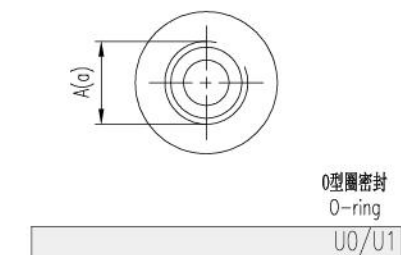
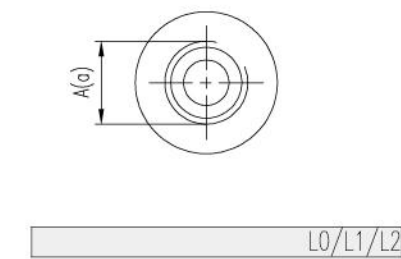
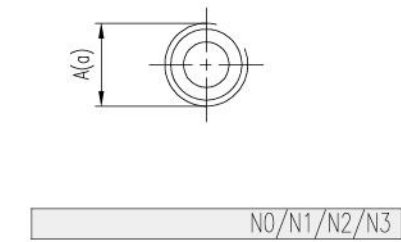
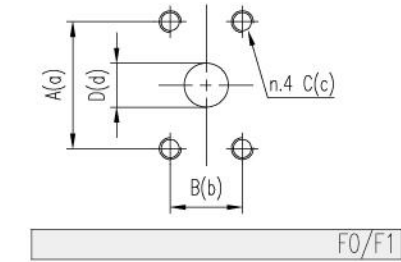
最大扭矩
Max.Torque 500 Nm



最大扭矩
Max.Torque 600 Nm

4系列/Group 4

泵体油口/PORTS



油口代号 PORTS CODE	排量 Displacement	进油口 INLET				出油口 OUTLET			
	(cm ³ /rev)	A	B	C	D	a	b	c	d
F0	20...80	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
F1	90...100	77.8	42.9	M12	50.8	58.7	30.2	M10	31.8

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
N0	20	NPT1/2	NPT1/2
N1	25...32	NPT3/4	NPT3/4
N2	40...63	NPT 1	NPT 1
N3	70...100	NPT1 1/4	NPT1 1/4

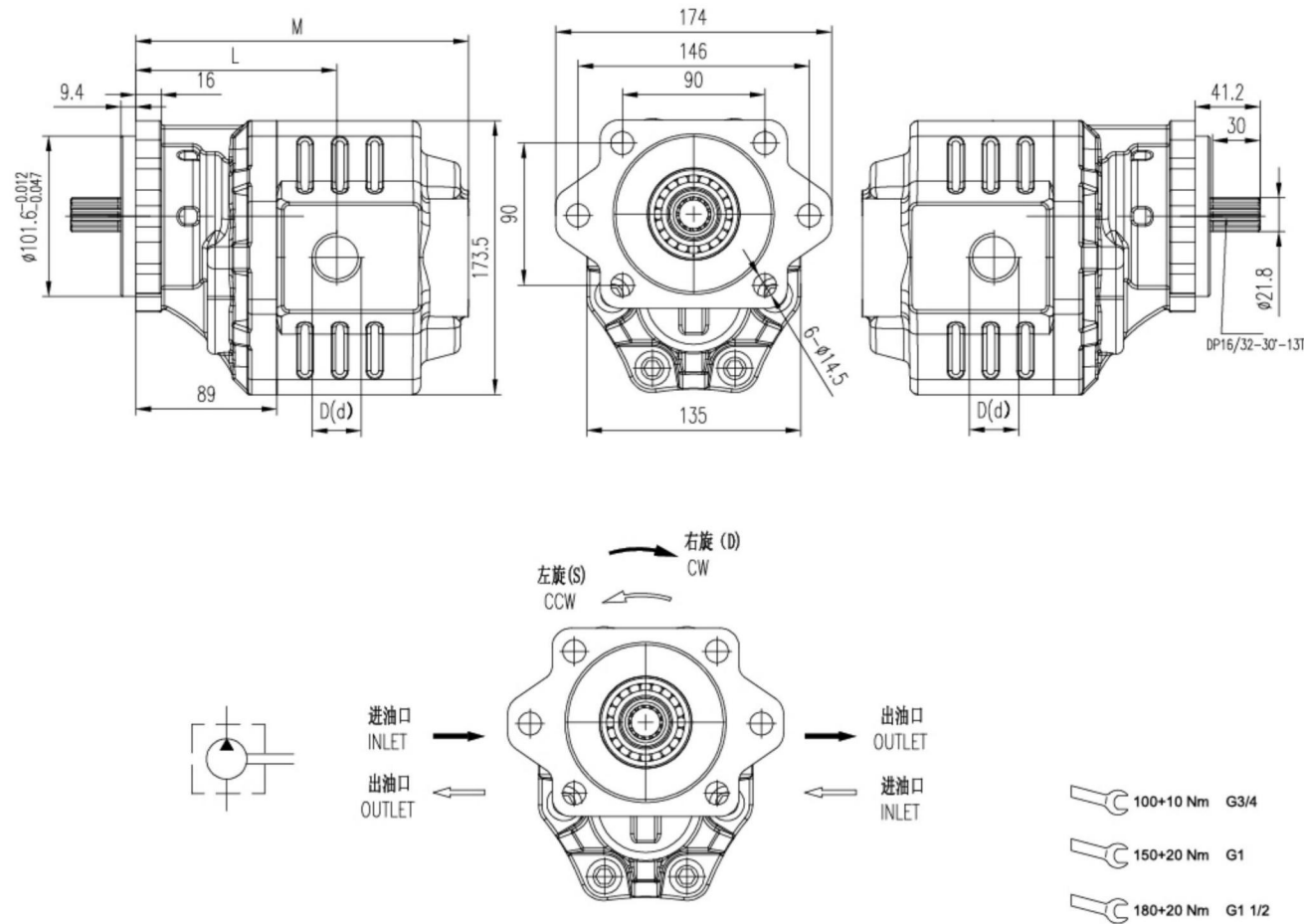
油口代号 PORTS CODE	排量 Displacement	进油口 INLET	出油口 OUTLET
	(cm ³ /rev)	A	a
L0	20...32	G3/4	G3/4
L1	40...63	G1	G1
L2	90...100	G1 1/2	G1 1/2

油口代号 PORTS CODE	排量 Displacement	进油口 INLET	出油口 OUTLET
	(cm ³ /rev)	A	a
U0	25...40	1 5/16-12UNF	1 5/16-12UNF
U1	50...100	1 7/8-12UNF	1 7/8-12UNF
U2	20	1 1/16-12UNF	1 1/16-12UNF

4系列/Group 4

4系列标准型产品尺寸/Group 4 Standard Product Dimensions

PHP4-Q1-D-20-S0-L0

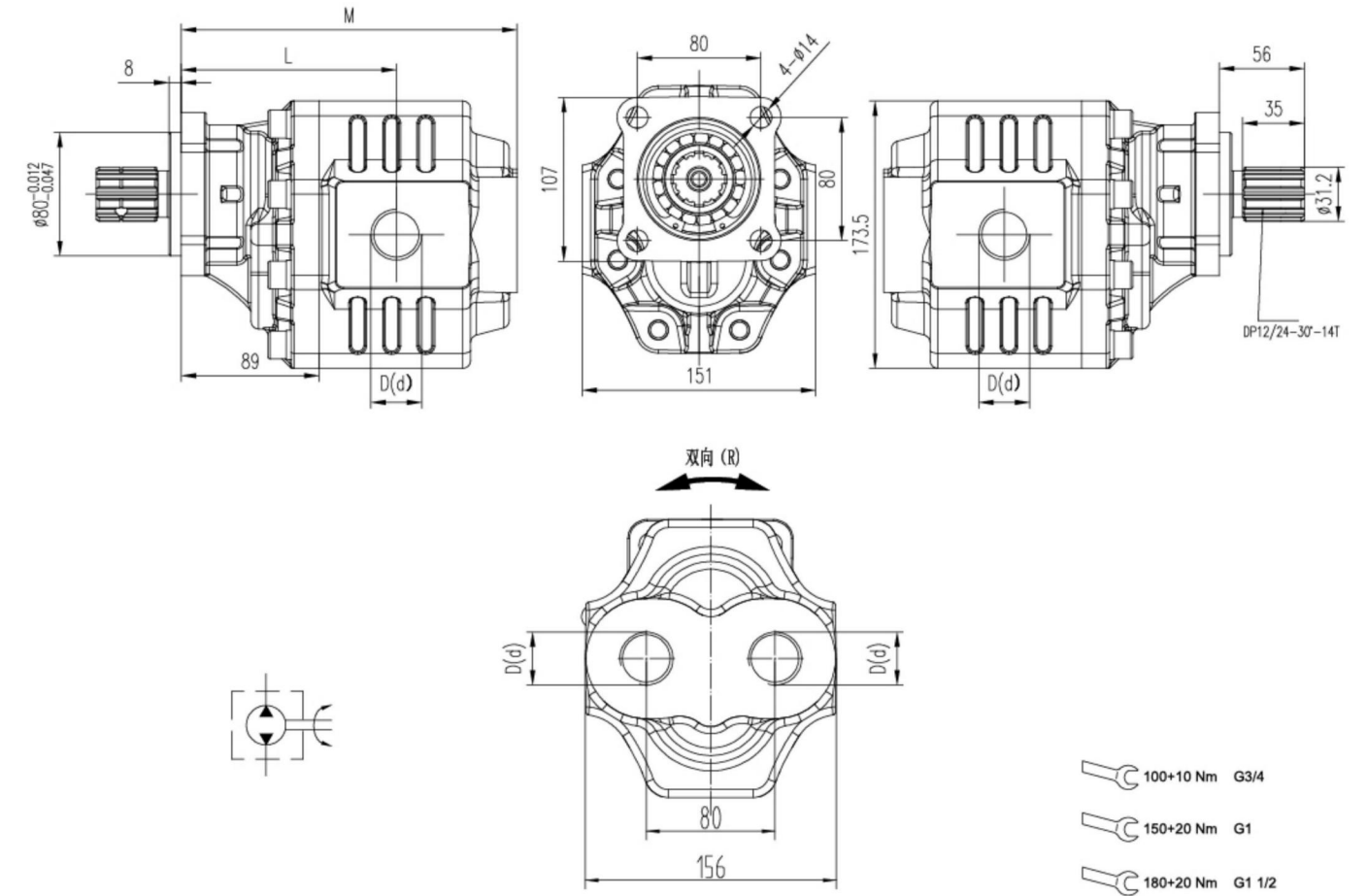


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
20	270	290	315	2500	600	21	175	124	L0	G3/4	G3/4
25	270	290	315	2500	600	21.6	177	125	L0	G3/4	G3/4
32	270	290	315	2500	600	22.3	181	127	L0	G3/4	G3/4
40	270	290	315	2500	600	23	187	129	L1	G1	G1
45	270	290	315	2500	600	23.6	190	130	L1	G1	G1
50	270	290	315	2500	600	24.4	193	131.5	L1	G1	G1
56	270	290	315	2500	600	25.2	196.5	133	L1	G1	G1
63	270	290	315	2500	600	26	200	134.7	L1	G1	G1
70	270	290	315	2500	600	26.4	205	136.5	L2	G1 1/2	G1 1/2
80	270	290	315	2500	600	27.4	210	139	L2	G1 1/2	G1 1/2
90	270	290	315	2500	600	28.4	212.5	141.5	L2	G1 1/2	G1 1/2
95	270	290	315	2500	600	29.4	217	143.3	L2	G1 1/2	G1 1/2
100	270	290	315	2500	600	30.5	227	149	L2	G1 1/2	G1 1/2

4系列/Group 4

4系列标准型产品尺寸/Group 4 Standard Product Dimensions

PHP4A-Q2-R-20-S1-L0

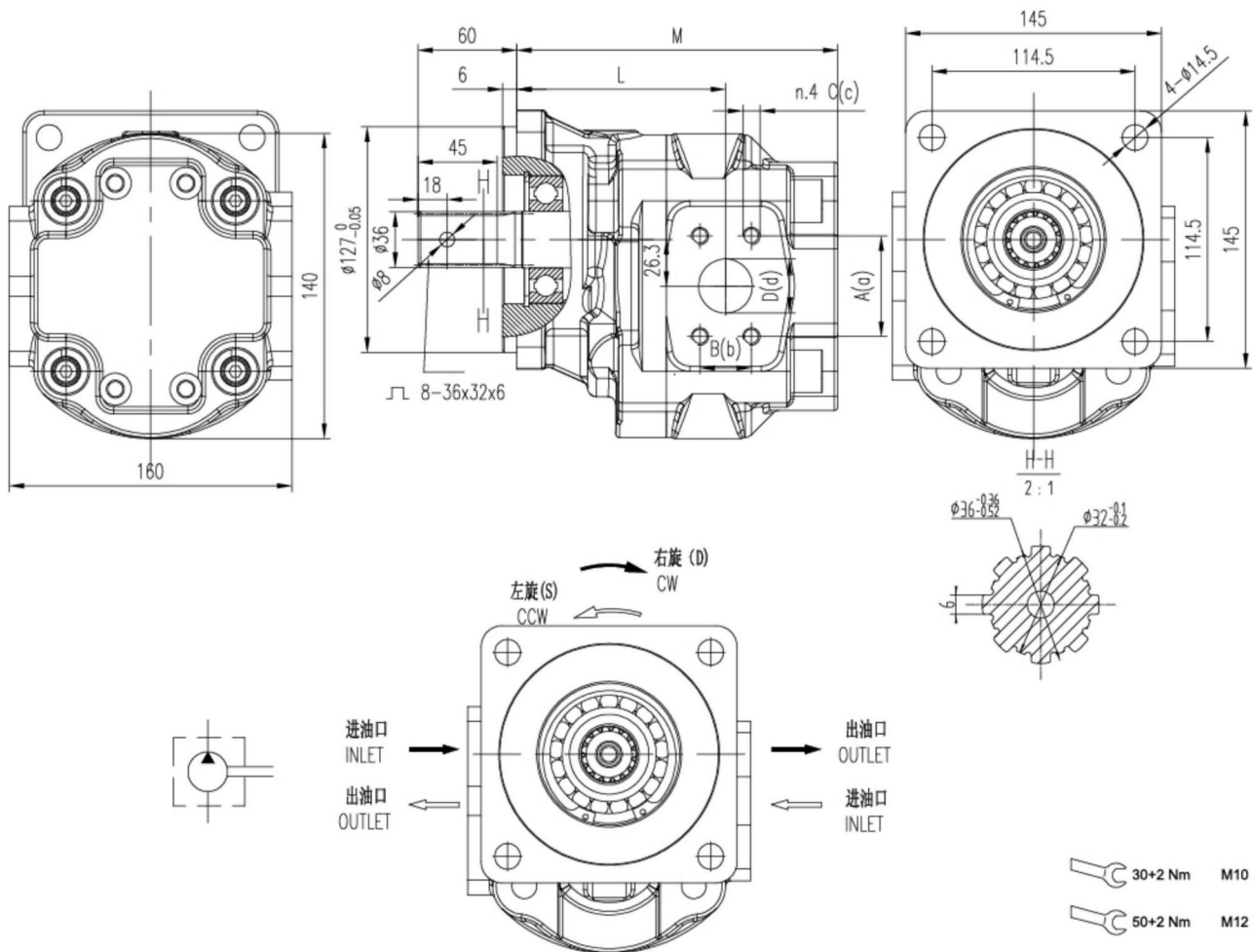


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
20	270	290	315	2500	600	21	175	124	L0	G3/4	G3/4
25	270	290	315	2500	600	21.6	177	125	L0	G3/4	G3/4
32	270	290	315	2500	600	22.3	181	127	L0	G3/4	G3/4
40	270	290	315	2500	600	23	187	129	L1	G1	G1
45	270	290	315	2500	600	23.6	190	130	L1	G1	G1
50	270	290	315	2500	600	24.4	193	131.5	L1	G1	G1
56	270	290	315	2500	600	25.2	196.5	133	L1	G1	G1
63	270	290	315	2500	600	26	200	134.7	L1	G1	G1
70	270	290	315	2500	600	26.4	205	136.5	L2	G1 1/2	G1 1/2
80	270	290	315	2500	600	27.4	210	139	L2	G1 1/2	G1 1/2
90	270	290	315	2500	600	28.4	212.5	141.5	L2	G1 1/2	G1 1/2
95	270	290	315	2500	600	29.4	217	143.3	L2	G1 1/2	G1 1/2
100	270	290	315	2500	600	30.5	227	149	L2	G1 1/2	G1 1/2

