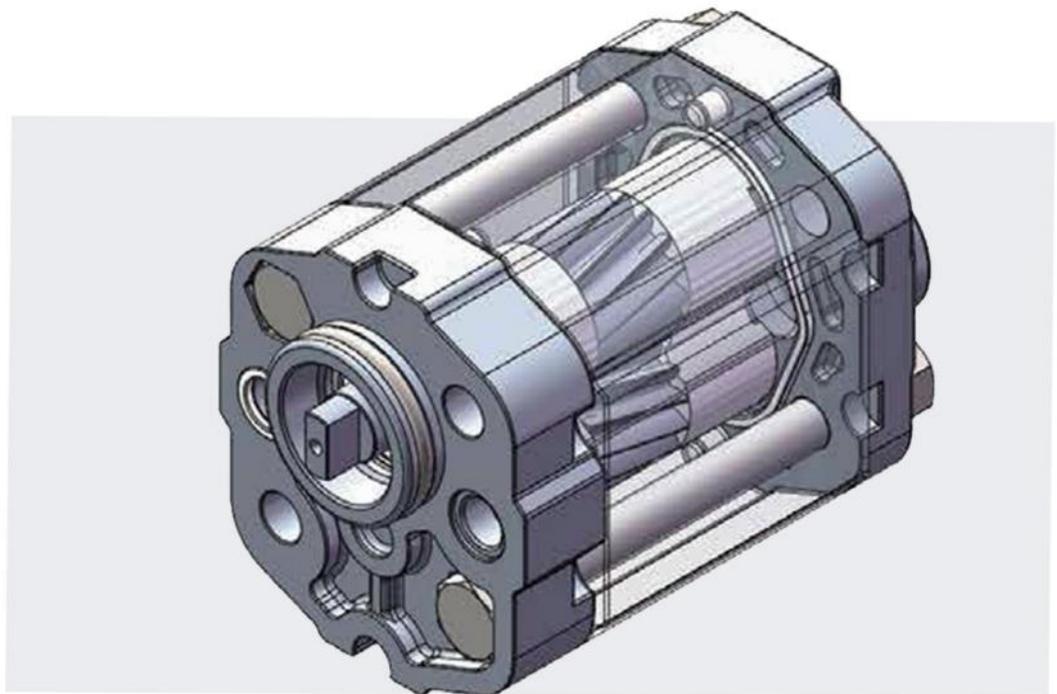
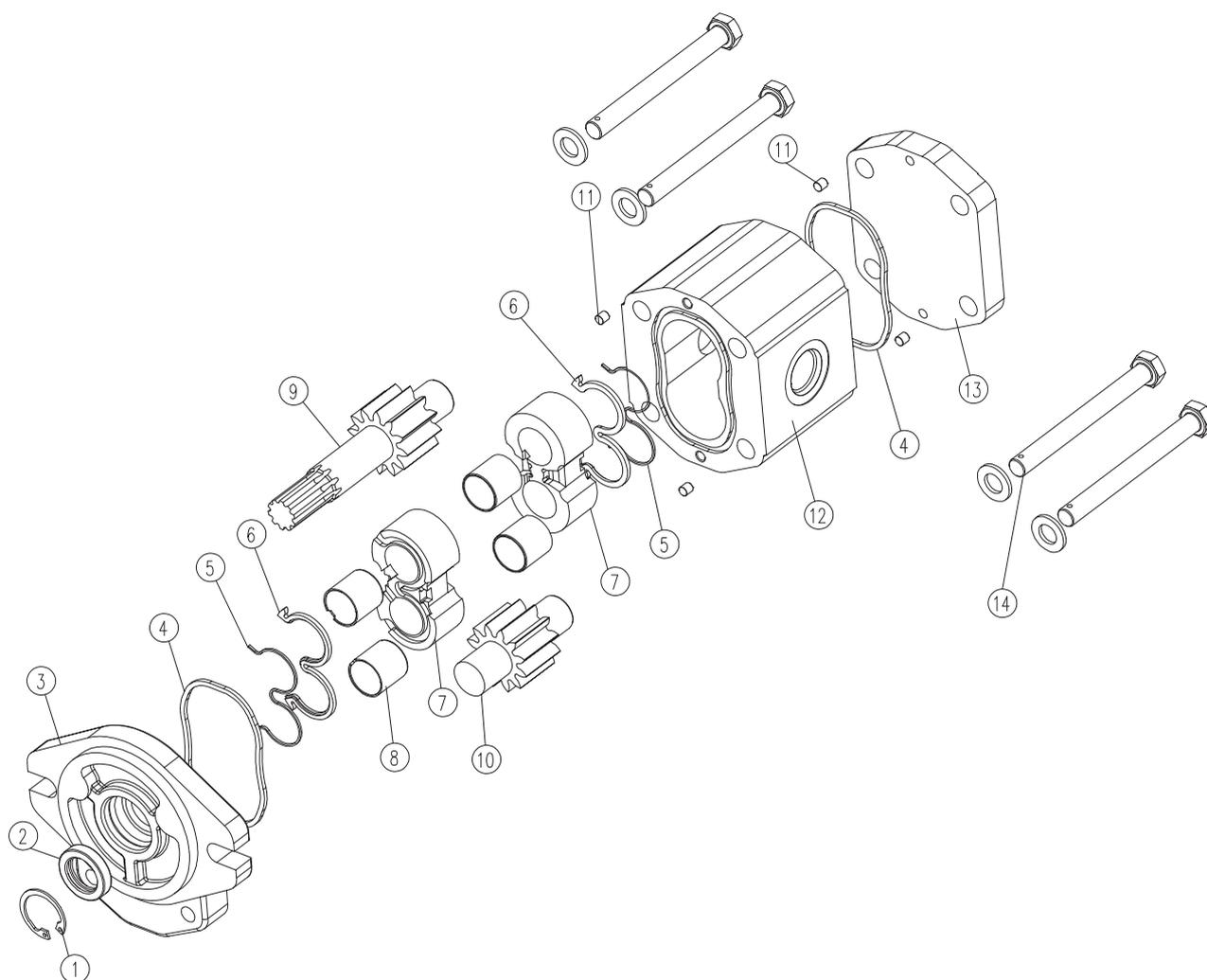


Aluminum Gear Pumps

Flow Dividers





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. 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

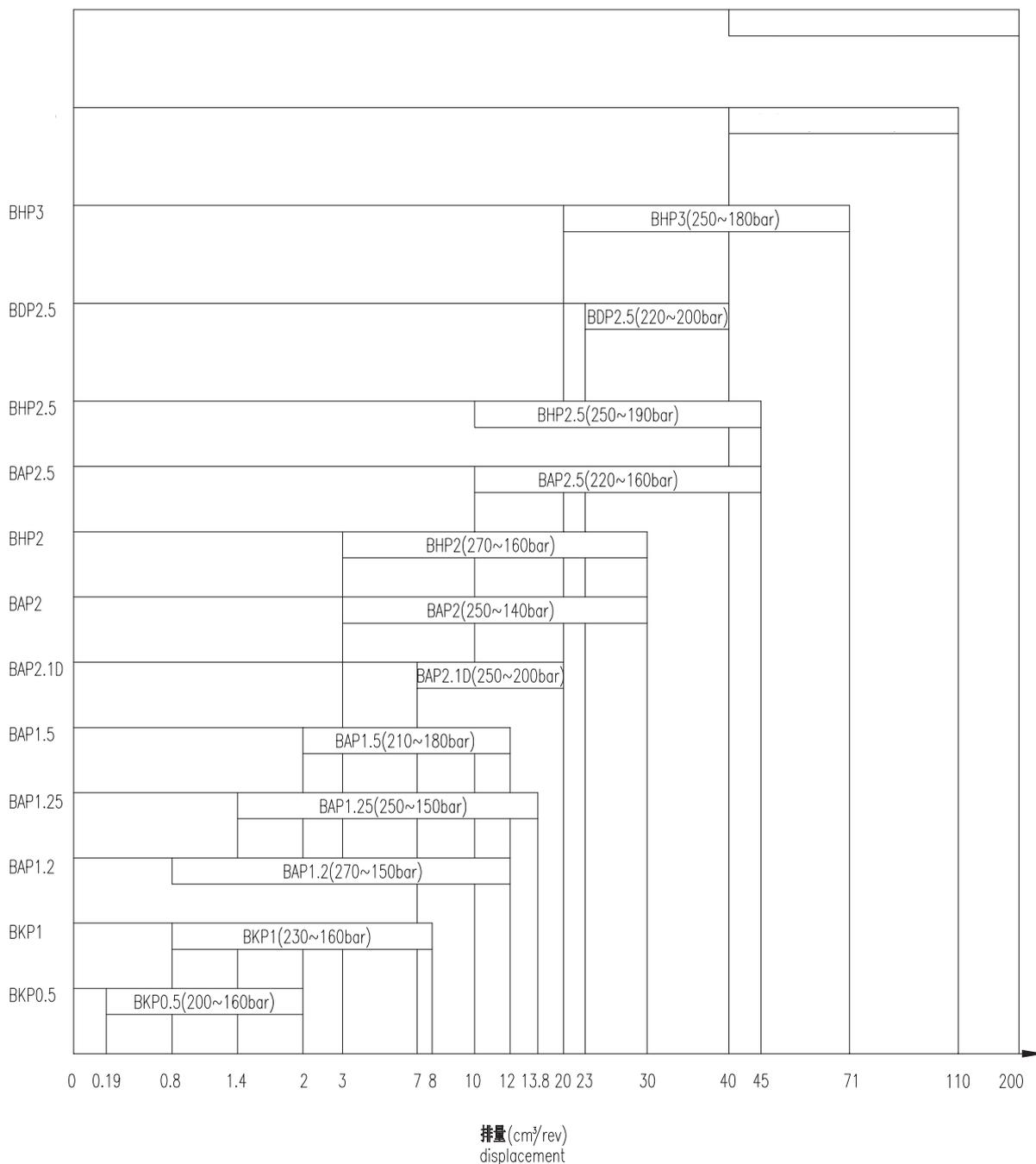
1. STOP RING
2. SHAFT SEAL
3. FRONT COVER
4. FACE SEAL
5. ANTI-EXTRUSION SEAL
6. COMPENSATION SEAL
7. BUSHING
8. DU BEARING
9. DRIVE GEAR
10. DRIVEN GEAR
11. CENTRING PIN
12. BODY
13. END COVER
14. FASTENING SCREWS

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产品范围 PRODUCT RANGE

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“BH”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. “BH” denote cast-iron front and end cover, the others denote aluminum front and emd cover

为了使 齿轮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 the pump.

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).

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：

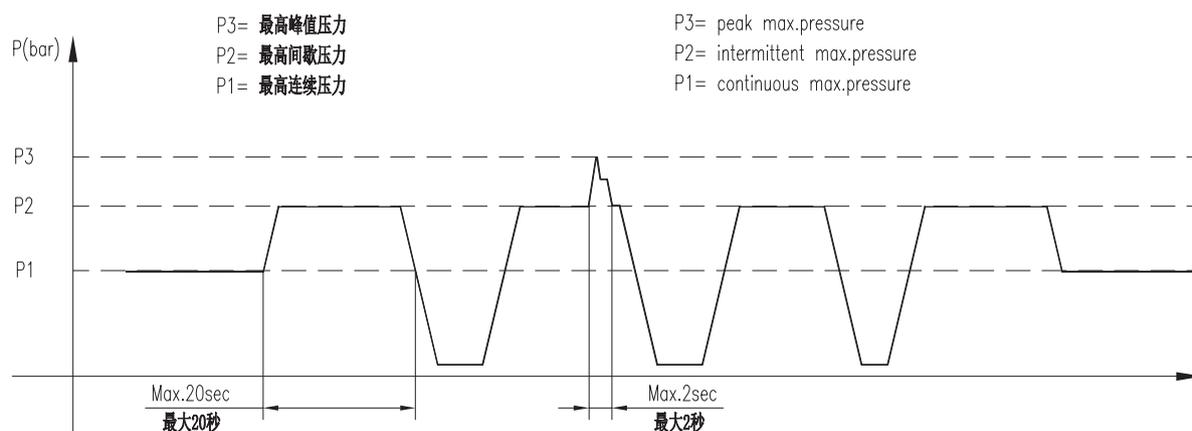
工作压力	Pressure	<140 bar	140...210 bar	>210 bar
NAS 1638 污染等级	NAS 1638 Class	10	9	8
ISO 4406 污染等级	ISO 4406 Class	19/16	18/15	17/14
过滤比 $\beta_x = 75$	Ratio $\beta_x = 75$	25-40 μ m	12-15 μ m	6-12 μ m

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:

压力定义

PRESSURE DEFINITION



进油管 and 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。管路不要太长或不成比例，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

INLET AND DELIVERY LINES

Hydraulic system pipes should show no sudden changes of direction, sharp bends and sudden differences in cross-section.

They should not be too long or out of proportion.

Pipe cross-section should be sized so that fluid velocity does not exceed recommended values.

It is advisable to carefully consider the possible diameter reduction of the inlet or outlet pipes fitted on flange fittings.

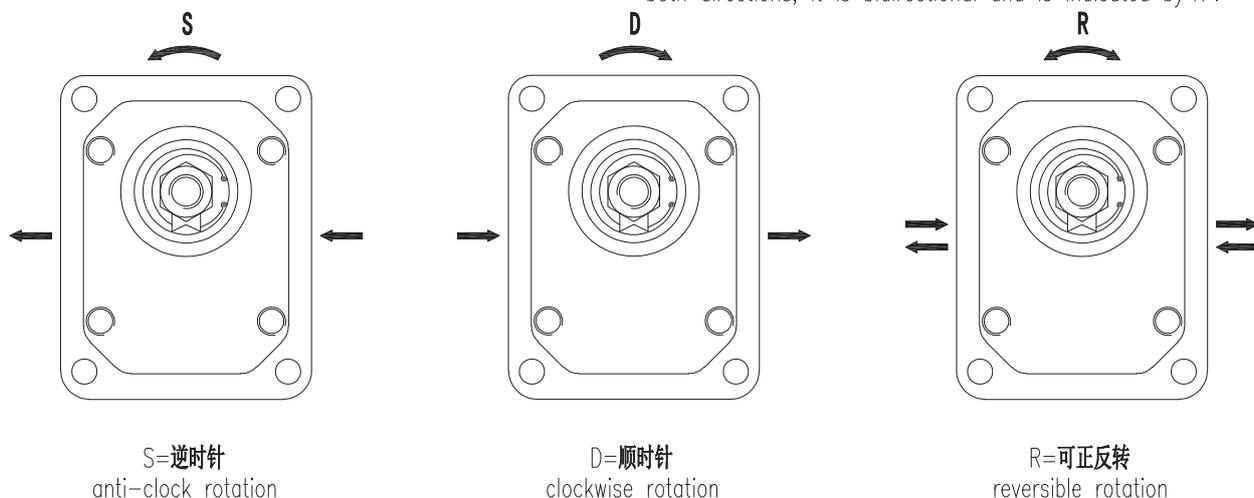
Reference values are the following:

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

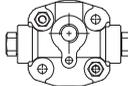
容积效率	Volumetric efficiency	$\eta_v = \eta_v(V, \Delta P, n)$	≈0.93
机械效率	Mechanical efficiency	$\eta_{hm} = \eta_{hm}(V, \Delta P, n)$	≈0.85
总效率	Total efficiency	$\eta_t = \eta_v \cdot \eta_{hm}$	≈0.80

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

0.5系列/Group 0.5

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

B	K	P	0.5	B0	D	0.19	G0	X	LJ1	省略/omit	省略/omit
博顿 Boden	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	泵 Pump	0.5系列 Group 0.5		D 顺时针转 Clockwise S 逆时针转 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
<p>可选项 Options</p> <p>V 省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为5bar. Omit-Range between -10°C and +80°C, inlet pressure up to max. 3 bar absolute.</p> <p>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.</p> <p>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.</p> <p>N 适用于进油口最大绝对压力为~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.</p> <p>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.</p>											

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 $\phi 22\text{mm}$) Square front cover with oil port (centering $\phi 22\text{mm}$) 	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 $\phi 22\text{mm}$) Square front cover without oil port (centering $\phi 22\text{mm}$) 	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 带三口方形前盖 (止口 $\phi 22\text{mm}$) Square front cover with 3-oil port (centering $\phi 22\text{mm}$) 		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 $\phi 22\text{mm}$) Diamond front cover with oil port (centering $\phi 22\text{mm}$) 		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 $\phi 22\text{mm}$) Diamond front cover without oil port (centering $\phi 22\text{mm}$) 		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

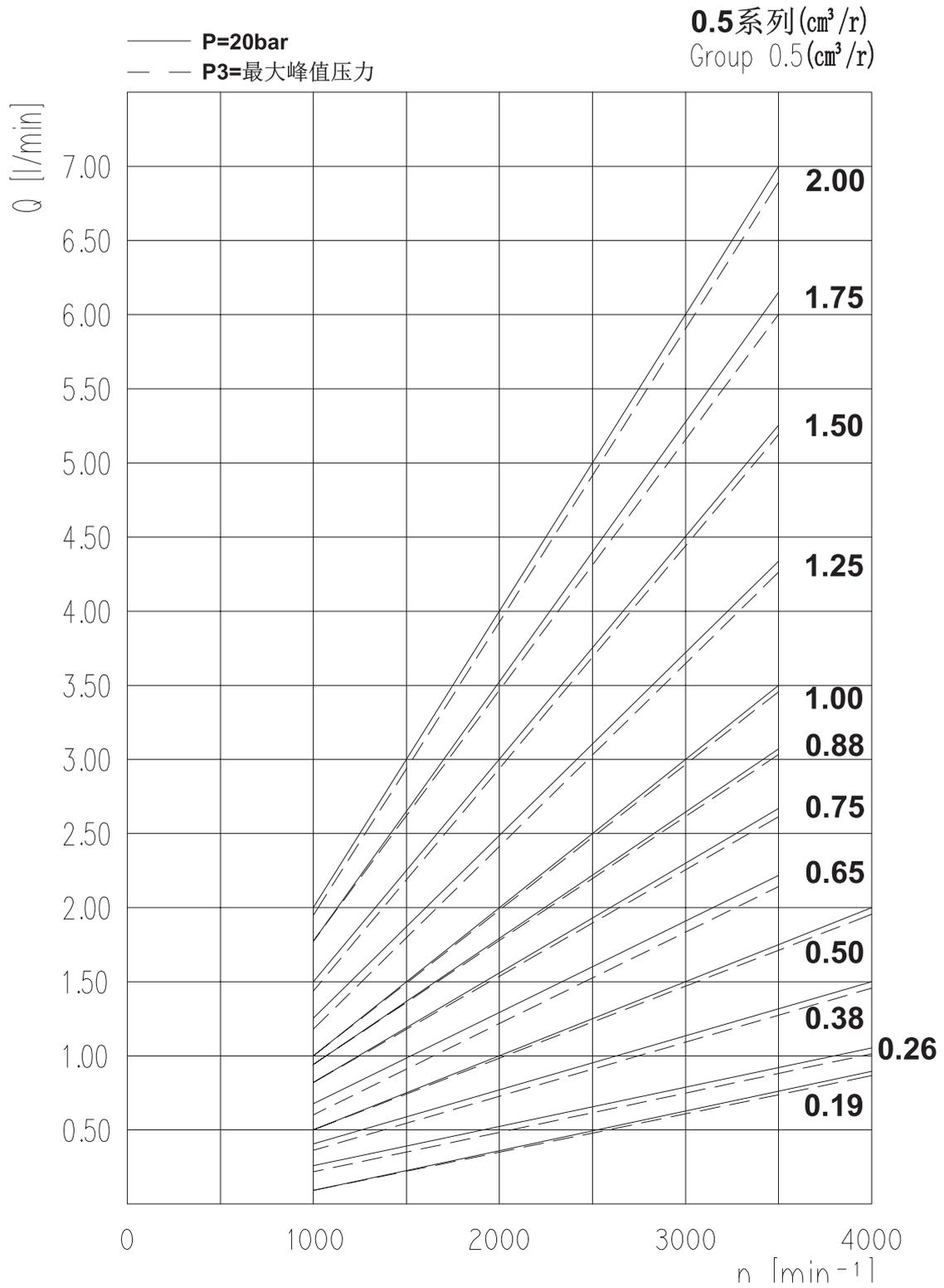
							X	LJ1	省略/omit	省略/omit
							泵体油口 P L	特殊结构 S i l l	可选项 O l	其他 Otl
型式 type										
页码 page	17	18	19							
型式 type										
页码 page	20	21								

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 <td>Pe</td> <td rowspan="5">bar</td> <td colspan="12">0.7...3</td>	Pe	bar	0.7...3											
最高连续压力 Max. continuous pressure <td>P1</td> <td colspan="10">200</td> <td>180</td> <td>160</td>	P1		200										180	160
最高间隙压力 Max. intermittent pressure <td>P2</td> <td colspan="10">230</td> <td>210</td> <td>190</td>	P2		230										210	190
最高峰值压力 Max. peak pressure <td>P3</td> <td colspan="10">250</td> <td>230</td> <td>210</td>	P3		250										230	210
最低转速 Min. speed <td>n_{min}</td> <td rowspan="2">r/min</td> <td colspan="7">1000</td> <td>850</td> <td>700</td> <td>600</td> <td>500</td>	n_{min}		r/min	1000							850	700	600	500
最高转速 Max. speed <td>n_{max}</td> <td colspan="7">7000</td> <td>6000</td> <td>5000</td> <td>4000</td> <td>3000</td>	n_{max}	7000							6000	5000	4000	3000		
容积效率 Volumetric efficiency <td>η_v <td>%</td> <td colspan="4">>90</td> <td colspan="4">>91</td> <td colspan="4">>92</td> </td>	η_v <td>%</td> <td colspan="4">>90</td> <td colspan="4">>91</td> <td colspan="4">>92</td>	%	>90				>91				>92			

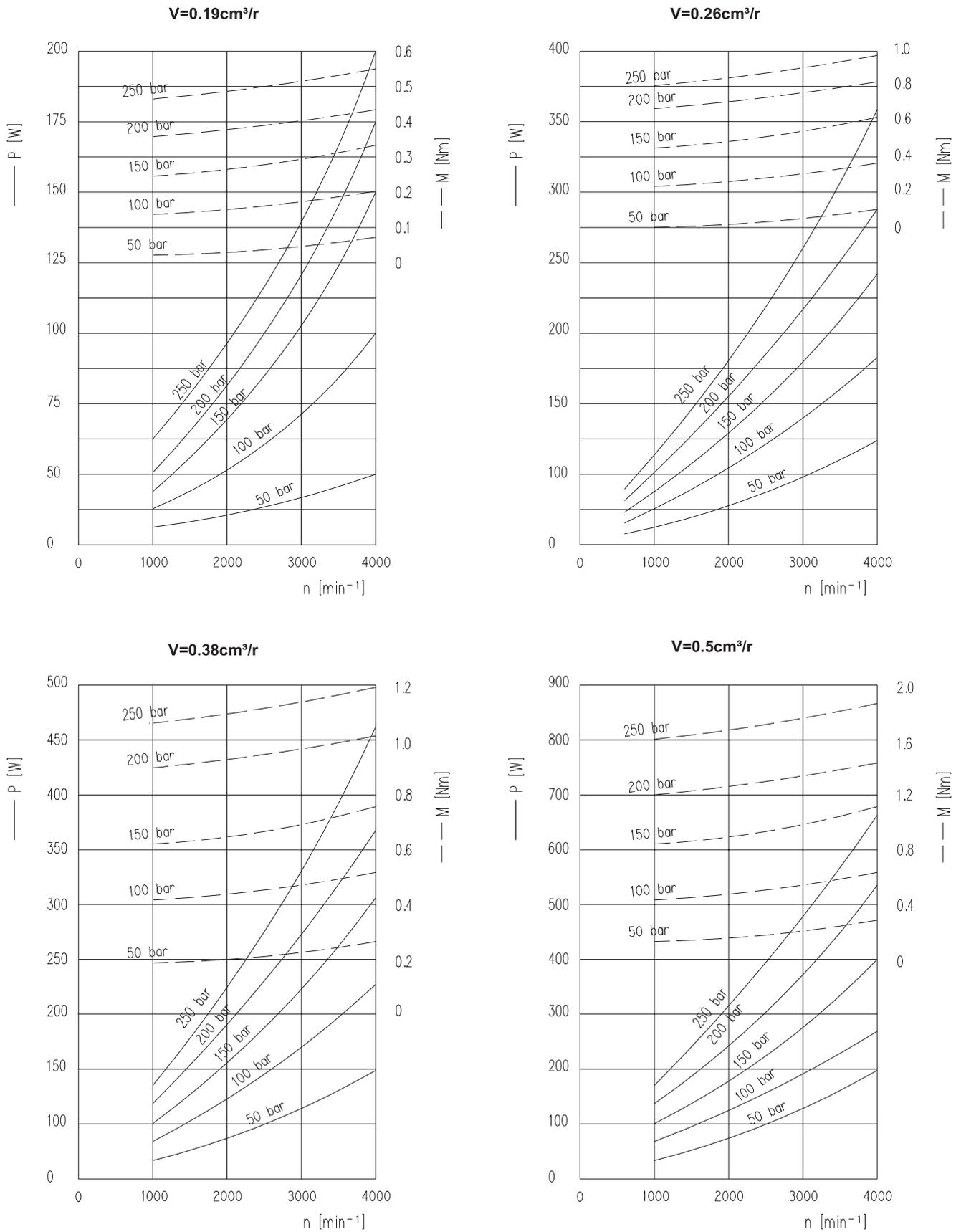
0.5系列/Group 0.5

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



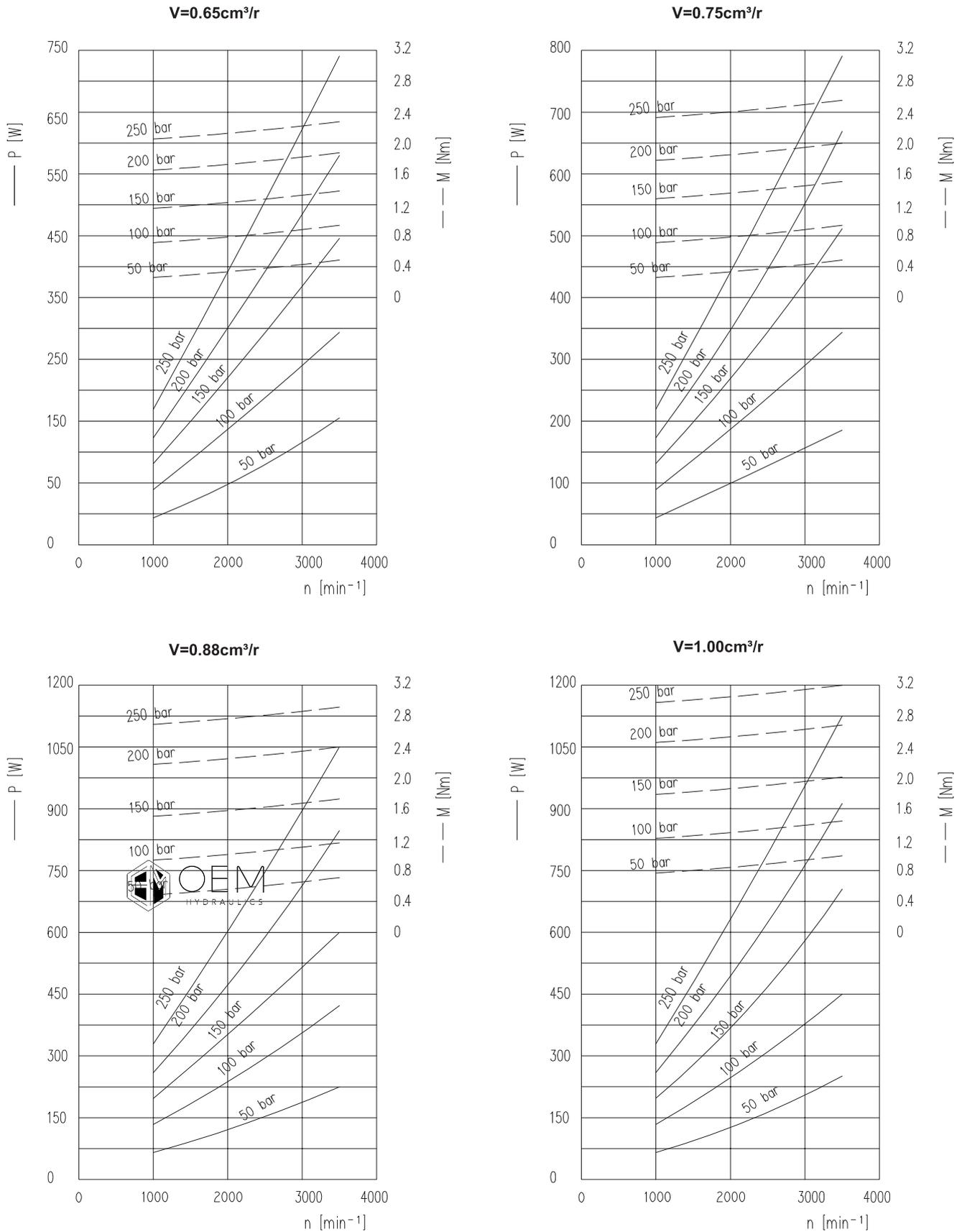
0.5系列/Group 0.5

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



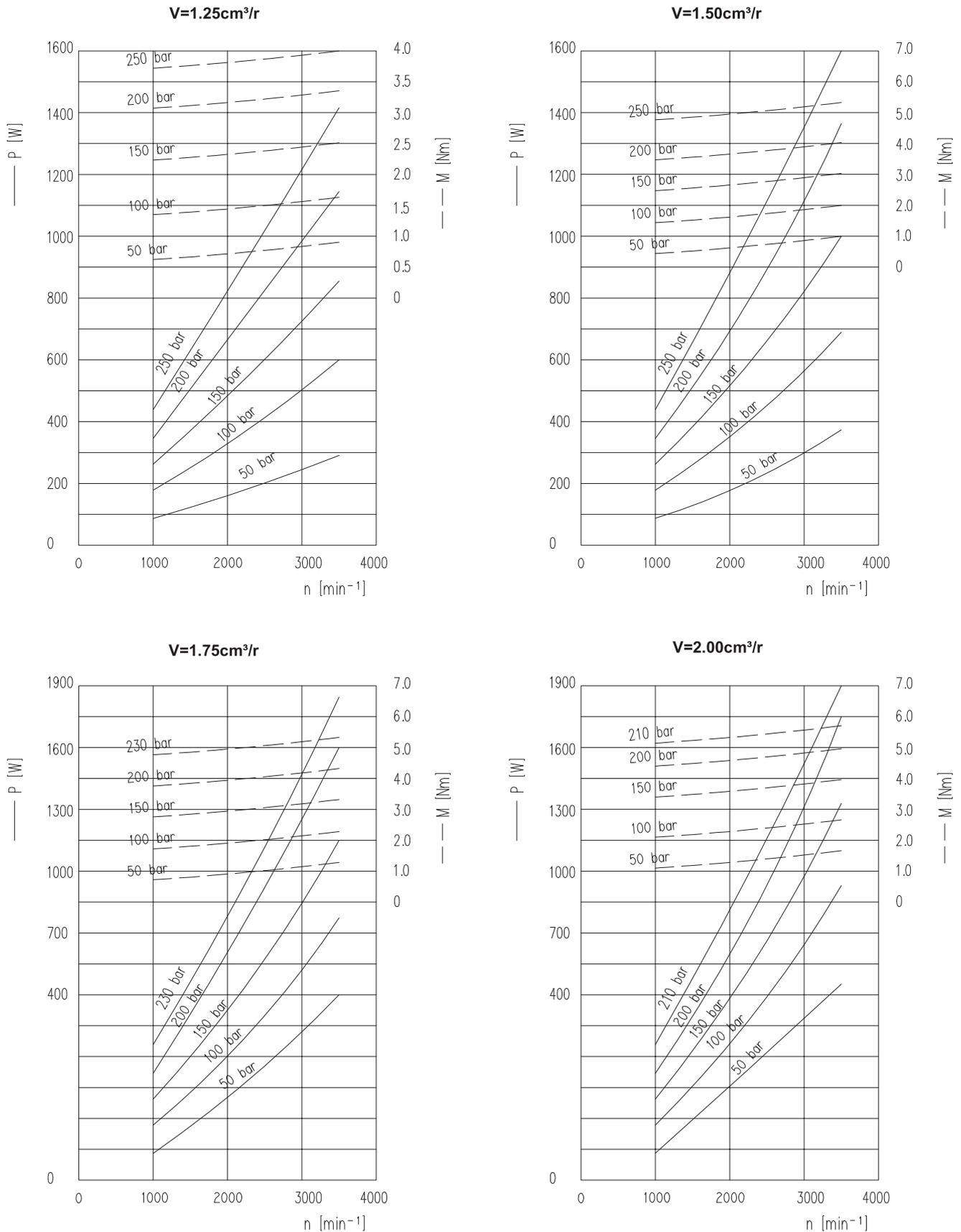
0.5系列/Group 0.5

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

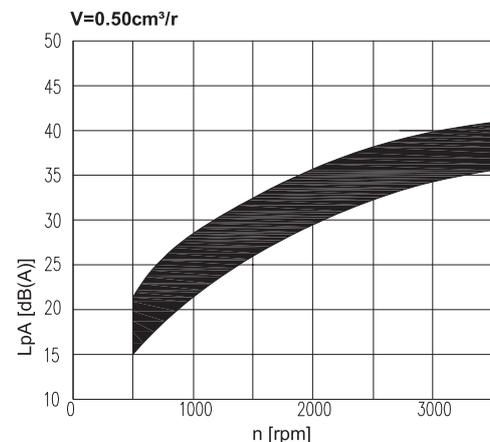
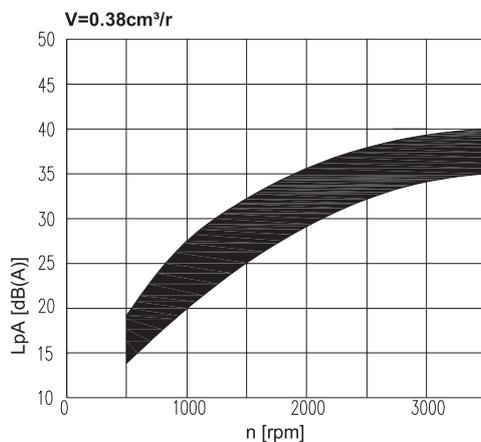
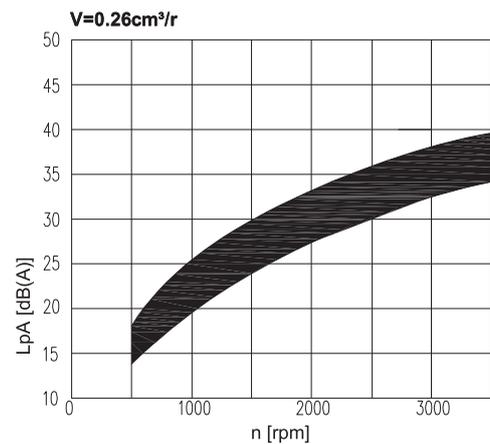
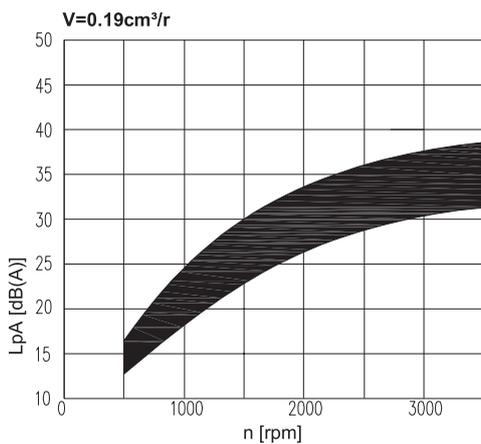
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