4系列/Group 4

4系列标准型产品尺寸/Group 4 Standard Product Dimensions

PHP4B-Q0-D-20-H0-F0



排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET				出油口 OUTLET			
	P1	P2	P3				M	L		A	B	C	D	a	b	c	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm	mm	mm
20	270	290	315	2500	600	21	173	113	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
25	270	290	315	2500	600	21.6	175	117	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
32	270	290	315	2500	600	22.3	177	121	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
40	270	290	315	2500	600	23	181	125	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
45	270	290	315	2500	600	23.6	182	127	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
50	270	290	315	2500	600	24.4	186	122.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
56	270	290	315	2500	600	25.2	189	125.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
63	270	290	315	2500	600	26	192	129	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
70	270	290	315	2500	600	26.4	195.8	128	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
80	270	290	315	2500	600	27.4	200.8	133	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
90	270	290	315	2500	600	28.4	205.8	137	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
95	270	290	315	2500	600	29.4	208.3	139.5	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4
100	270	290	315	2500	600	30.5	212.8	144	F0	69.9	35.7	M12	38.1	52.4	26.2	M10	25.4

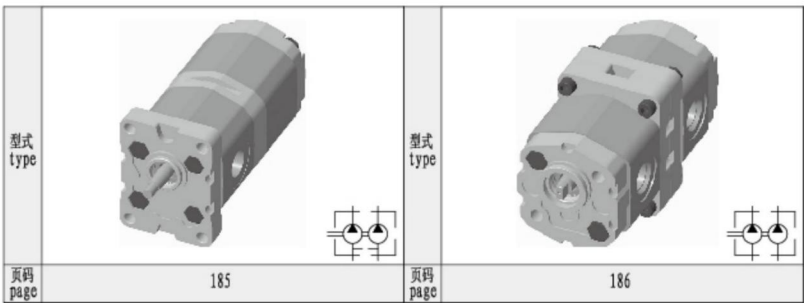
1/1系列/Group 1/1

1/1系列选型规则/Group 1/1 Ordering Code Rules

P	K	P	1/1	Q1	D	0.8/0.8	G0	L3/L3	G	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
K	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1系列 Group 1 + 1系列 Group 1	见1系列目录 Ref. Group 1 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA 0.8 PB 0.8 1.1 1.1 1.3 1.3 1.6 1.6 1.8 1.8 2.1 2.1 2.7 2.7 3.2 3.2 3.7 3.7 4.2 4.2 4.8 4.8 5.8 5.8 7.0 7.0 8.0 8.0	见1系列目录 Ref. Group 1 catalogue	见1系列目录 Ref. Group 1 catalogue	通油型 Common type 不通油型 Separated type		特殊设计 special designing
可选项 Options 省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

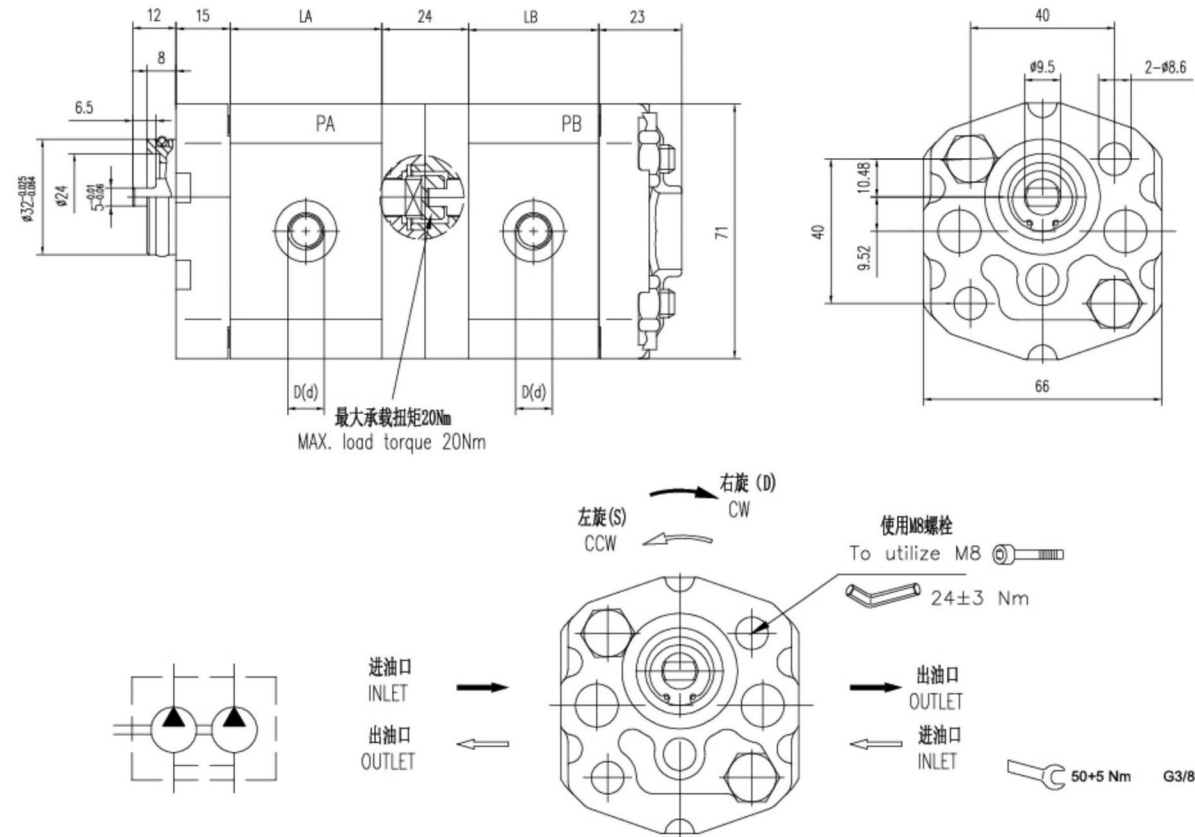
1/1系列标准型产品概览/Group 1/1 Standard Product Overview



1/1系列/Group 1/1

1/1系列标准型产品尺寸/Group 1/1 Standard Product Dimensions

PKP1/1-Q1-D-0.8/0.8-G0-L3/L3-F

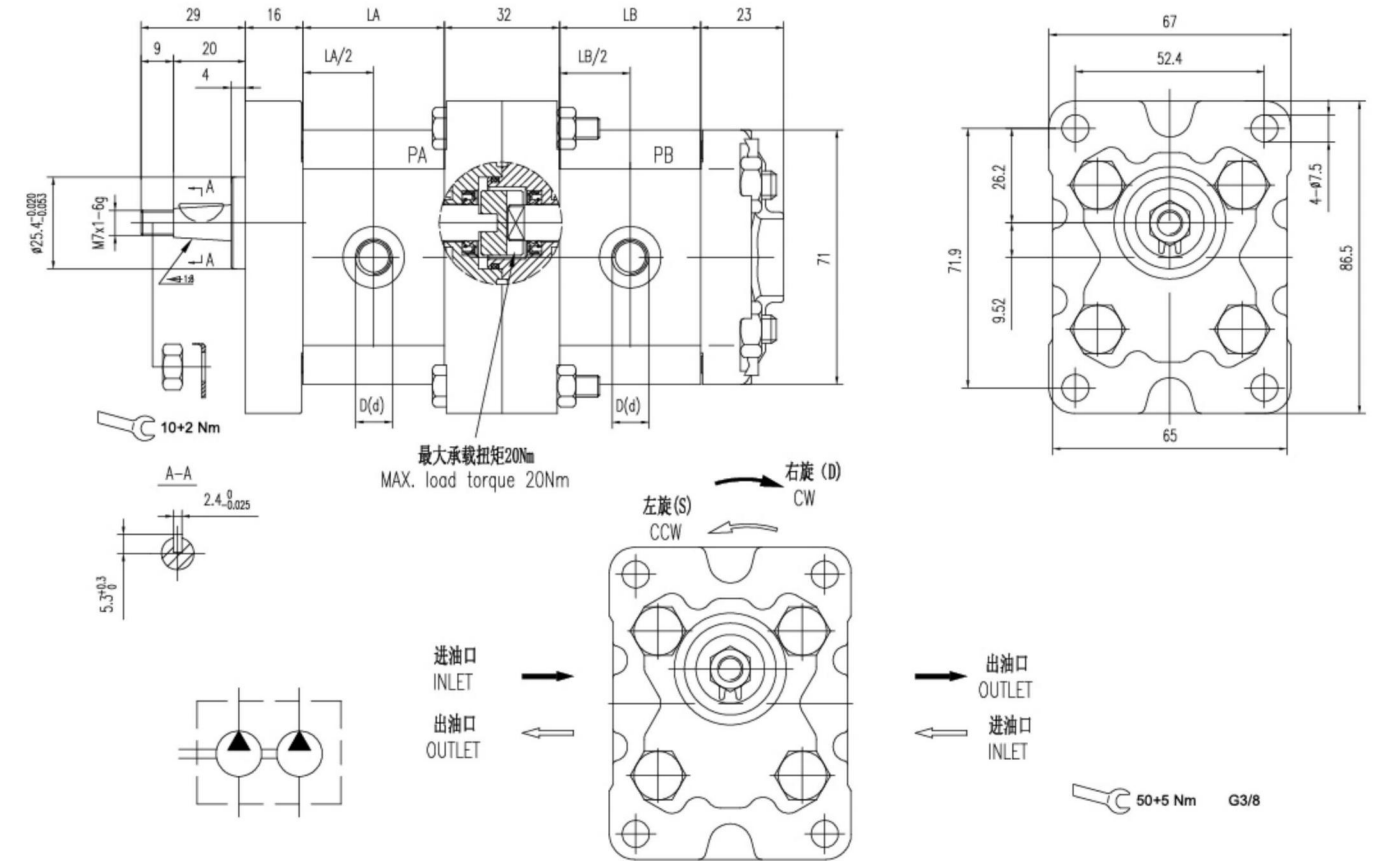


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
0.8	0.8	230	230	2500	600	35.6	35.6	L3	G3/8	G3/8	L3	G3/8	G3/8
1.1	1.1	230	230			36.1	36.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.3	1.3	230	230			37.1	37.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.6	1.6	230	230			38.1	38.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.8	1.8	230	230			39.1	39.1	L3	G3/8	G3/8	L3	G3/8	G3/8
2.1	2.1	230	230			40.1	40.1	L3	G3/8	G3/8	L3	G3/8	G3/8
2.7	2.7	230	230			42.1	42.1	L3	G3/8	G3/8	L3	G3/8	G3/8
3.2	3.2	210	210			44.1	44.1	L3	G3/8	G3/8	L3	G3/8	G3/8
3.7	3.7	210	210			46.1	46.1	L3	G3/8	G3/8	L3	G3/8	G3/8
4.2	4.2	210	210			48.1	48.1	L3	G3/8	G3/8	L3	G3/8	G3/8
4.8	4.8	190	190			50.1	50.1	L3	G3/8	G3/8	L3	G3/8	G3/8
5.8	5.8	190	190			54.1	54.1	L3	G3/8	G3/8	L3	G3/8	G3/8
7.0	7.0	160	160			58.1	58.1	L3	G3/8	G3/8	L3	G3/8	G3/8
8.0	8.0	160	160			62.1	62.1	L3	G3/8	G3/8	L3	G3/8	G3/8

1/1系列/Group 1/1

1/1系列标准型产品尺寸/Group 1/1 Standard Product Dimensions

PKP1/1-B0-D-0.8/0.8-T0-L3/L3-E



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
0.8	0.8	230	230	2500	600	35.6	35.6	L3	G3/8	G3/8	L3	G3/8	G3/8
1.1	1.1	230	230			36.1	36.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.3	1.3	230	230			37.1	37.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.6	1.6	230	230			38.1	38.1	L3	G3/8	G3/8	L3	G3/8	G3/8
1.8	1.8	230	230			39.1	39.1	L3	G3/8	G3/8	L3	G3/8	G3/8
2.1	2.1	230	230			40.1	40.1	L3	G3/8	G3/8	L3	G3/8	G3/8
2.7	2.7	230	230			42.1	42.1	L3	G3/8	G3/8	L3	G3/8	G3/8
3.2	3.2	210	210			44.1	44.1	L3	G3/8	G3/8	L3	G3/8	G3/8
3.7	3.7	210	210			46.1	46.1	L3	G3/8	G3/8	L3	G3/8	G3/8
4.2	4.2	210	210			48.1	48.1	L3	G3/8	G3/8	L3	G3/8	G3/8
4.8	4.8	190	190			50.1	50.1	L3	G3/8	G3/8	L3	G3/8	G3/8
5.8	5.8	190	190			54.1	54.1	L3	G3/8	G3/8	L3	G3/8	G3/8
7.0	7.0	160	160			58.1	58.1	L3	G3/8	G3/8	L3	G3/8	G3/8
8.0	8.0	160	160			62.1	62.1	L3	G3/8	G3/8	L3	G3/8	G3/8

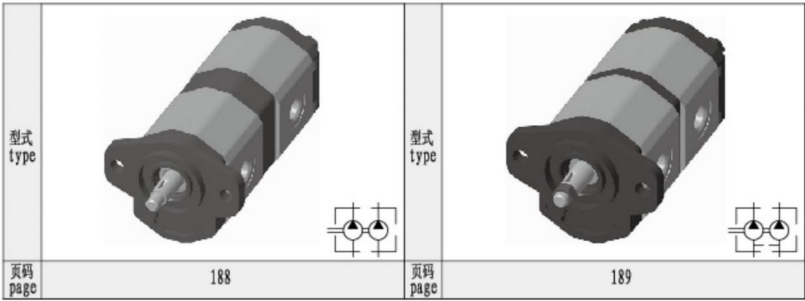
1.25/1.25系列/Group 1.25/1.25

1.25/1.25系列选型规则/Group 1.25/1.25 Ordering Code Rules

P	H	P	1.25/1.25	A0	D	1.4/1.4	T0	L0/L0	E	省略/omit	省略/omit
Prance	材质	功能	系列	前盖	旋向	排量	轴伸	泵体油口	特殊结构	可选项	其他
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1.25系列 Group 1.25	见1.25系列目录 Ref. Group 1.25 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 1.4 1.4 2.1 2.1 2.8 2.8 3.5 3.5 4.1 4.1 5.2 5.2 6.2 6.2 7.6 7.6 9.3 9.3 11.0 11.0 13.8 13.8	见1.25系列目录 Ref. Group 1.25 catalogue	见1.25系列目录 Ref. Group 1.25 catalogue	F 通油型 Common type E 不通油型 Separated type		特殊设计 special designing
H	前、后盖材料为铸钢，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers		1.25系列 Group 1.25 + 1.25系列 Group 1.25								
可选项 Options											
省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为30bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

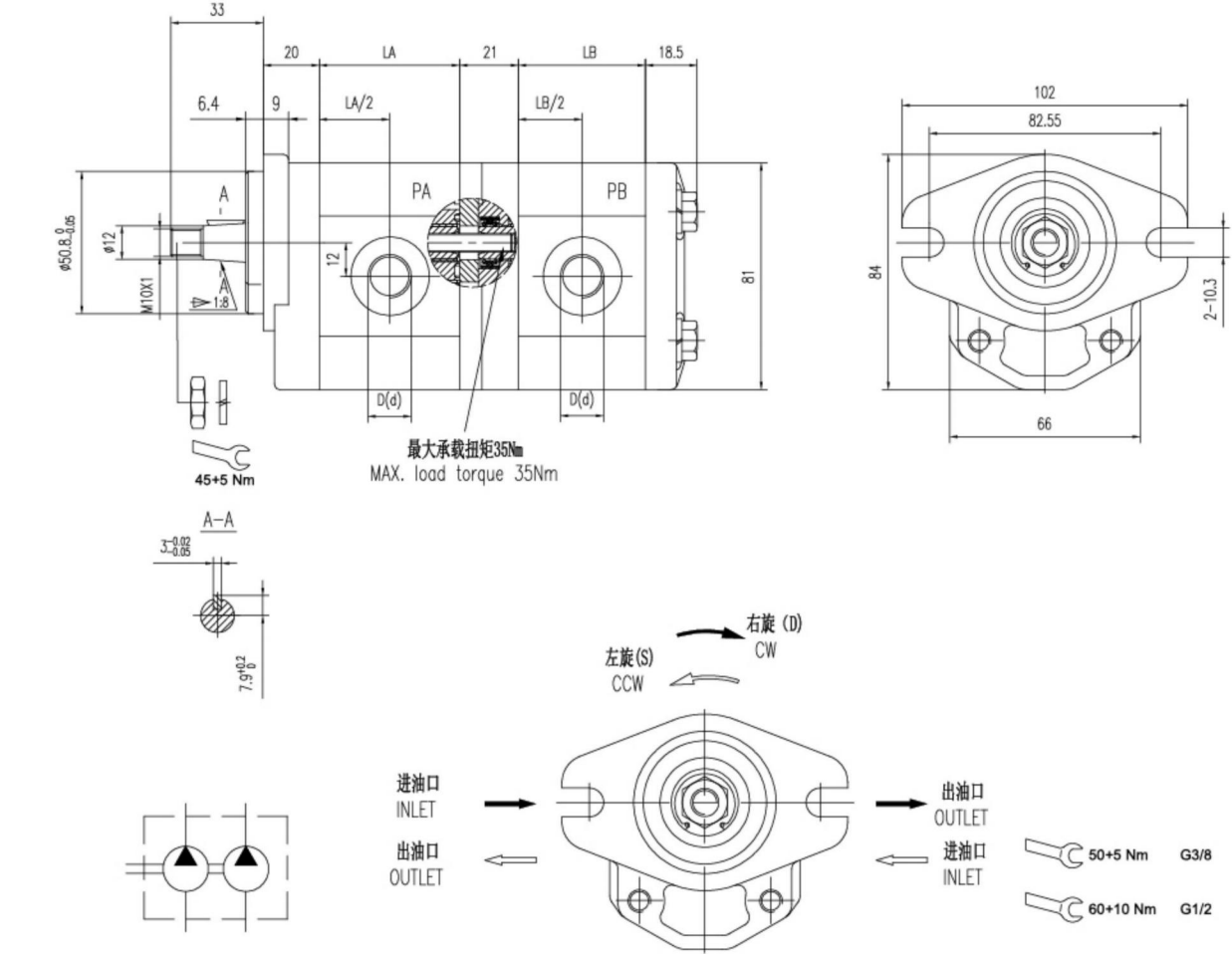
1.25/1.25系列标准型产品概览/Group 1.25/1.25 Standard Product Overview



1.25/1.25系列/Group 1.25/1.25

1.25/1.25系列标准型产品尺寸/Group 1.25/1.25 Standard Product Dimensions

PHP1.25/1.25-A0-D-1.4/1.4-T0-L0/L0-E

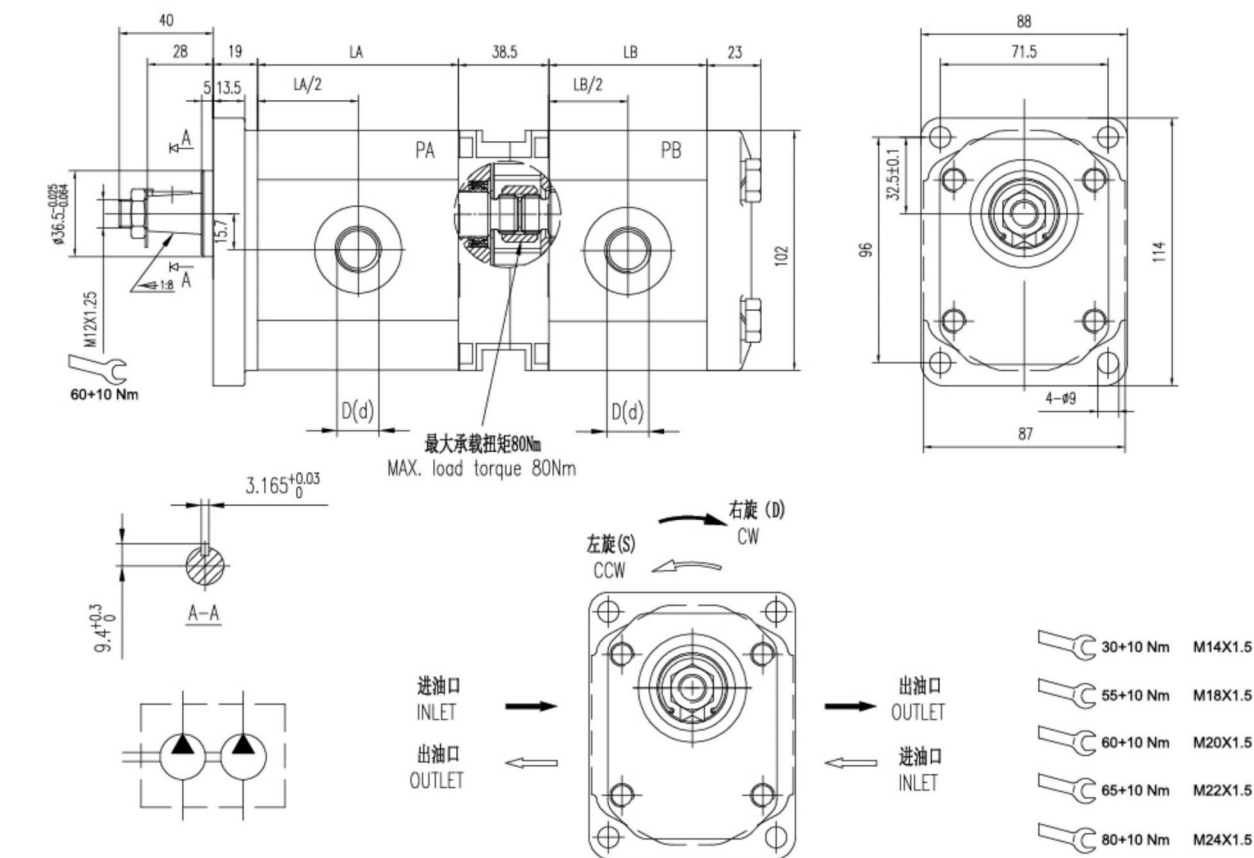


排量 Displacement		最大压力 Max. pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	B	b	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
1.4	1.4	250	250	2500	600	44.1	44.1	L0	G1/2	G3/8	L0	G1/2	G3/8
2.1	2.1	250	250			46.1	46.1	L0	G1/2	G3/8	L0	G1/2	G3/8
2.8	2.8	250	250			48.1	48.1	L0	G1/2	G3/8	L0	G1/2	G3/8
3.5	3.5	250	250			50.1	50.1	L0	G1/2	G3/8	L0	G1/2	G3/8
4.1	4.1	250	250			52.1	52.1	L1	G1/2	G1/2	L1	G1/2	G1/2
5.2	5.2	230	230			55.1	55.1	L1	G1/2	G1/2	L1	G1/2	G1/2
6.2	6.2	230	230			58.1	58.1	L1	G1/2	G1/2	L1	G1/2	G1/2
7.6	7.6	200	200			62.1	62.1	L1	G1/2	G1/2	L1	G1/2	G1/2
9.3	9.3	180	180			67.1	67.1	L1	G1/2	G1/2	L1	G1/2	G1/2
11.0	11.0	170	170			72.1	72.1	L1	G1/2	G1/2	L1	G1/2	G1/2
13.8	13.8	150	150			80.1	80.1	L1	G1/2	G1/2	L1	G1/2	G1/2

2/2系列/Group 2/2

2/2系列标准型产品尺寸/Group 2/2 Standard Product Dimensions

PHP2/2-B0-D-3/3-T0-L0/L0-E

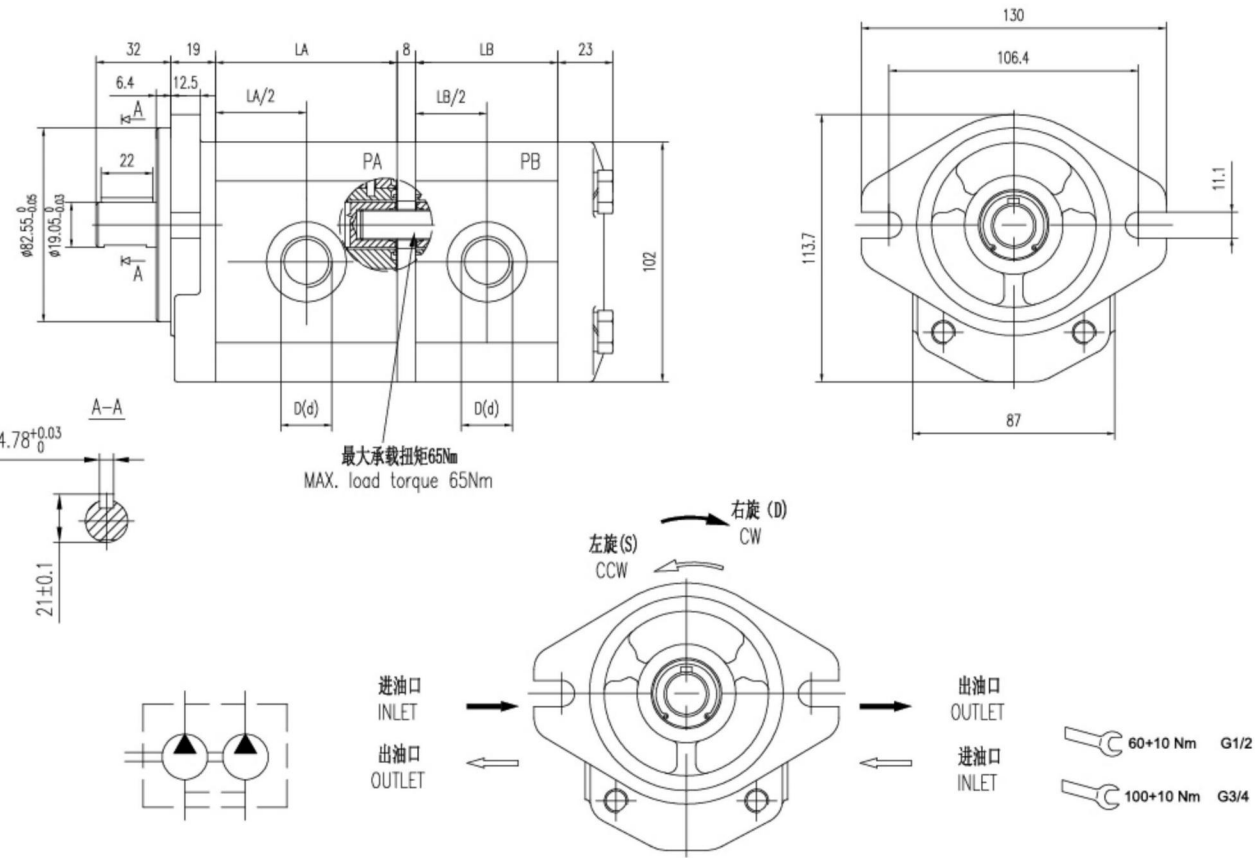


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
3	3	285	285	2500	600	49.1	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2
4	4	285	285			50.7	50.7	L0	G1/2	G1/2	L0	G1/2	G1/2
6	6	285	285			54	54	L0	G1/2	G1/2	L0	G1/2	G1/2
8	8	285	285			57.3	57.3	L1	G3/4	G1/2	L1	G3/4	G1/2
10	10	285	285			60.6	60.6	L1	G3/4	G1/2	L1	G3/4	G1/2
12	12	285	285			63.9	63.9	L1	G3/4	G1/2	L1	G3/4	G1/2
14	14	265	265			67.3	67.3	L1	G3/4	G1/2	L1	G3/4	G1/2
16	16	265	265			70.7	70.7	L1	G3/4	G1/2	L1	G3/4	G1/2
18	18	265	265			74	74	L1	G3/4	G1/2	L1	G3/4	G1/2
20	20	235	235			77.3	77.3	L1	G3/4	G1/2	L1	G3/4	G1/2
22	22	235	235			80.6	80.6	L1	G3/4	G1/2	L1	G3/4	G1/2
25	25	215	215			85.6	85.6	L1	G3/4	G1/2	L1	G3/4	G1/2
28	28	190	190			90.6	90.6	L1	G3/4	G1/2	L1	G3/4	G1/2
30	30	170	170			93.9	93.9	L1	G3/4	G1/2	L1	G3/4	G1/2

2/2系列/Group 2/2

2/2系列标准型产品尺寸/Group 2/2 Standard Product Dimensions

PHP2/2-A0-D-3/3-C1-L0/L0-F

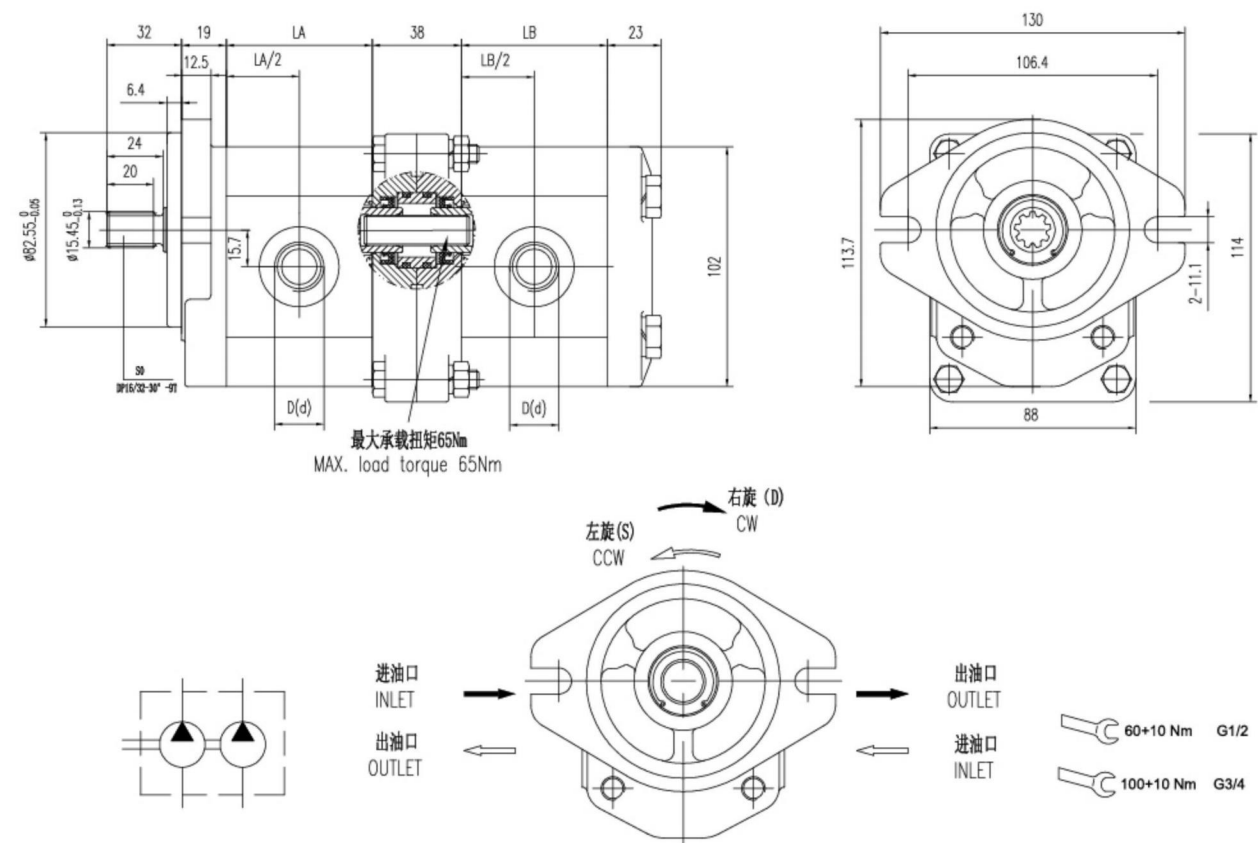


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
3	3	285	285	2500	600	49.1	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2
4	4	285	285			50.7	50.7	L0	G1/2	G1/2	L0	G1/2	G1/2
6	6	285	285			54	54	L0	G1/2	G1/2	L0	G1/2	G1/2
8	8	285	285			57.3	57.3	L1	G3/4	G1/2	L1	G3/4	G1/2
10	10	285	285			60.6	60.6	L1	G3/4	G1/2	L1	G3/4	G1/2
12	12	285	285			63.9	63.9	L1	G3/4	G1/2	L1	G3/4	G1/2
14	14	265	265			67.3	67.3	L1	G3/4	G1/2	L1	G3/4	G1/2
16	16	265	265			70.7	70.7	L1	G3/4	G1/2	L1	G3/4	G1/2
18	18	265	265			74	74	L1	G3/4	G1/2	L1	G3/4	G1/2
20	20	235	235			77.3	77.3	L1	G3/4	G1/2	L1	G3/4	G1/2
22	22	235	235			80.6	80.6	L1	G3/4	G1/2	L1	G3/4	G1/2
25	25	215	215			85.6	85.6	L1	G3/4	G1/2	L1	G3/4	G1/2
28	28	190	190			90.6	90.6	L1	G3/4	G1/2	L1	G3/4	G1/2
30	30	170	170			93.9	93.9	L1	G3/4	G1/2	L1	G3/4	G1/2