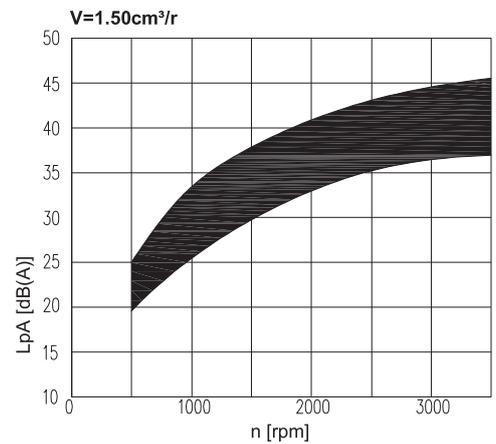
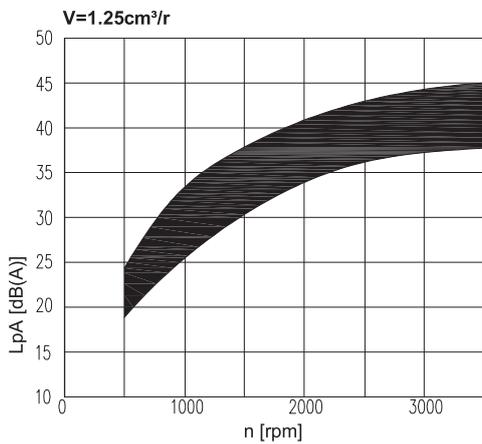
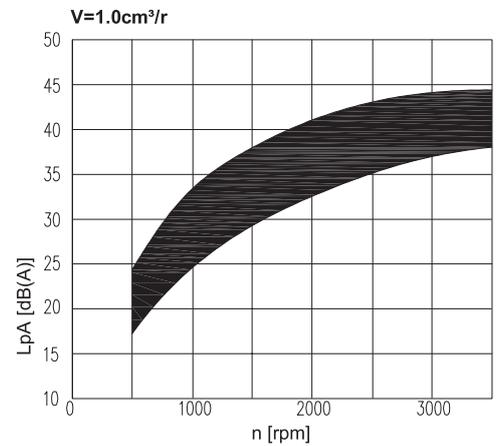
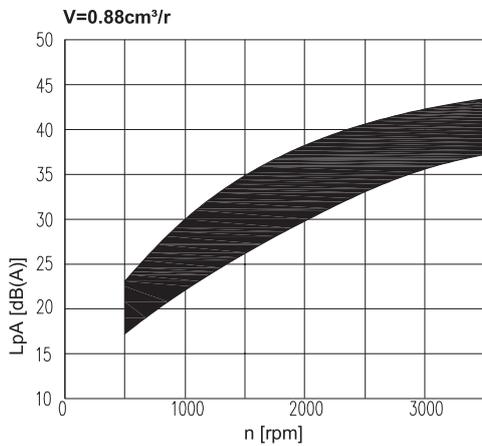
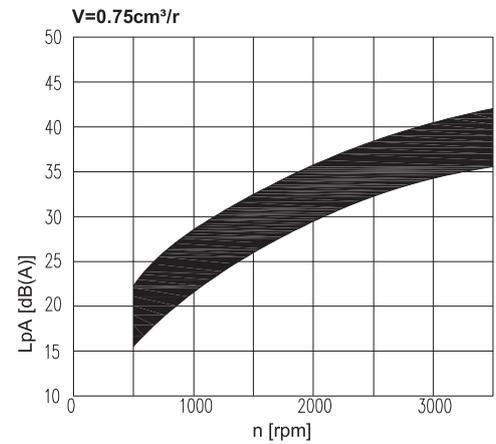
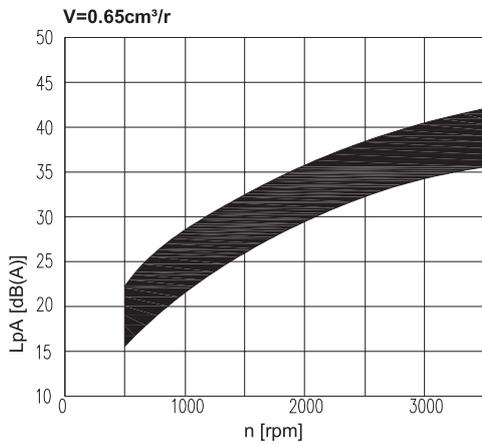
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



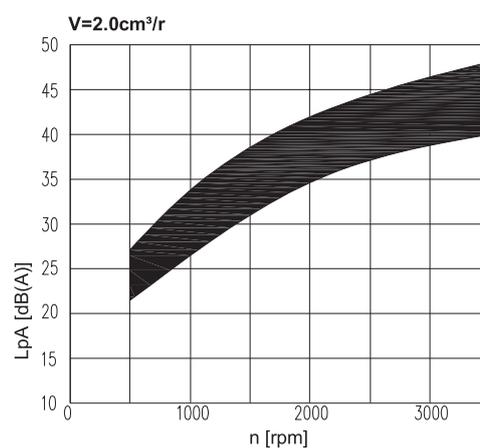
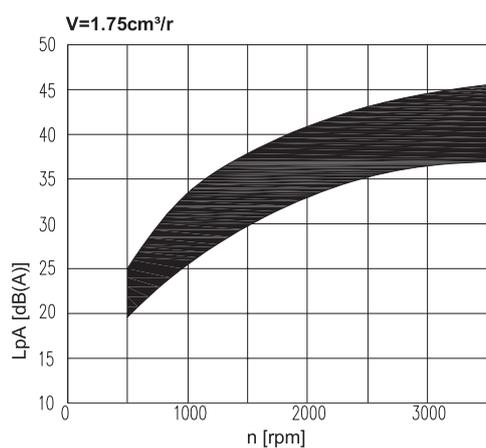
0.5系列/Group 0.5

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



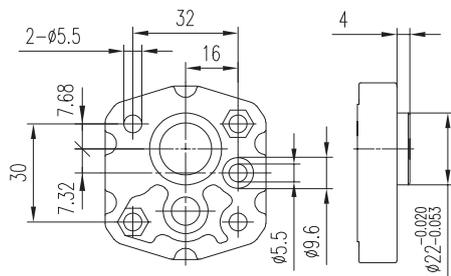
0.5系列/Group 0.5

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

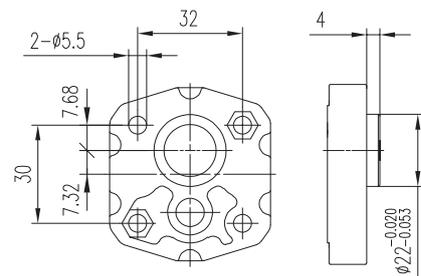


0.5系列/Group 0.5

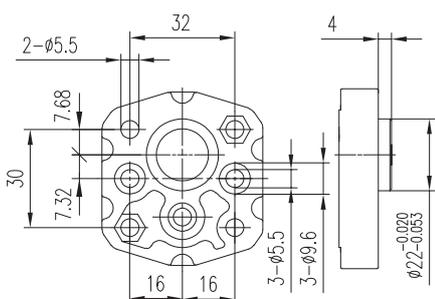
前盖/Front COVER



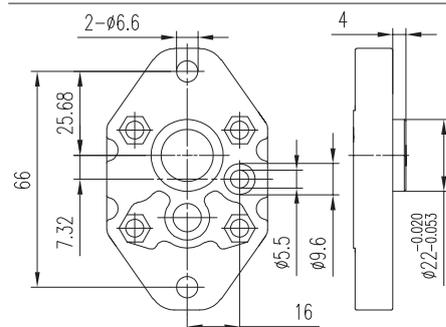
B0



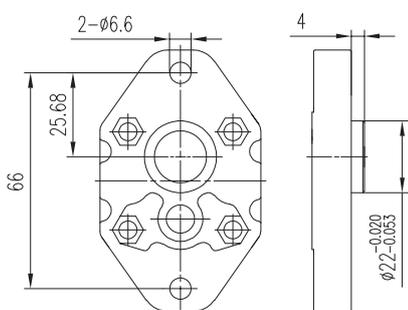
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B2

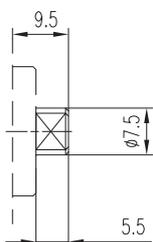


A0



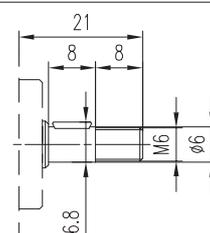
A1

轴伸/SHAFTS



G0

最大扭矩
Max.Torque 10 Nm



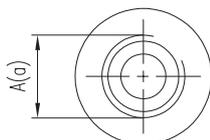
2

C0

最大扭矩
Max.Torque 8 Nm

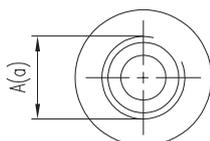
0.5系列/Group 0.5

泵体油口/PORTS



L2/L3

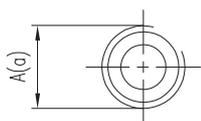
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
L2	0.19...1.0	G1/4	G1/4
L3	1.25...2.0	G3/8	G3/8



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
		A	a
U0	0.19...2.0	9/16-18UNF	9/16-18UNF

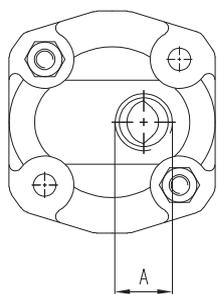


Z0/Z2

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

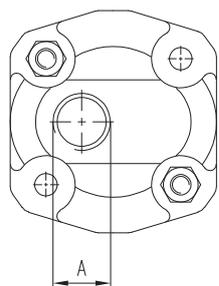
0.5系列/Group 0.5

特殊结构/SPECIAL STRUCTRE



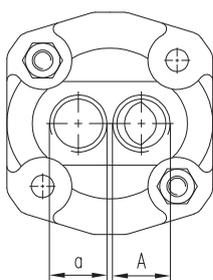
__J__

代号 CODE	进油口 INLET
	A
LJ0	G1/4
MJ0	M14X1.5
UJ1	9/16-18UNF



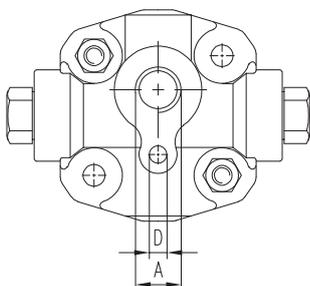
__C__

代号 CODE	出油口 OUTLET
	A
LC0	G1/4
MC0	M14X1.5
UC1	9/16-18UNF



L2/U0/Z0

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



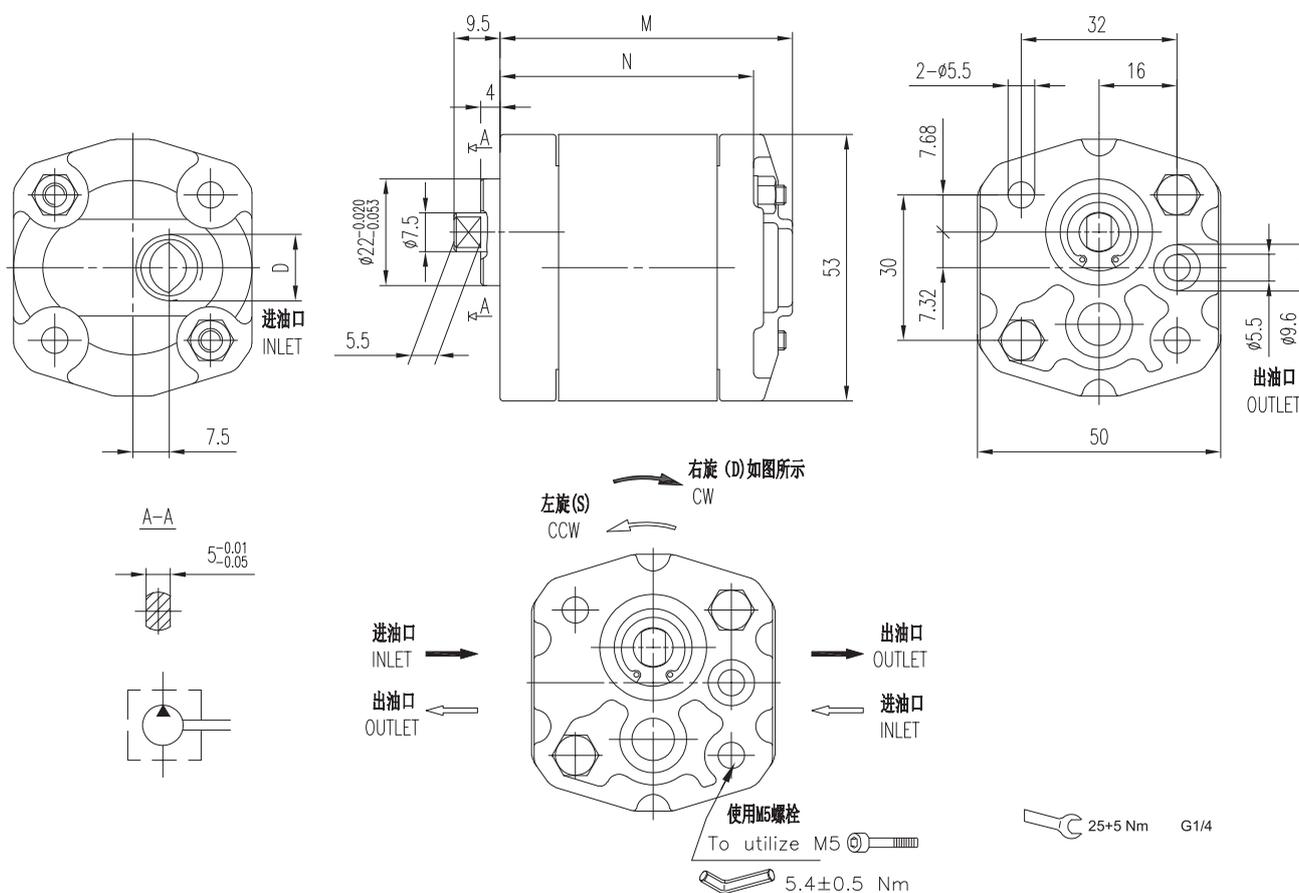
LJ0-VQ2

代号 CODE	进油口 INLET	泄油口 Oil drain
	A	D
LJ0-VQ2	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

BKP0.5-B0-D-0.19-G0-X-LJ0

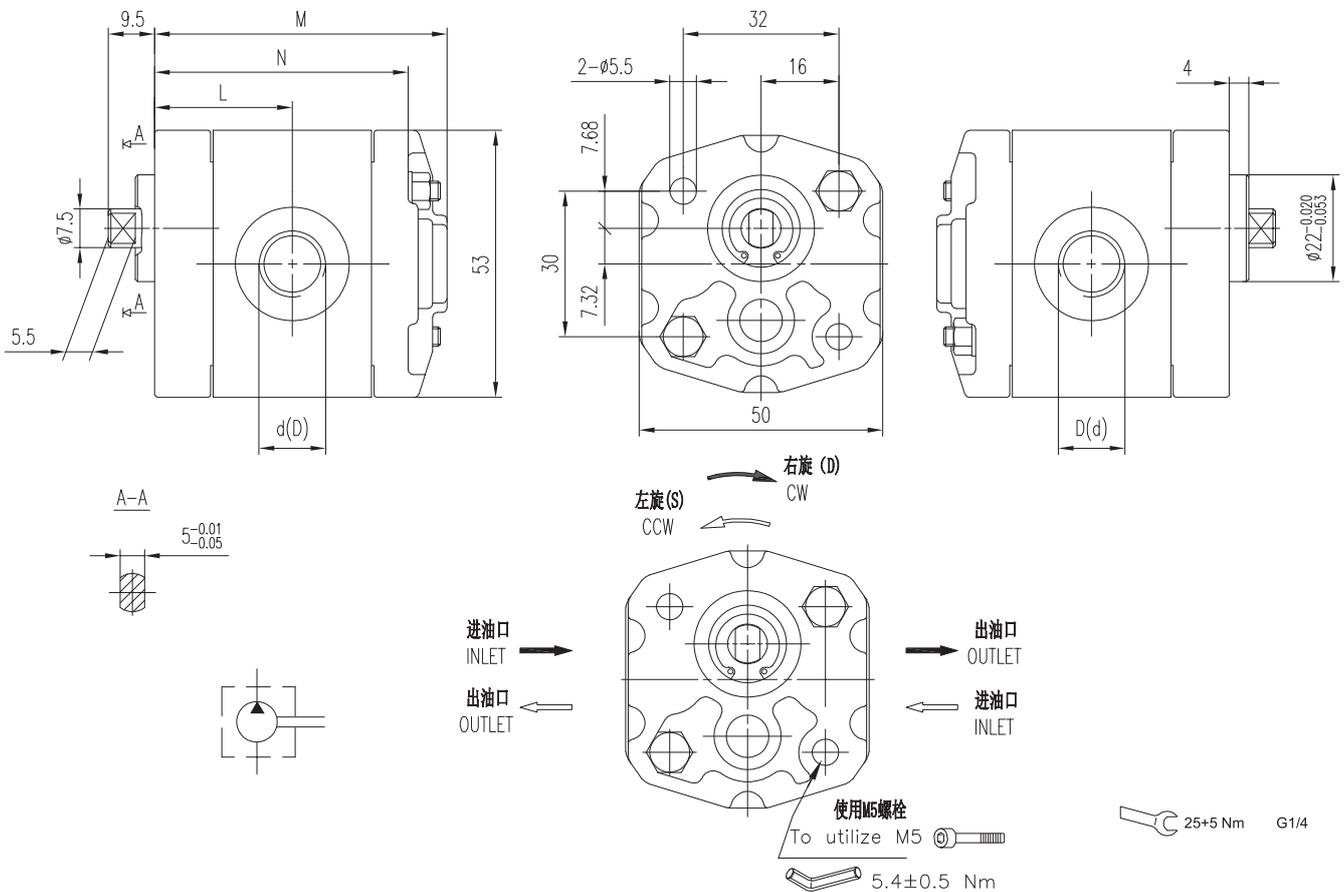


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	N		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		
0.19	200	230	250	7000	1000	0.36	60	51	LJ0	G1/4
0.26	200	230	250	7000	1000	0.364	60.5	51.5	LJ0	G1/4
0.38	200	230	250	7000	1000	0.372	61.5	52.5	LJ0	G1/4
0.50	200	230	250	7000	1000	0.38	62.5	53.5	LJ0	G1/4
0.65	200	230	250	7000	1000	0.40	63.5	54.5	LJ0	G1/4
0.75	200	230	250	7000	1000	0.408	64.5	55.5	LJ0	G1/4
0.88	200	230	250	7000	1000	0.416	65.5	56.5	LJ0	G1/4
1.00	200	230	250	6000	850	0.42	66.5	57.5	LJ0	G1/4
1.25	200	230	250	5000	700	0.436	68.5	59.5	LJ0	G1/4
1.50	200	230	250	4000	600	0.452	70.5	61.5	LJ0	G1/4
1.75	180	210	230	4000	600	0.468	72.5	63.5	LJ0	G1/4
2.00	160	190	210	3000	500	0.484	74.5	65.5	LJ0	G1/4

0.5系列/Group 0.5

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

BKPO.5-B1-**D**-**0.19**-G0-**L2**

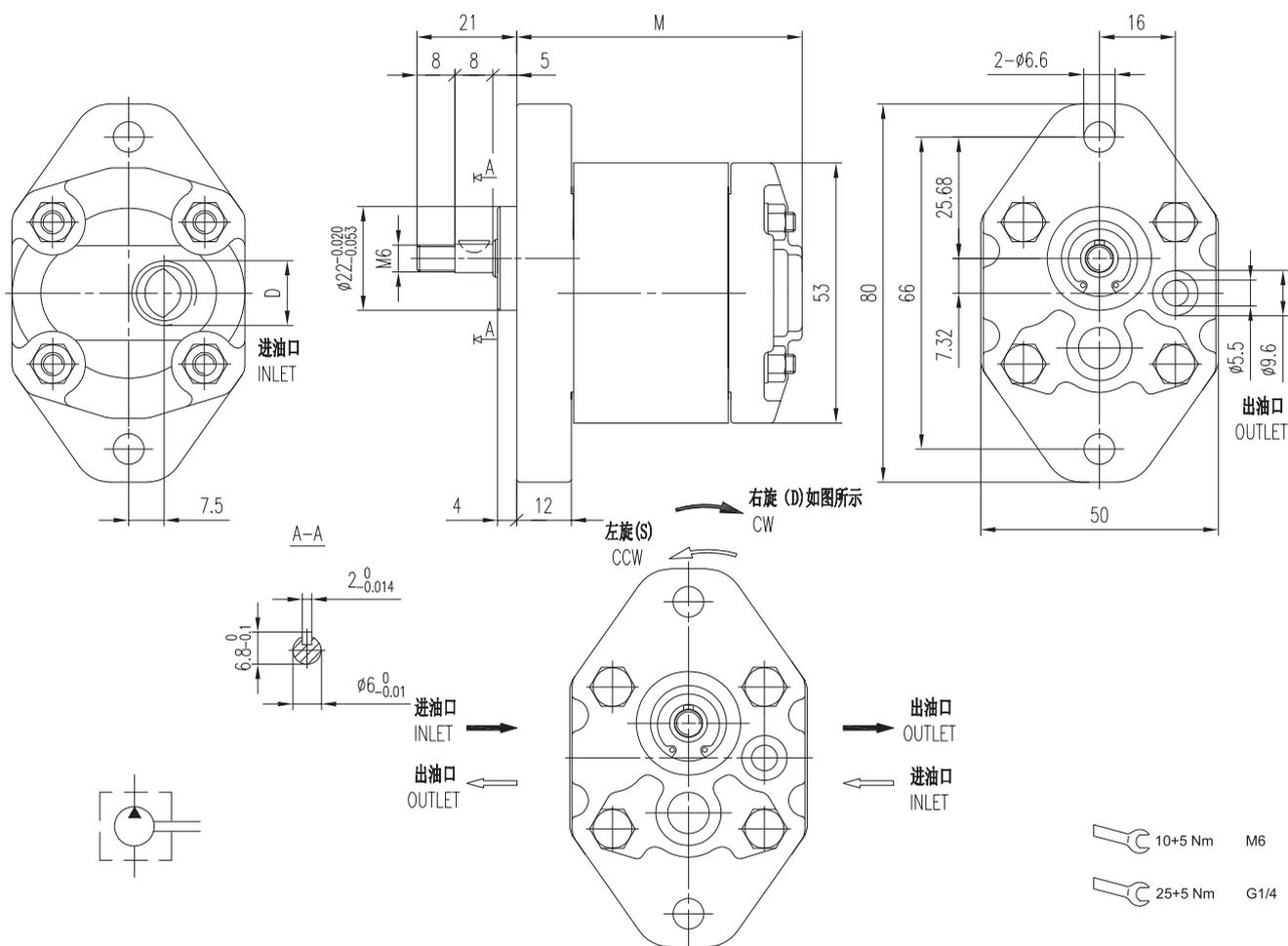


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm			
0.19	200	230	250	7000	1000	0.36	60	51	27.2	L2	G1/4	G1/4
0.26	200	230	250	7000	1000	0.364	60.5	51.5	27.5	L2	G1/4	G1/4
0.38	200	230	250	7000	1000	0.372	61.5	52.5	28	L2	G1/4	G1/4
0.50	200	230	250	7000	1000	0.38	62.5	53.5	28.5	L2	G1/4	G1/4
0.65	200	230	250	7000	1000	0.40	63.5	54.5	29	L2	G1/4	G1/4
0.75	200	230	250	7000	1000	0.408	64.5	55.5	29.5	L2	G1/4	G1/4
0.88	200	230	250	7000	1000	0.416	65.5	56.5	30	L2	G1/4	G1/4
1.00	200	230	250	6000	850	0.42	66.5	57.5	30.5	L2	G1/4	G1/4
1.25	200	230	250	5000	700	0.436	68.5	59.5	31.5	L2	G1/4	G1/4
1.50	200	230	250	4000	600	0.452	70.5	61.5	32.5	L2	G1/4	G1/4
1.75	180	210	230	4000	600	0.468	72.5	63.5	33.5	L2	G1/4	G1/4
2.00	160	190	210	3000	500	0.484	74.5	65.5	34.5	L2	G1/4	G1/4

0.5系列/Group 0.5

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

BKPO.5-A0-D-0.19-C0-X-LJ0

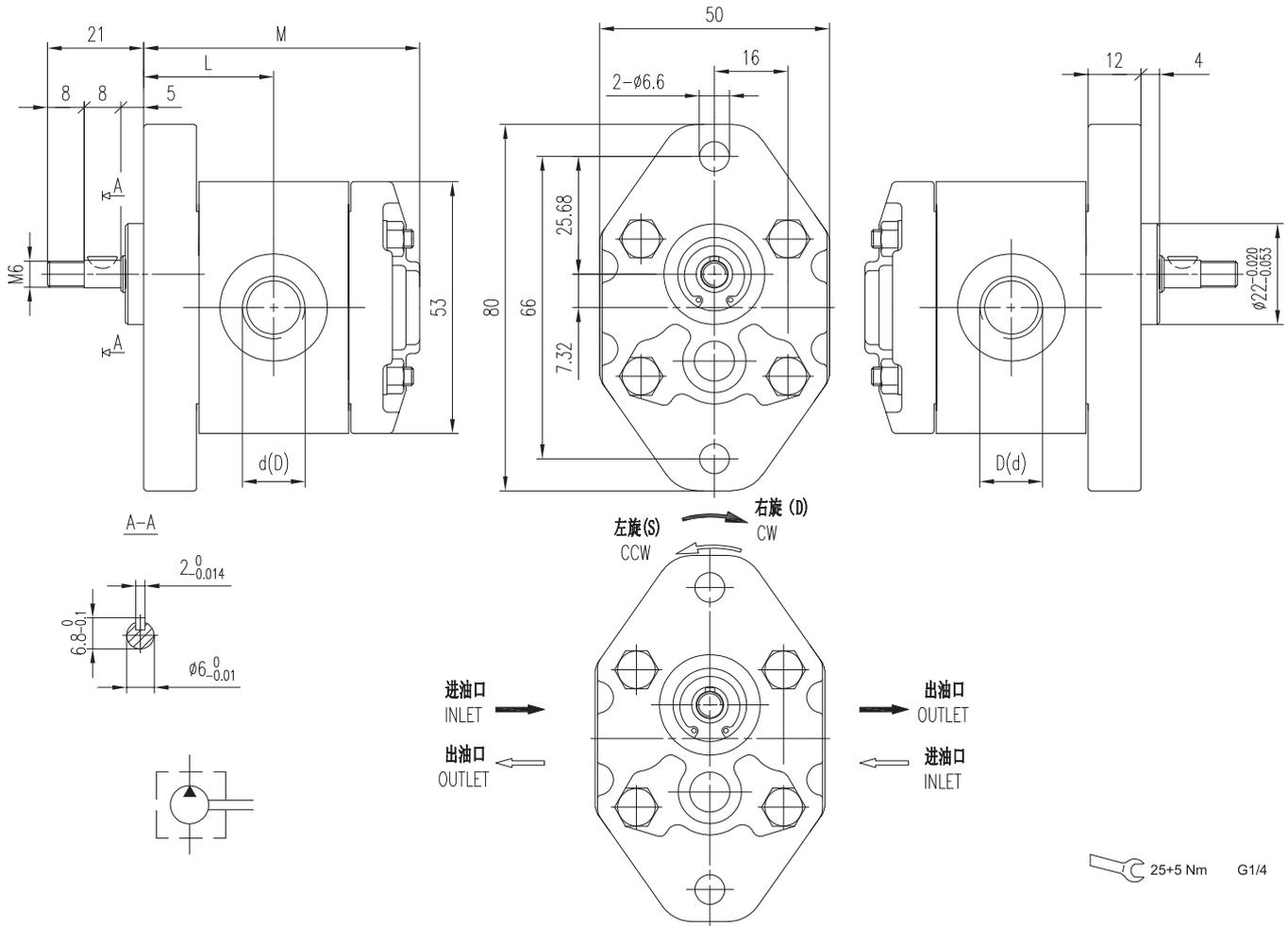


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET
	P1	P2	P3						
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	M		D
0.19	200	230	250	7000	1000	0.395	60	LJ0	G1/4
0.26	200	230	250	7000	1000	0.40	60.5	LJ0	G1/4
0.38	200	230	250	7000	1000	0.41	61.5	LJ0	G1/4
0.50	200	230	250	7000	1000	0.42	62.5	LJ0	G1/4
0.65	200	230	250	7000	1000	0.43	63.5	LJ0	G1/4
0.75	200	230	250	7000	1000	0.44	64.5	LJ0	G1/4
0.88	200	230	250	7000	1000	0.45	65.5	LJ0	G1/4
1.00	200	230	250	6000	850	0.46	66.5	LJ0	G1/4
1.25	200	230	250	5000	700	0.48	68.5	LJ0	G1/4
1.50	200	230	250	4000	600	0.50	70.5	LJ0	G1/4
1.75	180	210	230	4000	600	0.51	72.5	LJ0	G1/4
2.00	160	190	210	3000	500	0.52	74.5	LJ0	G1/4

0.5系列/Group 0.5

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

BKPO.5-A1-D-0.19-C0-L2

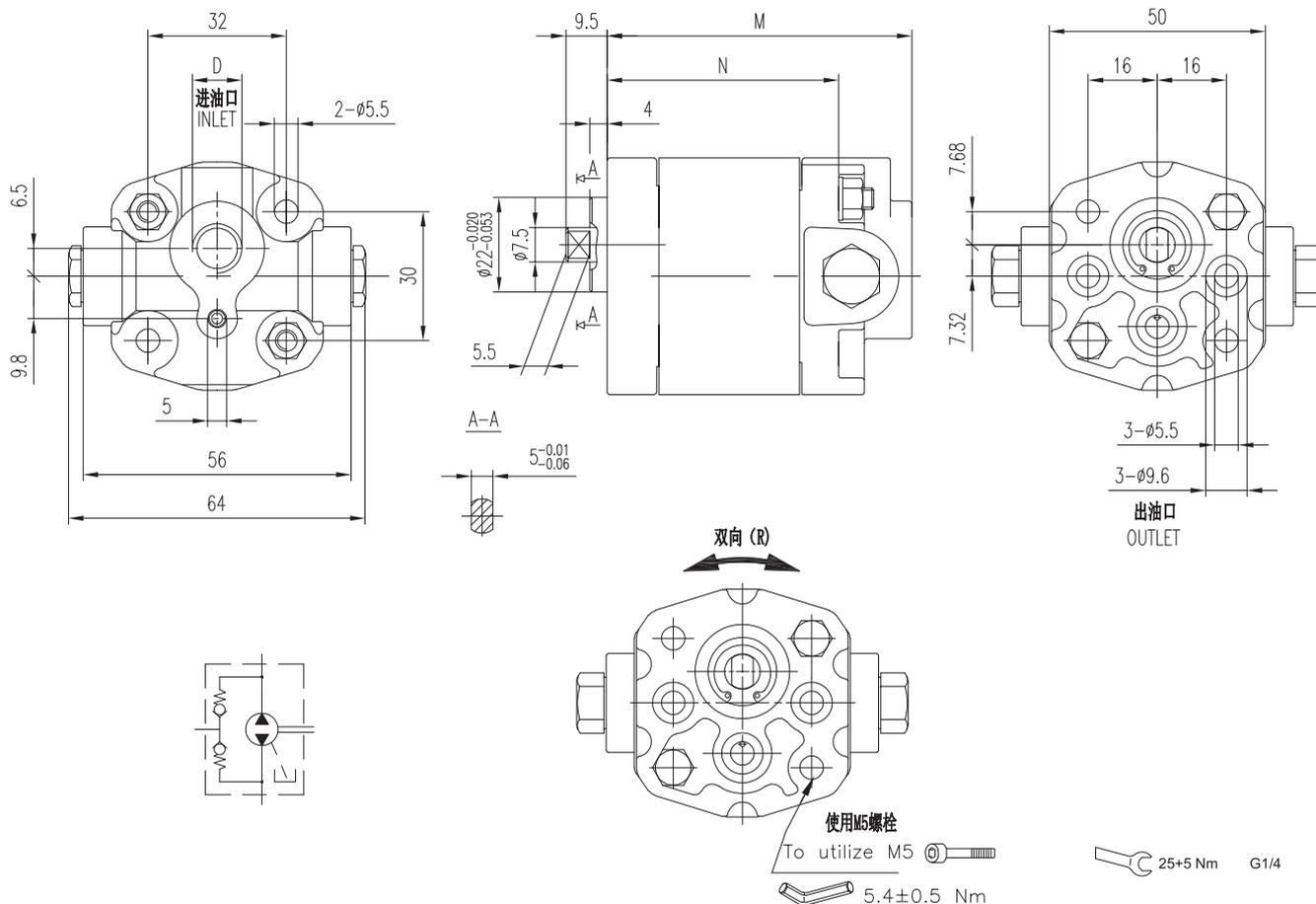


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
0.19	200	230	250	7000	1000	0.395	60	27.2	L2	G1/4	G1/4
0.26	200	230	250	7000	1000	0.40	60.5	27.5	L2	G1/4	G1/4
0.38	200	230	250	7000	1000	0.41	61.5	28	L2	G1/4	G1/4
0.50	200	230	250	7000	1000	0.42	62.5	28.5	L2	G1/4	G1/4
0.65	200	230	250	7000	1000	0.43	63.5	29	L2	G1/4	G1/4
0.75	200	230	250	7000	1000	0.44	64.5	29.5	L2	G1/4	G1/4
0.88	200	230	250	7000	1000	0.45	65.5	30	L2	G1/4	G1/4
1.00	200	230	250	6000	850	0.46	66.5	30.5	L2	G1/4	G1/4
1.25	200	230	250	5000	700	0.48	68.5	31.5	L2	G1/4	G1/4
1.50	200	230	250	4000	600	0.50	70.5	32.5	L2	G1/4	G1/4
1.75	180	210	230	4000	600	0.51	72.5	33.5	L2	G1/4	G1/4
2.00	160	190	210	3000	500	0.52	74.5	34.5	L2	G1/4	G1/4

0.5系列/Group 0.5

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

BKPO. 5-B2-R-**0.19**-G0-X-**LJ0**-VQ2

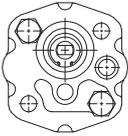
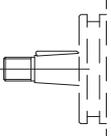
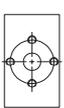
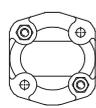
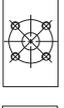
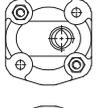
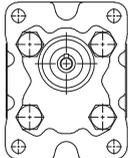
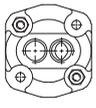
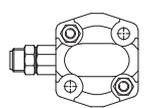


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D
0.19	150	170	190	7000	1000	0.40	68	51	LJ0	G1/4
0.26	150	170	190	7000	1000	0.41	68.5	51.5	LJ0	G1/4
0.38	150	170	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

B	K	P	1	Q0	D	0.8	G0	X	LJ1	省略/omit	省略/omit										
博顿 Boden	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	泵 Pump	1系列 Group 1 1系列斜齿 Group 1 helical tooth		D 顺时针转 Clockwise S 逆时针转 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										
<table border="1" style="width: 100%;"> <tr> <th colspan="2">可选项 Options</th> </tr> <tr> <td>V</td> <td>省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为5bar. Omit-Range between -10°C and +80°C 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°C and +120°C.</td> </tr> <tr> <td>H</td> <td>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.</td> </tr> <tr> <td>N</td> <td>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.</td> </tr> <tr> <td colspan="2" style="text-align: center;">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		V	省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为5bar. Omit-Range between -10°C and +80°C 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°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.	
可选项 Options																					
V	省略-温度范围在-10℃~+80℃, 进油口最高绝对压力为5bar. Omit-Range between -10°C and +80°C 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°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 带油口方形前盖 (止口 $\phi 32\text{mm}$) Square front cover with oil port (centering $\phi 32\text{mm}$) 	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 
Q1 不带油口方形前盖 (止口 $\phi 32\text{mm}$) Square front cover without oil port (centering $\phi 32\text{mm}$) 	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 $\phi 32\text{mm}$) Square front cover without oil port (centering $\phi 25.4\text{mm}$) 	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 32 页 See page 32 for details	详见 32 页 See page 32 for details	详见 33-34 页 See page 33-34 for details	详见 35 页 See page 35 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			
			