2/2系列/Group 2/2

2/2系列标准型产品尺寸/Group 2/2 Standard Product Dimensions

PHP2/2-A0-D-3/3-S0-L0/L0-Ef



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
3	3	285	285	2500	600	49.1	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2
4	4	285	285			50.7	50.7	L0	G1/2	G1/2	L0	G1/2	G1/2
6	6	285	285			54	54	L0	G1/2	G1/2	L0	G1/2	G1/2
8	8	285	285			57.3	57.3	L1	G3/4	G1/2	L1	G3/4	G1/2
10	10	285	285			60.6	60.6	L1	G3/4	G1/2	L1	G3/4	G1/2
12	12	285	285			63.9	63.9	L1	G3/4	G1/2	L1	G3/4	G1/2
14	14	265	265			67.3	67.3	L1	G3/4	G1/2	L1	G3/4	G1/2
16	16	265	265			70.7	70.7	L1	G3/4	G1/2	L1	G3/4	G1/2
18	18	265	265			74	74	L1	G3/4	G1/2	L1	G3/4	G1/2
20	20	235	235			77.3	77.3	L1	G3/4	G1/2	L1	G3/4	G1/2
22	22	235	235			80.6	80.6	L1	G3/4	G1/2	L1	G3/4	G1/2
25	25	215	215			85.6	85.6	L1	G3/4	G1/2	L1	G3/4	G1/2
28	28	190	190			90.6	90.6	L1	G3/4	G1/2	L1	G3/4	G1/2
30	30	170	170			93.9	93.9	L1	G3/4	G1/2	L1	G3/4	G1/2

2/1系列/Group 2/1

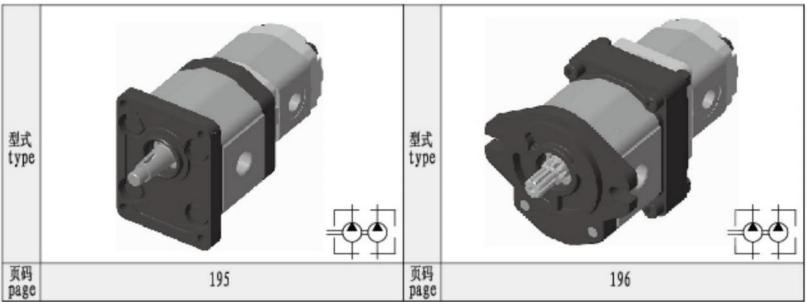
2/1系列选型规则/Group 2/1 Ordering Code Rules

P	H	P	2/1	B0	D	3/0.8	T0	L0/L3	Ec	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2/1 2系列 Group 2 + 1系列 Group 1	见2系列目录 Ref. Group 2 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 3 0.8 4 1.1 6 1.3 8 1.6 10 1.8 12 2.1 14 2.7 16 3.2 18 3.7 20 4.2 22 4.8 25 5.8 28 7.0 30 8.0	见2系列目录 Ref. Group 2 catalogue	PA 见2系列目录 Ref. Group 2 catalogue PB 见1系列目录 Ref. Group 1 catalogue	Ec 不通油型 Separated type Ef 不通油型 Separated type		特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options											
省略-温度范围在-10℃~+80℃，进油口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃,inlet pressure up to max. 3 bar absolute.											
V	适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.										
H	适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.										
N	适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.										
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

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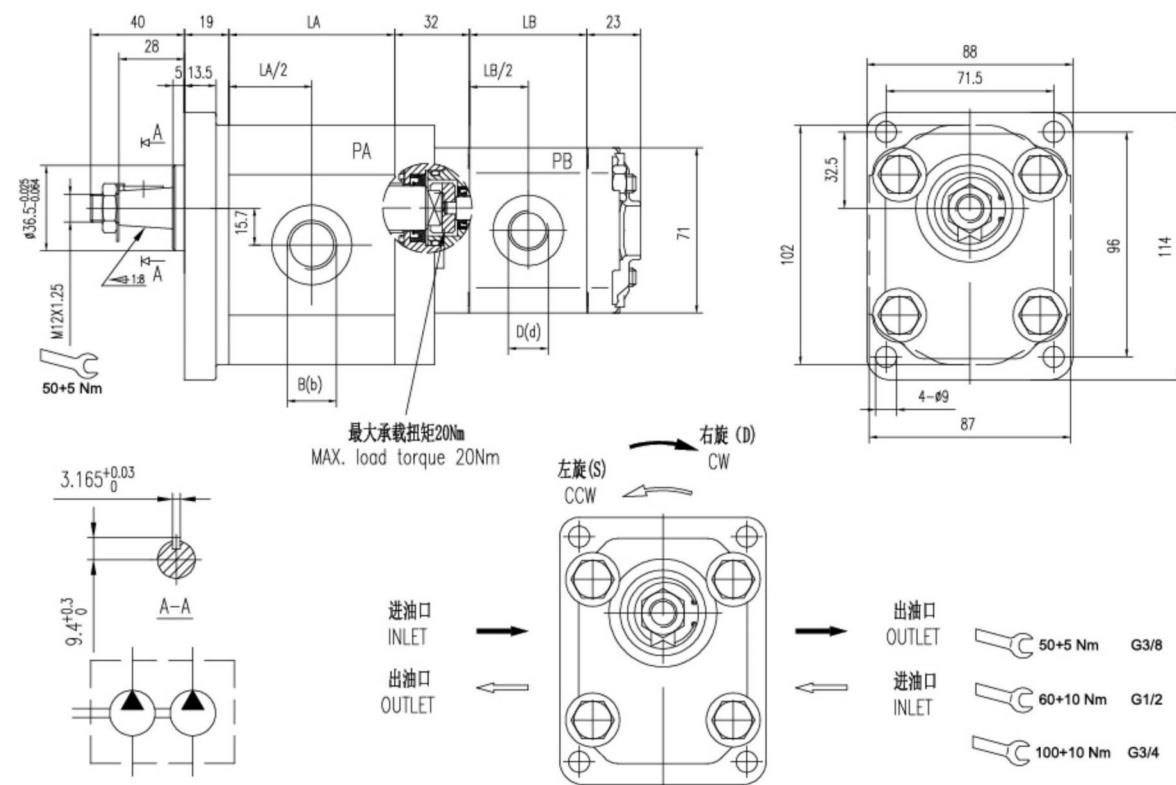
2/1系列标准型产品概览/Group 2/1 Standard Product Overview



2/1系列/Group 2/1

2/1系列标准型产品尺寸/Group 2/1 Standard Product Dimensions

PHP2/1-B0-D-3/0.8-T0-L0/L3-Ec

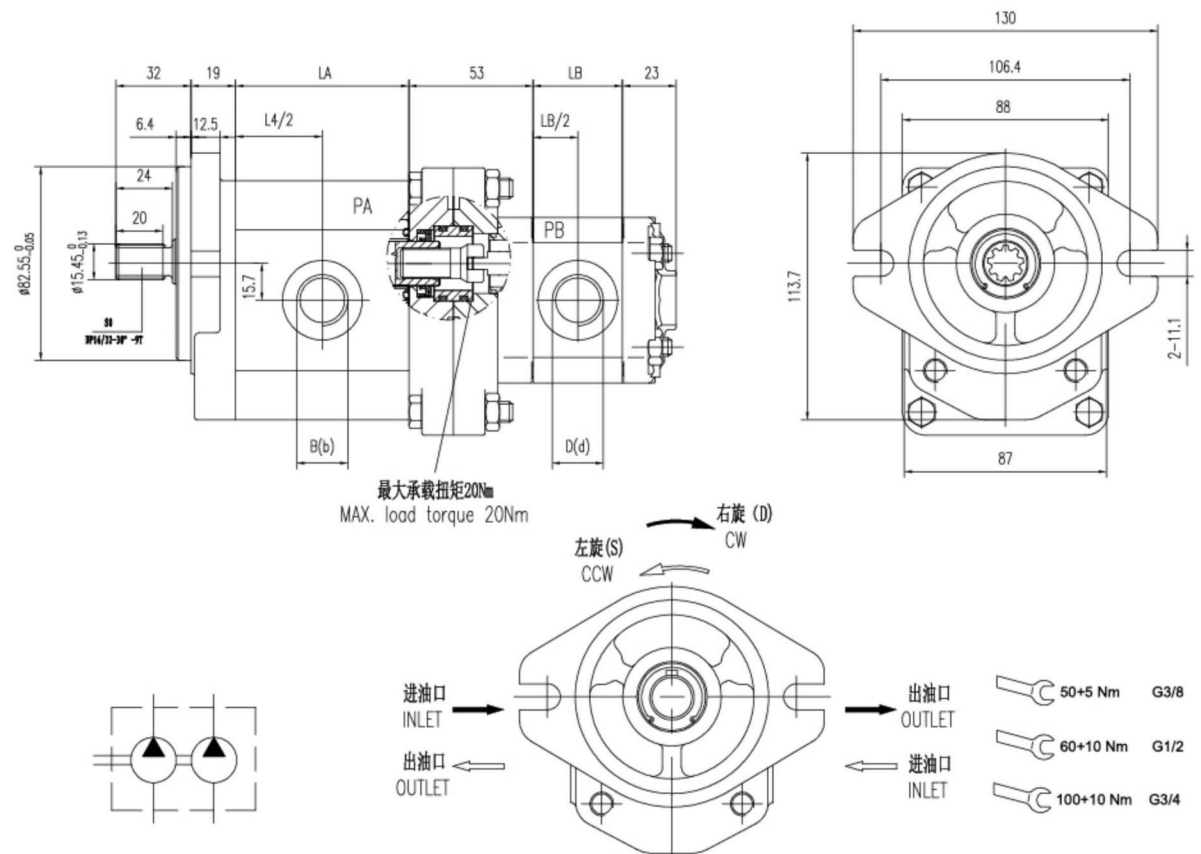


排量 Displacement		最大压力 Max. pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB			LA	LB	PA	B	b	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm						
3	0.8	285	270	2500	600	49.1	35.6	L0	G1/2	G1/2	L3	G3/8	G3/8
4	1.1	285	270			50.7	36.1	L0	G1/2	G1/2	L3	G3/8	G3/8
6	1.3	285	270			54	37.1	L0	G1/2	G1/2	L3	G3/8	G3/8
8	1.6	285	270			57.3	38.1	L1	G3/4	G1/2	L3	G3/8	G3/8
10	1.8	285	270			60.6	39.1	L1	G3/4	G1/2	L3	G3/8	G3/8
12	2.1	285	270			63.9	40.1	L1	G3/4	G1/2	L3	G3/8	G3/8
14	2.7	265	270			67.3	42.1	L1	G3/4	G1/2	L3	G3/8	G3/8
16	3.2	265	250			70.7	44.1	L1	G3/4	G1/2	L3	G3/8	G3/8
18	3.7	265	250			74	46.1	L1	G3/4	G1/2	L3	G3/8	G3/8
20	4.2	235	250			77.3	48.1	L1	G3/4	G1/2	L3	G3/8	G3/8
22	4.8	235	230			80.6	50.1	L1	G3/4	G1/2	L3	G3/8	G3/8
25	5.8	215	230			85.6	54.1	L1	G3/4	G1/2	L3	G3/8	G3/8
28	7.0	190	200			90.6	58.1	L1	G3/4	G1/2	L3	G3/8	G3/8
30	8.0	170	200			93.9	62.1	L1	G3/4	G1/2	L3	G3/8	G3/8

2/1系列/Group 2/1

2/1系列标准型产品尺寸/Group 2/1 Standard Product Dimensions

PHP2/1-A0-D-3/0.8-S0-L0/L3-Ef



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA	PB	PA	PB			LA	LB	PA	B	b	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm							
3	0.8	285	270	2500	600	49.1	35.6	L0	G1/2	G1/2	L3	G3/8	G3/8	
4	1.1	285	270			50.7	36.1	L0	G1/2	G1/2	L3	G3/8	G3/8	G3/8
6	1.3	285	270			54	37.1	L0	G1/2	G1/2	L3	G3/8	G3/8	G3/8
8	1.6	285	270			57.3	38.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
10	1.8	285	270			60.6	39.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
12	2.1	285	270			63.9	40.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
14	2.7	265	270			67.3	42.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
16	3.2	265	250			70.7	44.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
18	3.7	265	250			74	46.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
20	4.2	235	250			77.3	48.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
22	4.8	235	230			80.6	50.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
25	5.8	215	230			85.6	54.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
28	7.0	190	200			90.6	58.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8
30	8.0	170	200			93.9	62.1	L1	G3/4	G1/2	L3	G3/8	G3/8	G3/8

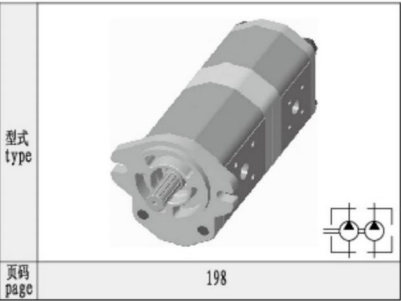
2.5/2.5系列/Group 2.5/2.5

2.5/2.5系列选型规则/Group 2.5/2.5 Ordering Code Rules

P	H	P	2.5/2.5	A1	D	10/10	C0	Z0/Z0	E	省略/omit	省略/omit
Prance	材质	功能	系列	前盖	旋向	排量	轴伸	泵体油口	特殊结构	可选项	其他
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.5系列 Group 2.5 + 2.5系列 Group 2.5	见2.5系列目录 Ref. Group 2.5 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 10 10 12.5 12.5 14 14 16 16 18 18 19 19 20 20 23 23 25 25 26.5 26.5 28 28 30 30 32 32 36 36 40 40	见2.5系列目录 Ref. Group 2.5 catalogue	见2.5系列目录 Ref. Group 2.5 catalogue	E 不通油型 Separated type		特殊设计 special designing
可选项 Options											
省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2.5/2.5系列标准型产品概览/Group 2.5/2.5 Standard Product Overview



型式
type

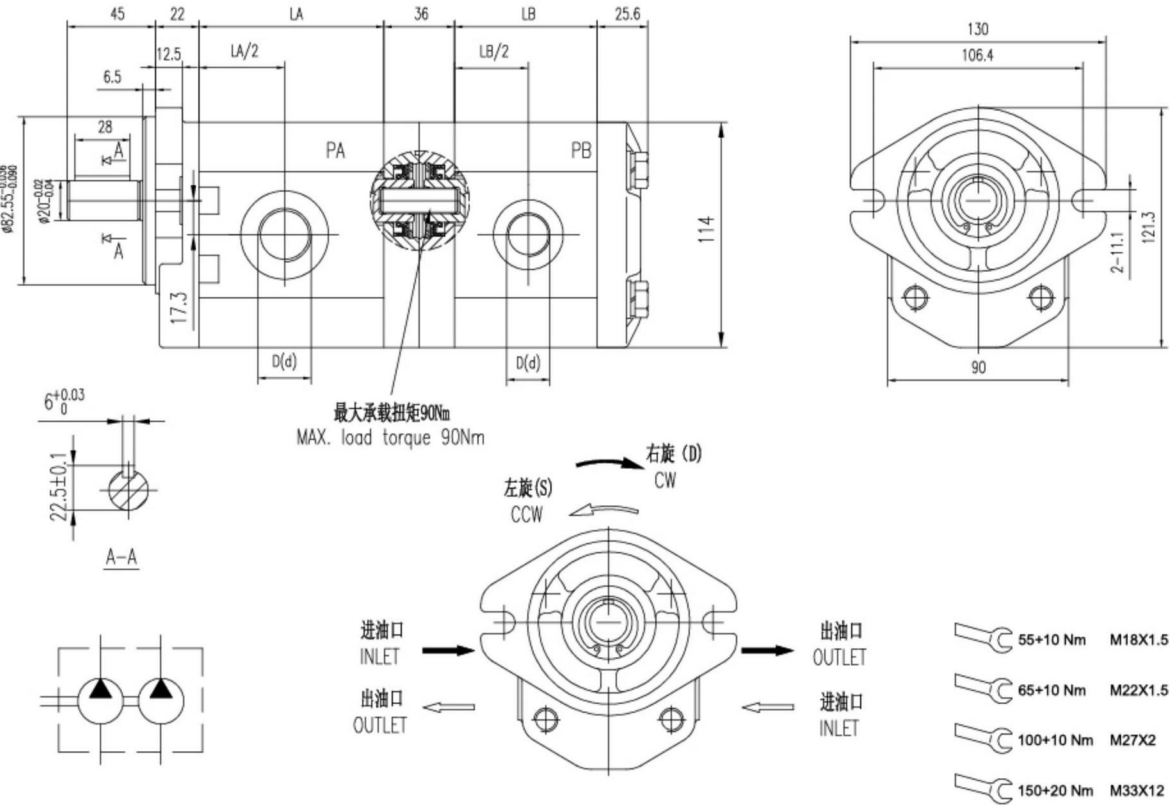
页码
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2.5/2.5系列/Group 2.5/2.5

2.5/2.5系列标准型产品尺寸/Group 2.5/2.5 Standard Product Dimensions

PHP2.5/2.5-A1-D-10/10-C0-Z0/Z0-E



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
10	10	250	250	2300	500	62.6	62.6	Z0	M22x1.5	M18x1.5	Z0	M22x1.5	M18x1.5
12.5	12.5	250	250			65.6	65.6	Z0	M22x1.5	M18x1.5	Z0	M22x1.5	M18x1.5
14	14	250	250			67.6	67.6	Z0	M22x1.5	M18x1.5	Z0	M22x1.5	M18x1.5
16	16	250	250			70.1	70.1	Z1	M27x2	M22x1.5	Z1	M27x2	M22x1.5
18	18	250	250			72.6	72.6	Z1	M27x2	M22x1.5	Z1	M27x2	M22x1.5
19	19	250	250			73.6	73.6	Z1	M27x2	M22x1.5	Z1	M27x2	M22x1.5
20	20	250	250			75.1	75.1	Z1	M27x2	M22x1.5	Z1	M27x2	M22x1.5
23	23	230	230			78.6	78.6	Z2	M33x2	M27x2	Z2	M33x2	M27x2
25	25	230	230			81.1	81.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
26.5	26.5	230	230			83.1	83.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
28	28	230	230			85.1	85.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
30	30	230	230			87.1	87.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
32	32	200	200			90.1	90.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
36	36	200	200			94.1	94.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
40	40	160	160			99.1	99.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2
45	45	160	160			105.1	105.1	Z2	M33x2	M27x2	Z2	M33x2	M27x2

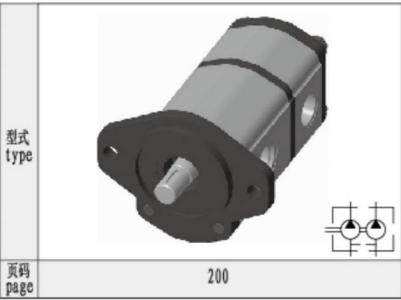
2.6/2.6系列/Group 2.6/2.6

2.6/2.6系列选型规则/Group 2.6/2.6 Ordering Code Rules

P	H	P	2.6/2.6	A2	D	6/6	S3	L0/L0	F	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.6系列 2.6 Group 2.6 + 2.6系列 Group 2.6	见2.6系列目录 Ref. Group 2.6 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 6 6 8 8 10 10 12 12 14 14 16 16 19 19 22 22 25 25 28 28 30 30 32 32 36 36 38 38 40 40	见2.6系列目录 Ref. Group 2.6 catalogue	见2.6系列目录 Ref. Group 2.6 catalogue	F 通油型 Common type		特殊设计 special designing
可选项 Options											
省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3-10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

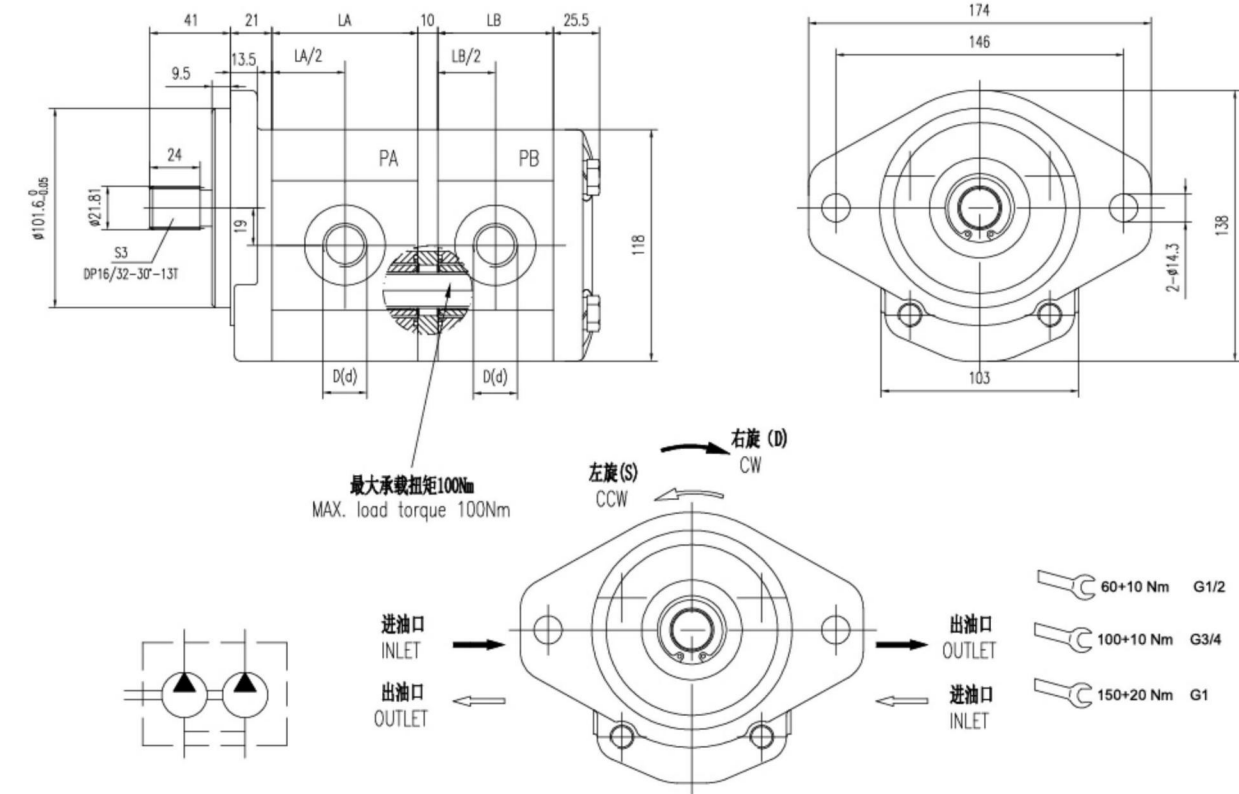
2.6/2.6系列标准型产品概览/Group 2.6/2.6 Standard Product Overview



2.6/2.6系列/Group 2.6/2.6

2.6/2.6系列标准型产品尺寸/Group 2.6/2.6 Standard Product Dimensions

PHP2.6/2.6-A2-D-6/6-S3-L0/L0-F



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
6	6	250	250	2300	500	56.6	56.6	L0	G3/4	G1/2	L0	G3/4	G1/2
8	8	250	250			58.6	58.6	L0	G3/4	G1/2	L0	G3/4	G1/2
10	10	250	250			60.6	60.6	L0	G3/4	G1/2	L0	G3/4	G1/2
12	12	250	250			63.1	63.1	L0	G3/4	G1/2	L0	G3/4	G1/2
14	14	250	250			64.6	64.6	L0	G3/4	G1/2	L0	G3/4	G1/2
16	16	250	250			67.1	67.1	L0	G3/4	G1/2	L0	G3/4	G1/2
19	19	250	250			70.6	70.6	L0	G3/4	G1/2	L0	G3/4	G1/2
22	22	250	250			74.1	74.1	L0	G3/4	G1/2	L0	G3/4	G1/2
25	25	250	250			76.6	76.6	L1	G1	G3/4	L1	G1	G3/4
28	28	250	250			79.6	79.6	L1	G1	G3/4	L1	G1	G3/4
30	30	230	230			82.1	82.1	L1	G1	G3/4	L1	G1	G3/4
32	32	230	230			84.6	84.6	L1	G1	G3/4	L1	G1	G3/4
36	36	200	200			88.6	88.6	L1	G1	G3/4	L1	G1	G3/4
38	38	200	200			90.6	90.6	L1	G1	G3/4	L1	G1	G3/4
40	40	170	170			92.6	92.6	L1	G1	G3/4	L1	G1	G3/4
44	44	170	170			97.1	97.1	L1	G1	G3/4	L1	G1	G3/4

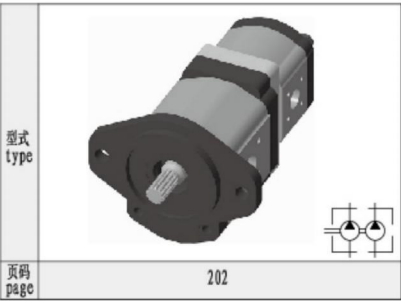
2.6/2系列/Group 2.6/2

2.6/2系列选型规则/Group 2.6/2 Ordering Code Rules

P	H	P	2.6/2	A2	D	6/6	S3	L0/L0	E	省略/omit	省略/omit
Prance	材质	功能	系列	前盖	旋向	排量	轴伸	泵体油口	特殊结构	可选项	其他
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2.6系列 2.6 Group 2.6 / 2	见2.6系列目录 Ref. Group 2.6 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 6 3 8 4 10 6 12 8 14 10 16 12 19 14 22 16 25 18 28 20 30 22 32 25 36 28 38 30 40	见2.6系列目录 Ref. Group 2.6 catalogue	PA 见2.6系列目录 Ref. Group 2.6 catalogue PB 见2系列目录 Ref. Group 2 catalogue	E 不通油型 Separated type		特殊设计 special designing
可选项 Options											
省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

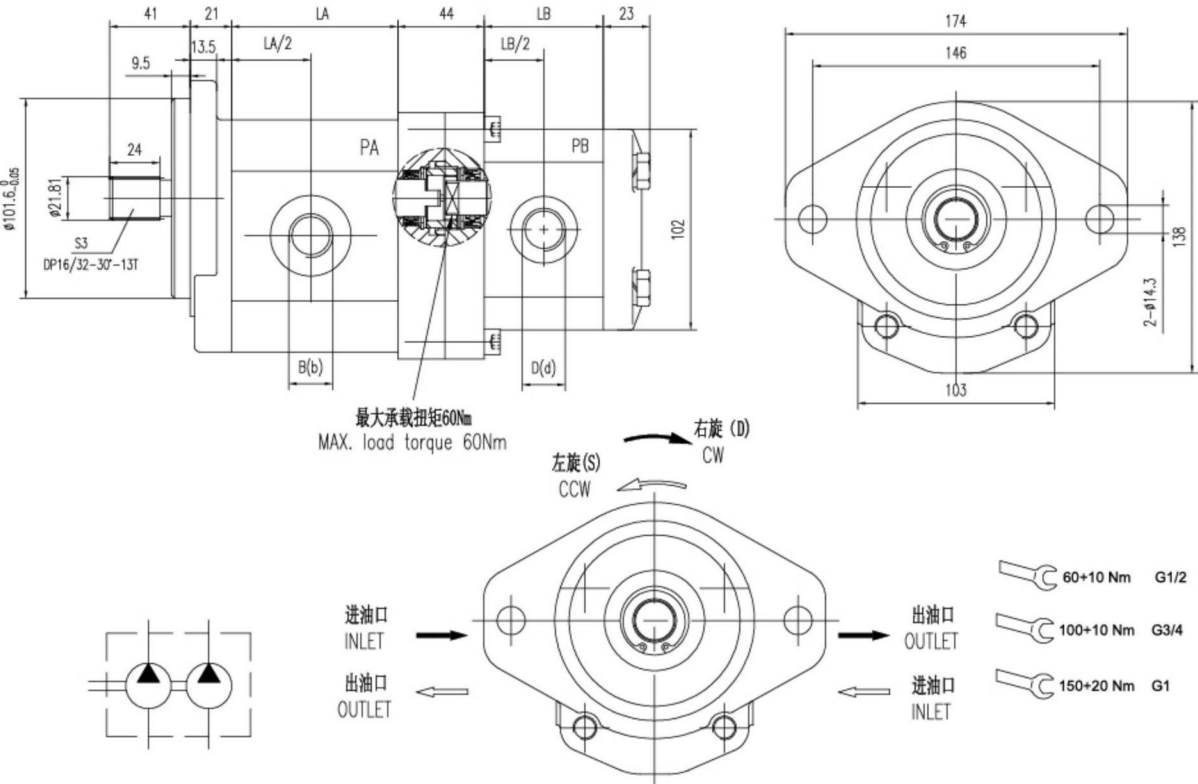
2.6/2系列标准型产品概览/Group 2.6/2 Standard Product Overview



2.6/2系列/Group 2.6/2

2.6/2系列标准型产品尺寸/Group 2.6/2 Standard Product Dimensions

PHP2.6/2-A2-D-6/3-S3-L0/L0-E



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	B	b	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
6	3	250	285	2300	500	56.6	49.1	L0	G3/4	G1/2	L0	G1/2	G1/2
8	4	250	285			58.6	50.7	L0	G3/4	G1/2	L0	G1/2	G1/2
10	6	250	285			60.6	54	L0	G3/4	G1/2	L0	G1/2	G1/2
12	8	250	285			63.1	57.3	L0	G3/4	G1/2	L1	G3/4	G1/2
14	10	250	285			64.6	60.6	L0	G3/4	G1/2	L1	G3/4	G1/2
16	12	250	285			67.1	63.9	L0	G3/4	G1/2	L1	G3/4	G1/2
19	14	250	265			70.6	67.3	L0	G3/4	G1/2	L1	G3/4	G1/2
22	16	250	265			74.1	70.7	L0	G3/4	G1/2	L1	G3/4	G1/2
25	18	250	265			76.6	74	L1	G1	G3/4	L1	G3/4	G1/2
28	20	250	235			79.6	77.3	L1	G1	G3/4	L1	G3/4	G1/2
30	22	230	235			82.1	80.6	L1	G1	G3/4	L1	G3/4	G1/2
32	25	230	215			84.6	85.6	L1	G1	G3/4	L1	G3/4	G1/2
36	28	200	190			88.6	90.6	L1	G1	G3/4	L1	G3/4	G1/2
38	30	200	170			90.6	93.9	L1	G1	G3/4	L1	G3/4	G1/2
40		170				92.6		L1	G1	G3/4			
44		170				97.1		L1	G1	G3/4			

3/3系列/Group 3/3

3/3系列选型规则/Group 3/3 Ordering Code Rules

P	H	P	3/3	B1	D	20/20	T0	L0/L0	E	省略/omit	省略/omit
Prance	材质	功能	系列	前盖	旋向	排量	轴伸	泵体油口	特殊结构	可选项	其他
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	3系列 Group 3 + 3系列 Group 3	见3系列目录 Ref. Group 3 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 20 20 22 22 26 26 33 33 39 39 46 46 50 50 52 52 55 55 63 63 71 71	见3系列目录 Ref. Group 3 catalogue	见3系列目录 Ref. Group 3 catalogue	通油型 Common type 不通油型 Separated type		特殊设计 special designing
H	前、后盖材料为铸钢，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options 省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为30bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质, 温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质, 温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

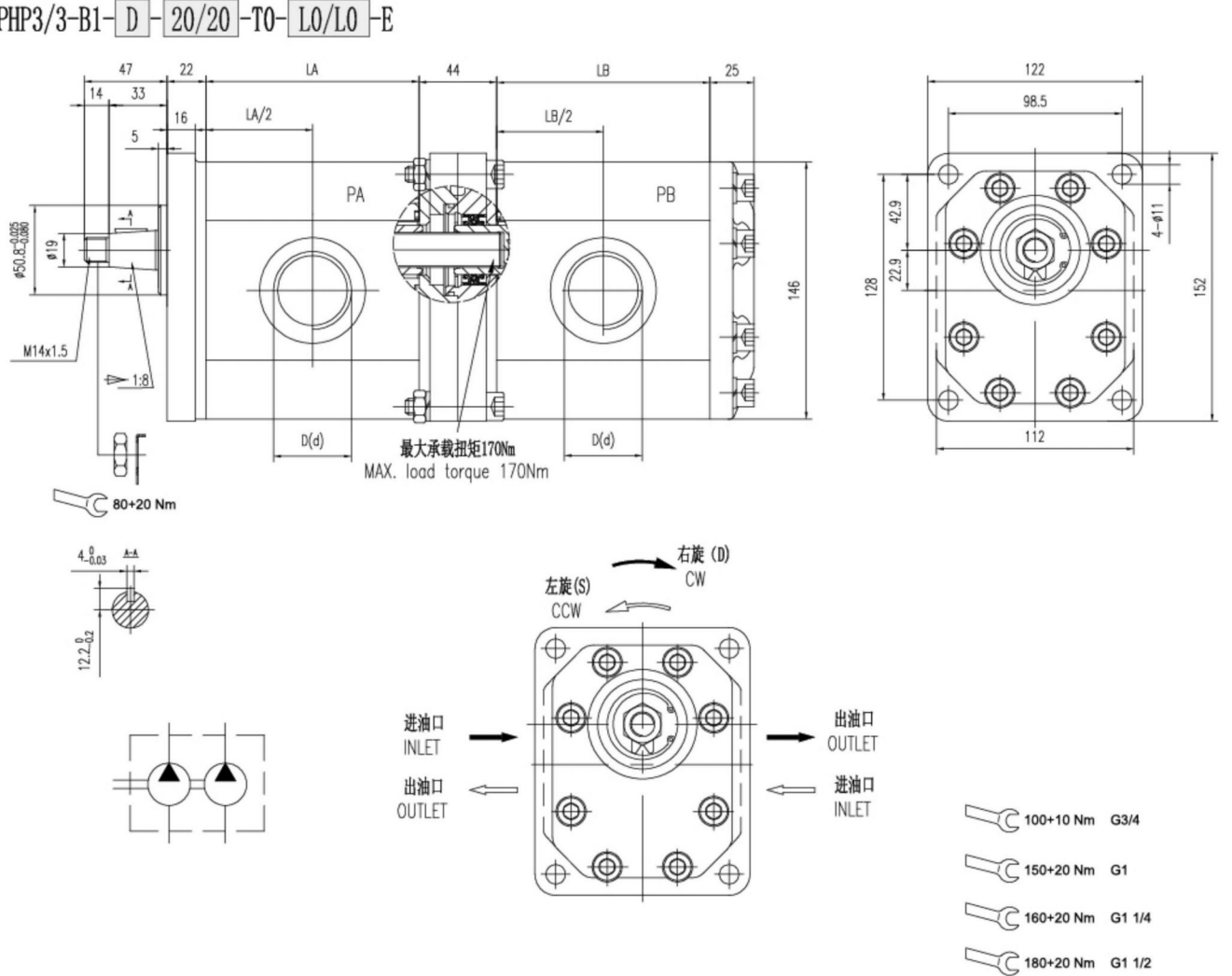
如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