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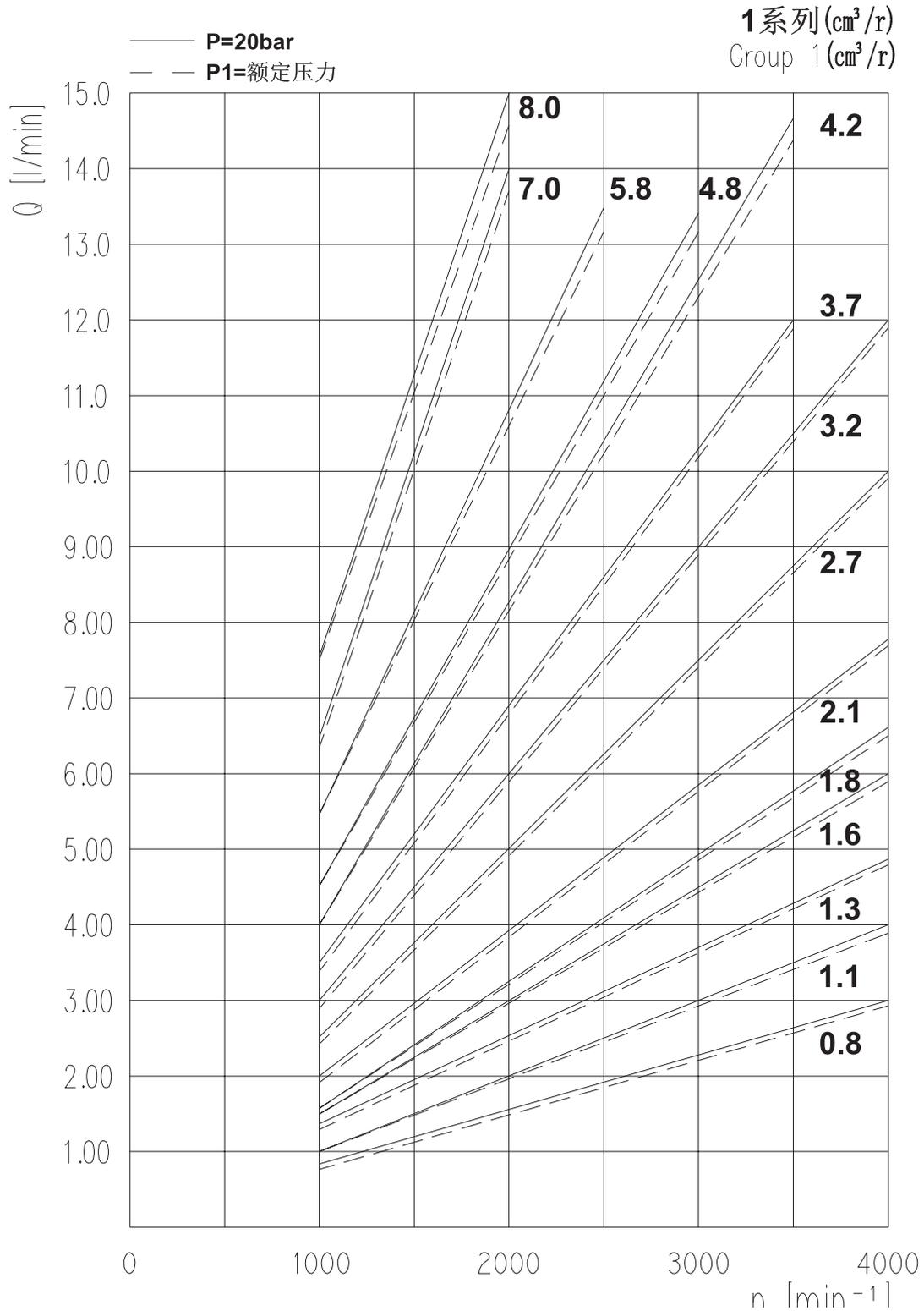
型式 type		
		
页码 page	39	40

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	Ω_{\min}	r/min	1000						800				600						
最高转速 Max. speed	Ω_{\max}		6000						5000		4500		3500		3000		2500		2100
容积效率 Volumetric efficiency	η_v	%	≥90		≥91			≥92					≥93						

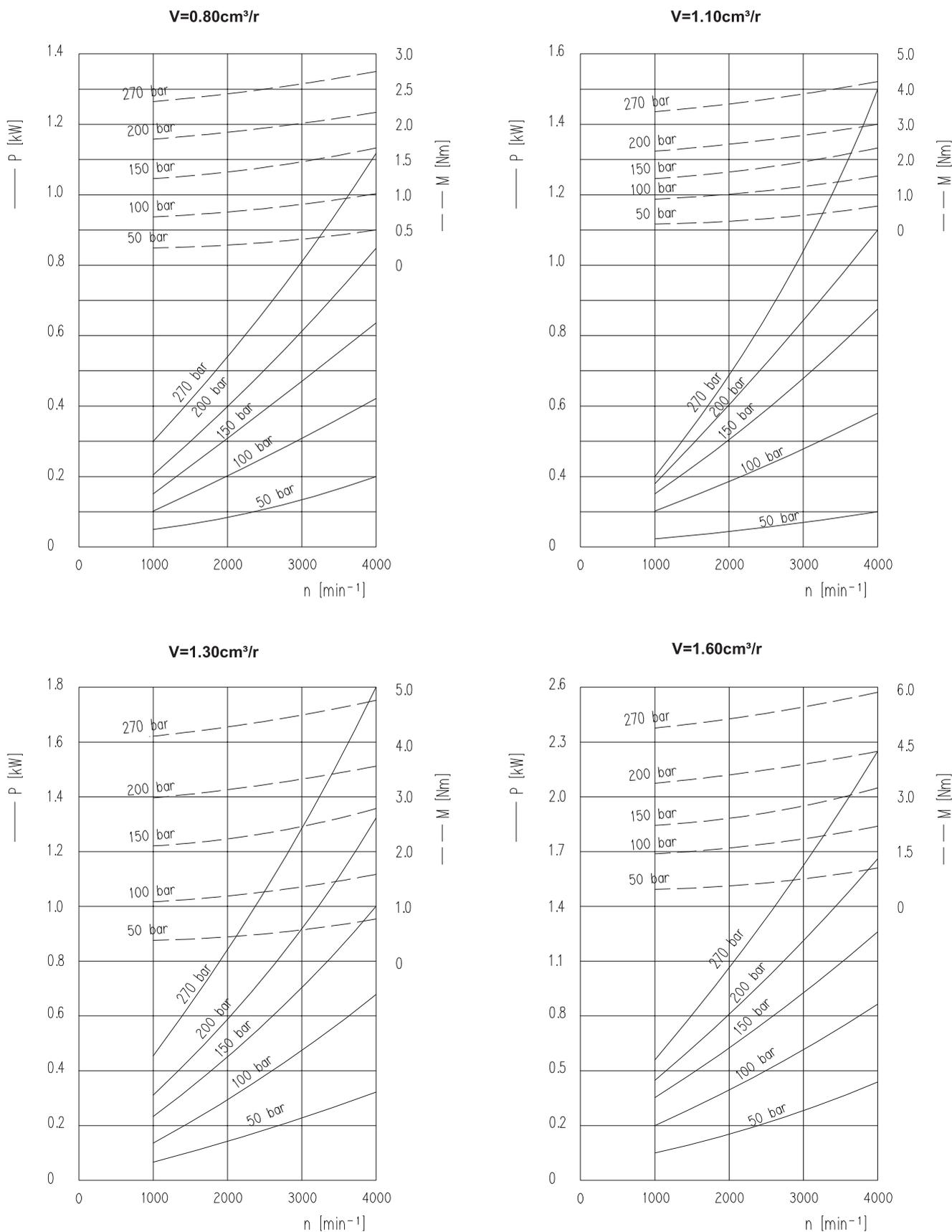
1系列/Group 1

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



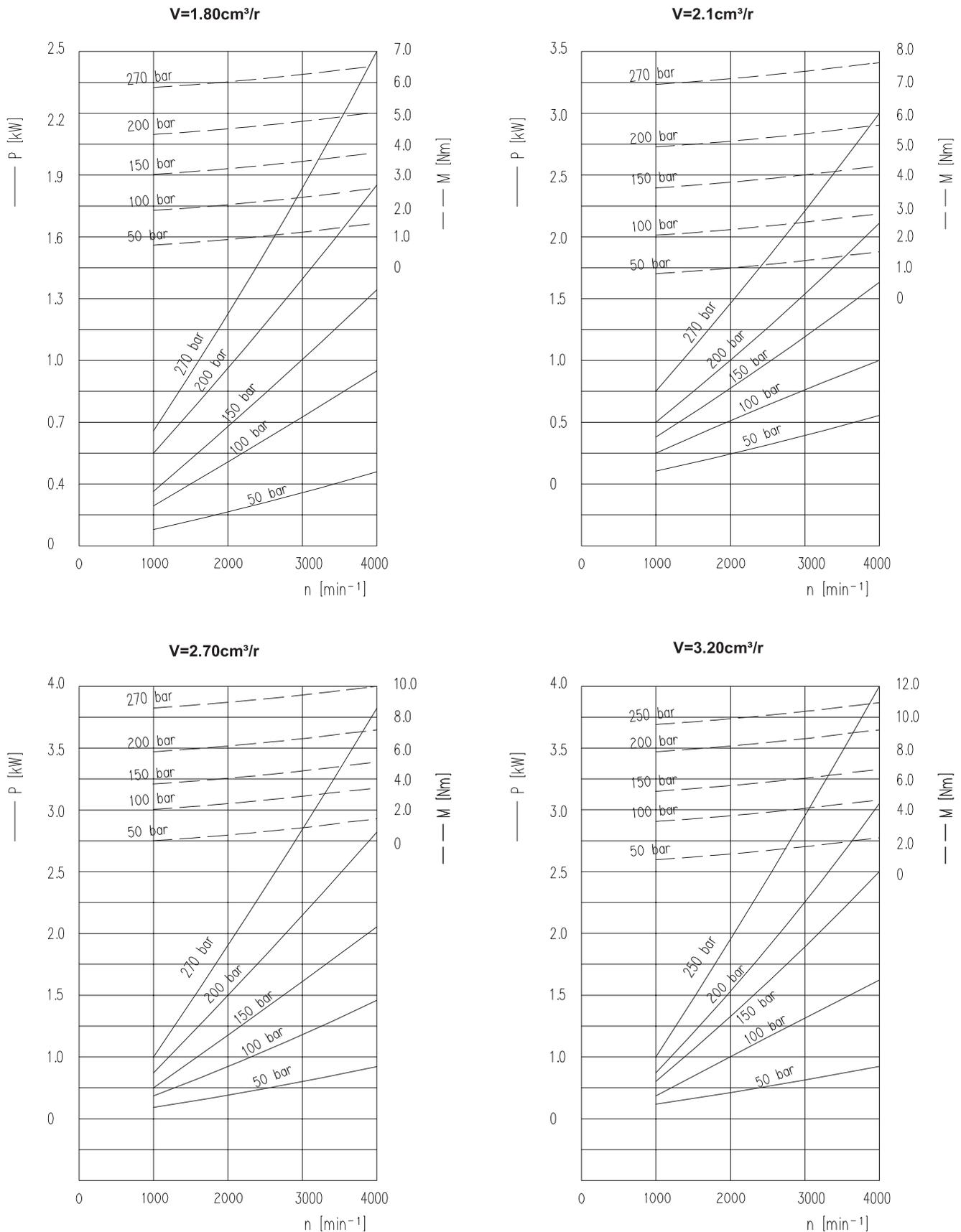
1系列/Group 1

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



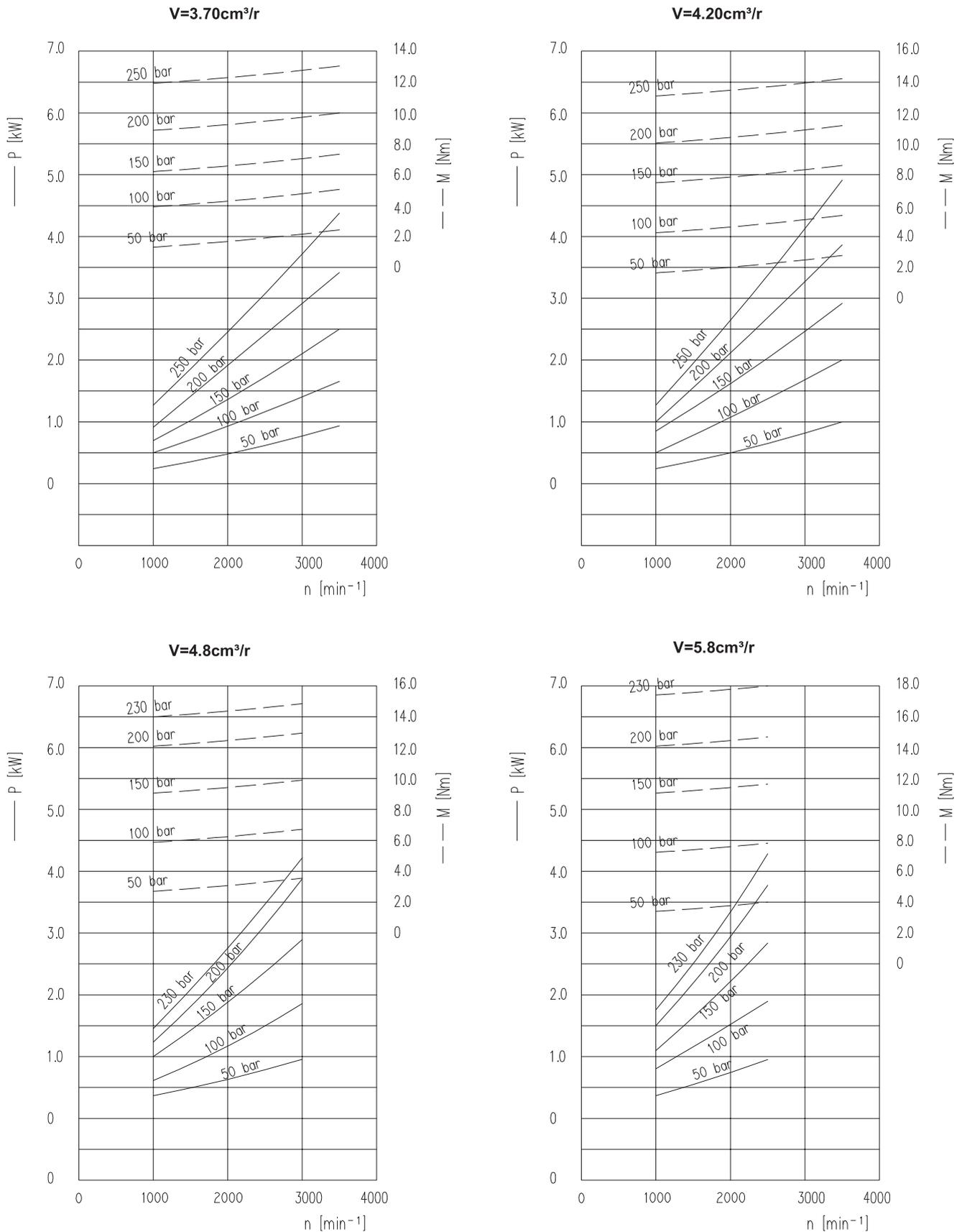
1系列/Group 1

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



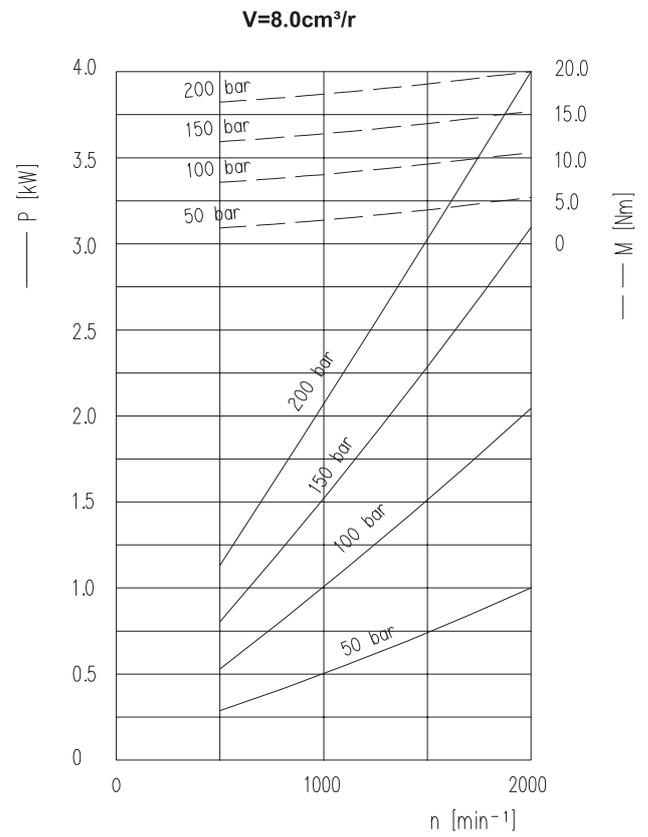
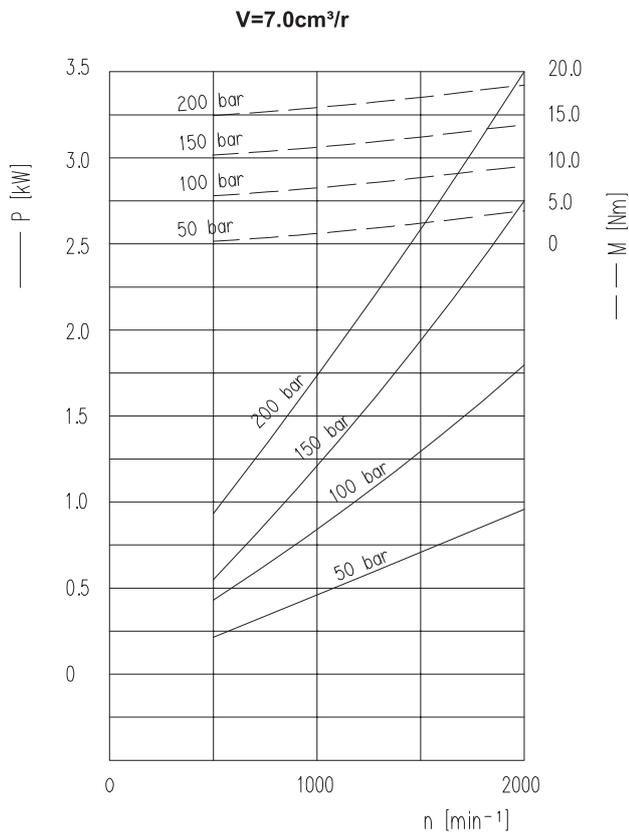
1系列/Group 1

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

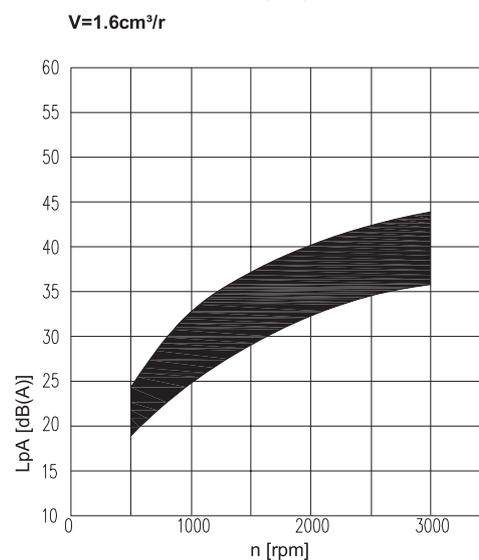
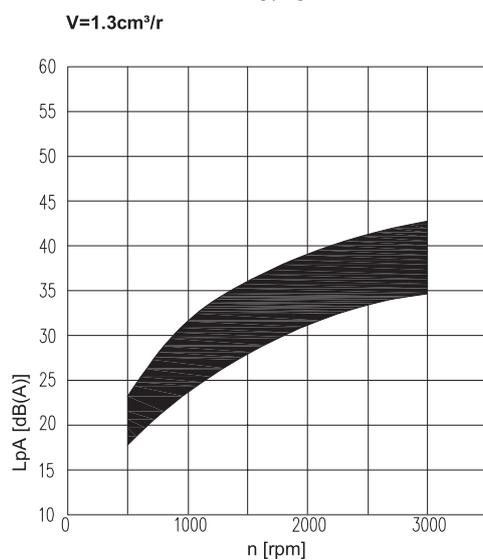
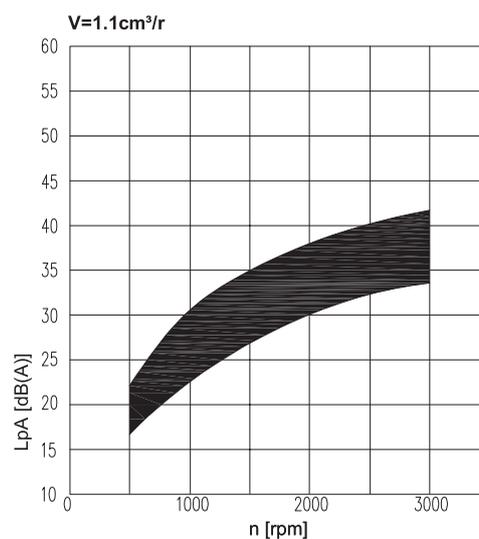
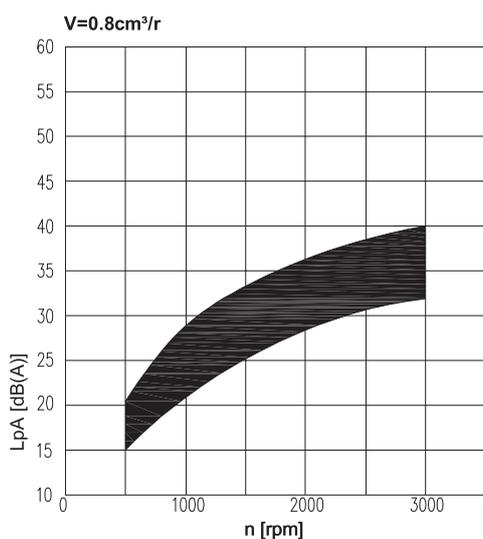
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

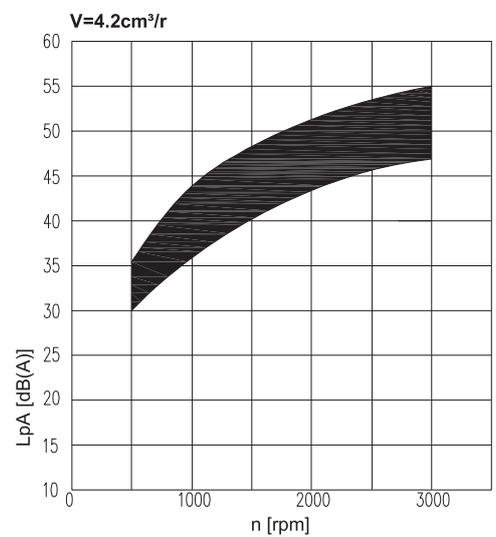
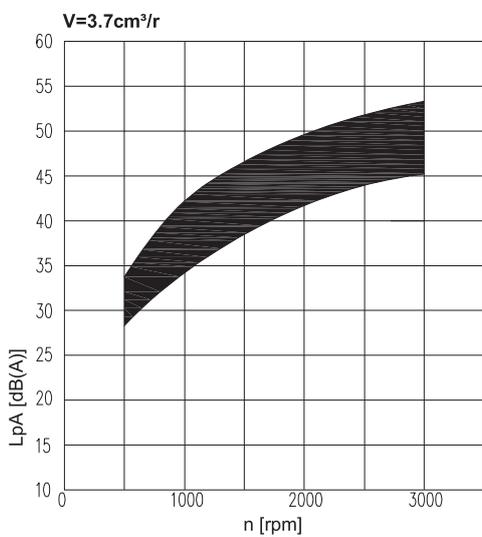
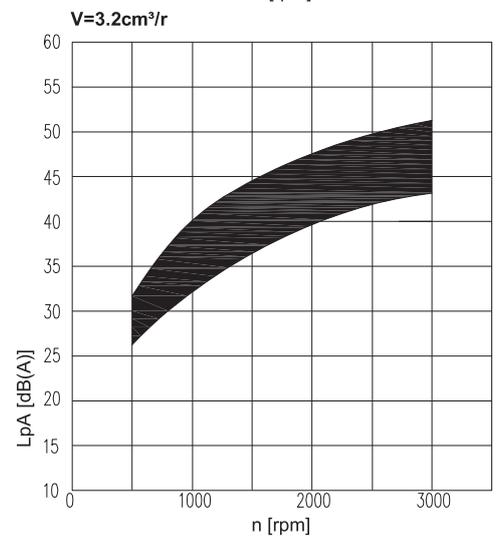
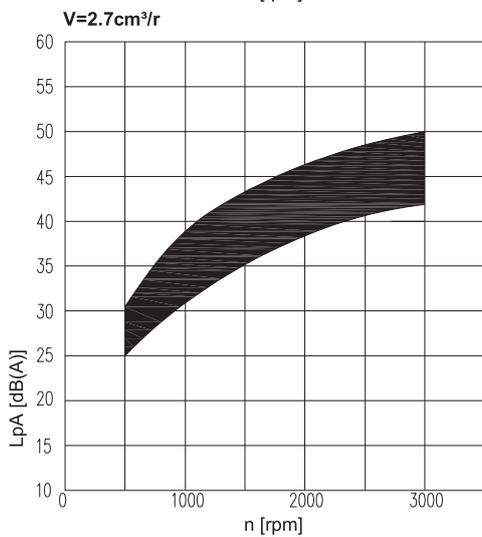
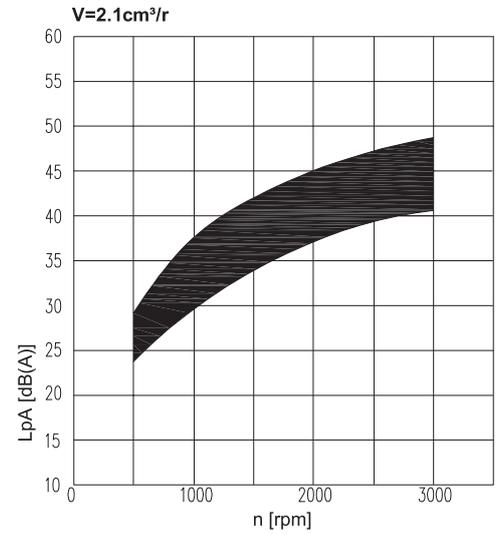
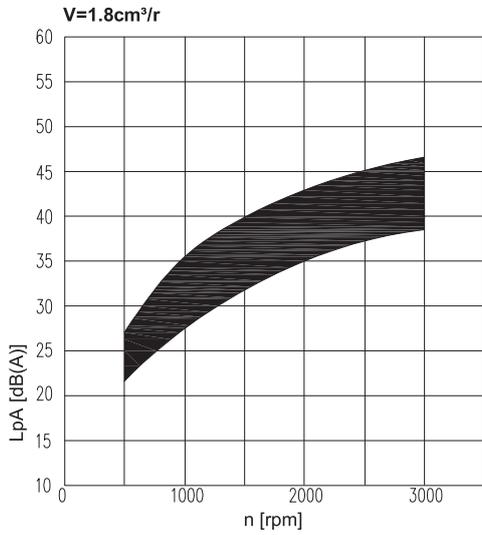
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



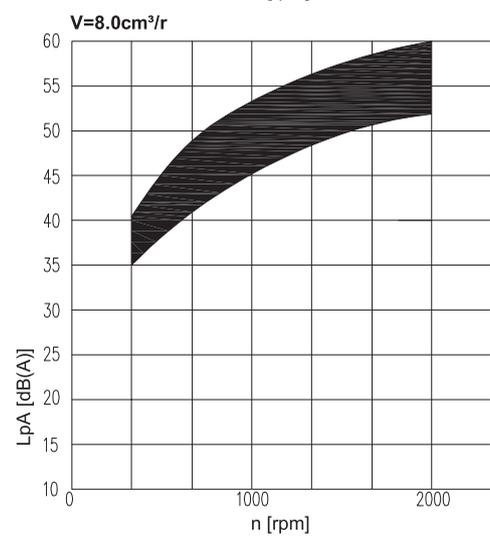
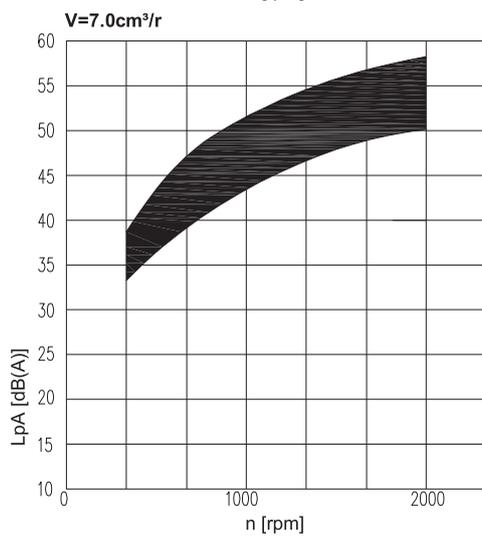
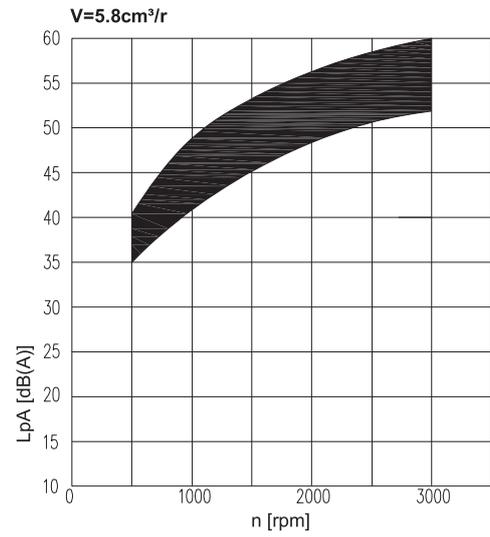
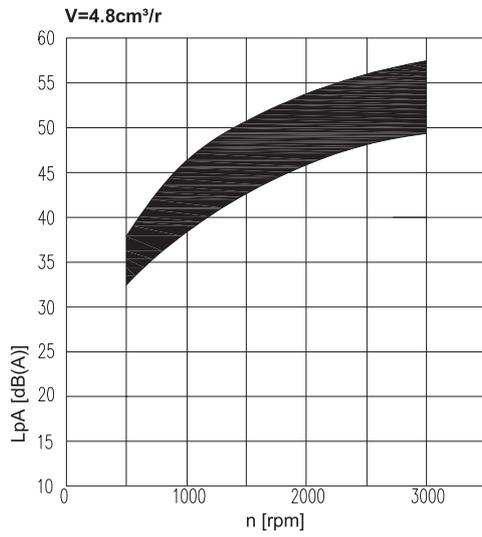
1系列/Group 1

1系列噪音曲线表/Group 1 Noise Curve Table



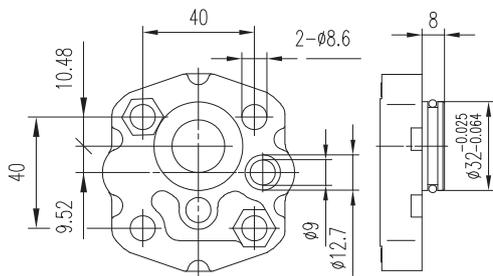
1系列/Group 1

1系列噪音曲线表/Group 1 Noise Curve Table

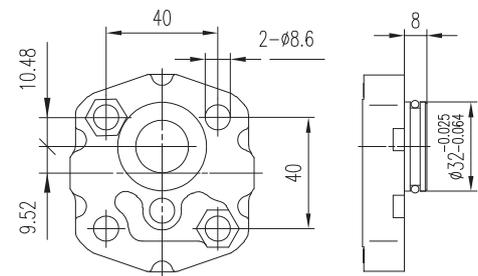


1系列/Group 1

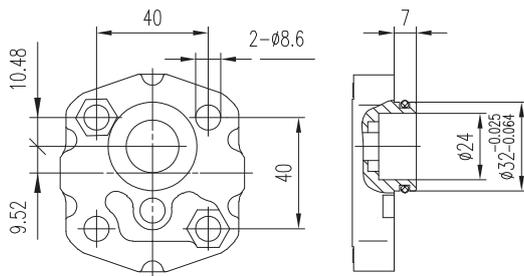
前盖/Front COVER



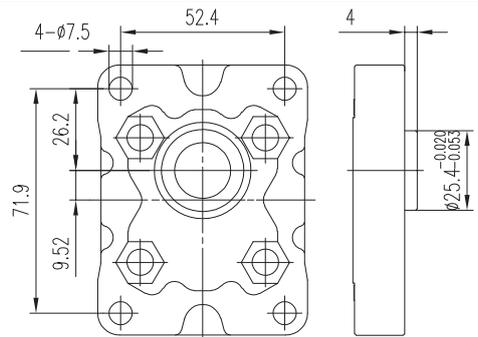
Q0



Q1

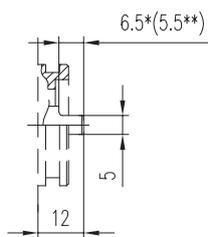


Q2



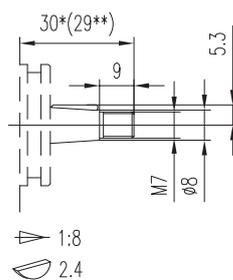
B0

轴伸/SHAFTS



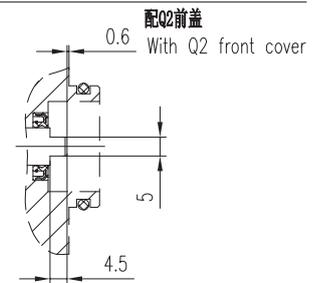
G0

最大扭矩
Max.Torque 20 Nm



T0

最大扭矩
Max.Torque 25 Nm



G1

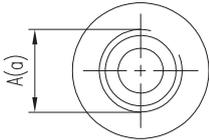
最大扭矩
Max.Torque 20 Nm

* 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 □

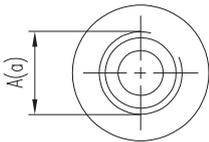
1系列/Group 1

泵体油口/PORTS



L2/L3

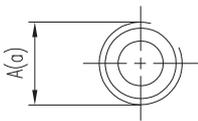
油口代号 PORTS CODE	排量 Displacement	进油口 INLET	出油口 OUTLET
	(cm ³ /rev)	A	a
L2	0.8...8.0	G3/8	G1/4
L3	0.8...8.0	G3/8	G3/8



O型圈密封
O-ring

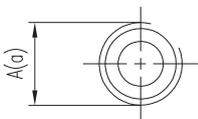
U0

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



Z0

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

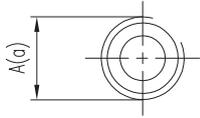


N1

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

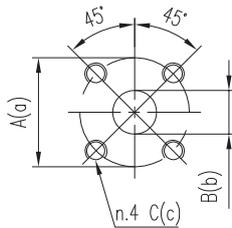
1系列/Group 1

泵体油口/PORTS



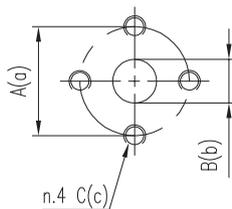
R0/R1

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

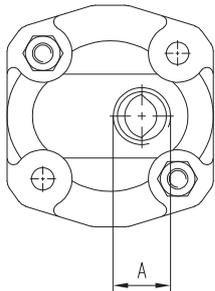


E0

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

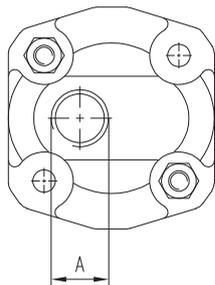
1系列/Group 1

特殊结构/SPECIAL STRUCTRE



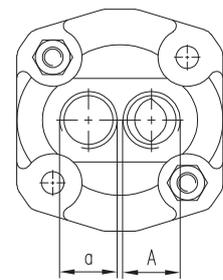
J

代号 CODE	进油口 INLET
	A
LJ1	G3/8
MJ1	M18X1.5
UJ1	9/16-18UNF



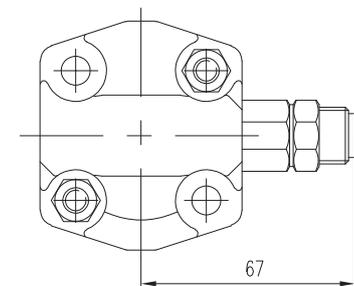
C

代号 CODE	出油口 OUTLET
	A
LC0	G1/4
MC0	M14X1.5
UC1	9/16-18UNF



L2/U0/Z0

代号 CODE	进油口 INLET	出油口 OUTLET
	A	α
L2	G3/8	G1/4
U0	3/4-16UNF	9/16-18UNF
Z0	M18X1.5	M14X1.5



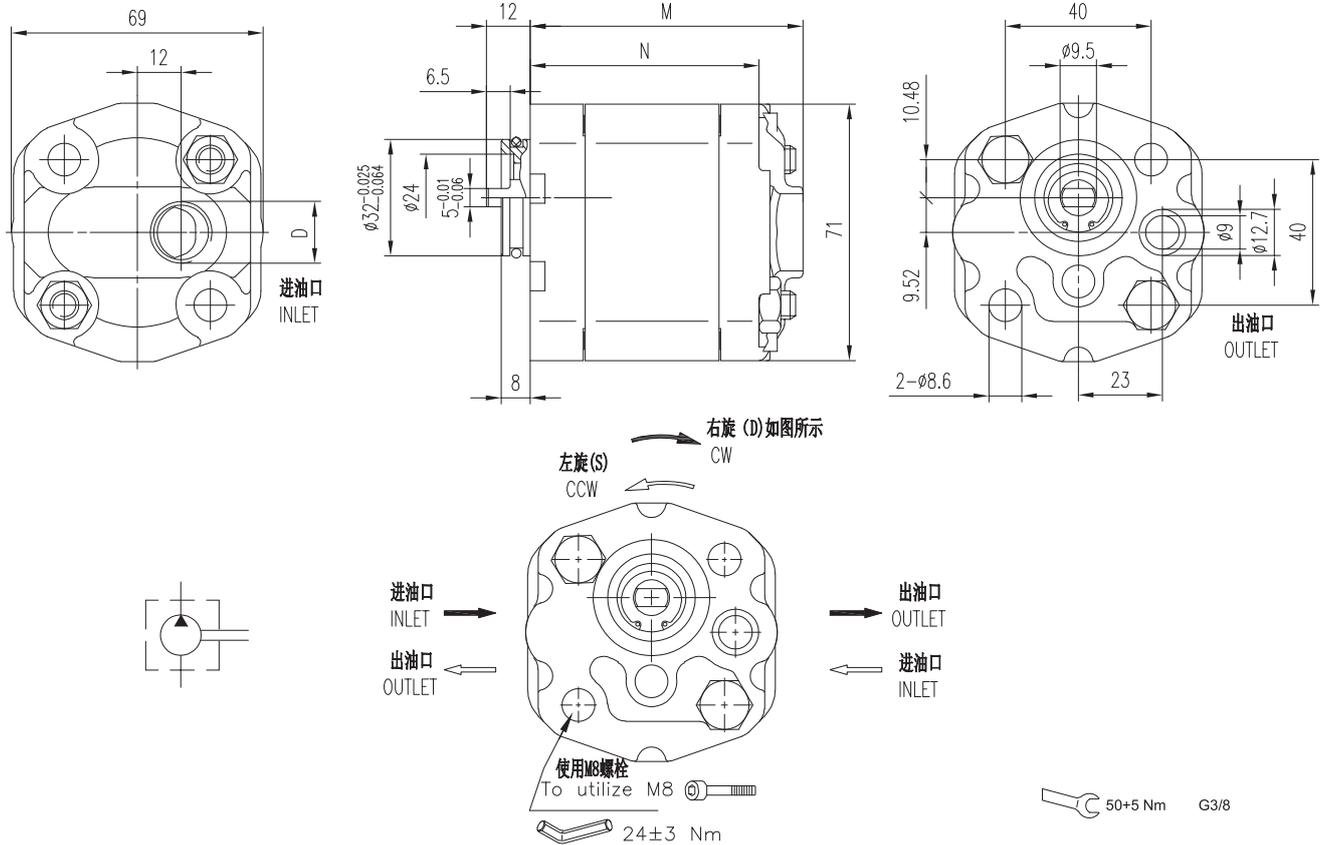
YF1

代号 CODE	压力 Pressure
	bar
YF1	25...180

1系列/Group 1

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

BKP1-Q0-D-0.8-G0-X-LJ1

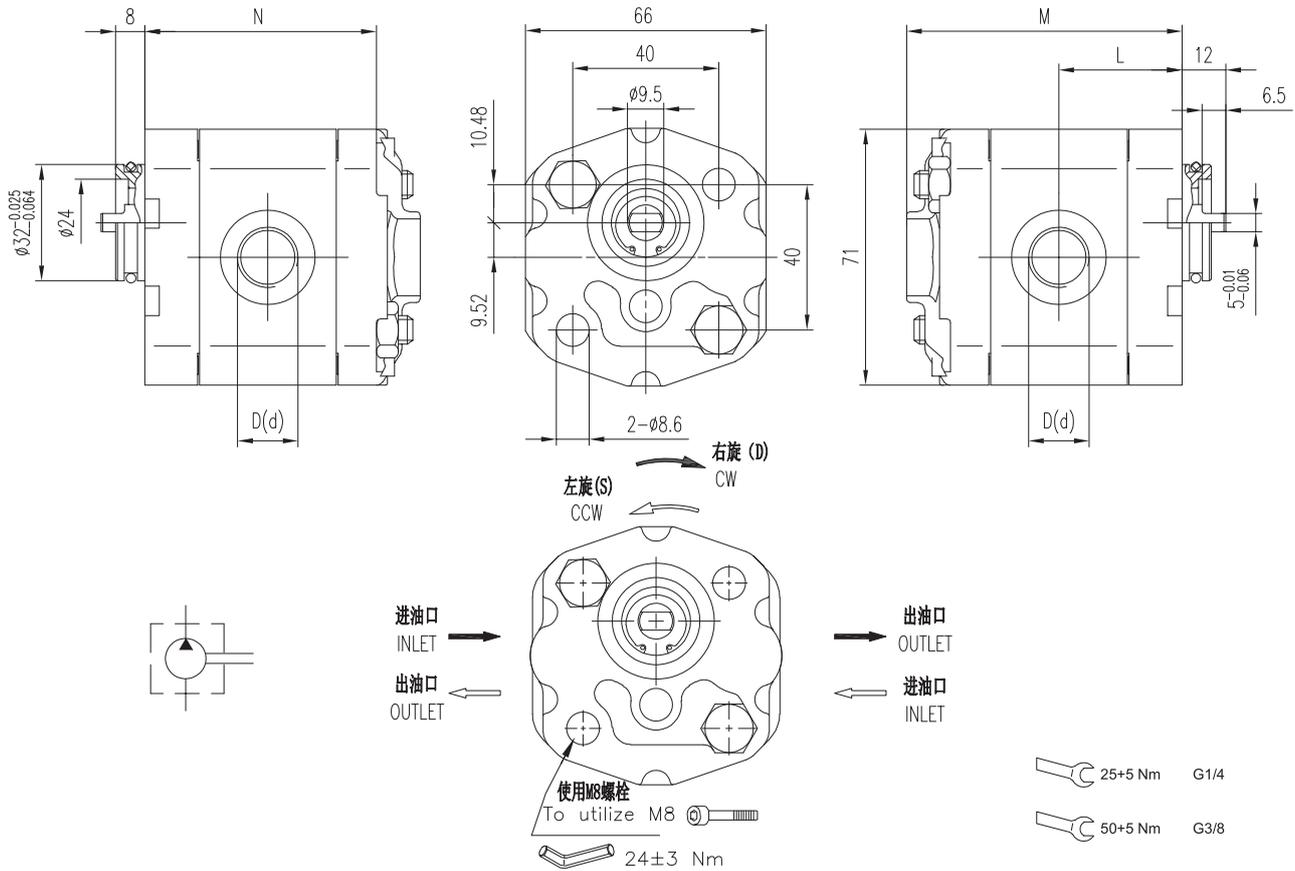


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	N		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D
0.8	230	250	270	6000	1000	0.76	73.5	61.5	LJ1	G3/8
1.1	230	250	270	6000	1000	0.77	74	62	LJ1	G3/8
1.3	230	250	270	6000	1000	0.78	75	63	LJ1	G3/8
1.6	230	250	270	6000	1000	0.79	76	64	LJ1	G3/8
1.8	230	250	270	6000	1000	0.81	77	65	LJ1	G3/8
2.1	230	250	270	6000	1000	0.82	78	66	LJ1	G3/8
2.7	230	250	270	6000	800	0.85	80	68	LJ1	G3/8
3.2	210	230	250	5000	800	0.87	82	70	LJ1	G3/8
3.7	210	230	250	4500	800	0.90	84	72	LJ1	G3/8
4.2	210	230	250	4000	800	0.93	86	74	LJ1	G3/8
4.8	190	210	230	3500	600	0.95	88	76	LJ1	G3/8
5.8	190	210	230	3000	600	1.02	92	80	LJ1	G3/8
7.0	160	180	200	2500	600	1.07	96	84	LJ1	G3/8
8.0	160	180	200	2100	600	1.13	100	88	LJ1	G3/8

1系列/Group 1

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

BKP1-Q1-D-0.8-G0-L2

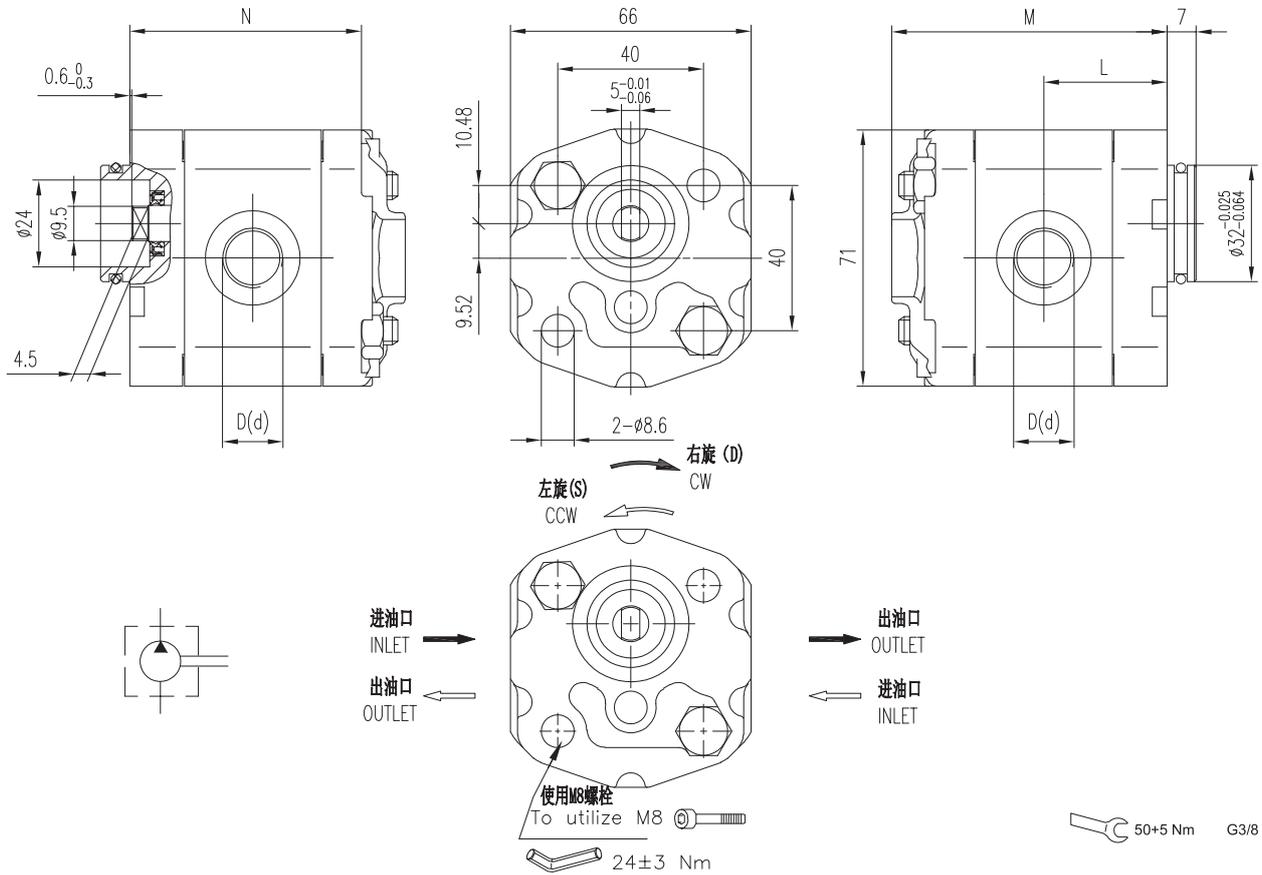


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	6000	1000	0.76	73.5	61.5	32.8	L2	G3/8	G1/4
1.1	230	250	270	6000	1000	0.77	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

BKP1-Q2-**D**-0.8-G1-L3

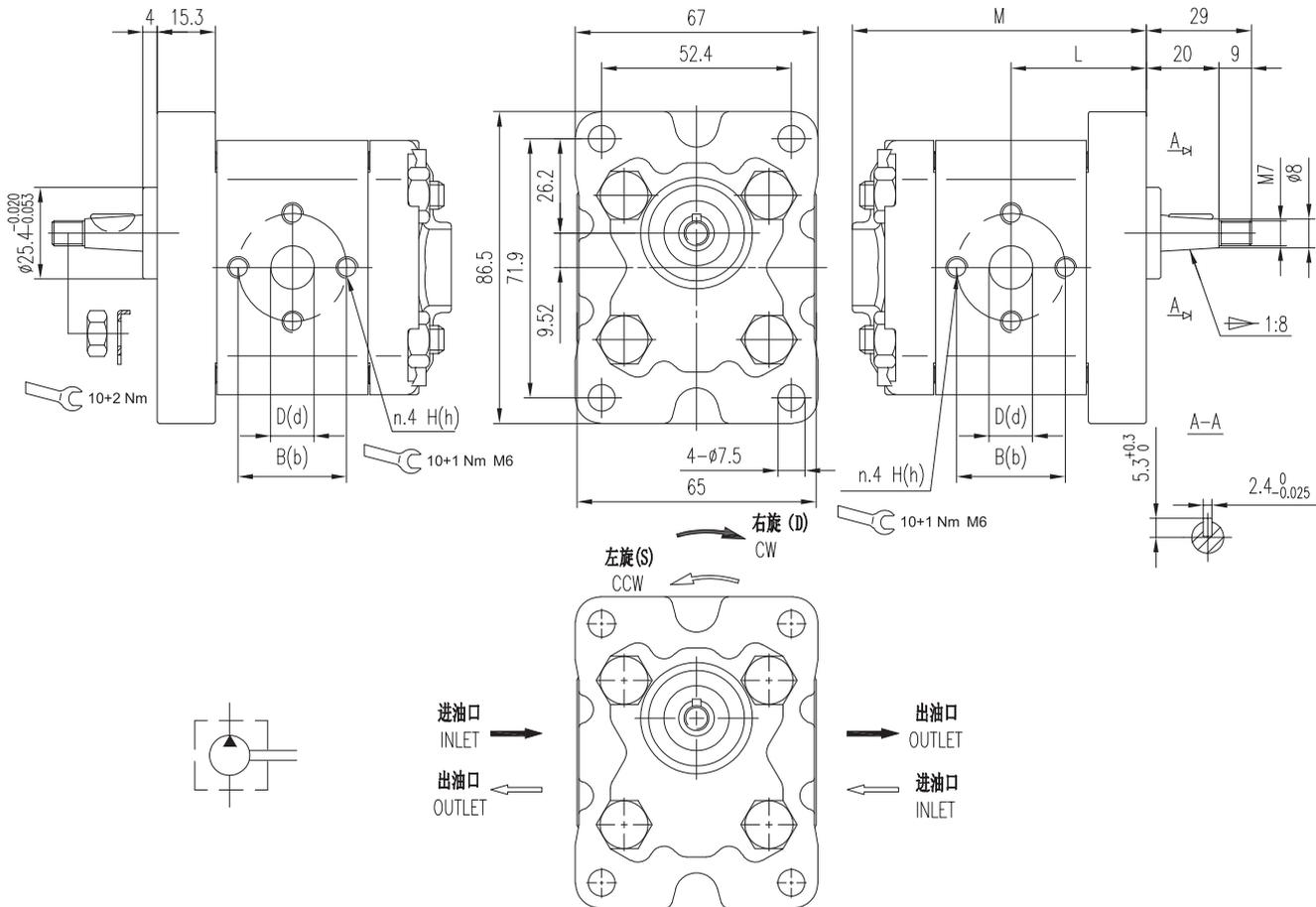


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	6000	1000	0.76	73.5	61.5	32.8	L3	G3/8	G3/8
1.1	230	250	270	6000	1000	0.77	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

BKP1-B0-D-0.8-T0-E0

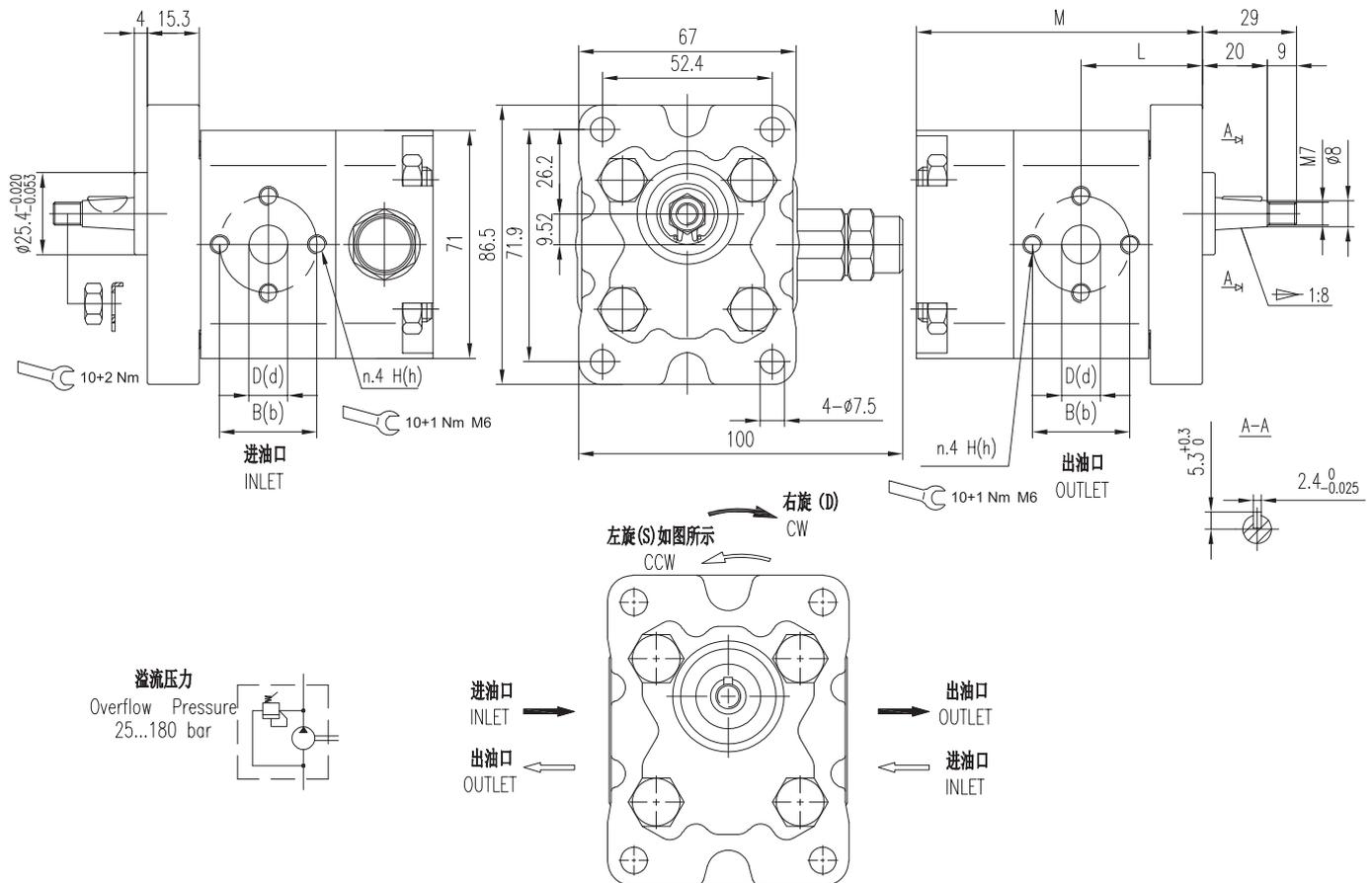


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
0.8	230	250	270	6000	1000	0.86	74.5	33.8	E0	30	12	M6	30	12	M6
1.1	230	250	270	6000	1000	0.88	75	34	E0	30	12	M6	30	12	M6
1.3	230	250	270	6000	1000	0.90	76	34.5	E0	30	12	M6	30	12	M6
1.6	230	250	270	6000	1000	0.92	77	35	E0	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

BKP1-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	E0	30	12	M6	30	12	M6
1.1	230	250	270	6000	1000	0.88	84	34	E0	30	12	M6	30	12	M6
1.3	230	250	270	6000	1000	0.90	85	34.5	E0	30	12	M6	30	12	M6
1.6	230	250	270	6000	1000	0.92	86	35	E0	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

1.2系列/Group 1.2

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

B	A	P	1.2B	Q5	D	0.8	G1	L3	省略/omit	省略/omit	省略/omit
博顿 Boden	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	1.2B系列 Group 1.2B 1.2F系列 Group 1.2F		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								可选项 Options V 省略-温度范围在-10℃~+80℃, 进出口最高绝对压力为5bar. 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℃. 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 适用于进出口最大绝对压力为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	
1.2B系列/Group 1.2B				1.2B系列/Group 1.2B			
Q5 方形前盖 (止口 $\phi 45.2$) Square front cover (centering $\phi 45.2$ mm)		G1 扁平轴 Tang shaft		Z 公制螺纹 (M) Metric thread		省略-默认普通 omit-regular	
		G8 扁平轴 Tang shaft		L 英制管螺纹 (G) Gas thread			
详见 51 页 See page 51 for details				U 美制管螺纹 (UNF-2B) UNF thread			
				R 英制锥螺纹 (PT) PT thread			
1.2F系列/Group 1.2F				1.2F系列/Group 1.2F			
Q0 方形前盖 (止口 $\phi 32$) Square front cover (centering $\phi 32$ mm)		G0 扁平轴 Tang shaft		X 泵体无油口 Body without ports		省略-默认普通 omit-regular	
		G4 扁平轴 Tang shaft				J 后盖带进油口 Back cover with inlet	
详见 51 页 See page 51 for details						Q 后盖带泄油口 Back cover with oil drain	
				详见 51-52 页 See page 51-52 for details			详见 52 页 See page 52 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	53	54	55

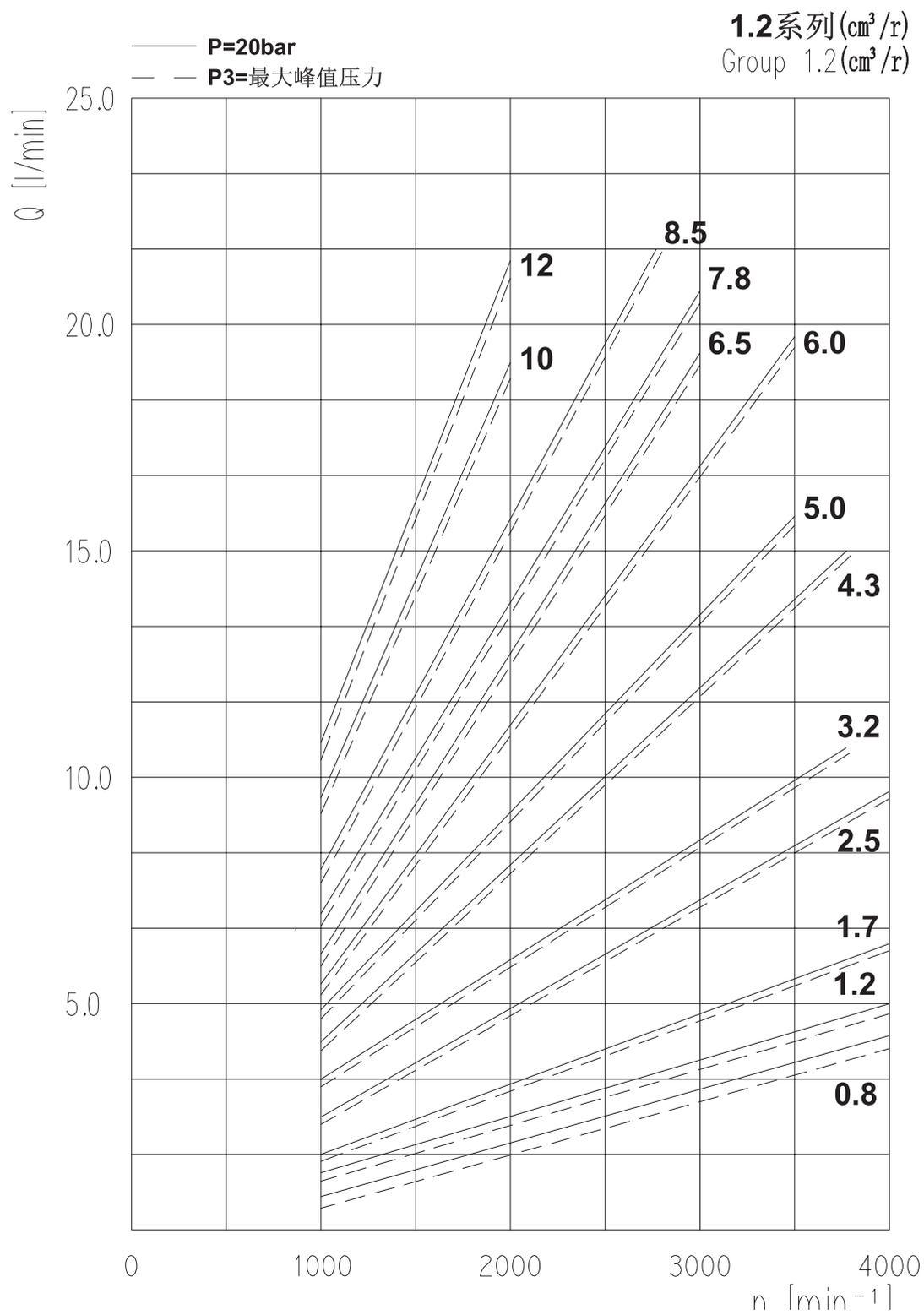
型式 type	
页码 page	56

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	Ω_{\min}	r/min	800			700					500				
最高转速 Max. speed	Ω_{\max}		4000			3800			3500		3000		2800	2000	
容积效率 Volumetric efficiency	η_v	%	≥90		≥91			≥92					≥93	≥94	

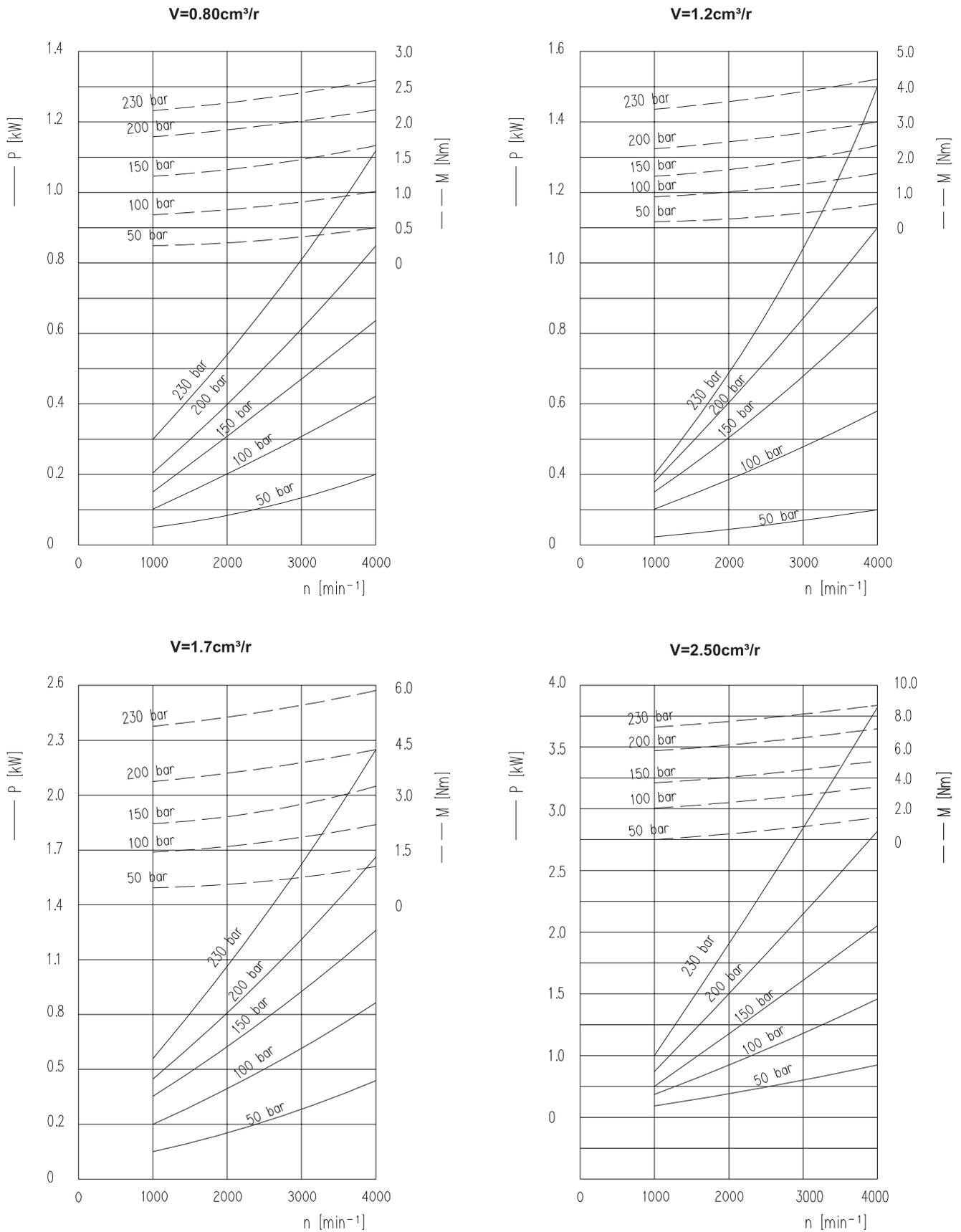
1.2系列/Group 1.2

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



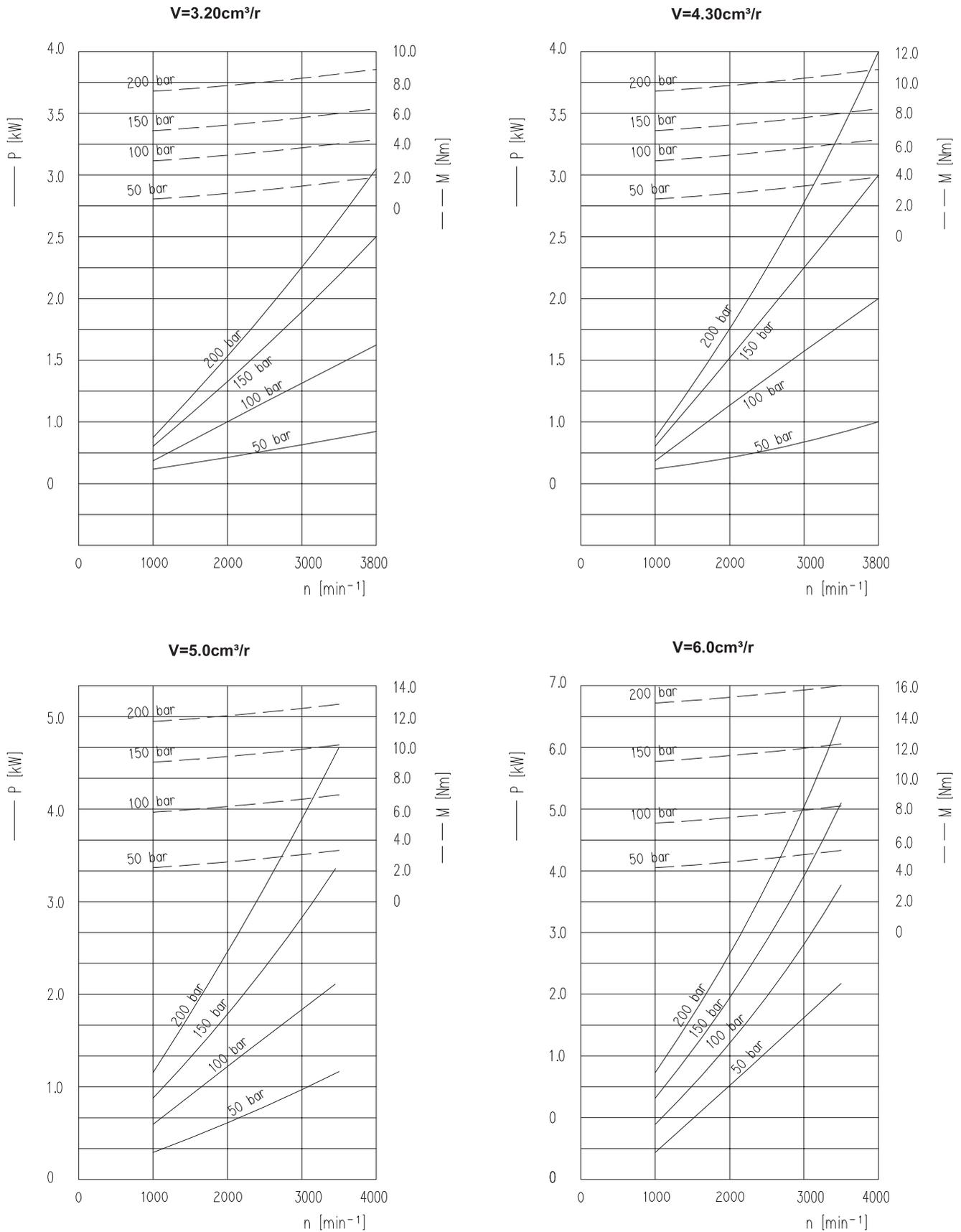
1.2系列/Group 1.2

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



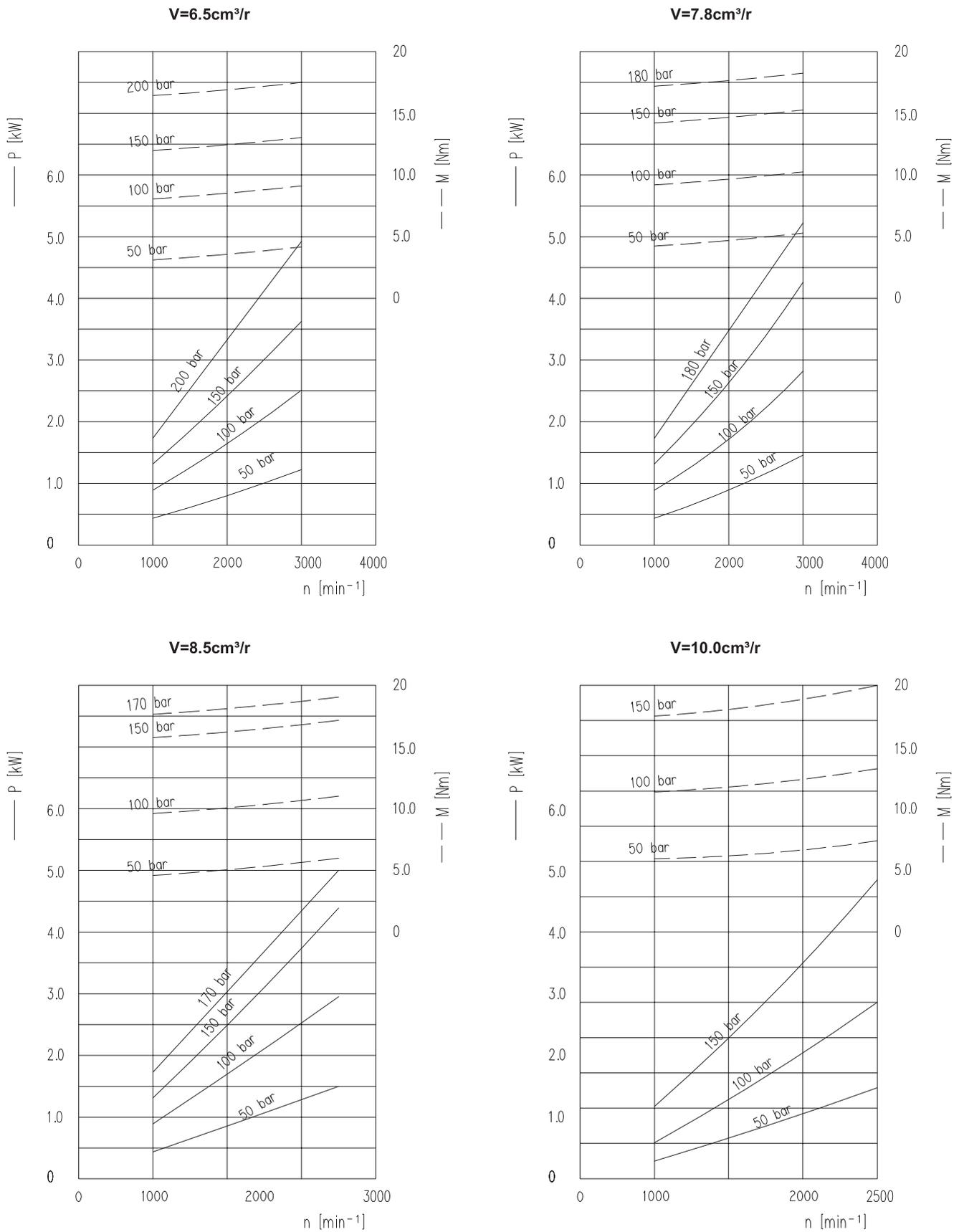
1.2系列/Group 1.2

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



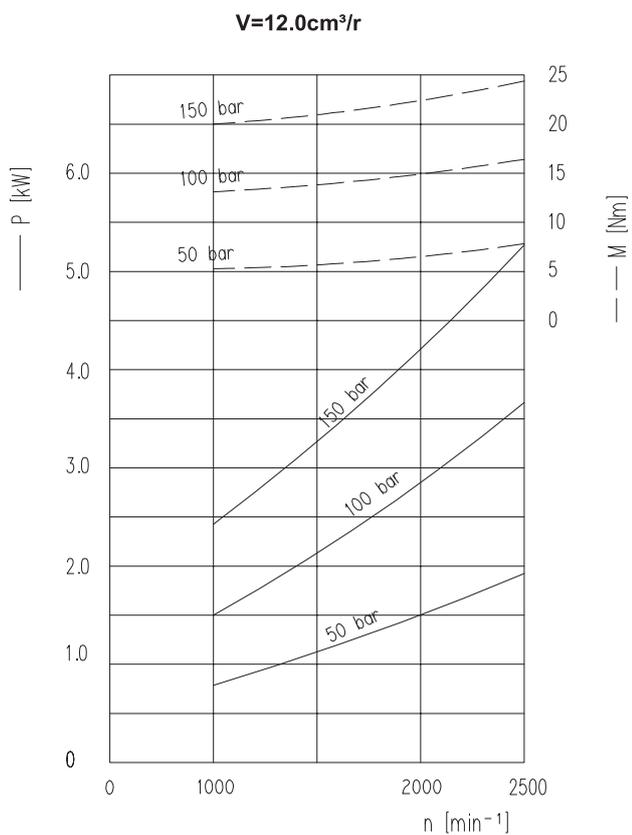
1.2系列/Group 1.2

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

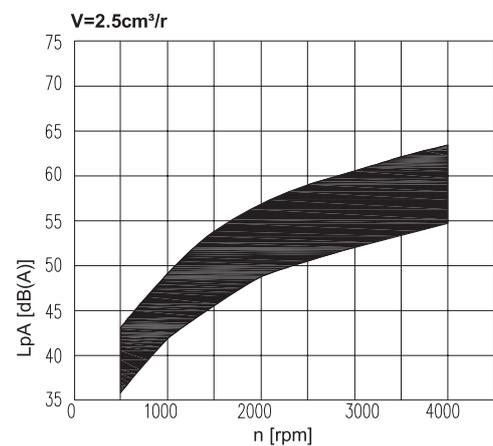
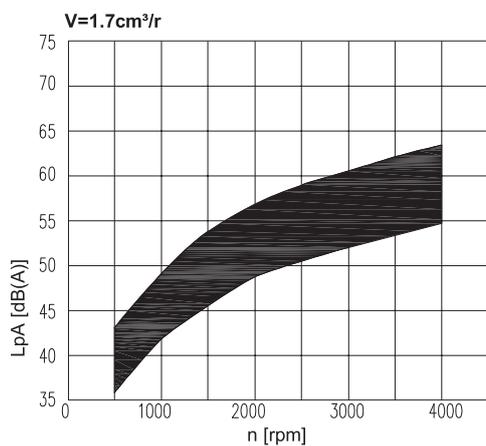
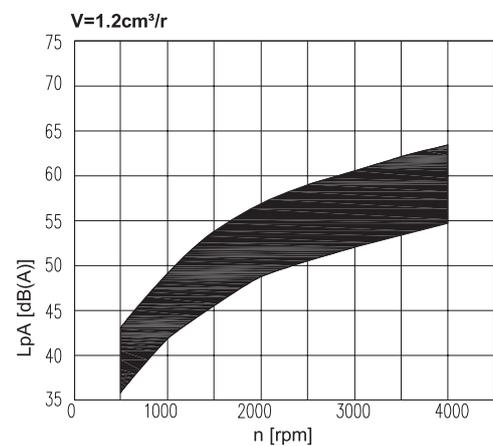
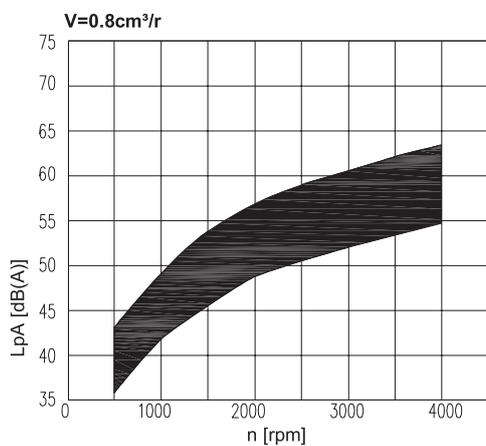
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