3/3系列标准型产品概览/Group 3/3 Standard Product Overview

型式		型式	
type		type	
页码	204	页码	205
page		page	

3/3系列/Group 3/3

3/3系列标准型产品尺寸/Group 3/3 Standard Product Dimensions

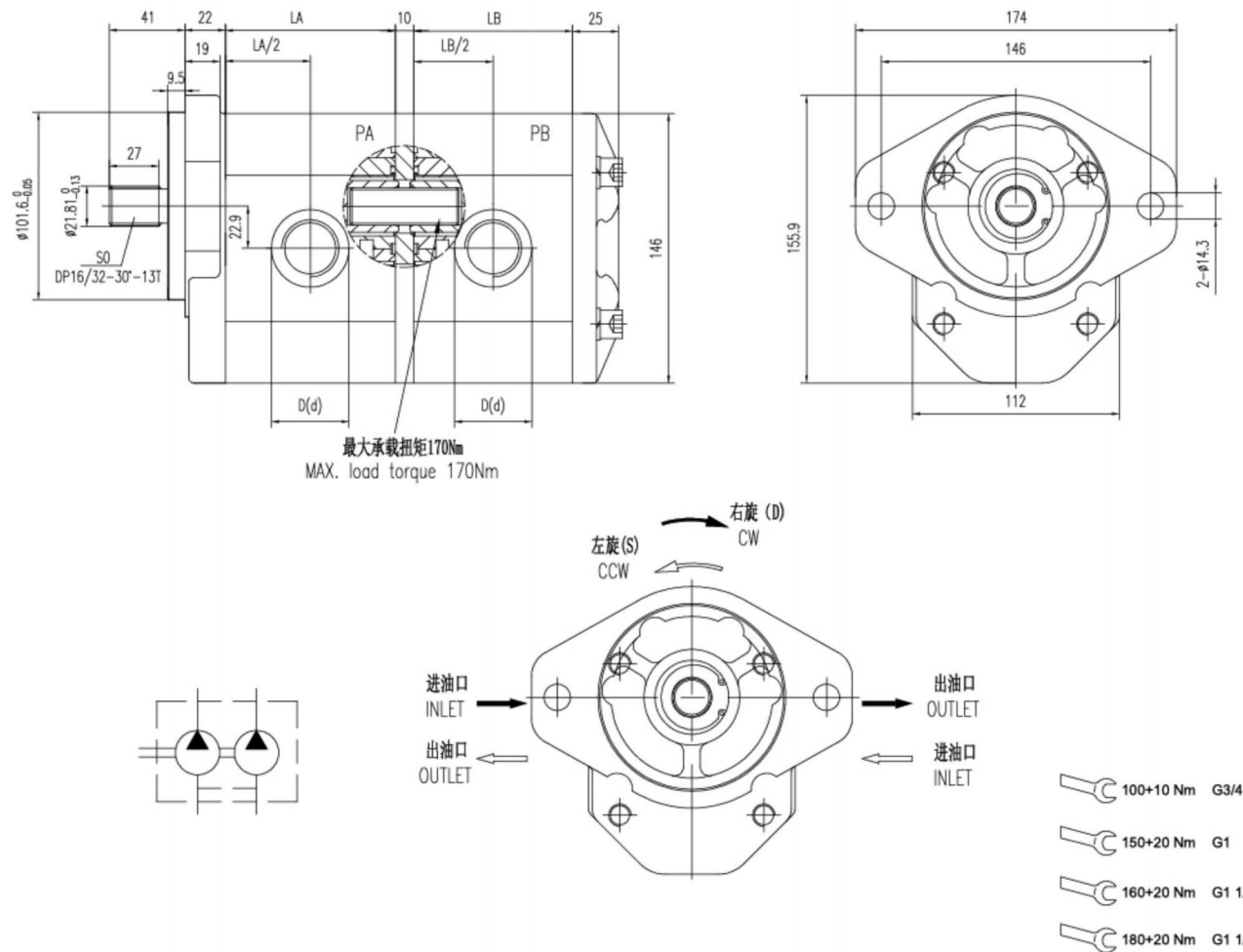


排量		最大压力		最高转速	最低转速	尺寸		油口代码	进油口	出油口	油口代码	进油口	出油口
Displacement		Max pressure		Max. speed	Min. speed	Dimensions		Oil port code	In Let	Out Let	Oil port code	INLET	OUTLET
PA	PB	PA	PB			LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm						
20	20	250	250	2500	600	81.1	81.1	L0	G3/4	G3/4	L0	G3/4	G3/4
22	22	250	250			83.1	83.1	L0	G3/4	G3/4	L0	G3/4	G3/4
26	26	250	250			86.1	86.1	L1	G1	G3/4	L1	G1	G3/4
33	33	230	230			92.1	92.1	L1	G1	G3/4	L1	G1	G3/4
39	39	230	230			99.1	99.1	L1	G1	G3/4	L1	G1	G3/4
46	46	230	230			105.1	105.1	L2	G1 1/4	G1	L2	G1 1/4	G1
50	50	220	220			109.1	109.1	L2	G1 1/4	G1	L2	G1 1/4	G1
52	52	220	220			111.1	111.1	L2	G1 1/4	G1	L2	G1 1/4	G1
55	55	200	200			113.1	113.1	L2	G1 1/4	G1	L2	G1 1/4	G1
63	63	200	200			121.1	121.1	L2	G1 1/4	G1	L2	G1 1/4	G1
71	71	180	180			128.1	128.1	L3	G1 1/2	G1 1/4	L3	G1 1/2	G1 1/4

3/3系列/Group 3/3

3/3系列标准型产品尺寸/Group 3/3 Standard Product Dimensions

PHP3/3-A0-D-20/20-S0-L0/L0-F



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm						
20	20	250	250	2500	600	81.1	81.1	L0	G3/4	G3/4	L0	G3/4	G3/4
22	22	250	250			83.1	83.1	L0	G3/4	G3/4	L0	G3/4	G3/4
26	26	250	250			86.1	86.1	L1	G1	G3/4	L1	G1	G3/4
33	33	230	230			92.1	92.1	L1	G1	G3/4	L1	G1	G3/4
39	39	230	230			99.1	99.1	L1	G1	G3/4	L1	G1	G3/4
46	46	230	230			105.1	105.1	L2	G1 1/4	G1	L2	G1 1/4	G1
50	50	220	220			109.1	109.1	L2	G1 1/4	G1	L2	G1 1/4	G1
52	52	220	220			111.1	111.1	L2	G1 1/4	G1	L2	G1 1/4	G1
55	55	200	200			113.1	113.1	L2	G1 1/4	G1	L2	G1 1/4	G1
63	63	200	200			121.1	121.1	L2	G1 1/4	G1	L2	G1 1/4	G1
71	71	180	180			128.1	128.1	L3	G1 1/2	G1 1/4	L3	G1 1/2	G1 1/4

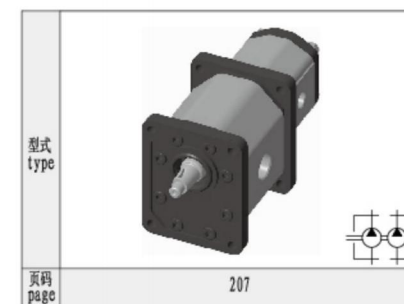
3/2系列/Group 3/2

3/2系列选型规则/Group 3/2 Ordering Code Rules

P	H	P	3/2	B1	D	20/3	T0	L0/L0	E	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	泵 Pump	3系列 Group 3 + 2系列 Group 2	见3系列目录 Ref. Group 3 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	PA PB 20 3 22 4 26 6 33 8 39 10 46 12 50 14 52 16 55 18 20 71 22 25 28 30	见3系列目录 Ref. Group 3 catalogue	PA 见3系列目录 Ref. Group 3 catalogue PB 见2系列目录 Ref. Group 2 catalogue	E 不通油型 Separated type		特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options 省略-温度范围在-10℃~+80℃，进油口最高绝对压力为30bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute. V 适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃. H 适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃. N 适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute. 如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
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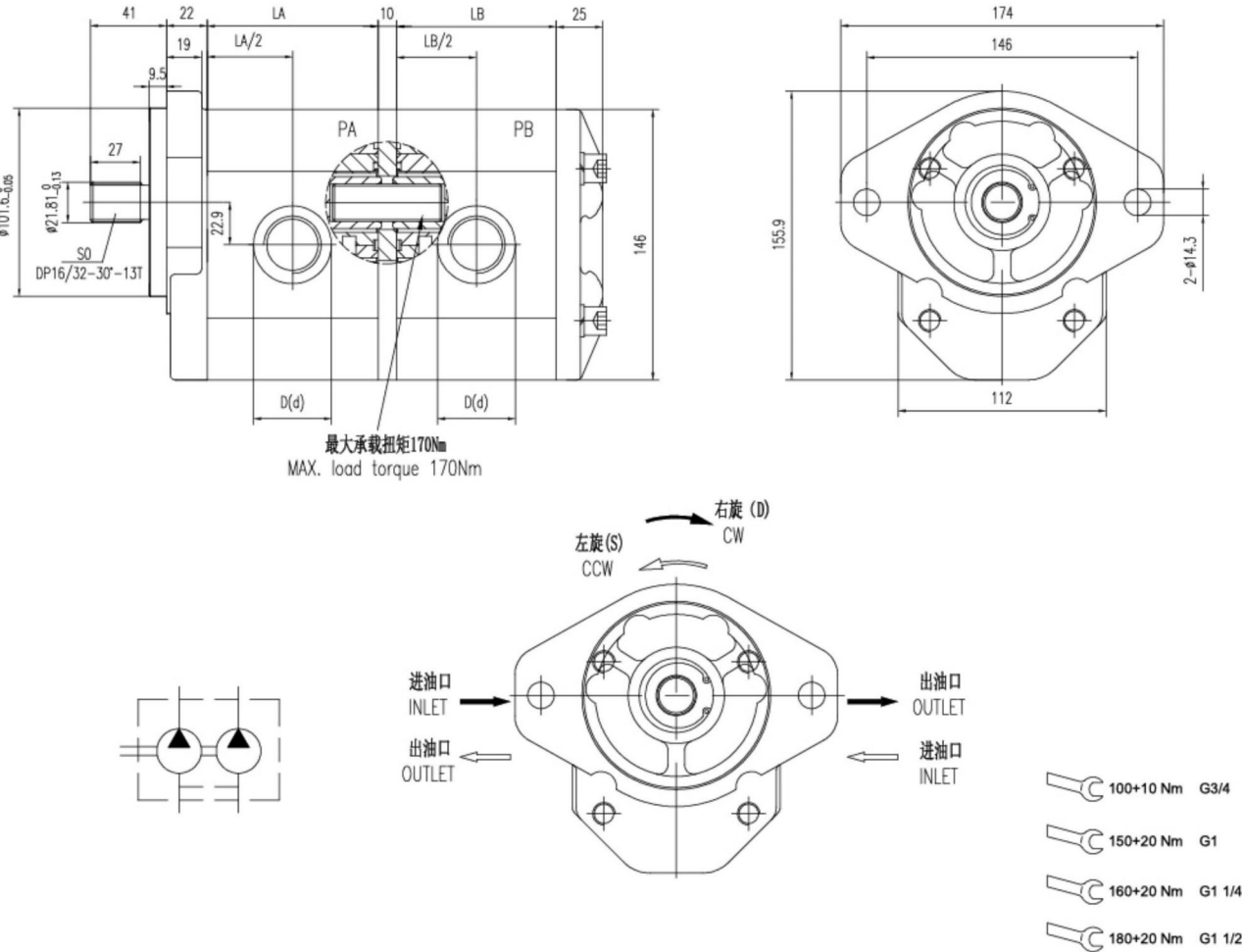
3/2系列标准型产品概览/Group 3/2 Standard Product Overview



3/3系列/Group 3/3

3/3系列标准型产品尺寸/Group 3/3 Standard Product Dimensions

PHP3/3-A0-D-20/20-S0-L0/L0-F



排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET
PA	PB	PA	PB			LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm						
20	20	250	250	2500	600	81.1	81.1	L0	G3/4	G3/4	L0	G3/4	G3/4
22	22	250	250			83.1	83.1	L0	G3/4	G3/4	L0	G3/4	G3/4
26	26	250	250			86.1	86.1	L1	G1	G3/4	L1	G1	G3/4
33	33	230	230			92.1	92.1	L1	G1	G3/4	L1	G1	G3/4
39	39	230	230			99.1	99.1	L1	G1	G3/4	L1	G1	G3/4
46	46	230	230			105.1	105.1	L2	G1 1/4	G1	L2	G1 1/4	G1
50	50	220	220			109.1	109.1	L2	G1 1/4	G1	L2	G1 1/4	G1
52	52	220	220			111.1	111.1	L2	G1 1/4	G1	L2	G1 1/4	G1
55	55	200	200			113.1	113.1	L2	G1 1/4	G1	L2	G1 1/4	G1
63	63	200	200			121.1	121.1	L2	G1 1/4	G1	L2	G1 1/4	G1
71	71	180	180			128.1	128.1	L3	G1 1/2	G1 1/4	L3	G1 1/2	G1 1/4

3/2系列/Group 3/2

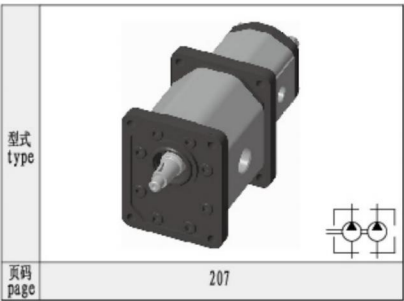
3/2系列选型规则/Group 3/2 Ordering Code Rules

P	H	P	3/2	B1	D	20/3	T0	L0/L0	E	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	泵 Pump	3系列 Group 3 + 2系列 Group 2	见3系列目录 Ref. Group 3 catalogue	D 顺时针转 Clockwise S 逆时针转 Counter clockwise	PA PB 20 3 22 4 26 6 33 8 39 10 46 12 50 14 52 16 55 18 20 71 22 25 28 30	见3系列目录 Ref. Group 3 catalogue	PA 见3系列目录 Ref. Group 3 catalogue PB 见2系列目录 Ref. Group 2 catalogue	E 不通油型 Separated type		特殊设计 special designing
H	前、后盖材料为铸钢，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options											
省略-温度范围在-10℃~+80℃，进油口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃,inlet pressure up to max. 3 bar absolute.											
V	适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.										
H	适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.										
N	适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.										
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