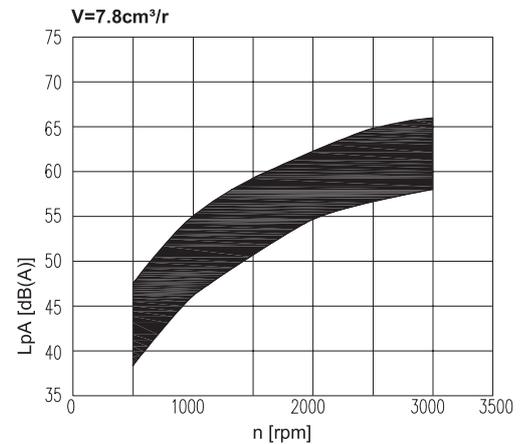
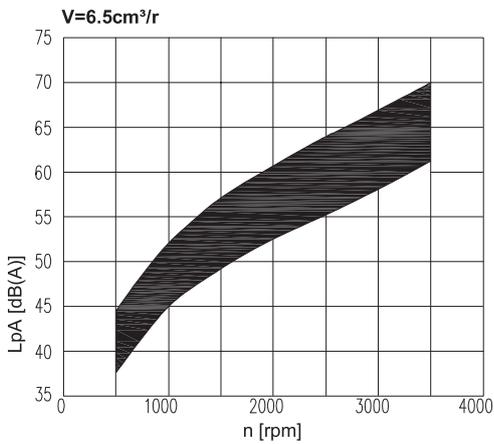
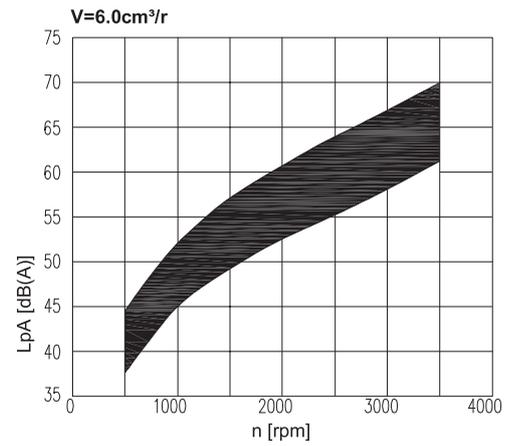
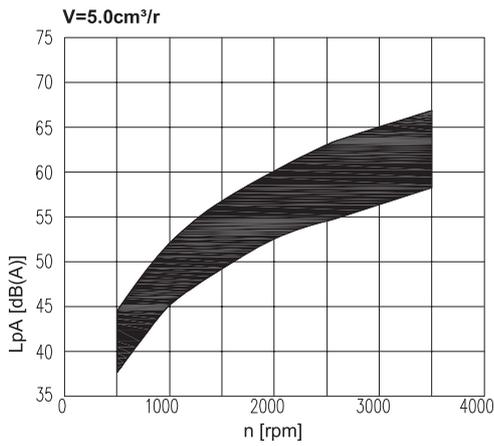
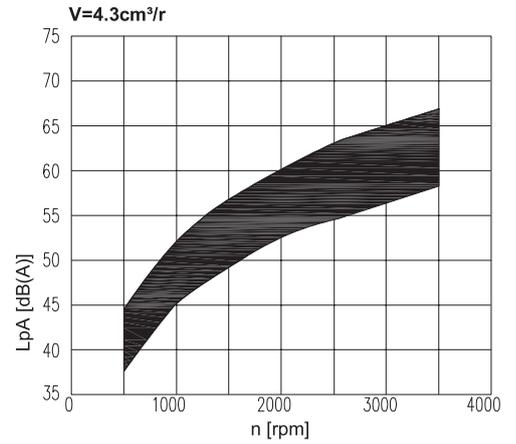
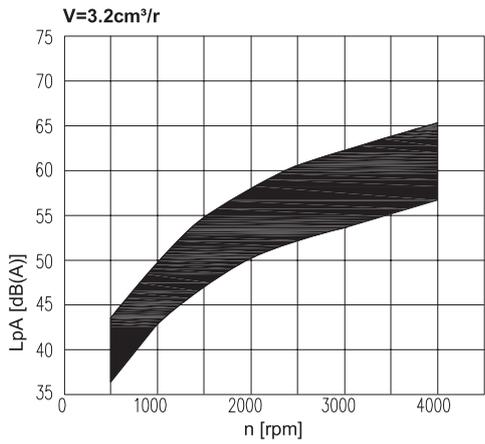
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



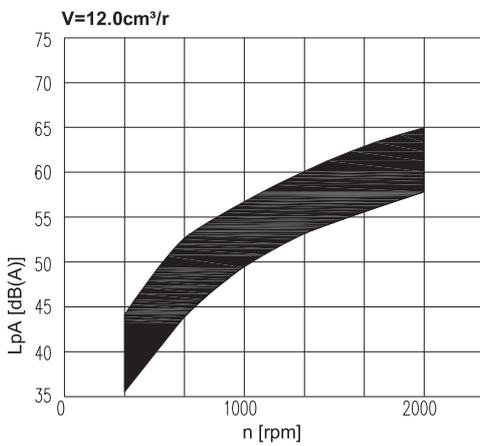
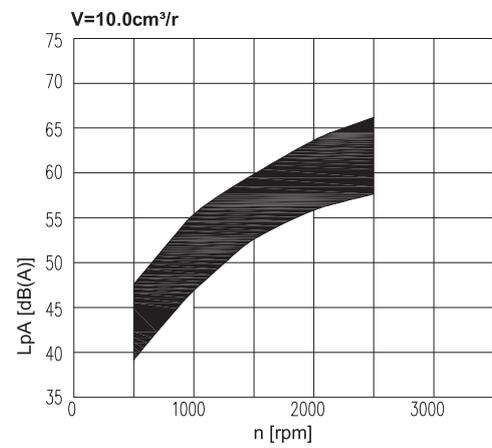
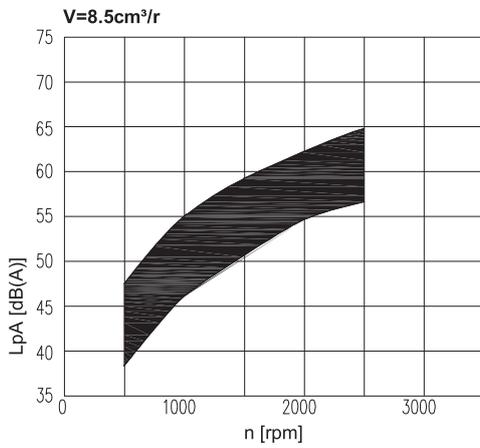
1.2系列/Group 1.2

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



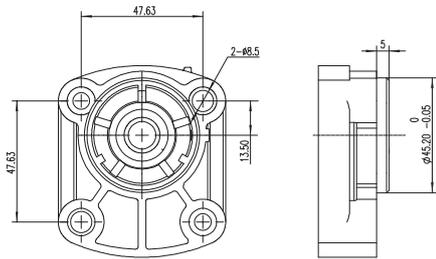
1.2系列/Group 1.2

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

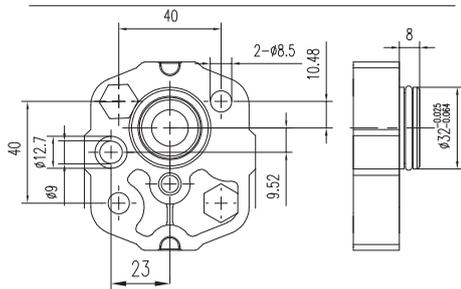


1.2系列/Group 1.2

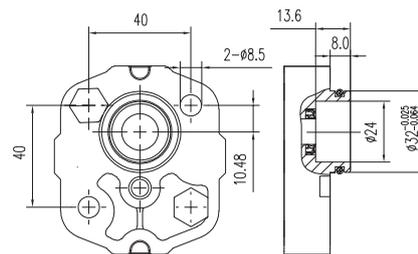
前盖/Front COVER



BAP1.2B Q5

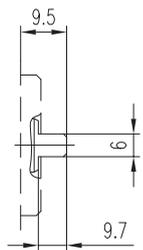


BAP1.2F Q0



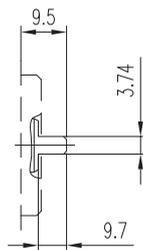
BAP1.2F Q2

轴伸/SHAFTS



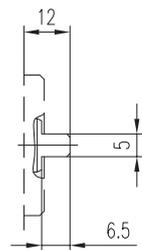
BAP1.2B G1

最大扭矩
Max.Torque 30 Nm



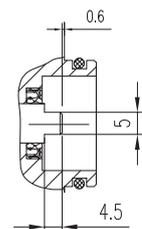
BAP1.2B G8

最大扭矩
Max.Torque 20 Nm



BAP1.2F G0

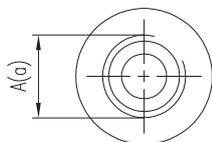
最大扭矩
Max.Torque 25 Nm



BAP1.2F G4

最大扭矩
Max.Torque 25 Nm

泵体油口/PORTS

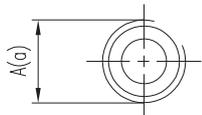


L1/L2/L3

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

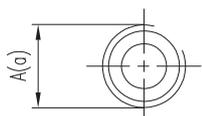
1.2系列/Group 1.2

泵体油口/PORTS



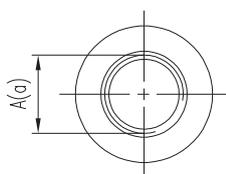
R0

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



Z1/Z3/Z5

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

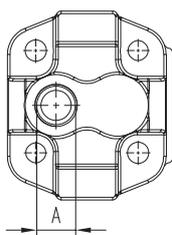


O型圈密封
O-ring

U0

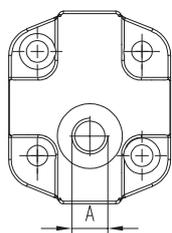
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
U0	0.8...12	7/8-14 UNF	3/4-16 UNF

特殊结构/SPECIAL STRUCTRE



J

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



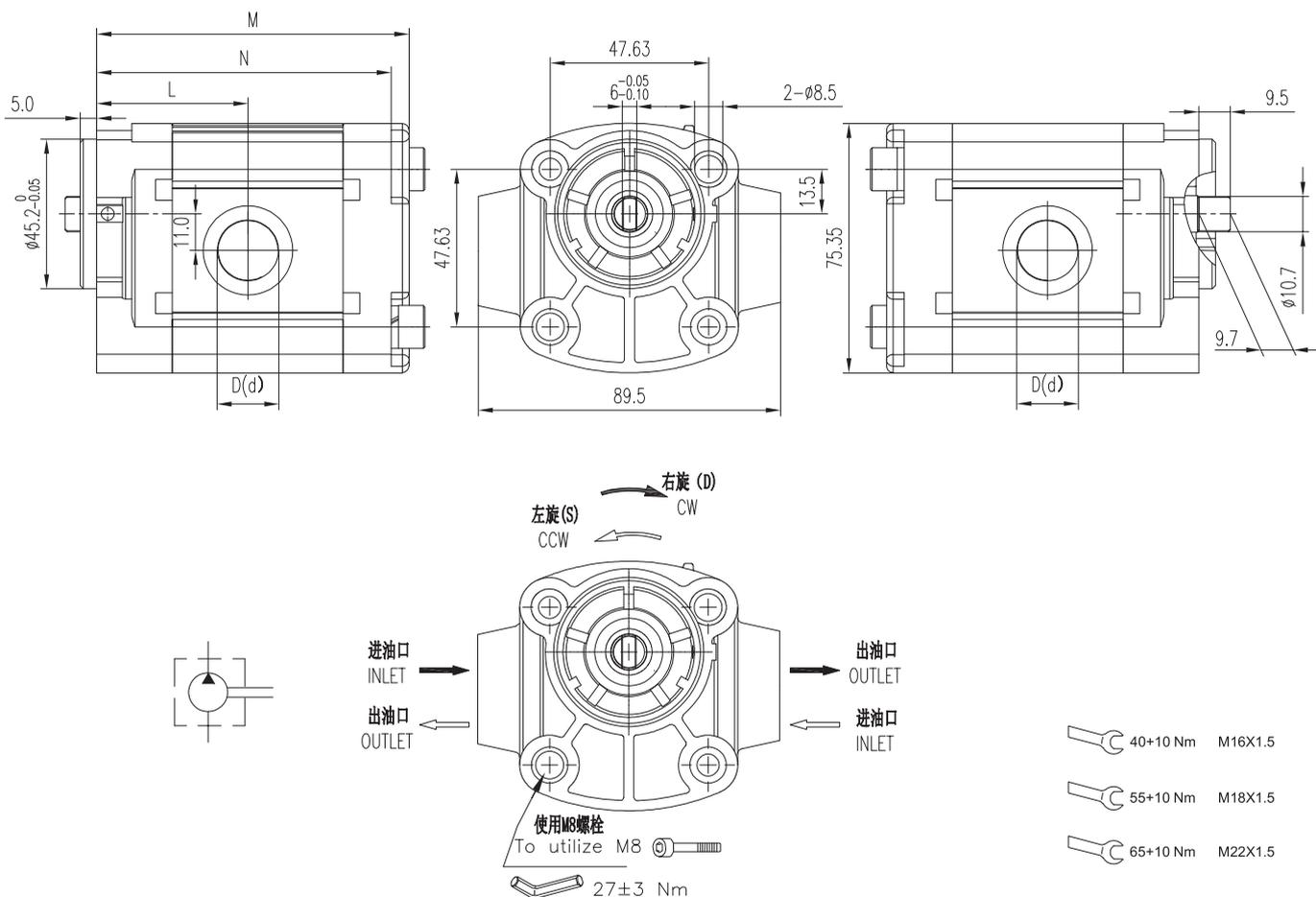
Q1

代号 CODE	泄油口 oil drain
Q1	G1/4

1.2系列/Group 1.2

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

BAP1.2B-Q5-D-0.8-G1-Z3

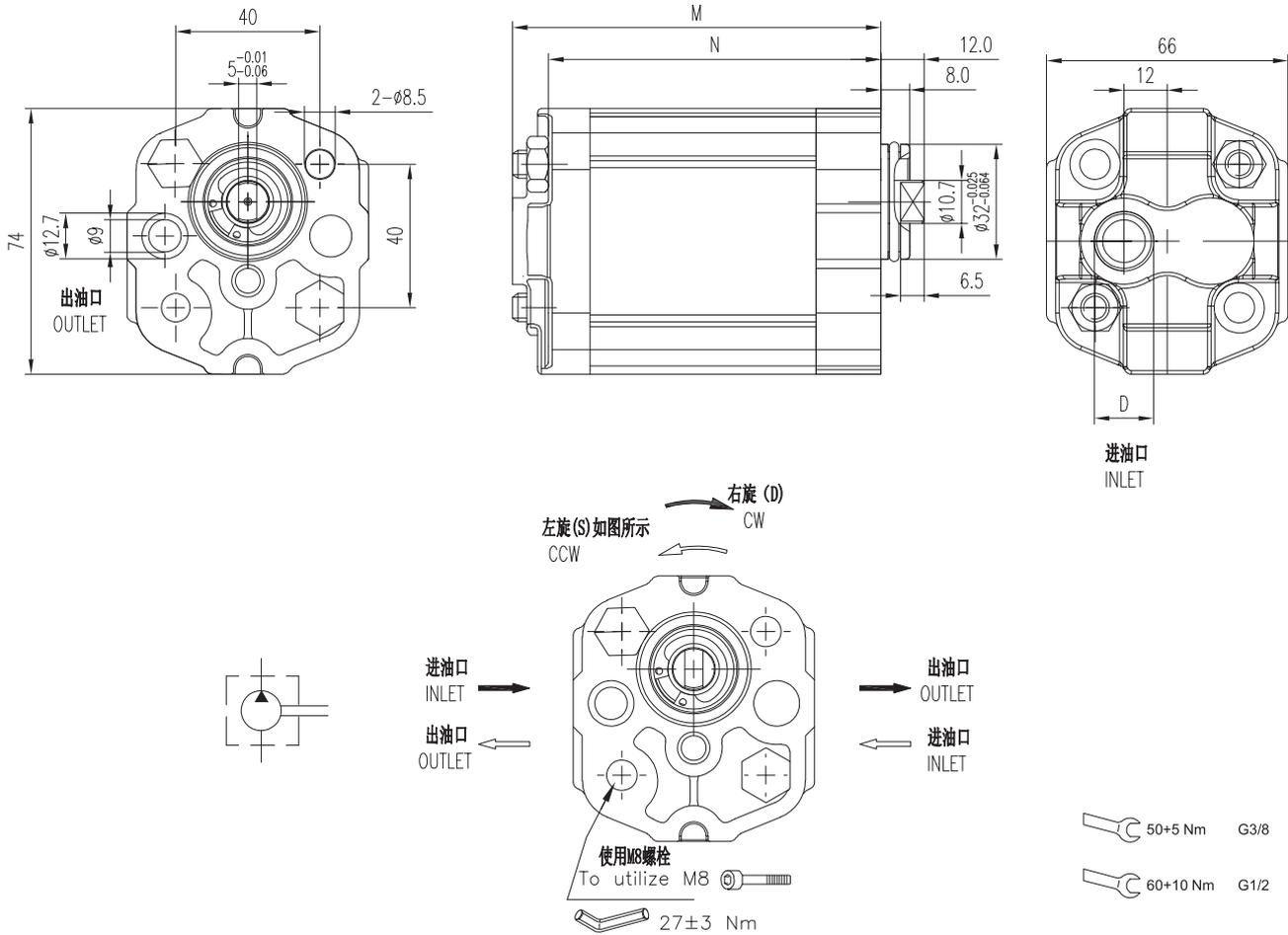


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口	出油口
	P1	P2	P3				D	d				
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	M	N	L			
0.8	230	250	270	4000	800	1.0	84	78.7	43.5	Z3	M16X1.5	M16X1.5
1.2	230	250	270	4000	800	1.05	85.6	80.3	44.3	Z3	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

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

BAP1.2F-Q0-S-0.8-G0-X-LJ1

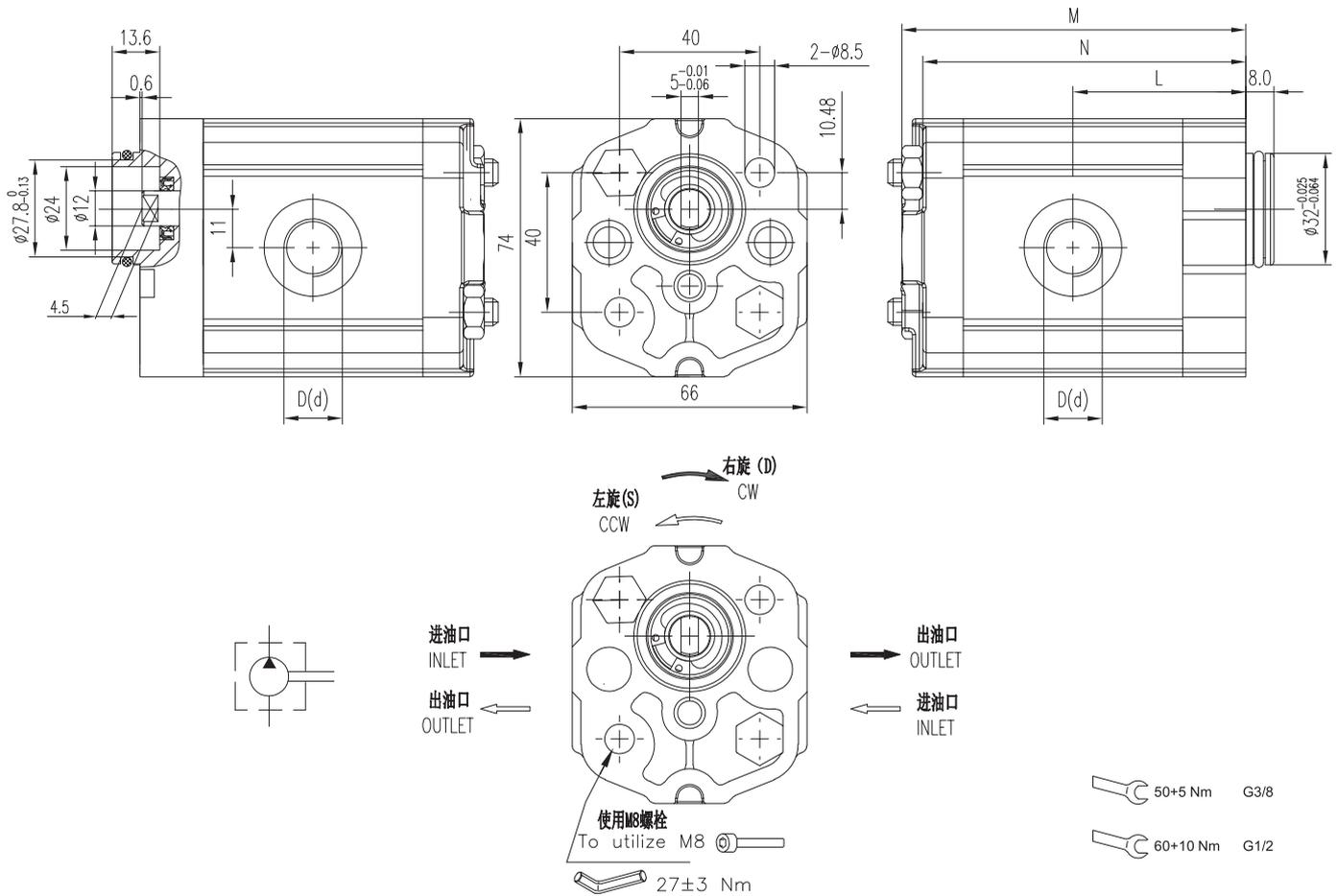


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	N		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		
0.8	230	250	270	4000	800	3.35	81.5	74.5	LJ1	G3/8
1.2	230	250	270	4000	800	3.4	83.1	76.1	LJ1	G3/8
1.7	230	250	270	4000	800	3.5	85.1	78.1	LJ1	G3/8
2.5	230	250	270	4000	800	3.6	88.4	81.4	LJ1	G3/8
3.2	210	230	250	3800	700	3.7	91.5	84.5	LJ1	G3/8
4.3	210	230	250	3800	700	3.8	96.3	89.3	LJ1	G3/8
5.0	210	230	250	3500	700	3.9	99.3	92.3	LJ1	G3/8
6.0	200	220	240	3500	700	4.0	102.8	95.8	LJ1	G3/8
6.5	200	220	240	3000	700	4.1	105.3	98.3	LJ2	G1/2
7.8	180	200	220	3000	500	4.2	110.9	103.9	LJ2	G1/2
8.5	170	190	210	2800	500	4.3	113.1	106.1	LJ2	G1/2
10	150	175	190	2000	500	4.2	120.1	113.1	LJ2	G1/2
12	150	175	190	2000	500	4.3	128.1	121.1	LJ2	G1/2

1.2系列/Group 1.2

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

BAP1.2F-Q2-D-0.8-G4-L1

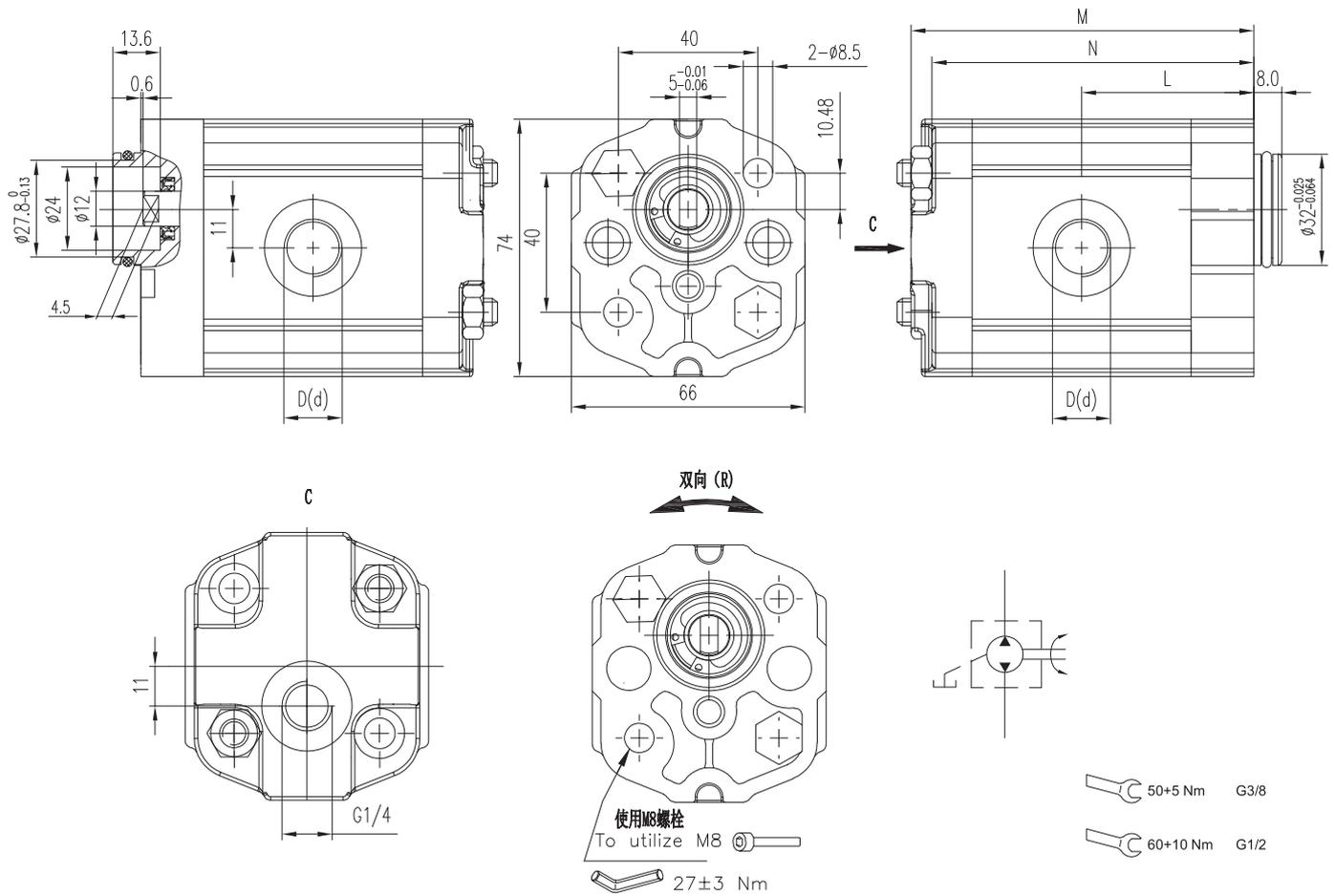


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.8	230	250	270	4000	800	3.35	81.5	74.5	38.8	L1	G3/8	G3/8
1.2	230	250	270	4000	800	3.4	83.1	76.1	39.6	L1	G3/8	G3/8
1.7	230	250	270	4000	800	3.5	85.1	78.1	40.6	L1	G3/8	G3/8
2.5	230	250	270	4000	800	3.6	88.4	81.4	42.2	L1	G3/8	G3/8
3.2	210	230	250	3800	700	3.7	91.5	84.5	43.8	L1	G3/8	G3/8
4.3	210	230	250	3800	700	3.8	96.3	89.3	46.2	L2	G1/2	G3/8
5.0	210	230	250	3500	700	3.9	99.3	92.3	47.7	L2	G1/2	G3/8
6.0	200	220	240	3500	700	4.0	102.8	95.8	49.5	L2	G1/2	G3/8
6.5	200	220	240	3000	700	4.1	105.3	98.3	50.7	L2	G1/2	G3/8
7.8	180	200	220	3000	500	4.2	110.9	103.9	53.5	L2	G1/2	G3/8
8.5	170	190	210	2800	500	4.3	113.1	106.1	54.6	L3	G1/2	G1/2
10	150	175	190	2000	500	4.2	120.1	113.1	58.1	L3	G1/2	G1/2
12	150	175	190	2000	500	4.3	128.1	121.1	62.1	L3	G1/2	G1/2

1.2系列/Group 1.2

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

BAP1.2F-Q2-R-0.8-G4-L1-Q1



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 bar	P2 bar	P3 bar				M mm	N mm	L mm		D	d
0.8	230	250	270	4000	800	3.35	81.5	74.5	38.8	L1	G3/8	G3/8
1.2	230	250	270	4000	800	3.4	83.1	76.1	39.6	L1	G3/8	G3/8
1.7	230	250	270	4000	800	3.5	85.1	78.1	40.6	L1	G3/8	G3/8
2.5	230	250	270	4000	800	3.6	88.4	81.4	42.2	L1	G3/8	G3/8
3.2	210	230	250	3800	700	3.7	91.5	84.5	43.8	L1	G3/8	G3/8
4.3	210	230	250	3800	700	3.8	96.3	89.3	46.2	L3	G1/2	G1/2
5.0	210	230	250	3500	700	3.9	99.3	92.3	47.7	L3	G1/2	G1/2
6.0	200	220	240	3500	700	4.0	102.8	95.8	49.5	L3	G1/2	G1/2
6.5	200	220	240	3000	700	4.1	105.3	98.3	50.7	L3	G1/2	G1/2
7.8	180	200	220	3000	500	4.2	110.9	103.9	53.5	L3	G1/2	G1/2
8.5	170	190	210	2800	500	4.3	113.1	106.1	54.6	L3	G1/2	G1/2
10	150	175	190	2000	500	4.2	120.1	113.1	58.1	L3	G1/2	G1/2
12	150	175	190	2000	500	4.3	128.1	121.1	62.1	L3	G1/2	G1/2

1.25系列/Group 1.25

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

B	A	P	1.25	B0	D	1.4	T0	E0	省略/omit	省略/omit	省略/omit
博顿 Boden	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	1.25 1.25系列 Group 1.25		D 顺时针转 Clockwise S 逆时针转 Counter clockwise R 可正反转 Reversible	1.4 2.1 2.8 3.5 4.1 5.2 6.2 7.6 9.3 11.0 13.8					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 V 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. 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℃ and +120℃. 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℃ and +80℃. 适用于溢油口最大绝对压力为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 $\phi 50.8$) Diamond front cover (centering $\phi 50.8\text{mm}$) 	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
B0 方形前盖 (止口 $\phi 30$) Square front cover (centering $\phi 30\text{mm}$) 	C0 平键轴 Straight keyed 	Z 公制螺纹 (M) Metric thread 	Q 后盖带泄油口 Back cover with oil drain
Q0 方形前盖 (止口 $\phi 45.24$) Square front cover (centering $\phi 45.24\text{mm}$) 	C1 半圆键轴 Semi-circular key shaft 	L 英制管螺纹 (G) Gas thread 	
	G0 扁平轴 Tang shaft 	U 美制管螺纹 (UNF-2B) UNF thread 	
	S0 SAE花键轴 SAE spline shaft DP20/40-30'-9T 	R 英制锥螺纹 (PT) PT thread 	
	C0 平键轴 Straight keyed 配Q0前盖 With Q0 front cover 	N 美制锥螺纹 (NPT) NPT thread 	
	G1 扁平轴 Tang shaft 配Q0前盖 With Q0 front cover 	X 泵体无油口 Body without ports 	
	S1 SAE花键轴 SAE spline shaft DP20/40-30'-9T 配Q0前盖 With Q0 front cover 详见 65 页 See page 65 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.

1.25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	68	69	70

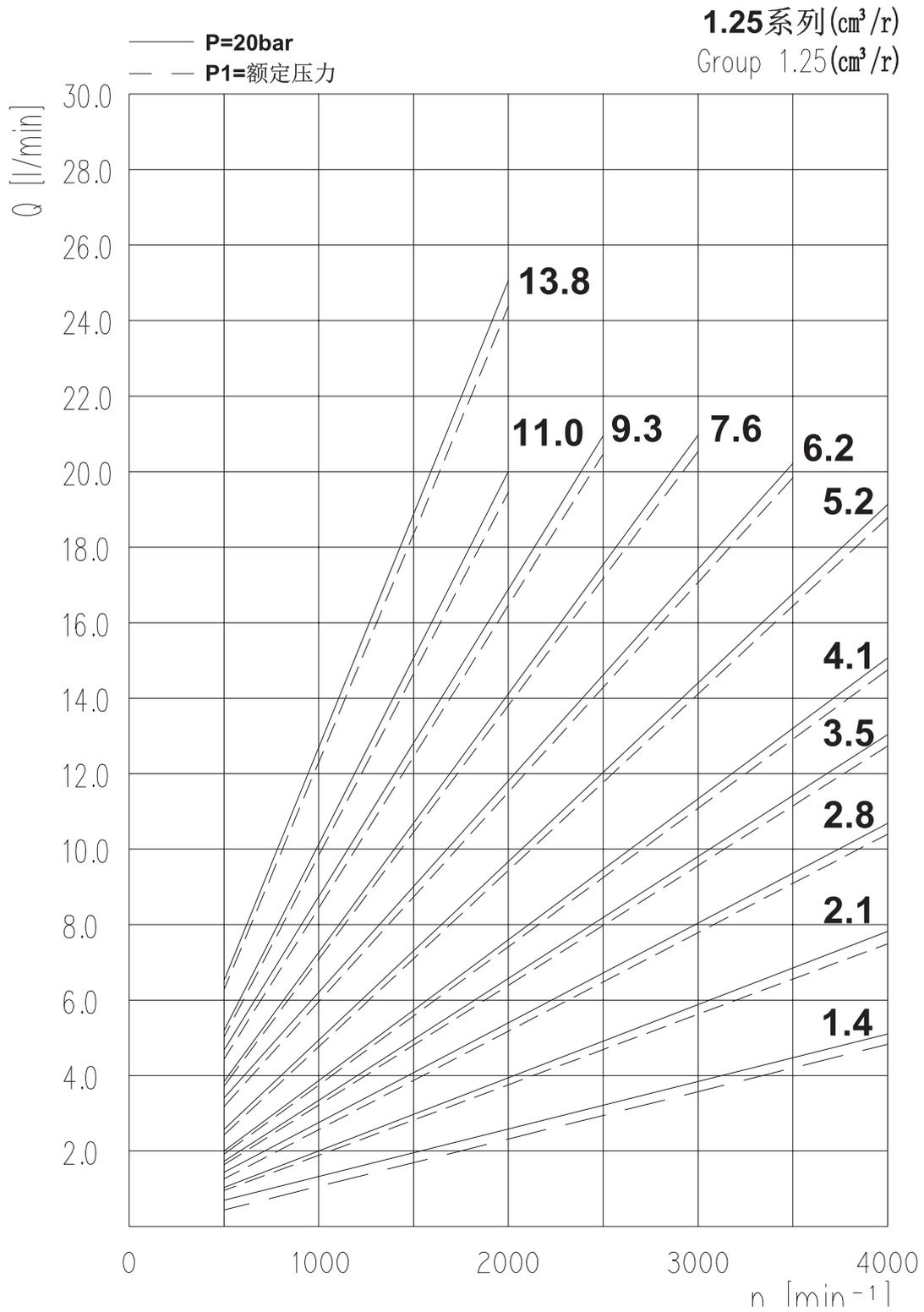
型式 type	
页码 page	71

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	

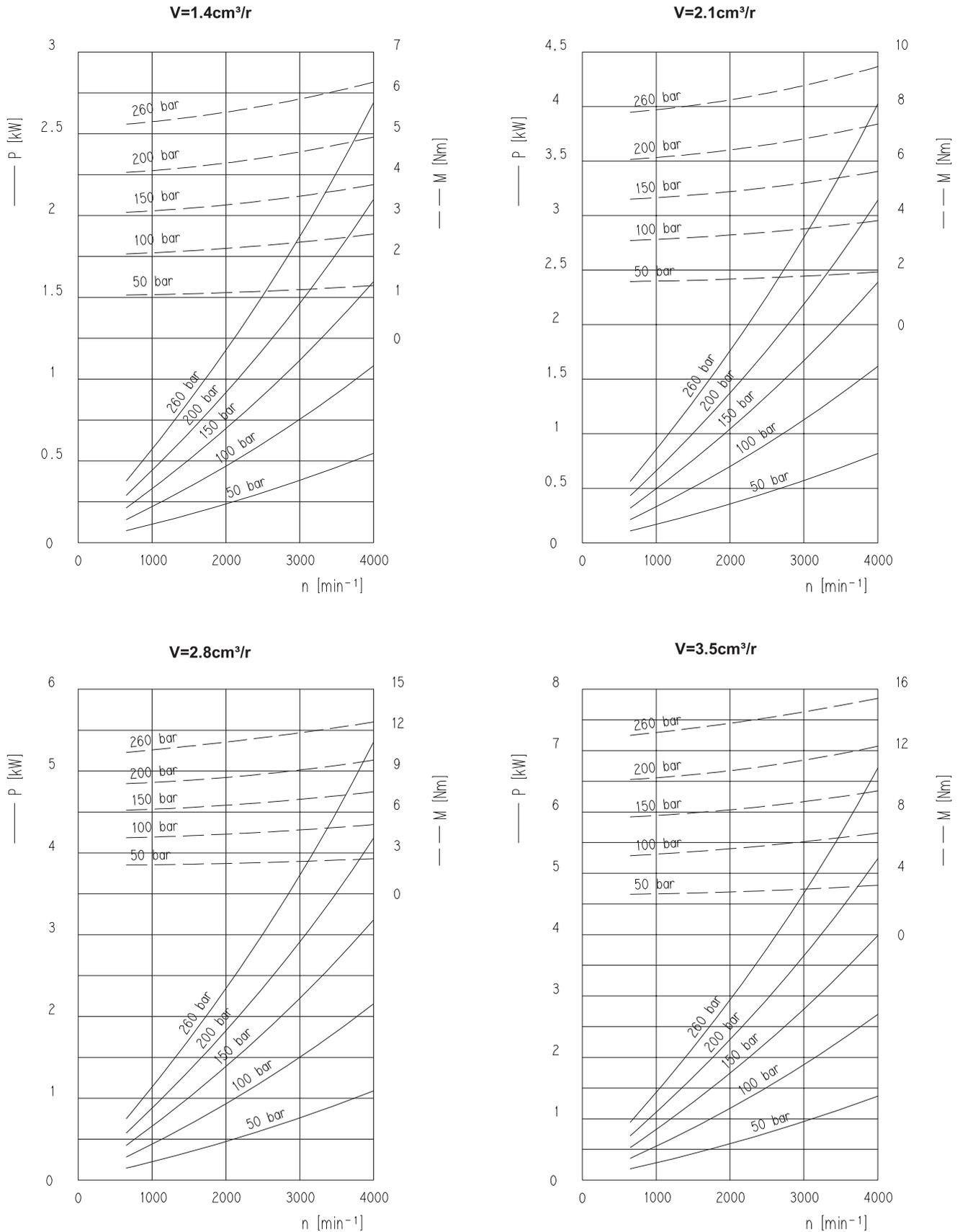
1.25系列/Group 1.25

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



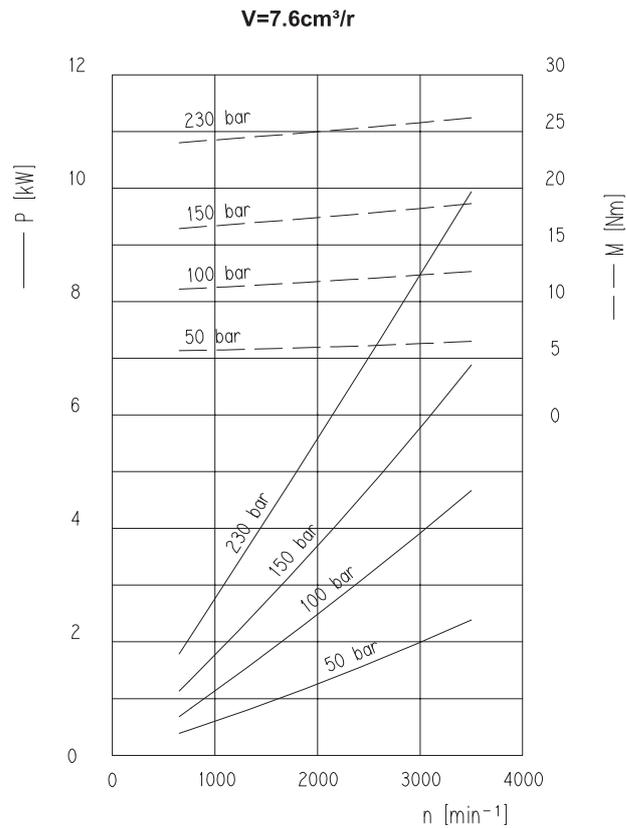
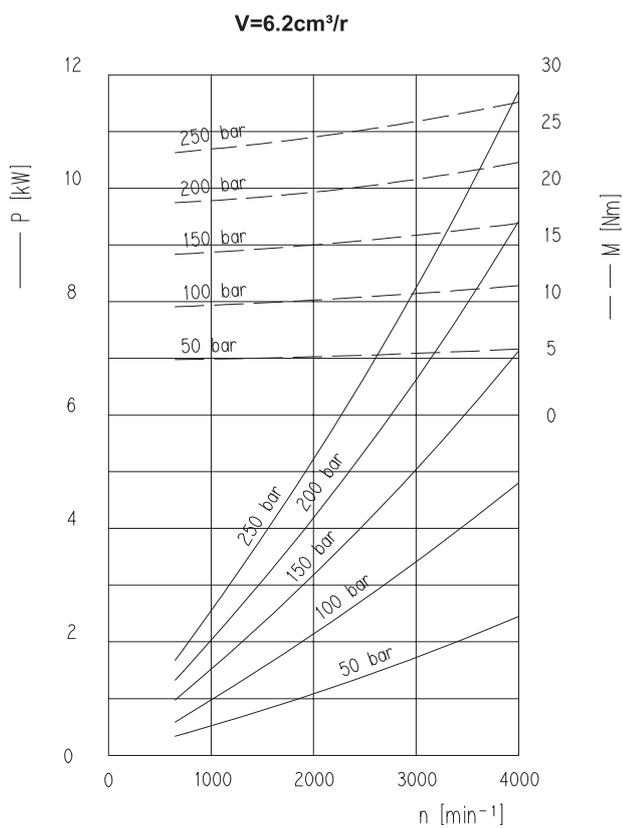
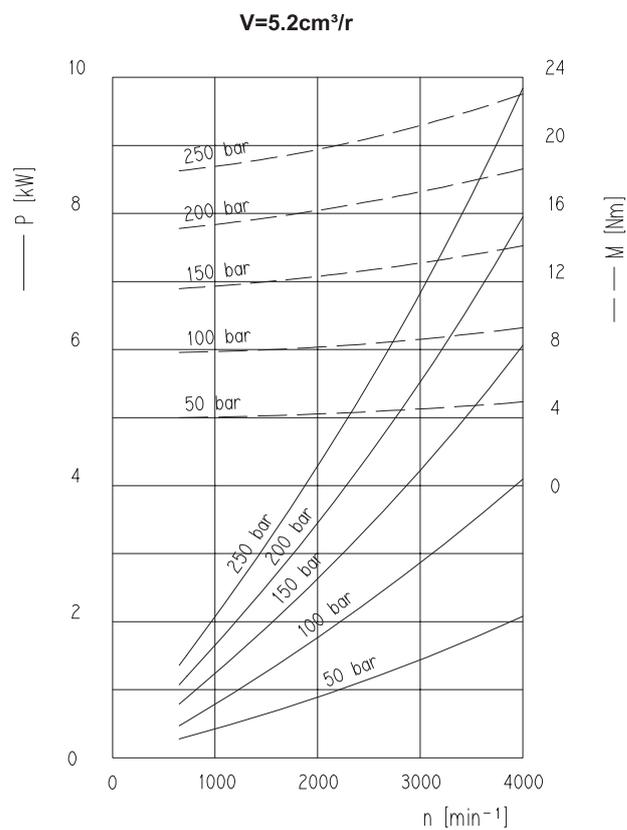
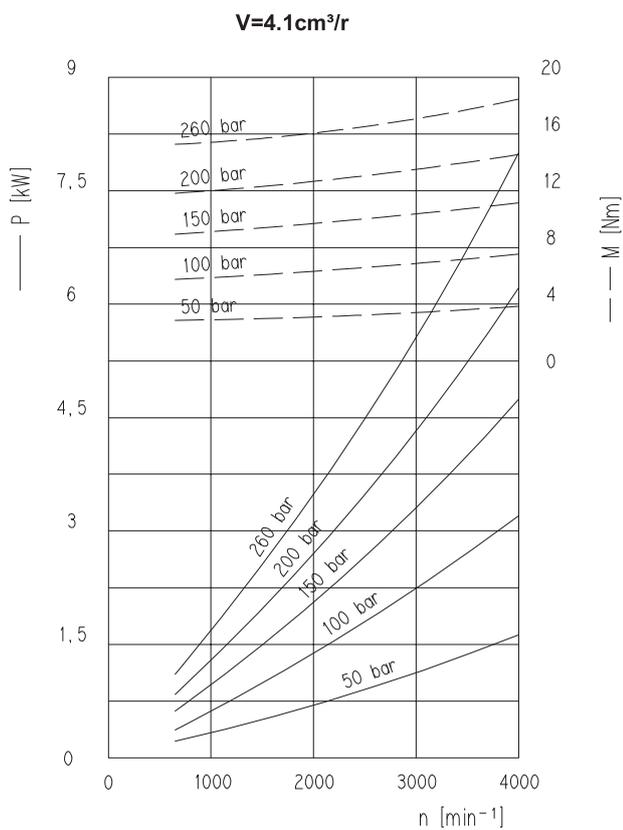
1.25系列/Group 1.25

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



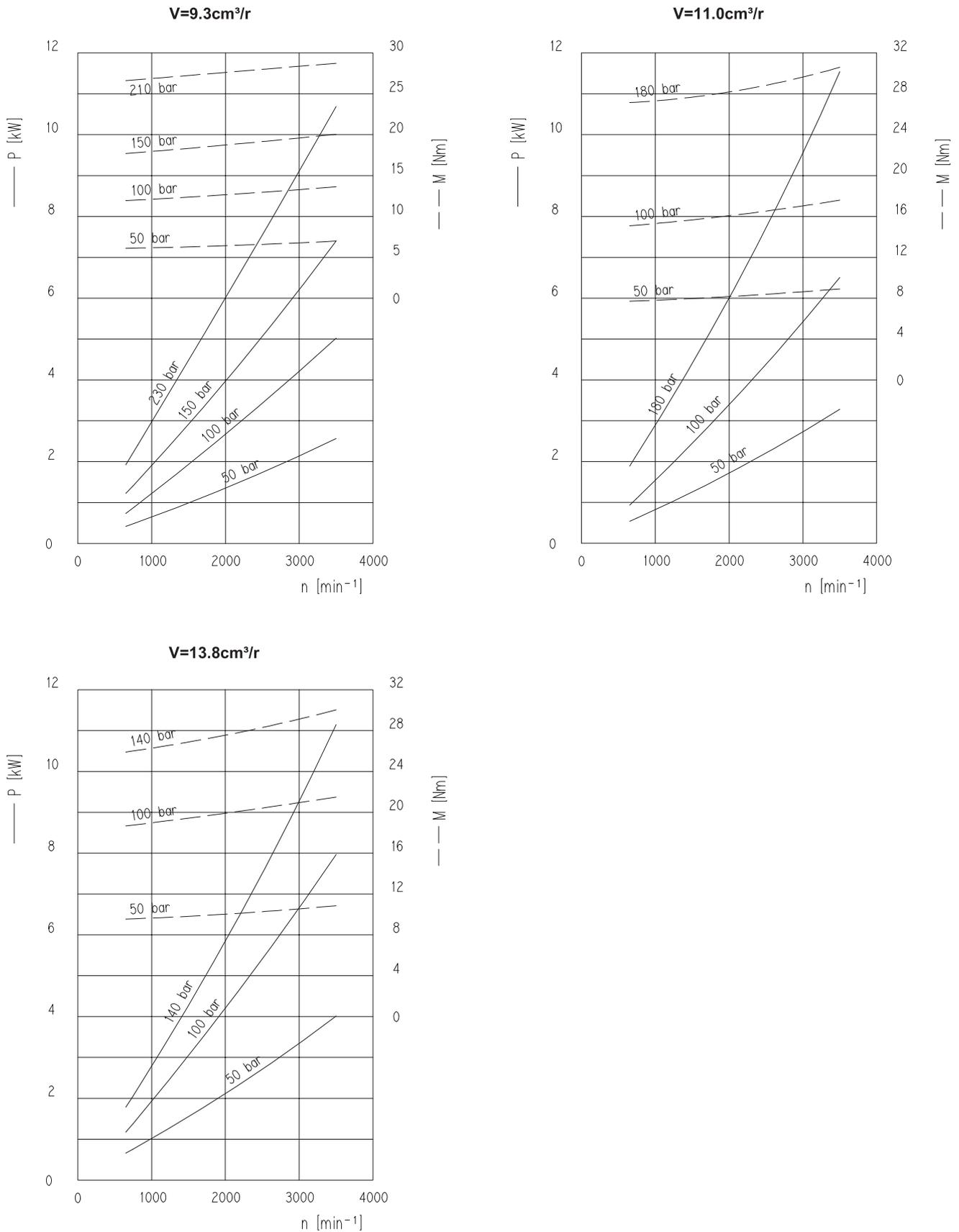
1.25系列/Group 1.25

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.

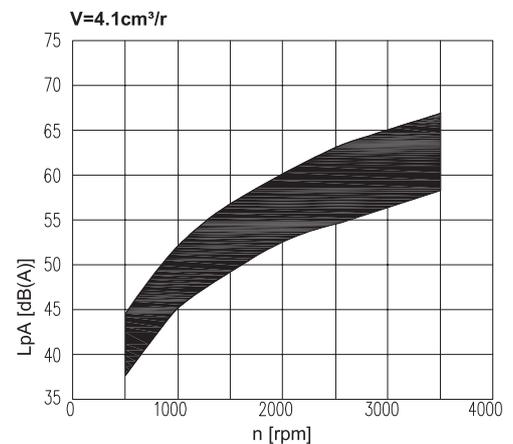
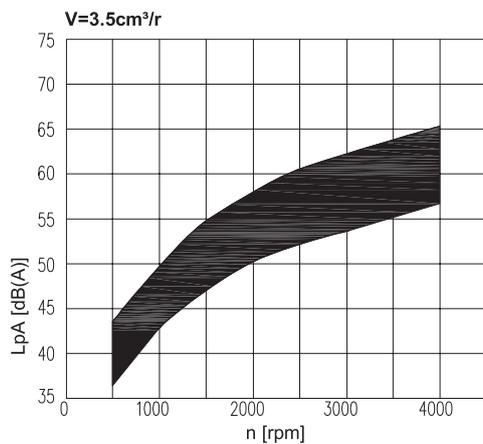
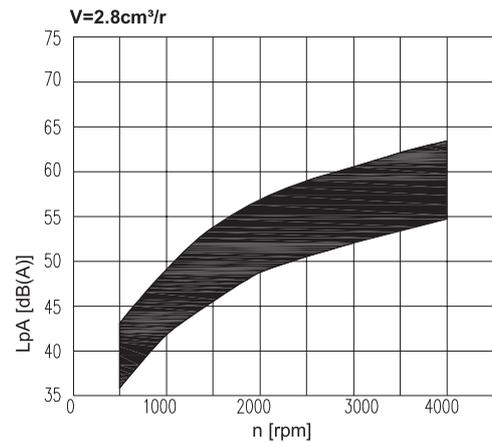
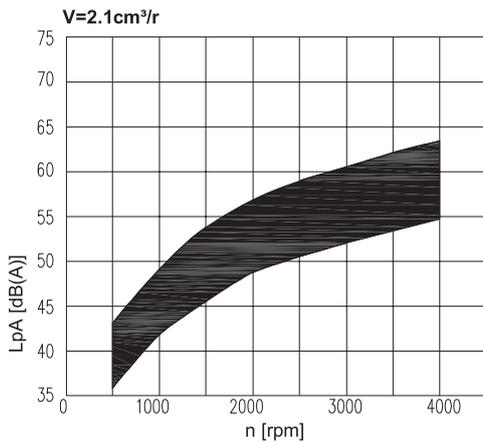
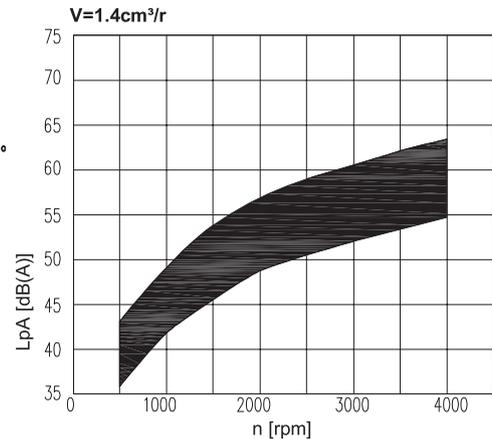
油液数据: $v = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

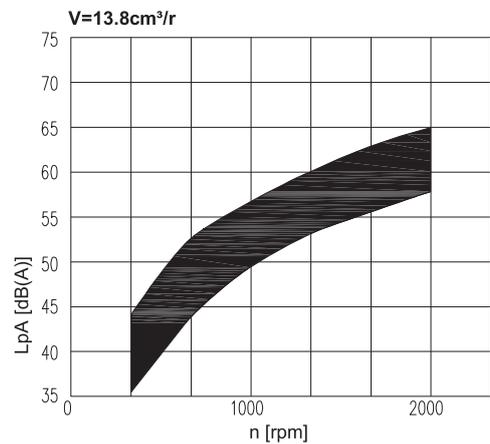
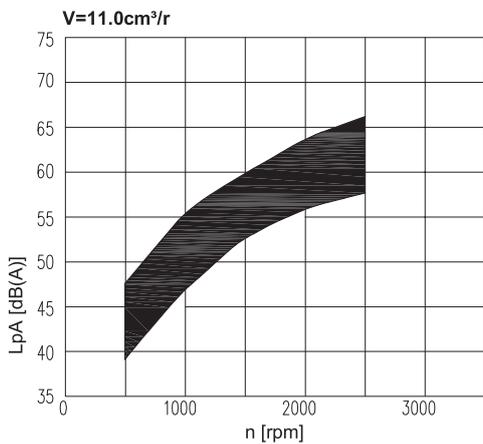
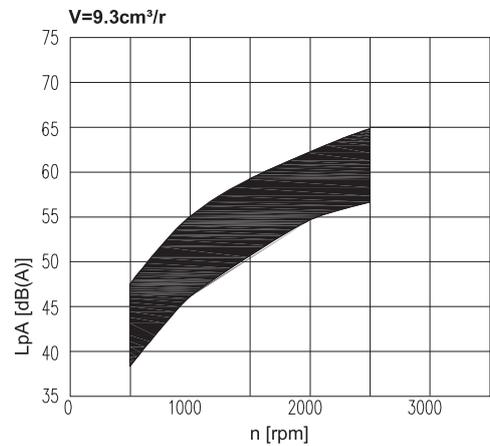
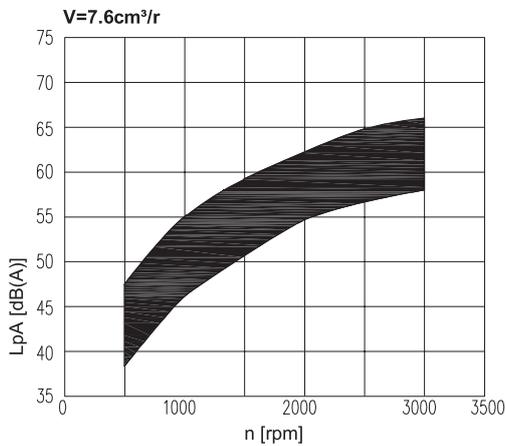
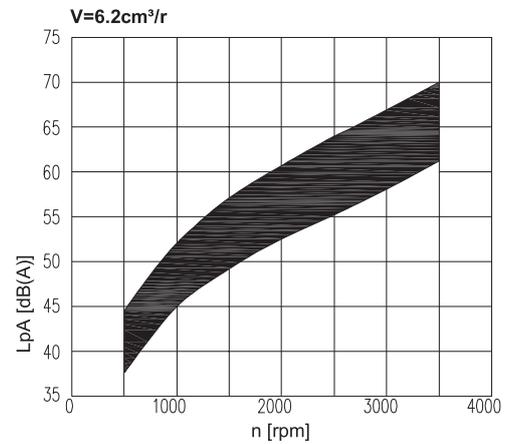
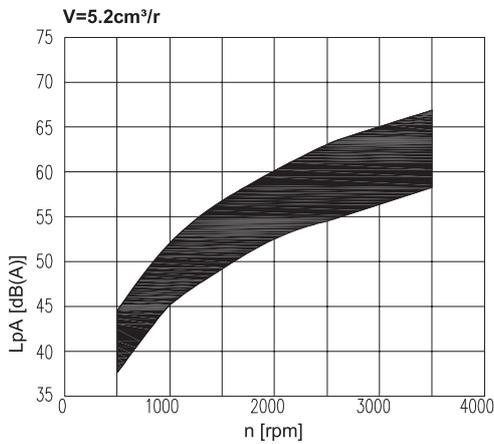
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



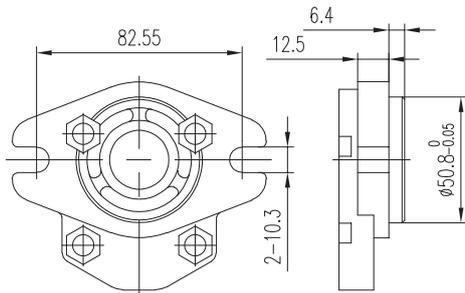
1.25系列/Group 1.25

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

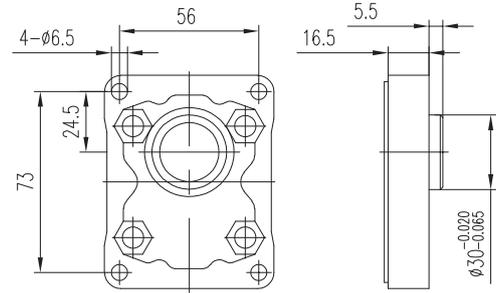


1.25系列/Group 1.25

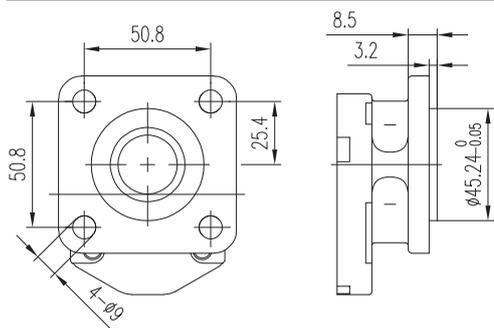
前盖/FRONT COVER



A0

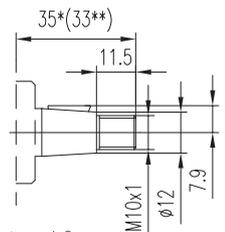


B0



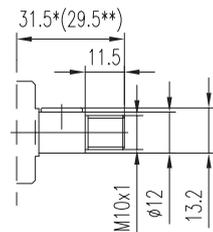
Q0

轴伸/SHAFTS



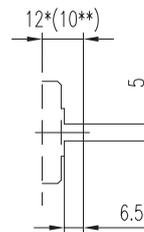
TO

最大扭矩
Max.Torque 100 Nm



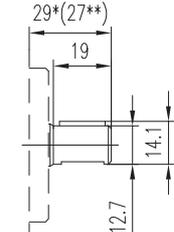
C1

最大扭矩
Max.Torque 55 Nm



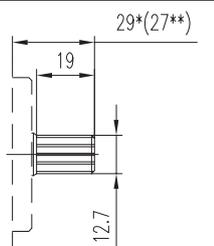
G0

最大扭矩
Max.Torque 45 Nm



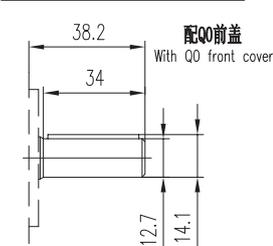
C0

最大扭矩
Max.Torque 60 Nm



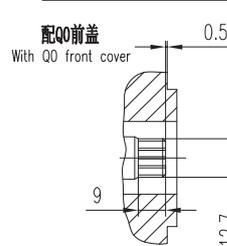
S0

最大扭矩
Max.Torque 100 Nm



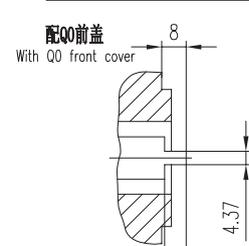
C2

最大扭矩
Max.Torque 100 Nm



S1

最大扭矩
Max.Torque 95 Nm



G1

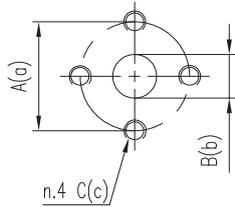
最大扭矩
Max.Torque 40 Nm

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

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

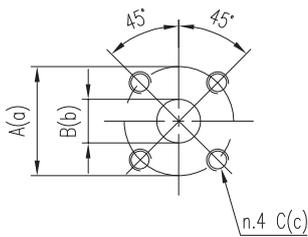
1.25系列/Group 1.25

泵体油口/PORTS



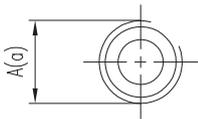
E0

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	3...8	30	13	M6	30	13	M6



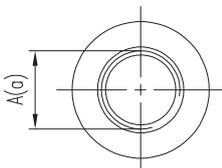
F0

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	1.4...13.8	30	12	M6	30	12	M6



N0/N1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
N0	1.4...7.6	NPT1/2	NPT3/8
N1	9.3...13.8	NPT3/8	NPT3/8



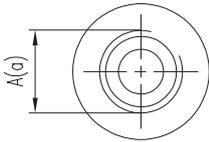
O型圈密封
O-ring

U0/U1/U2/U3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
U0	1.4...6.2	3/4-16 UNF	9/16-18 UNF
U1	7.6...13.8	7/8-14 UNF	3/4-16 UNF
U2	1.4...6.2	3/4-16 UNF	3/4-16 UNF
U3	7.6...13.8	7/8-14 UNF	7/8-14 UNF

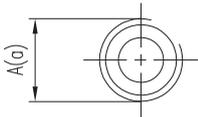
1.25系列/Group 1.25

油口/PORTS



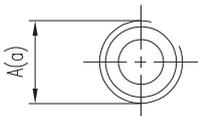
L0/L1/L2/L3

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
L0	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



R0/R1/R2/R3

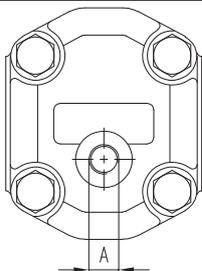
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
R0	1.4...6.2	PT1/2	PT3/8
R1	7.6...13.8	PT3/4	PT1/2
R2	1.4...13.8	PT1/2	PT1/2
R3	1.4...6.2	PT3/8	PT3/8



Z0/Z1/Z2

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
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



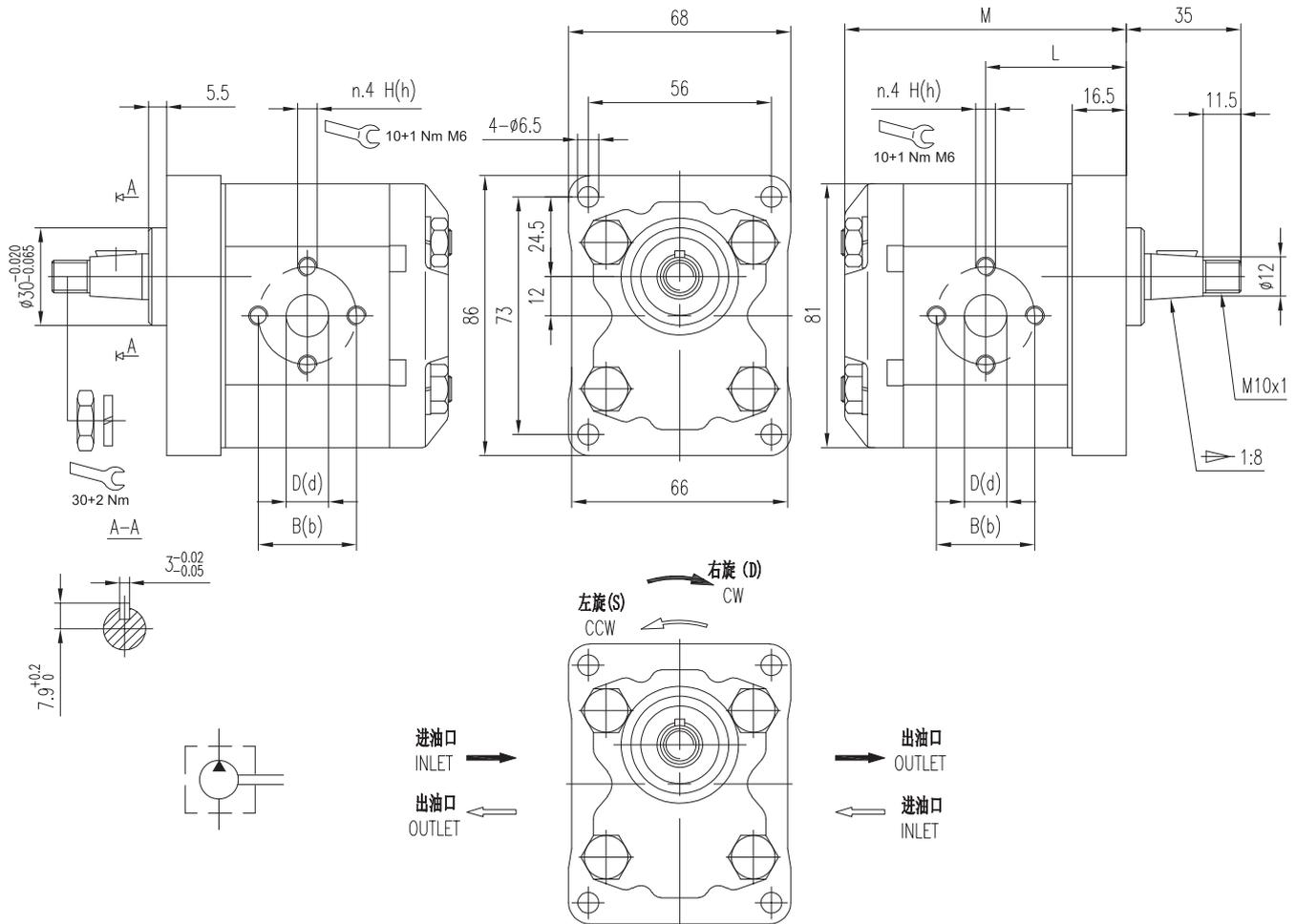
Q1/Q2

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

BAP1.25-B0-D-1.4-T0-E0

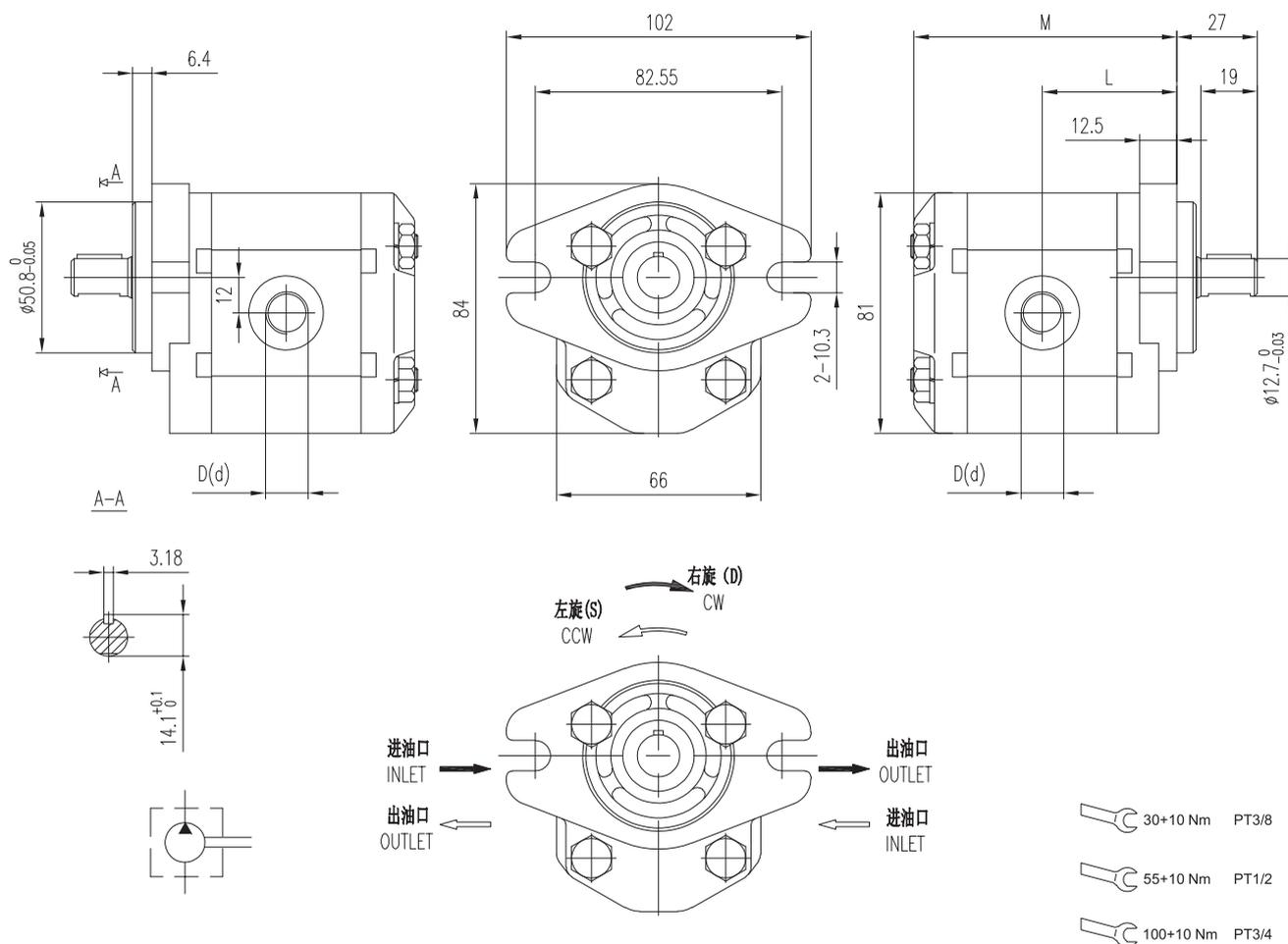


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
1.4	250	270	290	6000	800	1.80	80.5	40	E0	30	13	M6	30	13	M6
2.1	250	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