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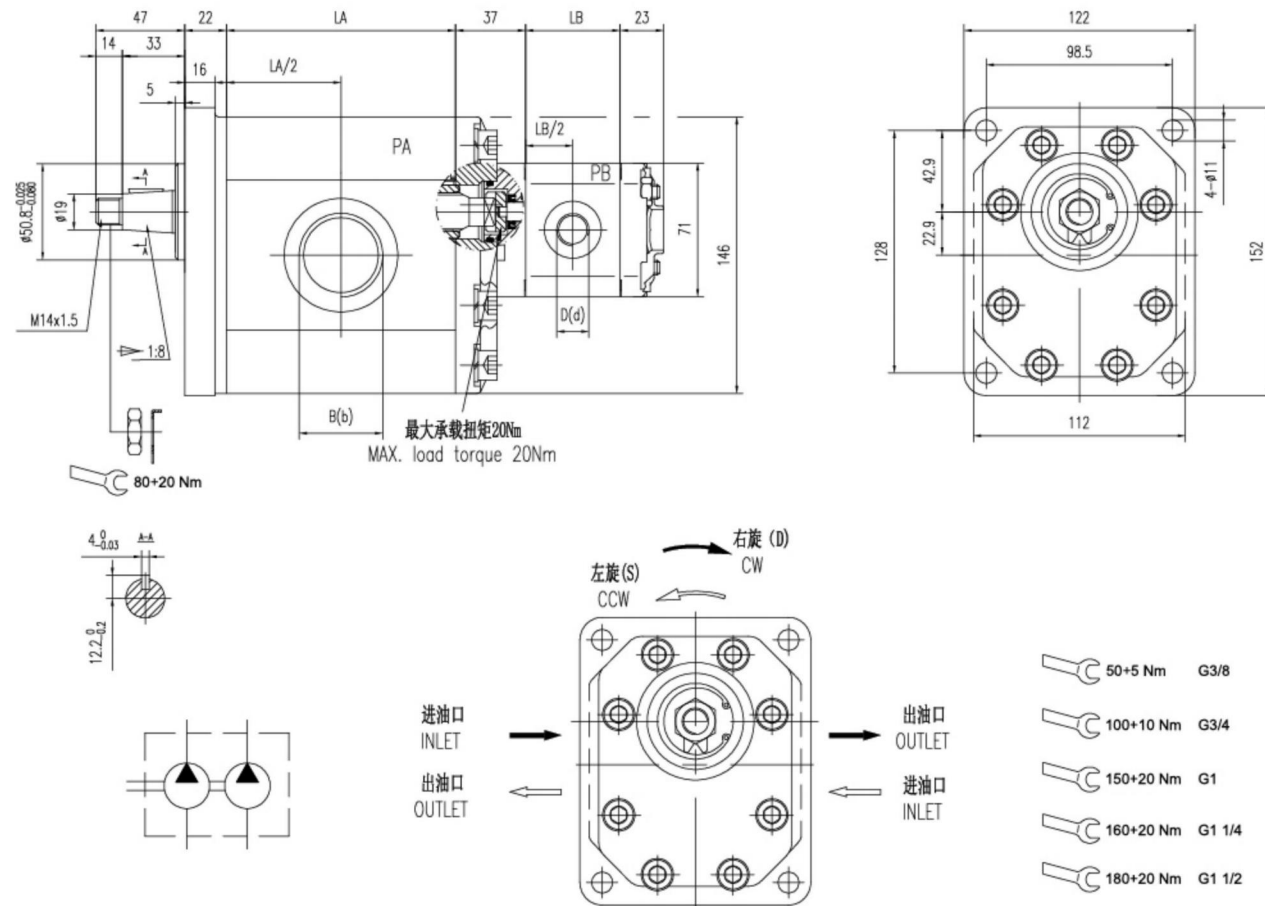
3/2系列标准型产品概览/Group 3/2 Standard Product Overview



3/1系列/Group 3/1

3/1系列标准型产品尺寸/Group 3/1 Standard Product Dimensions

PHP3/1-B1-D-20/0.8-T0-L0/L0-E



Displacement		最大压力		Max. speed	最低转速	尺寸		油口代码	进油口	出油口	油口代码	进油口	出油口
PA	PB	PA	PB			LA	LB		In Let	Out Let		INLET	OUTLET
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm	PA	B	b	PB	D	d
20	0.8	250	230	2500	600	81.1	35.6	L0	G3/4	G3/4	L3	G3/8	G3/8
22	1.1	250	230			83.1	36.1	L0	G3/4	G3/4	L3	G3/8	G3/8
26	1.3	250	230			86.1	37.1	L1	G1	G3/4	L3	G3/8	G3/8
33	1.6	230	230			92.1	38.1	L1	G1	G3/4	L3	G3/8	G3/8
39	1.8	230	230			99.1	39.1	L1	G1	G3/4	L3	G3/8	G3/8
46	2.1	230	230			105.1	40.1	L2	G1 1/4	G1	L3	G3/8	G3/8
50	2.7	220	230			109.1	42.1	L2	G1 1/4	G1	L3	G3/8	G3/8
52	3.2	220	210			111.1	44.1	L2	G1 1/4	G1	L3	G3/8	G3/8
55	3.7	200	210			113.1	46.1	L2	G1 1/4	G1	L3	G3/8	G3/8
63	4.2	200	210			121.1	48.1	L2	G1 1/4	G1	L3	G3/8	G3/8
71	4.8	180	190			128.1	50.1	L3	G1 1/2	G1 1/4	L3	G3/8	G3/8
	5.8		190				54.1				L3	G3/8	G3/8
	7.0		160				58.1				L3	G3/8	G3/8
	8.0		160				62.1				L3	G3/8	G3/8

1.25系列同步马达/Group 1.25 Flow divider

1.25系列同步马达选型规则/Group 1.25 Flow divider Ordering Code Rules

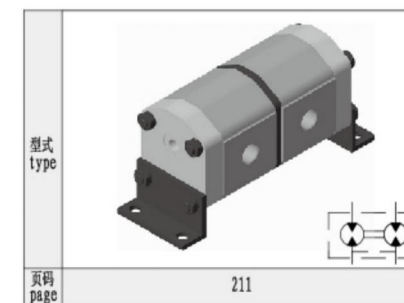
P	A	F	1.25	省略/omit	R (省略/omit)	1.4	P2	L0/L0	省略/omit	省略/omit	
Prance	材质 Material	功能 Function	系列 Group	右端盖 Front cover	旋向 Rotation	排量 Displacement	联数 number	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	同步马达 Flow divider	1.25	1.25系列 Group 1.25	R	可正反转 Reversible	PA/PB...	多联数目 Section number	见1.25系列目录 Ref. Group 1.25 catalogue		
							1.4				
							2.1				
							2.8				
							3.5				
							4.1				
							5.2				
							6.2				
							7.6				
							9.3				
11.0											
13.8											
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options											
	省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.										
V	适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.										
H	适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.										
N	适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.										
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

如需其它型号请见详情页或联系本公司工程师

If you need other models, please see the details page or contact our engineers.

如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

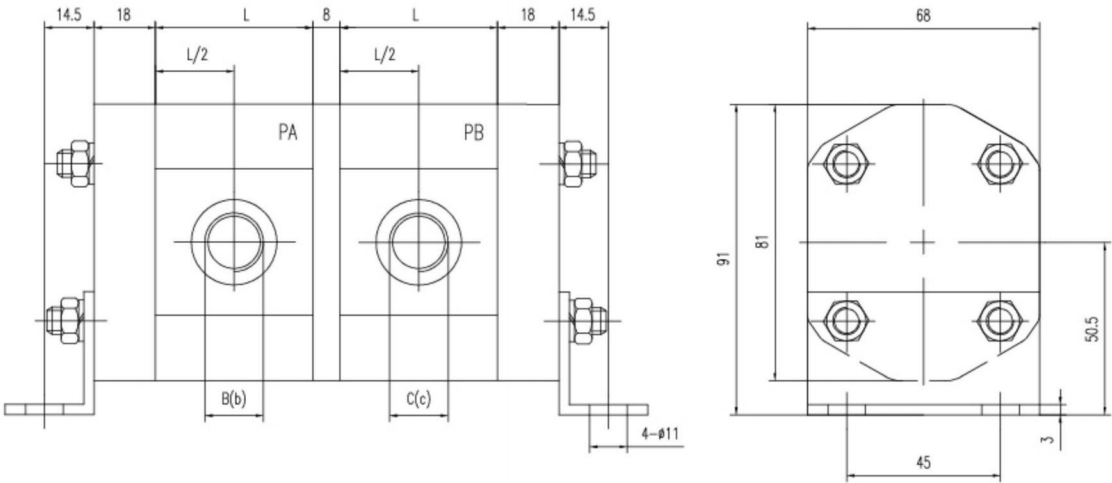
1.25系列同步马达标准型产品概览/Group 1.25 Flow divider Standard Product Overview



1.25系列同步马达/Group 1.25 Flow divider

1.25系列同步马达标准型产品尺寸/Group 1.25 Flow divider Standard Product Dimensions

PHF1.25- P2 - 1.4 - L1/L1



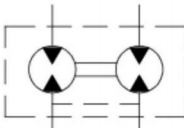
2系列同步马达/Group 2 Flow divider

2系列同步马达选型规则/Group 2 Flow divider Ordering Code Rules

P	A	F	2	省略/omit	R (省略/omit)	3	P2	L0/L0	省略/omit	省略/omit	省略/omit
Prance	材质 Material	功能 Function	系列 Group	右端盖 Front cover	旋向 Rotation	排量 Displacement	联数 number	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	同步马达 Flow divider	2系列 Group 2		R 可正反转 Reversible	PA/PB... 3 4 6 8 10 12 14 16 18 20 22 25 28 30	多联数目 Section number	见2系列目录 Ref. Group 2 catalogue			特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
可选项 Options											
省略-温度范围在-10℃~+80℃，进油口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃; inlet pressure up to max. 3 bar absolute.											
V	适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.										
H	适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.										
N	适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.										
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

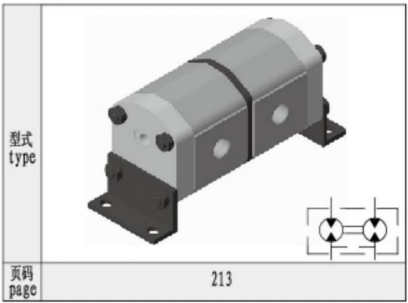
如需其它型号请见详情页或联系本公司工程师
If you need other models, please see the details page or contact our engineers.

2系列同步马达标准型产品概览/Group 2 Flow divider Standard Product Overview



60+10 Nm G1/2

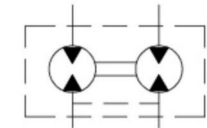
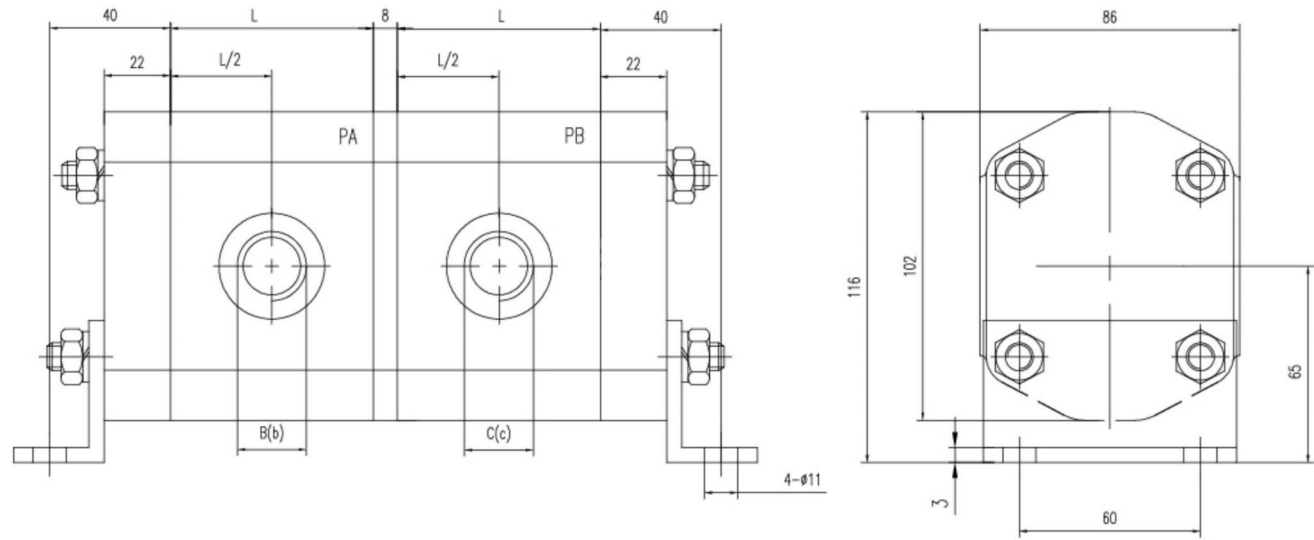
排量 Displacement PA/PB...	最大压力 Max pressure Pmax	最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions L	油口代码 Oil port code PA	进油口 In Let B	出油口 Out Let b	油口代码 Oil port code PB	进油口 INLET C	出油口 OUTLET c
(cm ³ /rev)	bar	(r/min)	(r/min)	mm						
1.4	230	2500	600	44.1	L1	G1/2	G1/2	L1	G1/2	G1/2
2.1	230			46.1	L1	G1/2	G1/2	L1	G1/2	G1/2
2.8	230			48.1	L1	G1/2	G1/2	L1	G1/2	G1/2
3.5	210			50.1	L1	G1/2	G1/2	L1	G1/2	G1/2
4.1	210			52.1	L1	G1/2	G1/2	L1	G1/2	G1/2
5.2	200			55.1	L1	G1/2	G1/2	L1	G1/2	G1/2
6.2	200			58.1	L1	G1/2	G1/2	L1	G1/2	G1/2
7.6	180			62.1	L1	G1/2	G1/2	L1	G1/2	G1/2
9.3	170			67.1	L1	G1/2	G1/2	L1	G1/2	G1/2
11.0	170			72.1	L1	G1/2	G1/2	L1	G1/2	G1/2
13.8	150			80.1	L1	G1/2	G1/2	L1	G1/2	G1/2



2系列同步马达/Group 2 Flow divider

2系列同步马达标准型产品尺寸/Group 2 Flow divider Standard Product Dimensions

PAF2- P2 - 3 - L0/L0



60+10 Nm G1/2
100+10 Nm G3/4

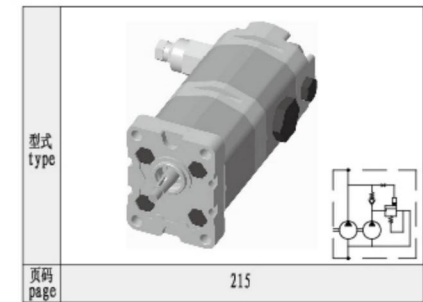
排量 Displacement PA/PB...	最大压力 Max pressure Pmax	最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions L	油口代码 Oil port code PA	进油口 In Let B	出油口 Out Let b	油口代码 Oil port code PB	进油口 INLET C	出油口 OUTLET c
(cm³/rev)	bar	(r/min)	(r/min)	mm	PA	B	b	PB	C	c
3	250	2500	600	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2
4	250			50.7	L0	G1/2	G1/2	L0	G1/2	G1/2
6	250			54	L0	G1/2	G1/2	L0	G1/2	G1/2
8	230			57.3	L4	G3/4	G3/4	L4	G3/4	G3/4
10	230			60.6	L4	G3/4	G3/4	L4	G3/4	G3/4
12	230			63.9	L4	G3/4	G3/4	L4	G3/4	G3/4
14	230			67.3	L4	G3/4	G3/4	L4	G3/4	G3/4
16	210			70.7	L4	G3/4	G3/4	L4	G3/4	G3/4
18	210			74	L4	G3/4	G3/4	L4	G3/4	G3/4
20	200			77.3	L4	G3/4	G3/4	L4	G3/4	G3/4
22	200			80.6	L4	G3/4	G3/4	L4	G3/4	G3/4
25	190			85.6	L4	G3/4	G3/4	L4	G3/4	G3/4
28	170			90.6	L4	G3/4	G3/4	L4	G3/4	G3/4
30	150			93.9	L4	G3/4	G3/4	L4	G3/4	G3/4

1G/1G高低压泵/1G/1G High-Low Pump

1G/1G高低压泵选型规则/1G/1G High-Low Pump Ordering Code Rules

P	K	P	1G/1G	B0	D	0.8/3.7	T0	L2	省略/omit	省略/omit	P040
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
K	前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	1G 1G系列 Group 1G	见1系列目录 Ref. Group 1 catalogue	D 顺时针转 Clockwise S 逆时针转 Counter clockwise	0.8/3.7 1.1/3.7 1.6/3.7 1.8/4.2 2.1/4.2 2.1/4.8 2.7/4.8 2.7/5.8 3.2/5.8 2.1/7.0 2.7/7.0 3.2/7.0 2.7/8.0 3.2/8.0	见1系列目录 Ref. Group 1 catalogue	见1系列目录 Ref. Group 1 catalogue			溢流压力40bar 40bar
可选项 Options											
省略-温度范围在-10℃~+80℃,进油口最高绝对压力为3bar. Omit-Range between -10℃ and +80℃,inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃. Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃. Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3-10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