BAP1.25-A0-D-1.4-C0-L0

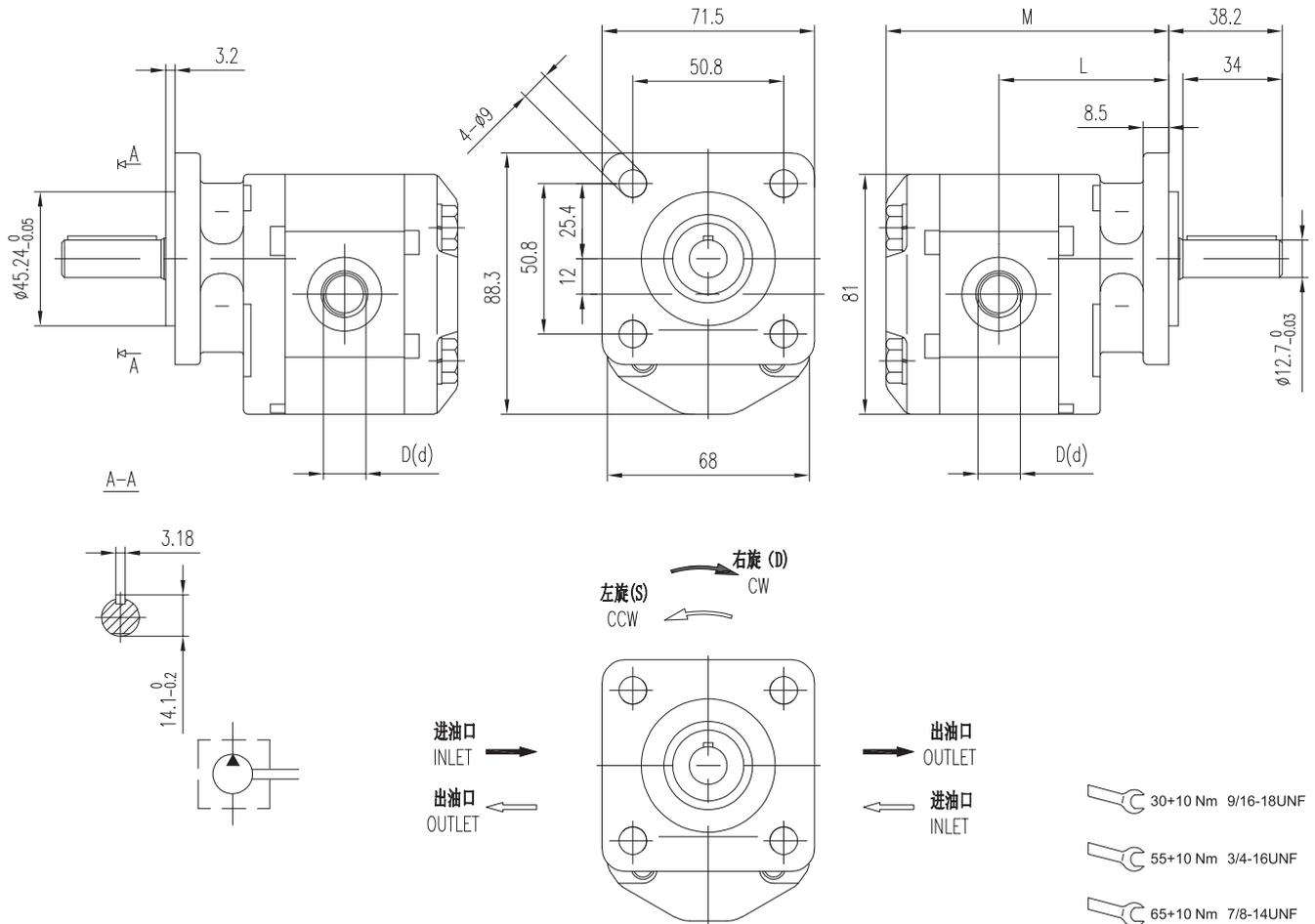


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.4	250	270	290	6000	800	1.80	80.5	40	L0	G1/2	G3/8
2.1	250	270	290	6000	800	1.835	82.5	41	L0	G1/2	G3/8
2.8	250	270	290	5000	800	1.87	84.5	42	L0	G1/2	G3/8
3.5	250	270	290	5000	800	1.905	86.5	43	L0	G1/2	G3/8
4.1	250	270	290	4000	800	1.94	88.5	44	L3	G3/4	G1/2
5.2	230	245	260	4000	800	2.02	91.5	45.5	L3	G3/4	G1/2
6.2	230	245	260	3800	800	2.1	94.5	47	L3	G3/4	G1/2
7.6	200	215	230	3200	600	2.17	98.5	49	L3	G3/4	G1/2
9.3	180	195	210	2600	600	2.25	103.5	51.5	L3	G3/4	G1/2
11.0	170	185	200	2200	600	2.345	108.5	54	L3	G3/4	G1/2
13.8	150	165	180	1800	600	2.485	116.5	58	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

BHP1.25-Q0-D-1.4-C2-U0

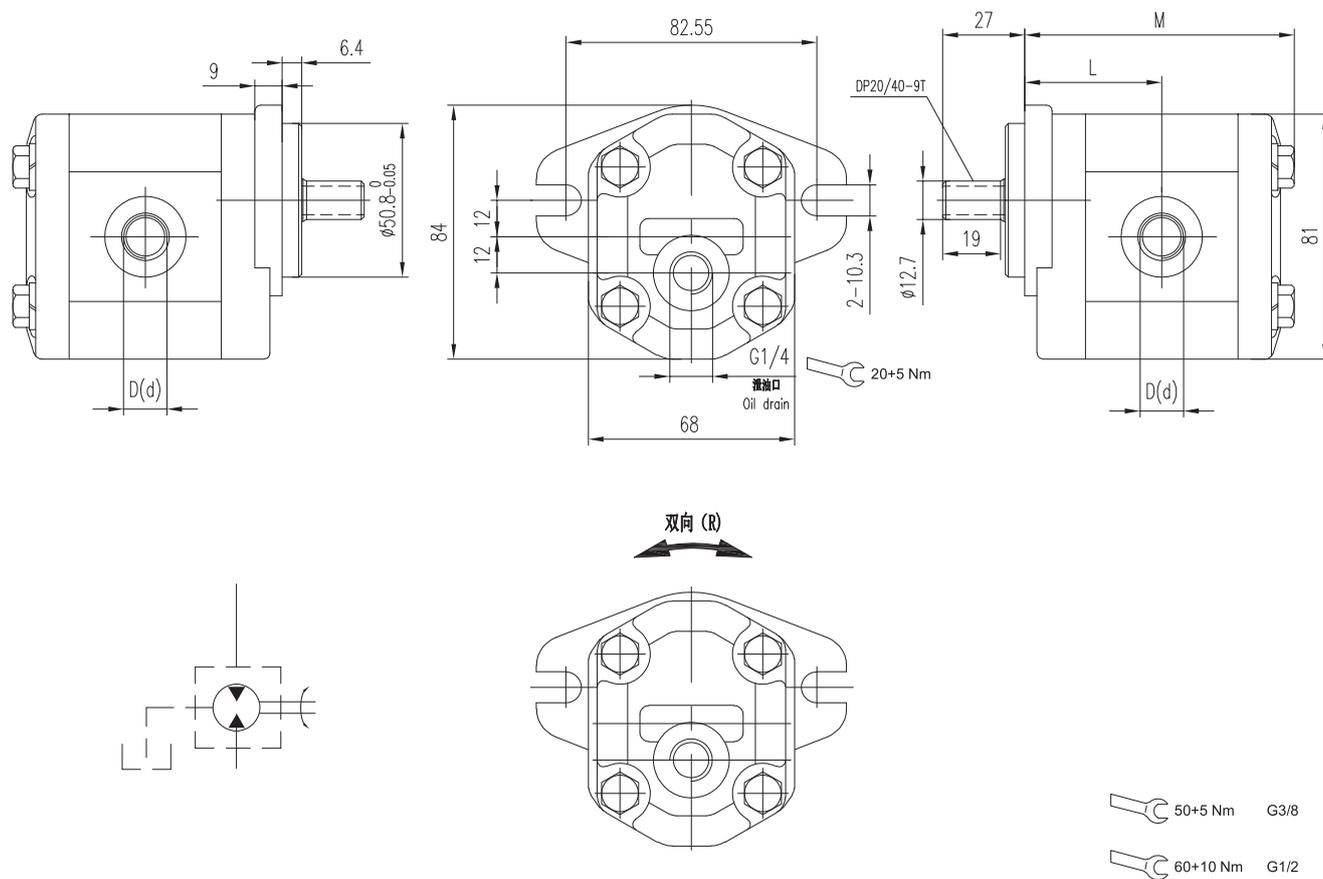


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		D	d		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm					
1.4	250	270	290	6000	800	1.90	98	59	U0	3/4-16UNF	9/16-18UNF		
2.1	250	270	290	6000	800	1.94	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

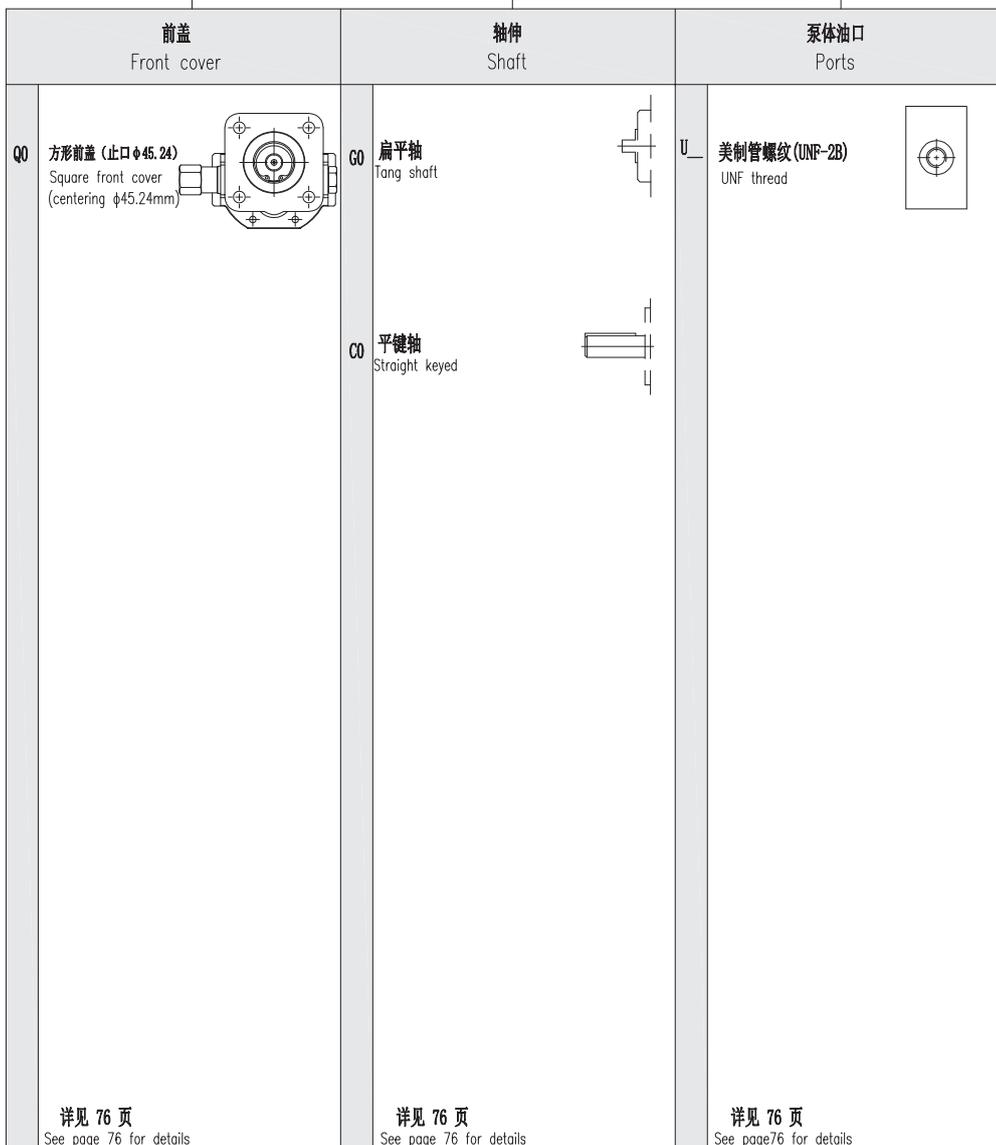
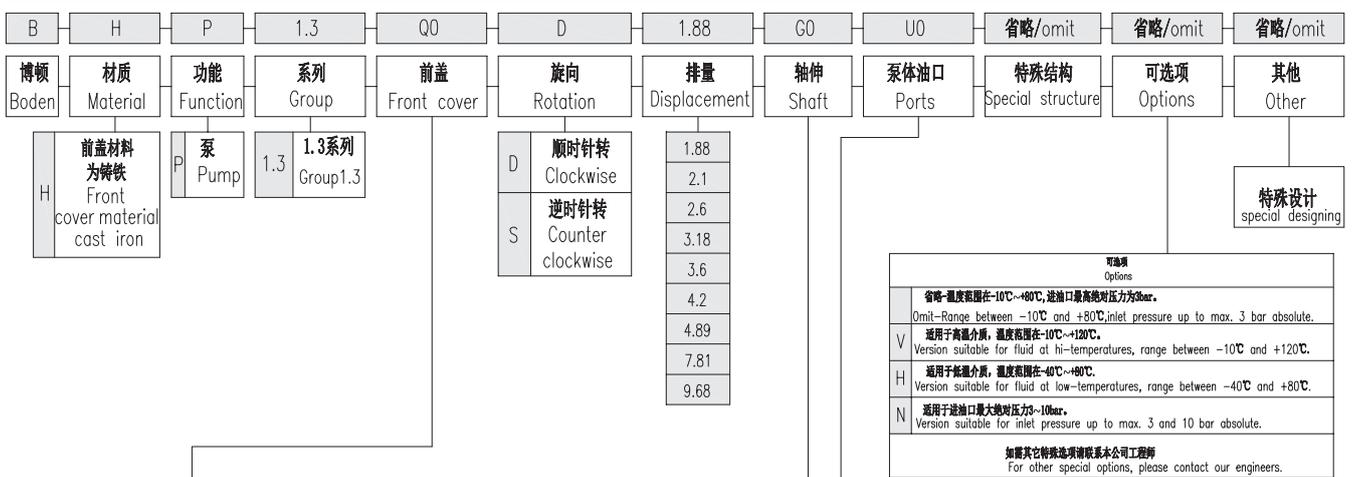
BHM1.25-A0- R - **1.4**-S0- **L2**



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			
1.4	250	270	290	6000	800	1.80	80.5	40	L2	G3/8	G3/8
2.1	250	270	290	6000	800	1.835	82.5	41	L2	G3/8	G3/8
2.8	250	270	290	5000	800	1.87	84.5	42	L2	G3/8	G3/8
3.5	250	270	290	5000	800	1.905	86.5	43	L2	G3/8	G3/8
4.1	250	270	290	4000	800	1.94	88.5	44	L1	G1/2	G1/2
5.2	230	245	260	4000	800	2.02	91.5	45.5	L1	G1/2	G1/2
6.2	230	245	260	3800	800	2.1	94.5	47	L1	G1/2	G1/2
7.6	200	215	230	3200	600	2.17	98.5	49	L1	G1/2	G1/2
9.3	180	195	210	2600	600	2.25	103.5	51.5	L1	G1/2	G1/2
11.0	170	185	200	2200	600	2.345	108.5	54	L1	G1/2	G1/2
13.8	150	165	180	1800	600	2.485	116.5	58	L1	G1/2	G1/2

1.3系列/Group 1.3

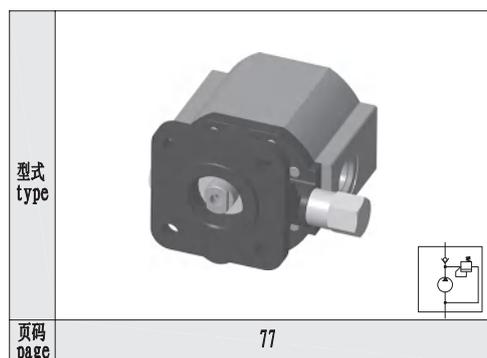
1.3系列选型规则/Group 1.3 Ordering Code Rules



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



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

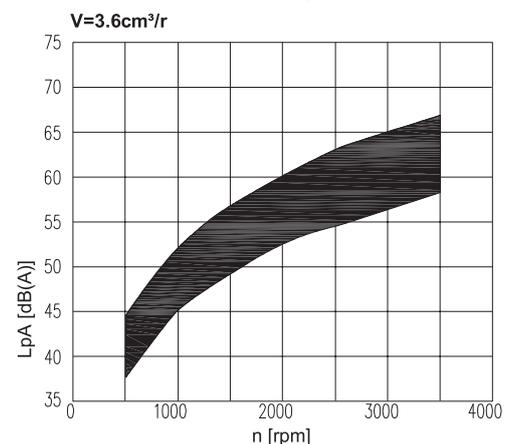
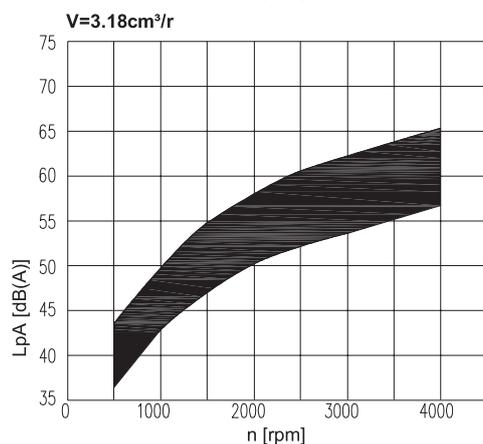
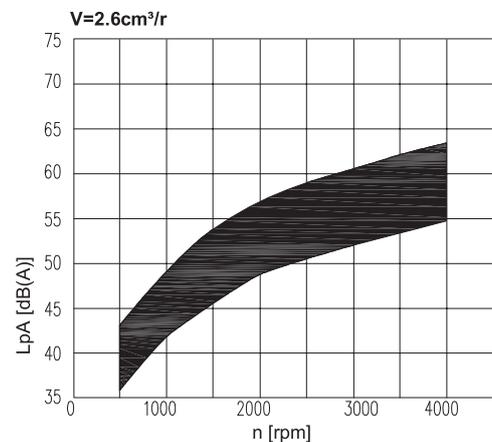
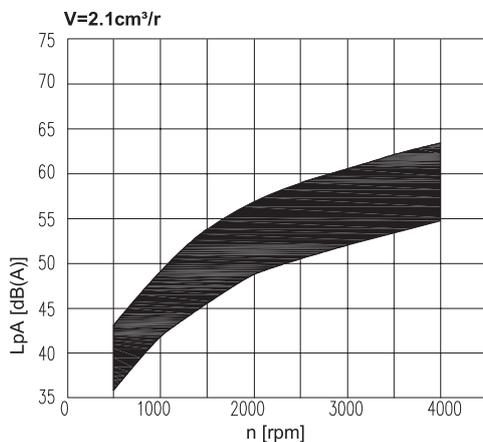
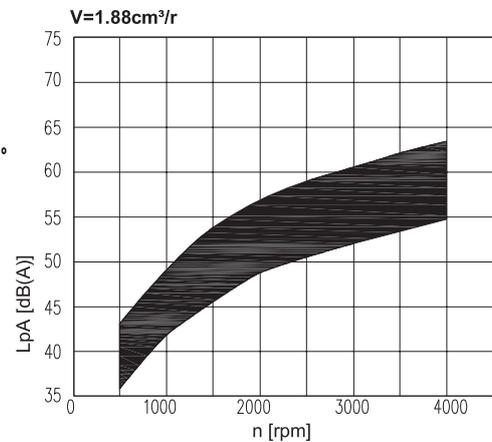
Oil data: $V=32\text{mm}^2/\text{s}, \theta=50^\circ\text{C}$.

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.

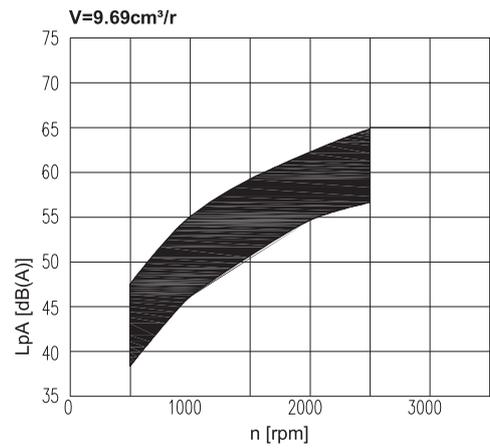
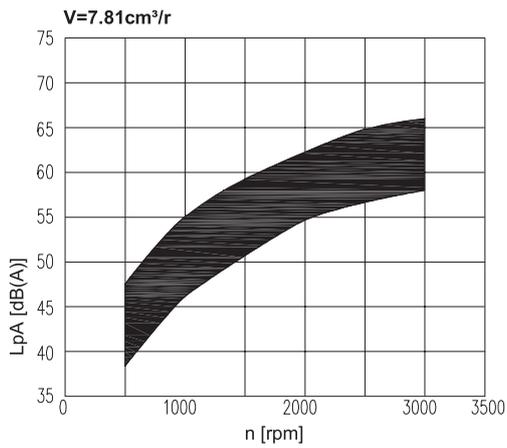
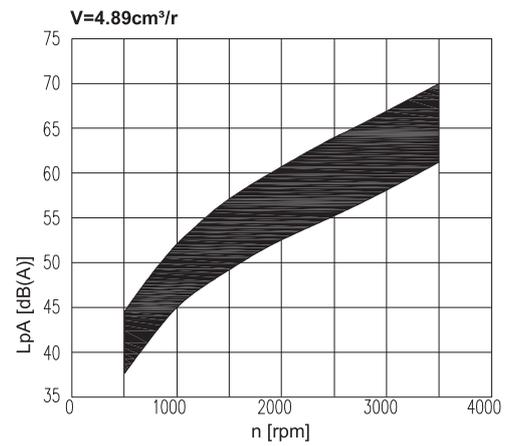
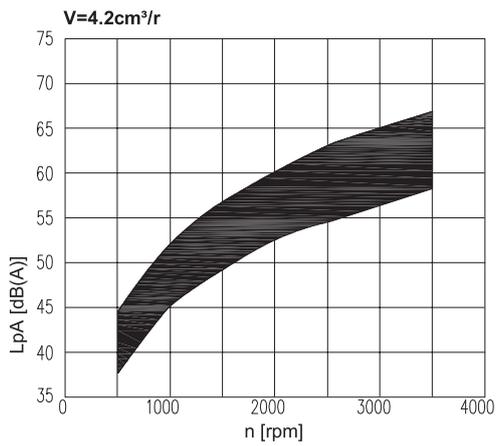
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



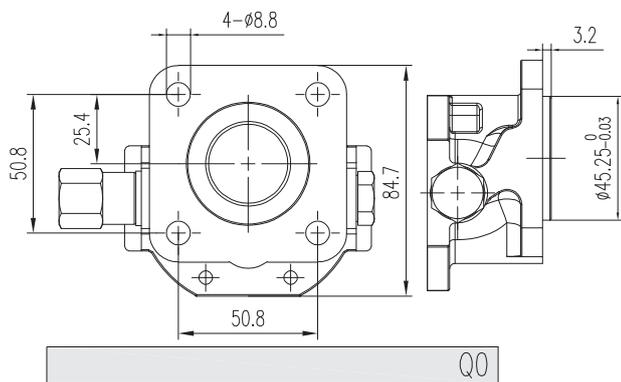
1.3系列/Group 1.3

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

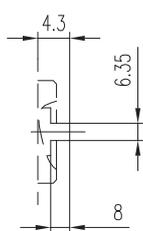


1.3系列/Group 1.3

前盖/FRONT COVER

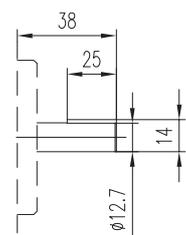


轴伸/SHAFTS



G0

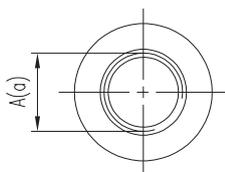
最大扭矩
Max.Torque 50Nm



C0

最大扭矩
Max.Torque 65 Nm

泵体油口/PORTS



O型圈密封
O-ring

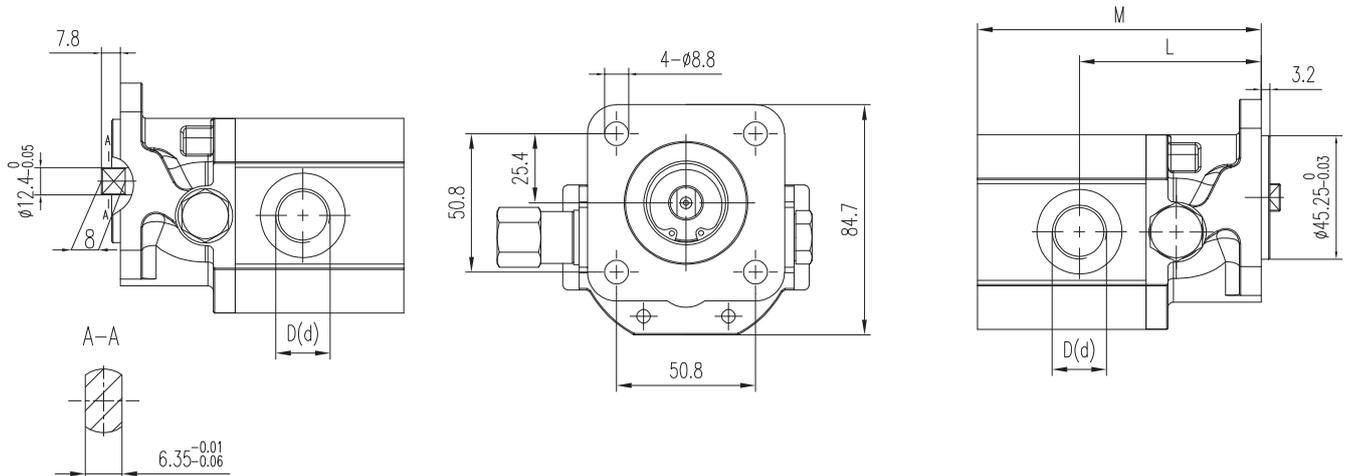
U0/U1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	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

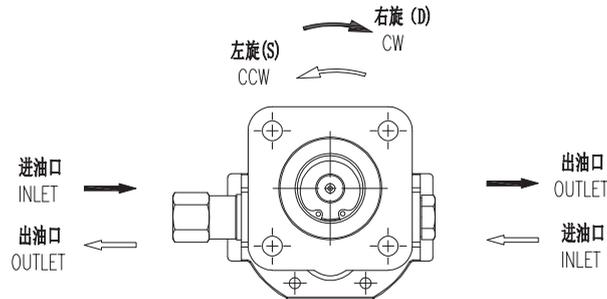
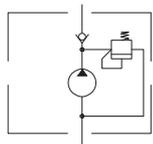
1.3系列/Group 1.3

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



溢流压力
Overflow Pressure
40...200 bar



30+10 Nm 9/16-18UNF

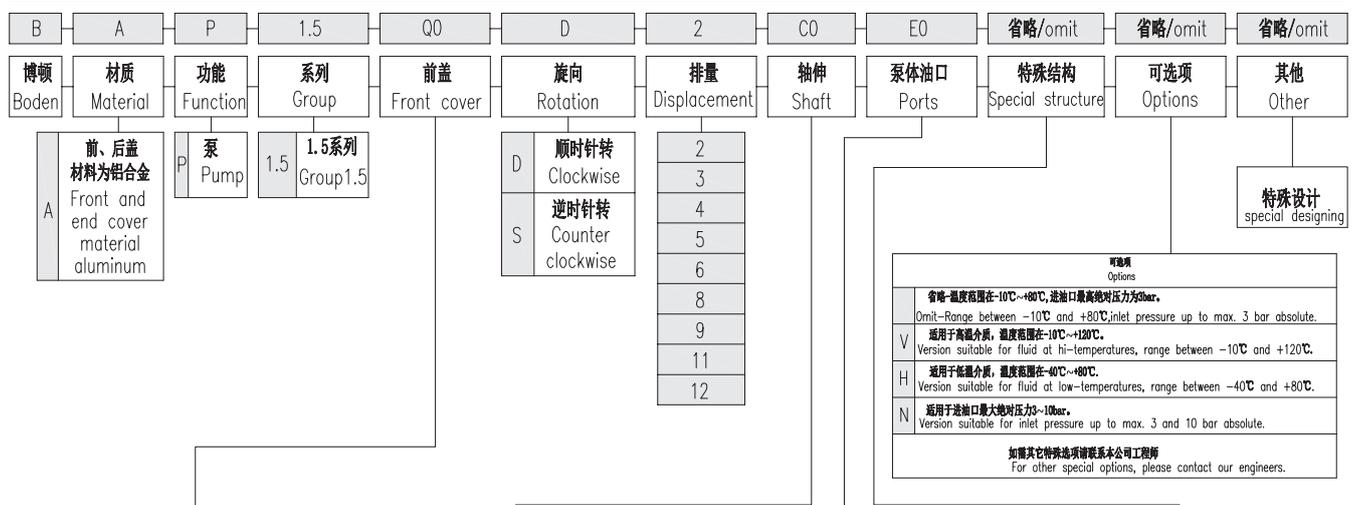
55+10 Nm 3/4-16UNF

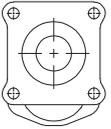
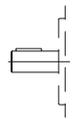
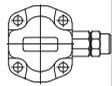
65+10 Nm 7/8-14UNF

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	出油口
	P1	P2	P3				D	d			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm			
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



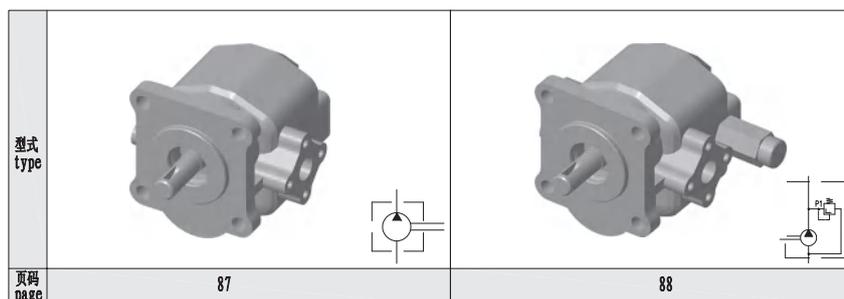
前盖 Front cover	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure
Q0 方形前盖 (止口 $\phi 50.77$) Square front cover (centering $\phi 50.77\text{mm}$) 	T0 锥形键槽轴 1:8 Taper shaft 1:8 	E 矩形法兰 Rectangular flange 	省略-默认普通 omit-regular
详见 86 页 See page 86 for details	C0 平键轴 Straight keyed 	详见 86 页 See page 86 for details	YF1 后盖带溢流阀 Back cover with relief valve 
详见 86 页 See page 86 for details	详见 86 页 See page 86 for details	详见 86 页 See page 86 for details	详见 86 页 See page 86 for details

如需其它型号请见详情页或联系本公司工程师

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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