1G/1G高低压泵标准型产品概览/1G/1G High-Low Pump Standard Product Overview

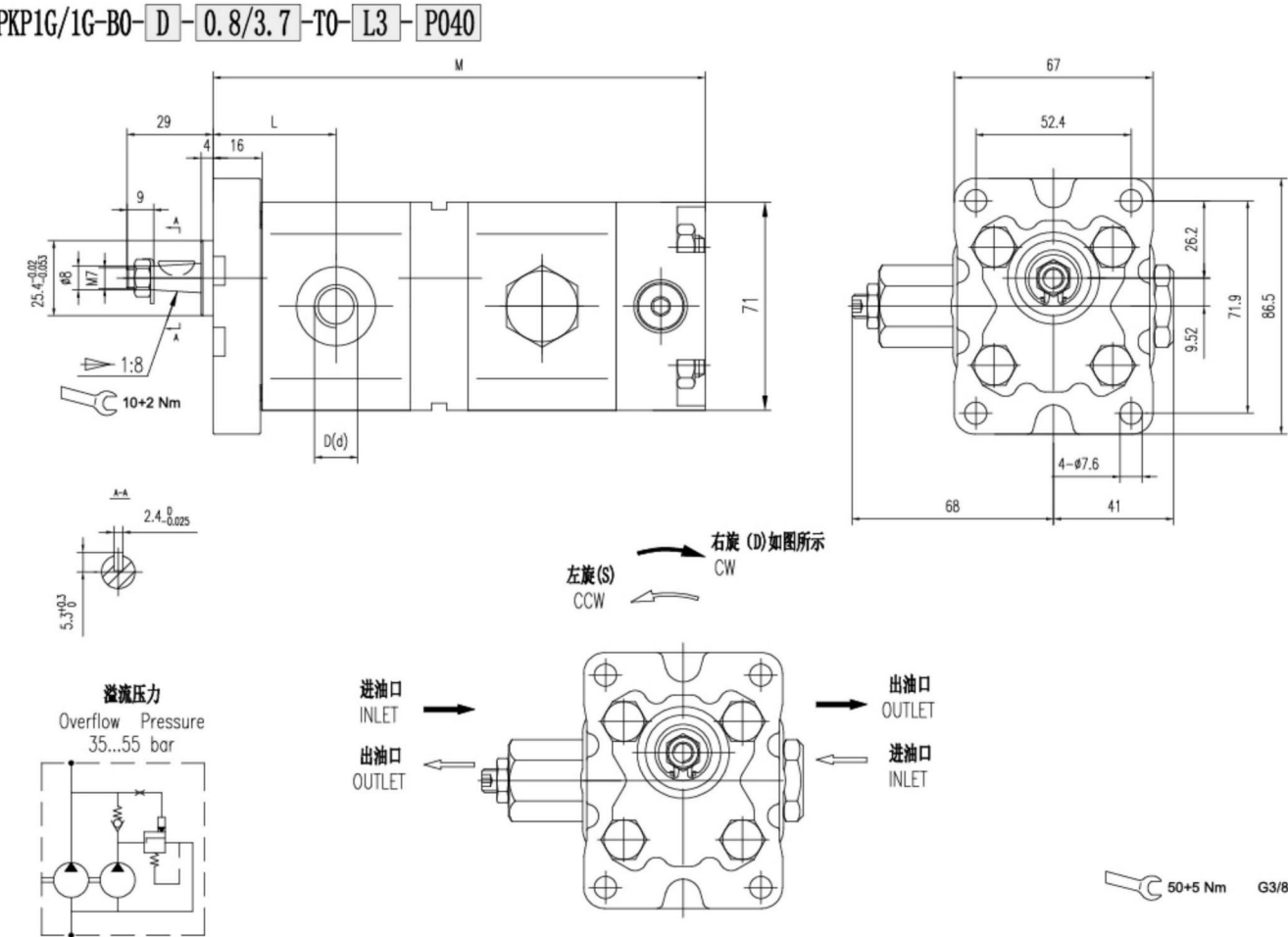


1G/1G高低压泵排量参数表/1G/1G High-Low Pump Displacement Parameter Table

排量 Displacement	V	cm³/rev	0.8	1.1	1.6	1.8	2.1	2.1	2.7	2.7	3.2	2.1	2.7	3.2	2.7	3.2
排量 Displacement	V	cm³/rev	3.7	3.7	3.7	4.2	4.2	4.8	4.8	5.8	5.8	7.0	7.0	7.0	8.0	8.0
溢流压力 Overflow pressure	P	bar	35...55													
最高连续压力 Max. continuous pressure	P1		210													
最高间隙压力 Max. intermittent pressure	P2		230													
最高峰值压力 Max. peak pressure	P3		250													
最低转速 Min. speed	n _{Min}	r/min	1000													
最高转速 Max. speed	n _{Max}		3500													
容积效率 Volumetric efficiency	η _v	%	≥93													

1G/1G高低压泵/1G/1G High-Low Pump

1G/1G高低压泵标准型产品尺寸/1G/1G High-Low Pump Standard Product Dimensions



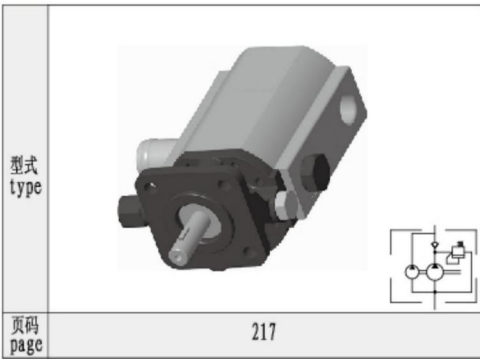
排量 Displacement		最大压力 Max pressure			溢流压力 Overflow pressure	最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
High		P1	P2	P3	P	(r/min)	(r/min)	L	M		D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	bar	bar			mm	mm			
0.8	3.7	210	230	250	35...55	3500	1000	33.8	146.7	L3	G3/8	G3/8
1.1	3.7	210	230	250		3500	1000	34	147.2	L3	G3/8	G3/8
1.6	3.7	210	230	250		3500	1000	35	149.2	L3	G3/8	G3/8
1.8	4.2	210	230	250		3500	1000	35.5	152.2	L3	G3/8	G3/8
2.1	4.2	210	230	250		3500	1000	36	153.2	L3	G3/8	G3/8
2.1	4.8	210	230	250		3500	1000	36	155.2	L3	G3/8	G3/8
2.7	4.8	210	230	250		3500	1000	37	157.2	L3	G3/8	G3/8
2.7	5.8	210	230	250		3500	1000	37	161.2	L3	G3/8	G3/8
3.2	5.8	210	230	250		3500	1000	38	163.2	L3	G3/8	G3/8
2.1	7.0	210	230	250		3500	1000	36	163.2	L3	G3/8	G3/8
2.7	7.0	210	230	250		3500	1000	37	165.2	L3	G3/8	G3/8
3.2	7.0	210	230	250		3500	1000	38	167.2	L3	G3/8	G3/8
2.7	8.0	210	230	250		3500	1000	37	169.2	L3	G3/8	G3/8
3.2	8.0	210	230	250		3500	1000	38	171.2	L3	G3/8	G3/8

1.3G/1.3G高低压泵/1.3G/1.3G High-Low Pump

1.3G/1.3G高低压泵选型规则/1.3G/1.3G High-Low Pump Ordering Code Rules

P	H	P	1.3G/1.3G	Q0	D	2.1/1.0	C0	PJ0/RC1	YF3	省略/omit	P040
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
H	前盖 材料为铸铁 Front cover material cast iron	P 泵 Pump	1.3G 1.3G系列 Group 1.3G		D 顺时针 Clockwise S 逆时针 Counter clockwise	2.1/1.0 4.2/1.0 4.2/1.6 6.3/2.1 6.3/3.0 6.3/3.6 8.8/1.6 8.8/2.1 8.8/3.6 10.9/2.1 10.9/3.6 10.9/4.2 13/3.2 13/4.2	见1.3系列目录 Ref. Group 1.3 catalogue	见1.3系列目录 Ref. Group 1.3 catalogue			溢流压力40bar 40bar
可选项 Options											
省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为3bar。 Omit-Range between -10℃ and +80℃, inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10℃ and +120℃.											
H 适用于低温介质, 温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40℃ and +80℃.											
N 适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.											
如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.											

1.3G/1.3G高低压泵标准型产品概览/1.3G/1.3G High-Low Pump Standard Product Overview



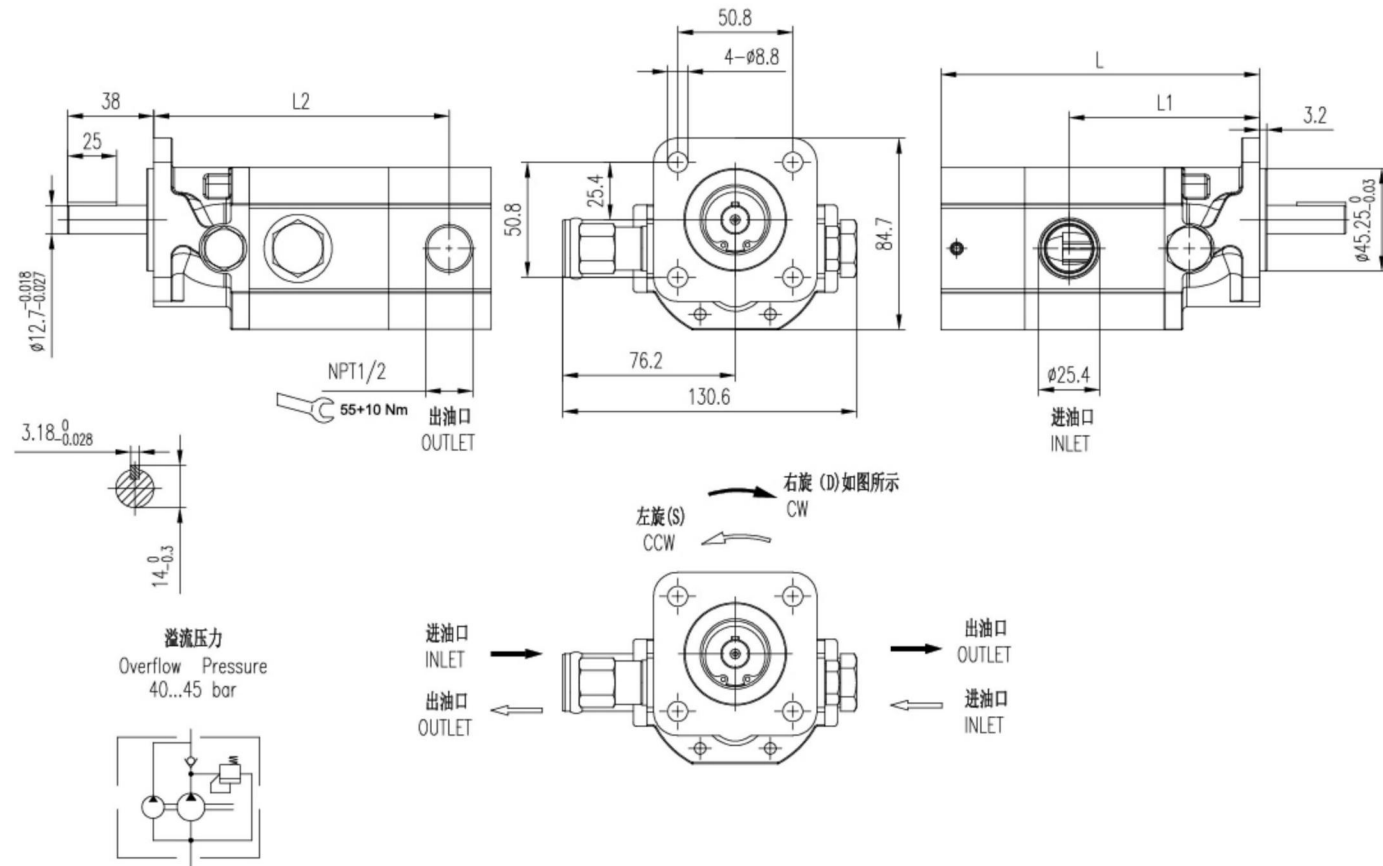
1.3G/1.3G高低压泵排量参数表/1.3G/1.3G High-Low Pump Displacement Parameter Table

低压排量 Low pressure Displacement	V	cm ³ /rev	2.1	4.2	4.2	6.3	6.3	6.3	8.8	8.8	8.8	10.9	10.9	10.9	13	13
高压排量 High pressure Displacement	V	cm ³ /rev	1.0	1.0	1.6	2.1	3.0	3.6	1.6	2.1	3.6	2.1	3.6	4.2	3.2	4.2
溢流压力 Overflow pressure	P	bar	40...45													
最高连续压力 Max. continuous pressure	P1		210													
最高间歇压力 Max. intermittent pressure	P2		230													
最高峰值压力 Max. peak pressure	P3		250													
最低转速 Min. speed	n _{min}	r/min	500													
最高转速 Max. speed	n _{max}		3600													
容积效率 Volumetric efficiency	η _v	%	≥93													

1.3G/1.3G高低压泵/1.3G/1.3G High-Low Pump

1.3G/1.3G高低压泵标准型产品尺寸/1.3G/1.3G High-Low Pump Standard Product Dimensions

PHP1.3G/1.3G-Q0-D-2.1/1.0-C0-PJ0/NC2-P040

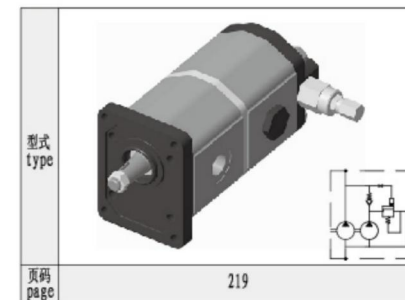


排量 Displacement		最大压力 Max pressure			溢流压力 Overflow pressure P	最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code		进油口 INLET	出油口 OUTLET
Low	High	P1	P2	P3					L	L1	L2	D	d	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm			mm	
2.1	1.0	210	230	250	40...45	3600	500	1.45	157.8	64.2	100.2	PJ0	NC2	φ25.4	NPT1/2
4.2	1.0	210	230	250		3600	500	1.6	157.8	64.2	100.2	PJ0	NC2	φ25.4	NPT1/2
4.2	1.6	210	230	250		3600	500	1.68	159.8	64.2	102.2	PJ0	NC2	φ25.4	PT1/2
6.3	2.1	210	230	250		3600	500	1.9	154.2	61.2	95.2	PJ0	NC2	φ25.4	NPT1/2
6.3	3.0	210	230	250		3600	500	1.98	157.8	61.2	95.2	PJ0	NC2	φ25.4	NPT1/2
6.3	3.6	210	230	250		3600	500	2	159.5	61.2	99.2	PJ0	NC2	φ25.4	NPT1/2
8.8	1.6	210	230	250		3600	500	2.1	162	69.6	103.6	PJ0	NC2	φ25.4	NPT1/2
8.8	2.1	210	230	250		3600	500	2.15	162.7	69.6	103.6	PJ0	NC2	φ25.4	NPT1/2
8.8	3.6	210	230	250		3600	500	2.25	167.9	69.6	107.6	PJ0	NC2	φ25.4	NPT1/2
10.9	2.1	210	230	250		3600	500	2.4	170.2	77.1	111.1	PJ0	NC2	φ25.4	NPT1/2
10.9	3.6	210	230	250		3600	500	2.5	175.4	77.1	115.1	PJ0	NC2	φ25.4	NPT1/2
10.9	4.2	210	230	250		3600	500	2.55	177.7	77.1	115.1	PJ0	NC2	φ25.4	NPT1/2
13	3.2	210	230	250		3600	500	2.98	180.7	84.1	122.1	PJ0	NC2	φ25.4	NPT1/2
13	4.2	210	230	250	3600	500	3.04	184.7	84.1	122.1	PJ0	NC2	φ25.4	NPT1/2	

2G/2G高低压泵选型规则/2G/2G High-Low Pump Ordering Code Rules

P	H	P	2G/2G	B0	D	3/18	T0	L1	省略/omit	省略/omit	P040
Prance	材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other
A	前、后盖材料为铝合金 Front and end cover material aluminum	P 泵 Pump	2G 2G系列 Group 2G	见2系列目录 Ref. Group 2 catalogue	D 顺时针 Clockwise S 逆时针 Counter clockwise	3/16 3/18 4/18 4/20 6/20 6/22 8/20 8/22 10/22 10/25 12/25 12/28 14/28 14/30	见2系列目录 Ref. Group 2 catalogue	见2系列目录 Ref. Group 2 catalogue			溢流压力40bar 40bar
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										
									可选项 Options		
									V	省略-温度范围在-10℃~+80℃，进油口最高绝对压力为0bar。 Omit-Range between -10°C and +80°C,inlet pressure up to max. 3 bar absolute.	
									H	适用于高温介质，温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10°C and +120°C.	
									N	适用于低温介质，温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40°C and +80°C.	
									适用于进油口最大绝对压力3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.		
									如需其它特殊选项请联系本公司工程师 For other special options, please contact our engineers.		

2G/2G高度压泵标准型产品概览/2G/2G High-Low Pump Standard Product Overview



2G/2G高低压泵排量参数表/2G/2G High-Low Pump Displacement Parameter Table

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PHP2G/2G-B0-D-3/18-T0-L1-P040