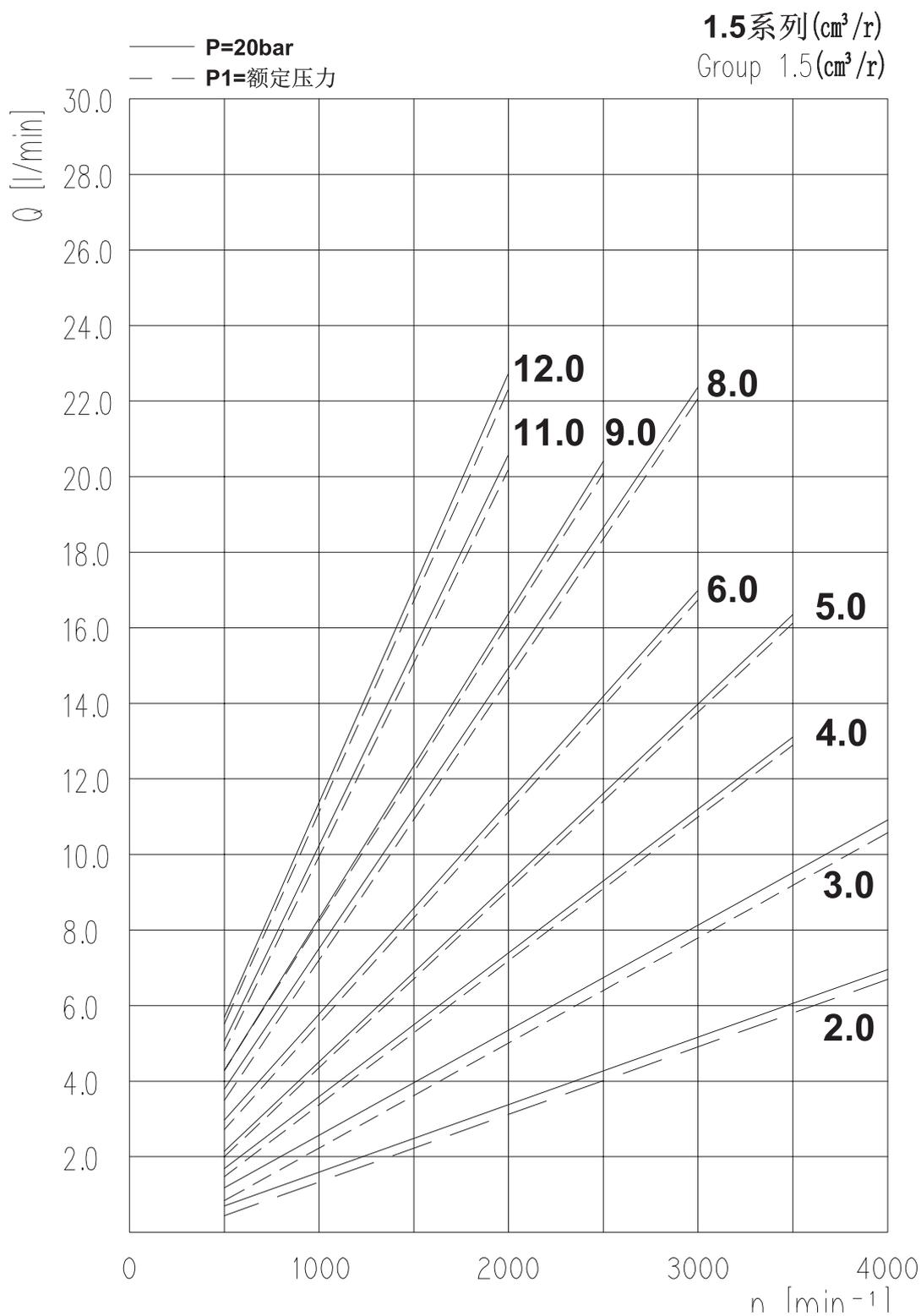


1.5系列排量参数表/Group 1.5 Displacement parameter table

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	

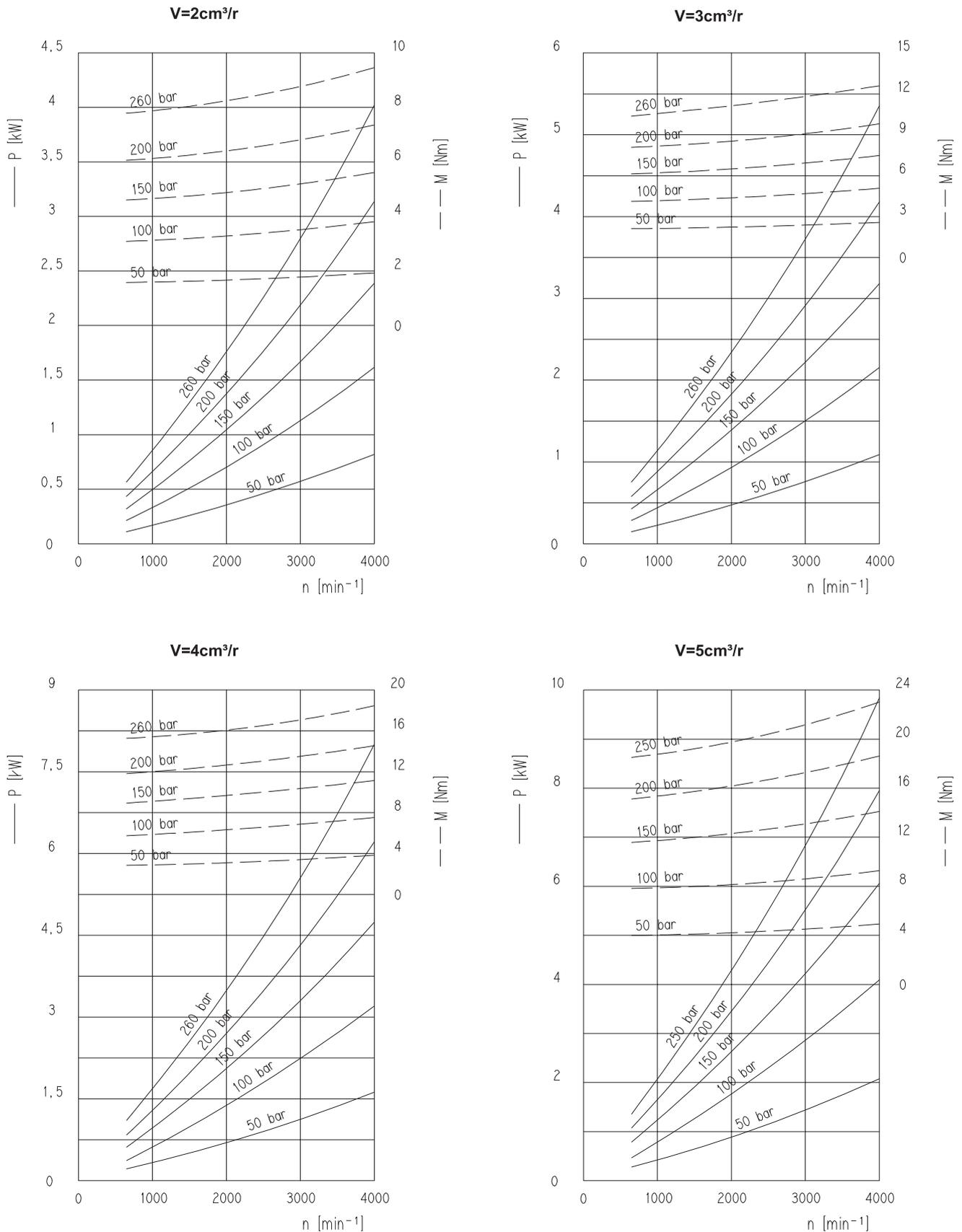
1.5系列/Group 1.5

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



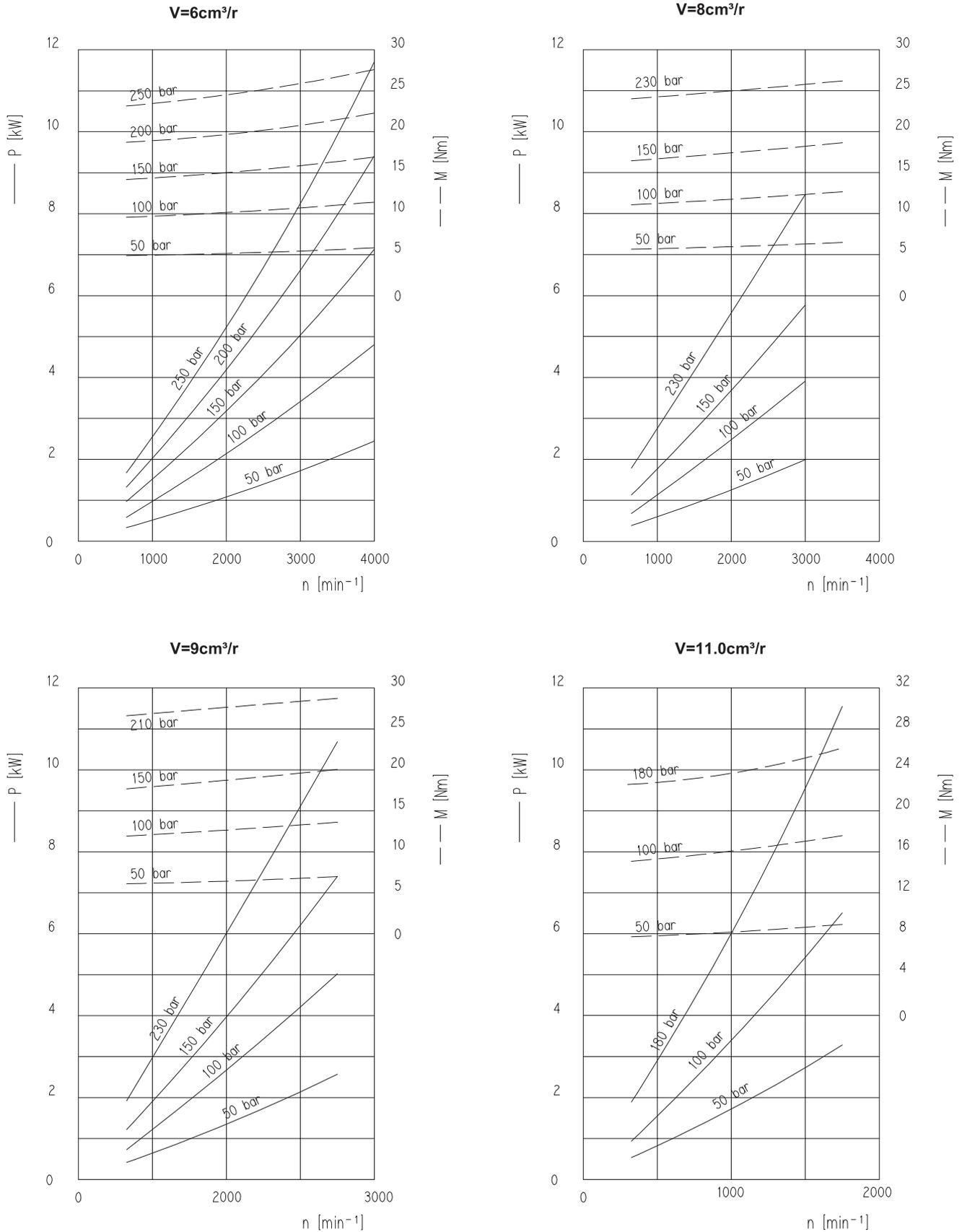
1.5系列/Group 1.5

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



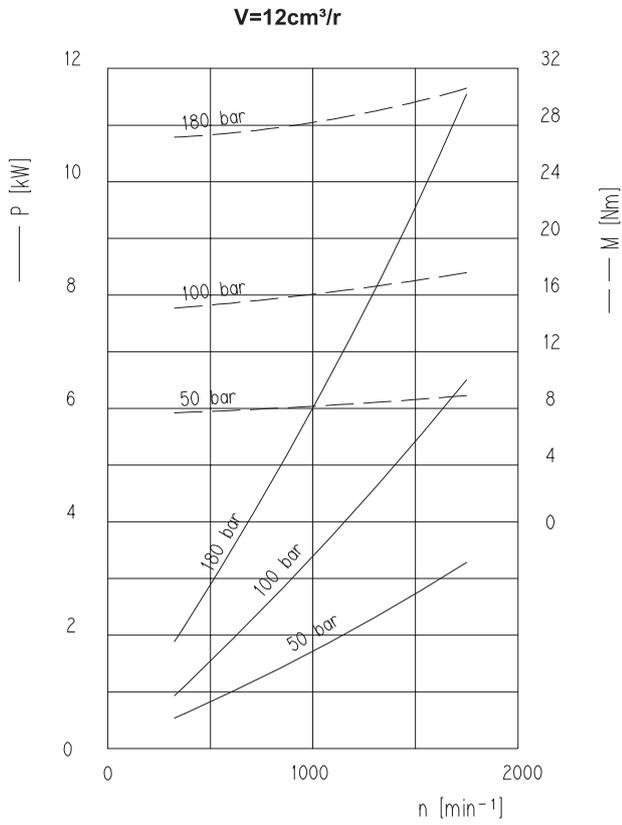
1.5系列/Group 1.5

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

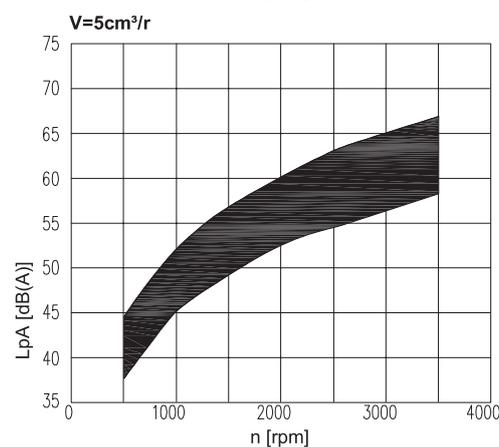
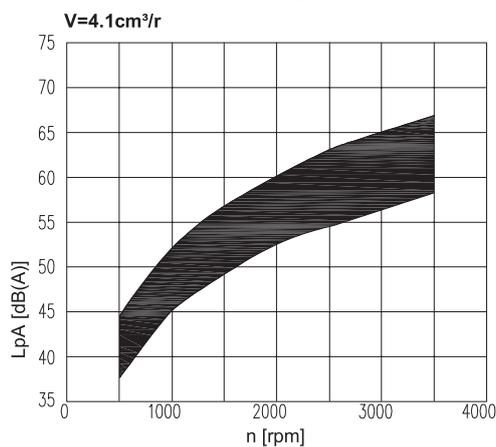
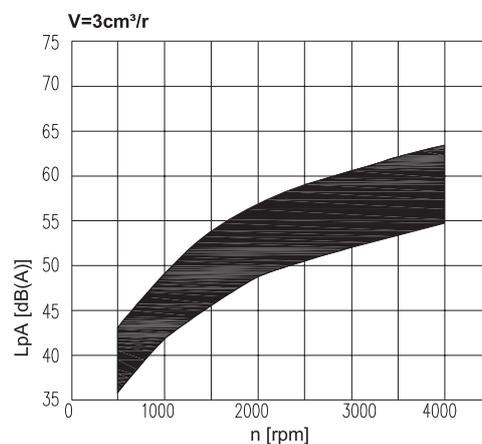
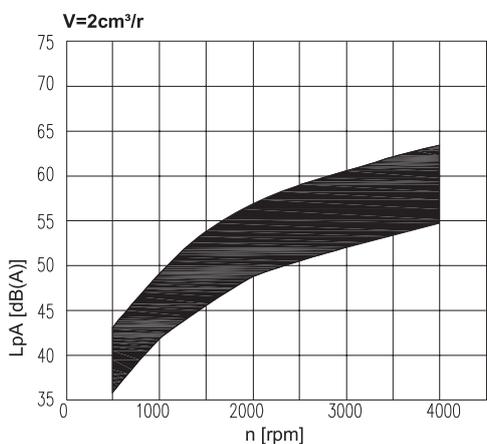
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

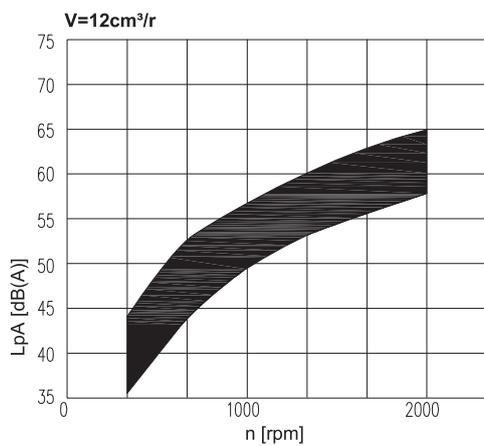
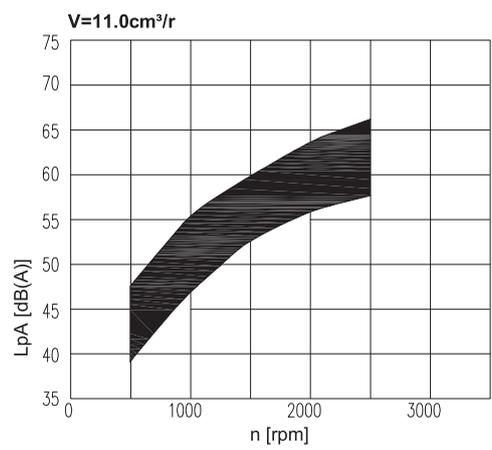
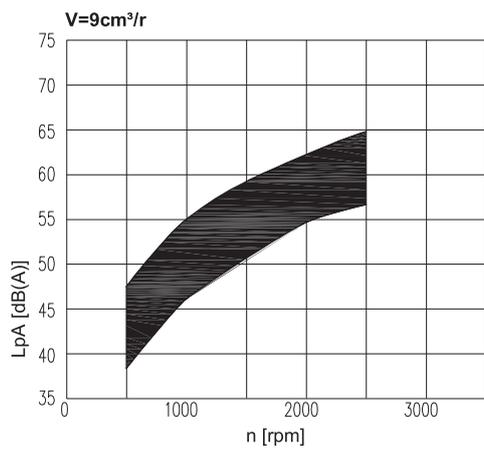
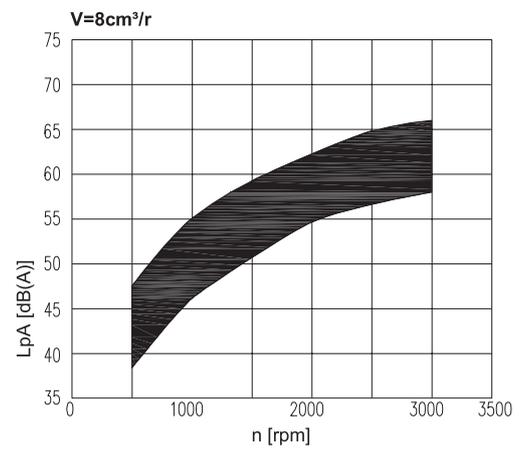
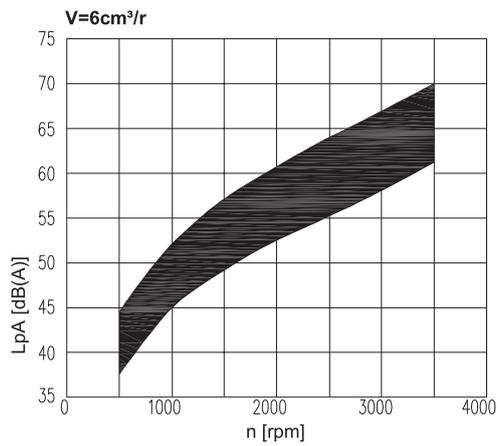
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



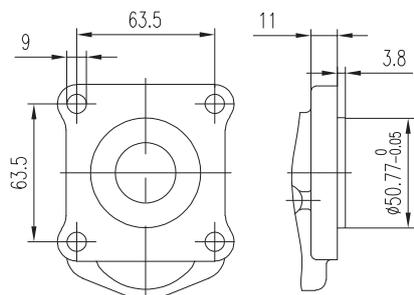
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1.5系列噪音曲线表/Group 1.5 Noise Curve Table



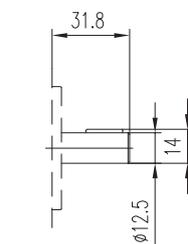
1.5系列/Group 1.5

前盖/Front Cover



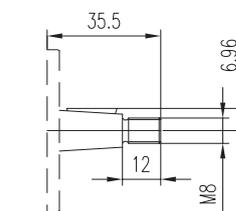
Q0

轴伸/SHAFTS



4 C0

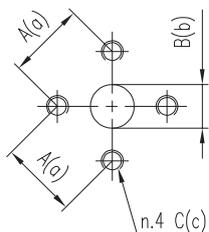
最大扭矩
Max.Torque 60 Nm



3 T0

最大扭矩
Max.Torque 100 Nm

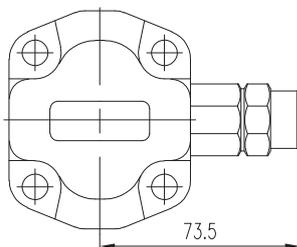
泵体油口/PORTS



E0

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	2...12	25.2	14.5	M6	25.2	14.5	M6

特殊结构/SPECIAL STRUCTRE



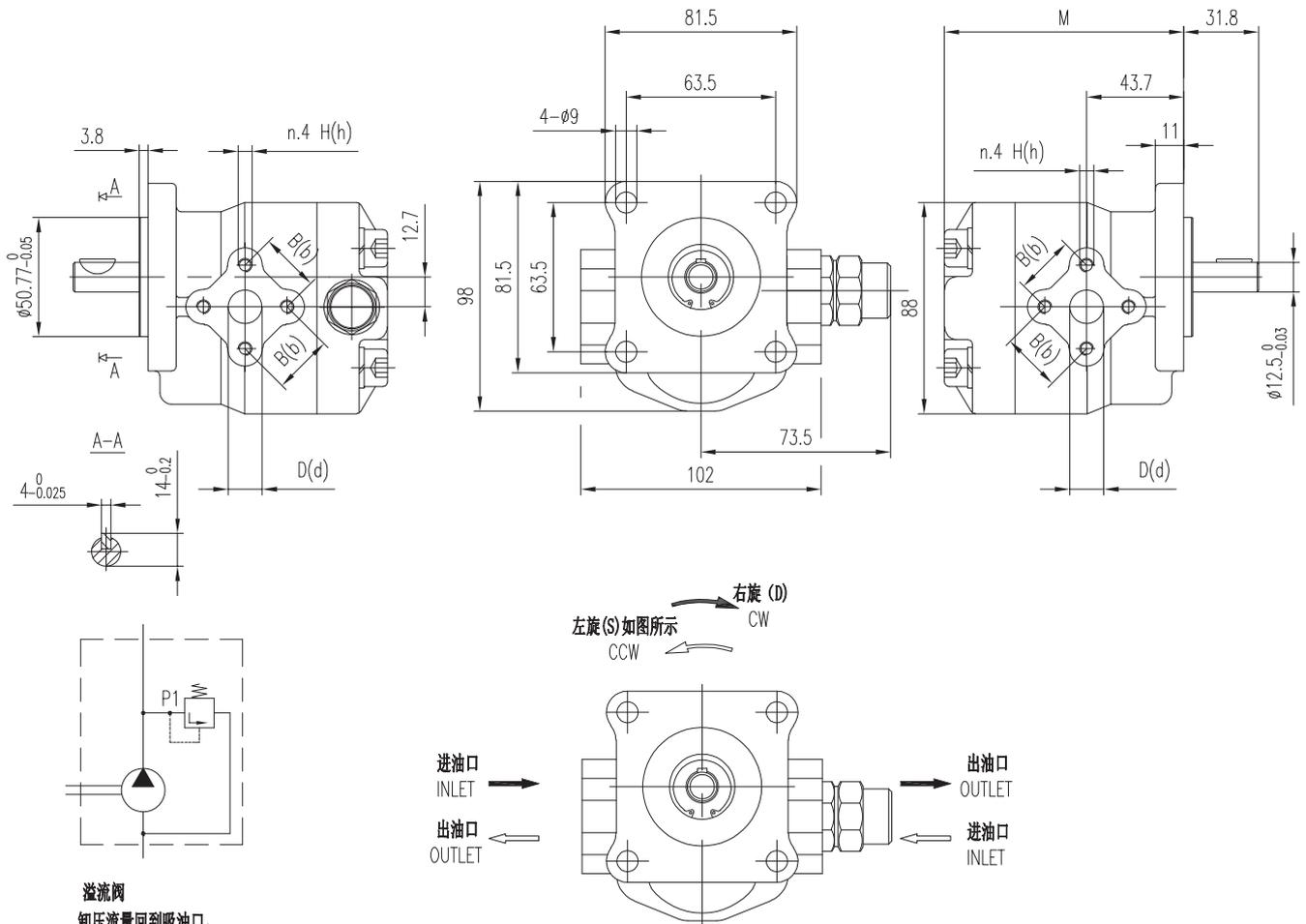
YF1

代号 CODE	溢流阀调压范围 Pressure regulating range of overflow valve
YF1	20...250(bar)

1.5系列/Group 1.5

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

BAP1.5-Q0-D-2.0-C0-E0-YF1-P100



溢流阀
 卸压流量回到吸油口。
 控制压力 P=20...250bar。
 Pressure relief valve.
 Discharge returned to suction.
 P=20...250 bar.

M6 10+1 Nm

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

B	A	P	2	B0	D	3	T0	E0	省略/omit	省略/omit	省略/omit
博顿 Boden	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 顺时针转 Clockwise S 逆时针转 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		
<p>省略-Range between -10°C and +80°C inlet pressure up to max. 3 bar absolute. 适用于高温介质, 温度范围在-10°C~+120°C。 Version suitable for fluid at hi-temperatures, range between -10°C and +120°C.</p> <p>适用于低温介质, 温度范围在-40°C~+80°C。 Version suitable for fluid at low-temperatures, range between -40°C and +80°C.</p> <p>适用于溢油口最大绝对压力为3~10bar。 Version suitable for inlet pressure up to max. 3 and 10 bar absolute.</p> <p>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.</p>											

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 $\phi 82.55\text{mm}$) 	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
B0 方形前盖 (止口 $\phi 36.5$) Square front cover (centering $\phi 36.5\text{mm}$) 	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 $\phi 38\text{mm}$) 	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 $\phi 80\text{mm}$) 	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
Q0 方形前盖 (止口 $\phi 50$) Square front cover (centering $\phi 50\text{mm}$) 	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
Q2 方形前盖 (止口 $\phi 52$), O-RING Square front cover (centering $\phi 52\text{mm}$), O-RING 	H0 矩形花键轴 Rectangle spline shaft $\square 4-15 \times 11.4 \times 4$ 	U 美制管螺纹 (UNF-2B) UNF thread 	HFA 后盖带恒流阀 Back cover with constant flow valve
	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 99 页 See page 99 for details	详见 100 页 See page 100 for details	详见 101-102 页 See page 101-102 for details	详见 103 页 See page 103 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

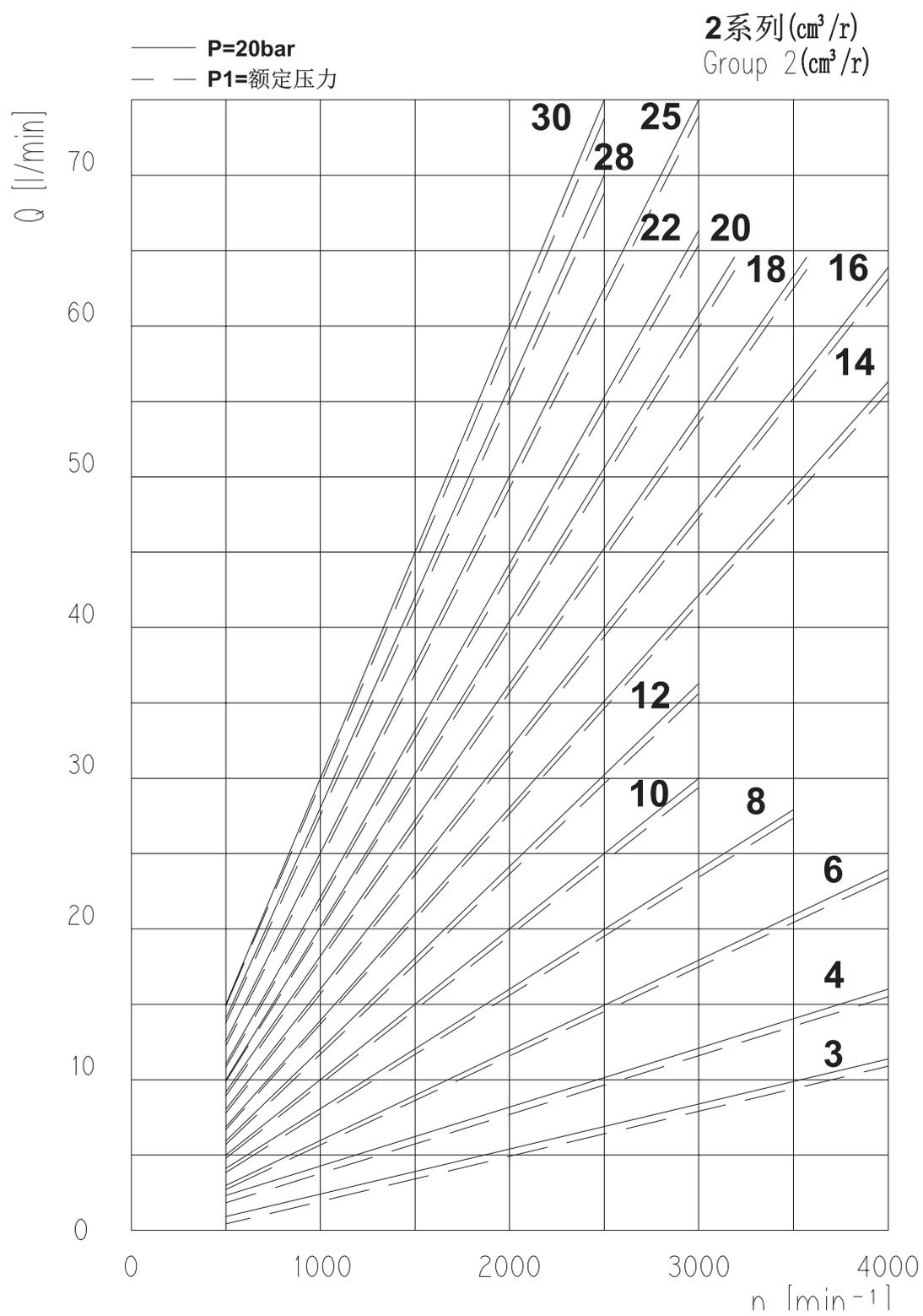
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页码 page	104	105	106	107
型式 type				
页码 page	108	109	110	111
型式 type				
页码 page	112	113	114	

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	n_{Min}	r/min	800	600		500				400							
最高转速 Max. speed	n_{Max}		4000			3500			3200			3000		2500			
容积效率 Volumetric efficiency	η_v	%	>91				>92			>93			>95				

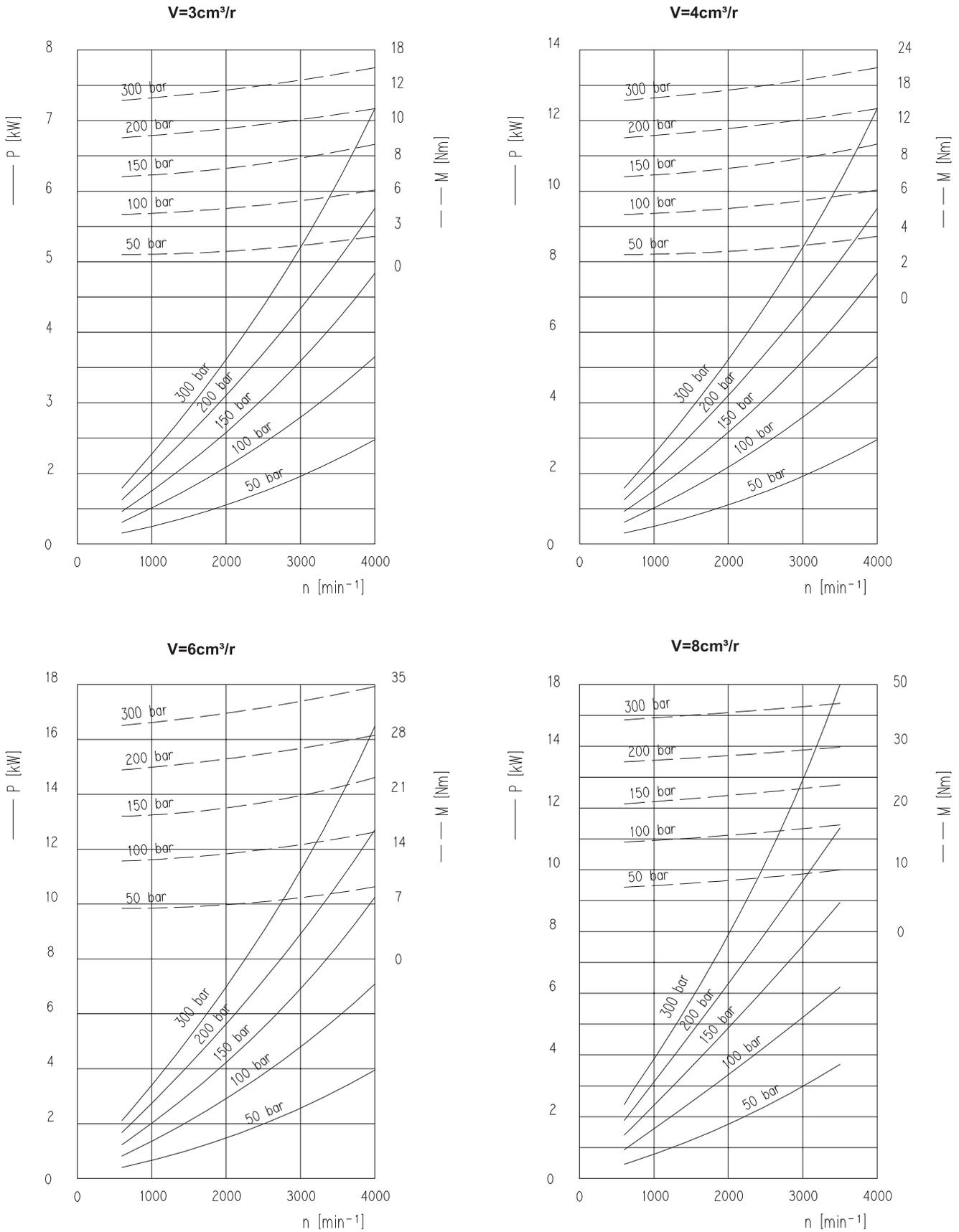
2系列/Group 2

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



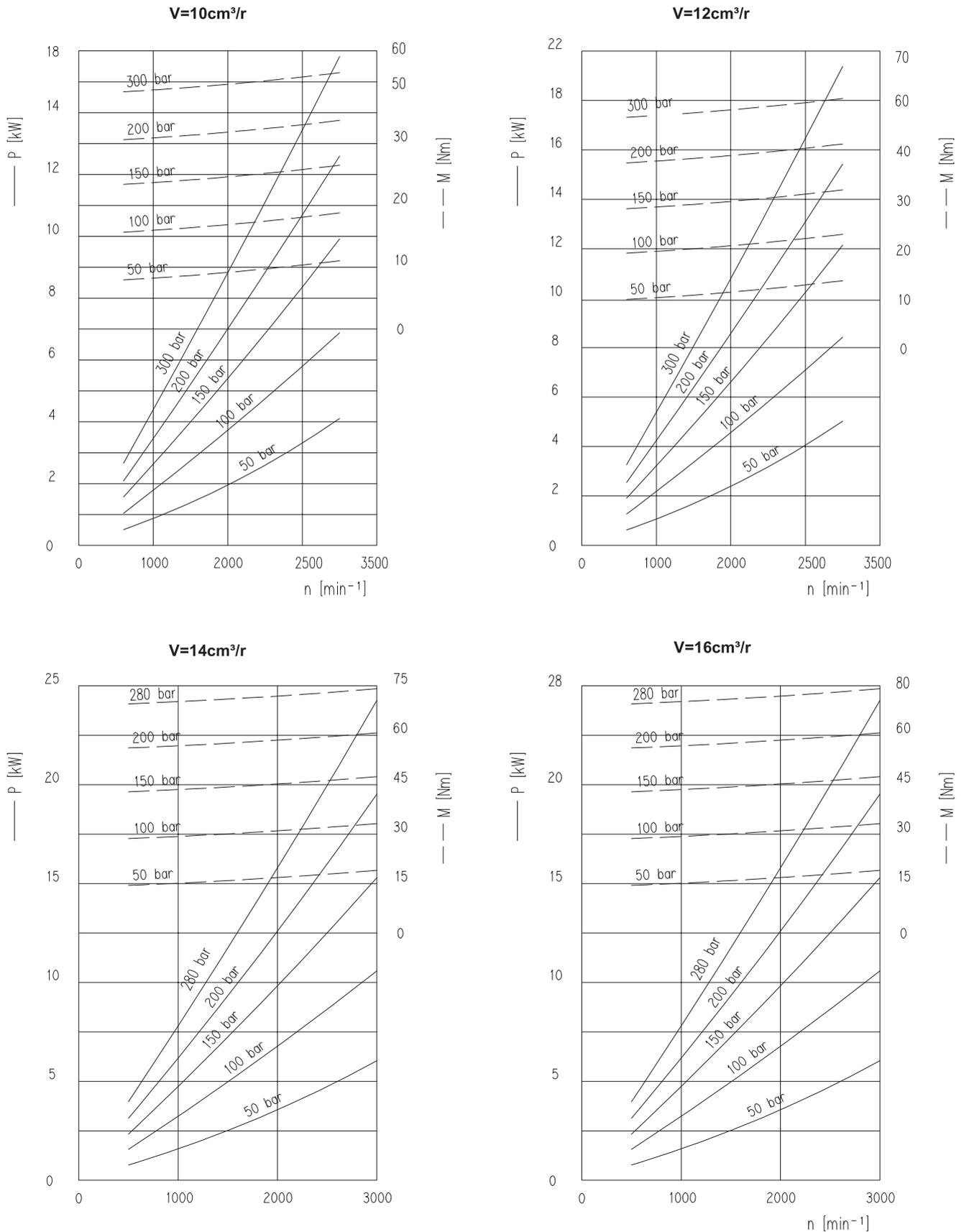
2系列/Group 2

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



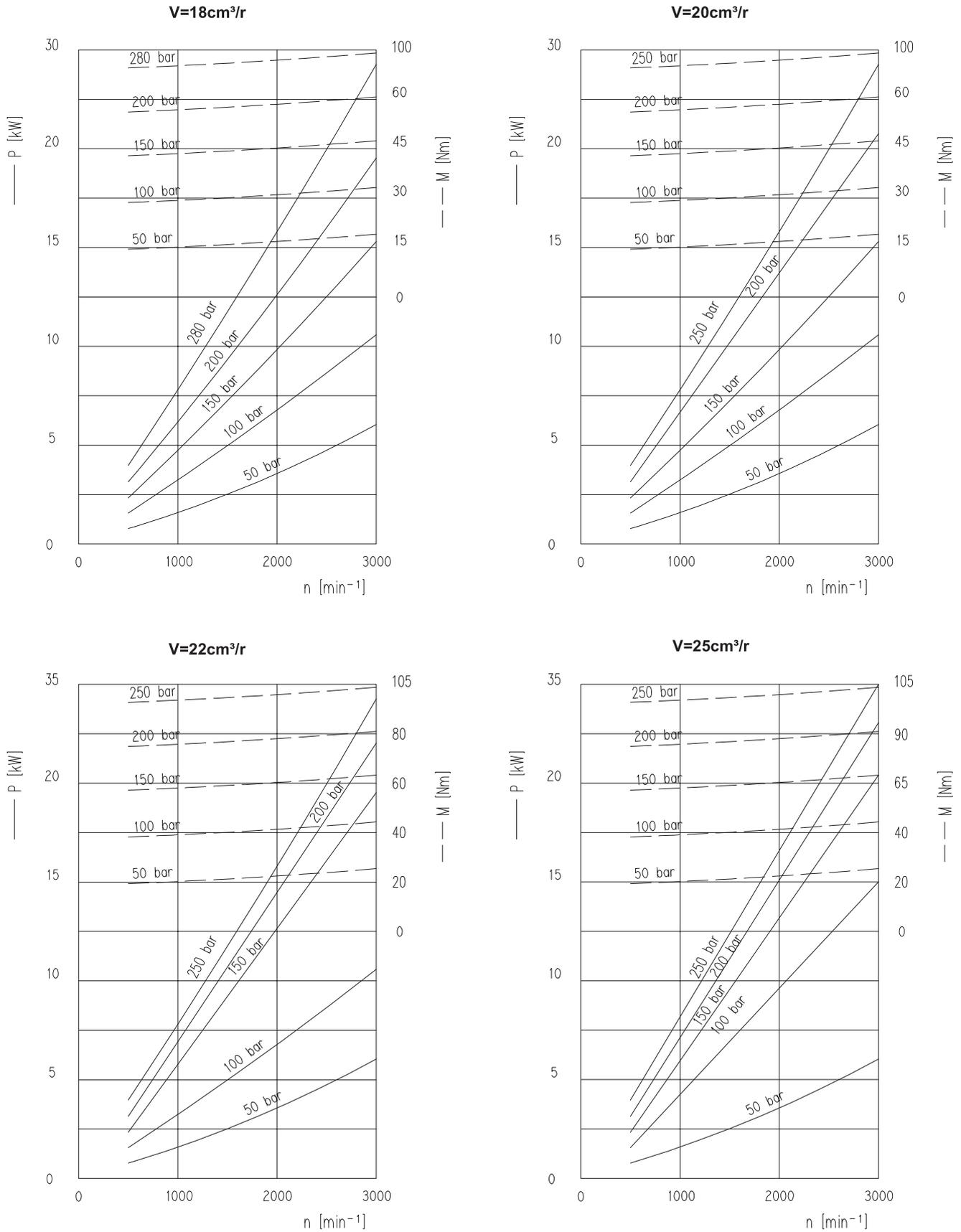
2系列/Group 2

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



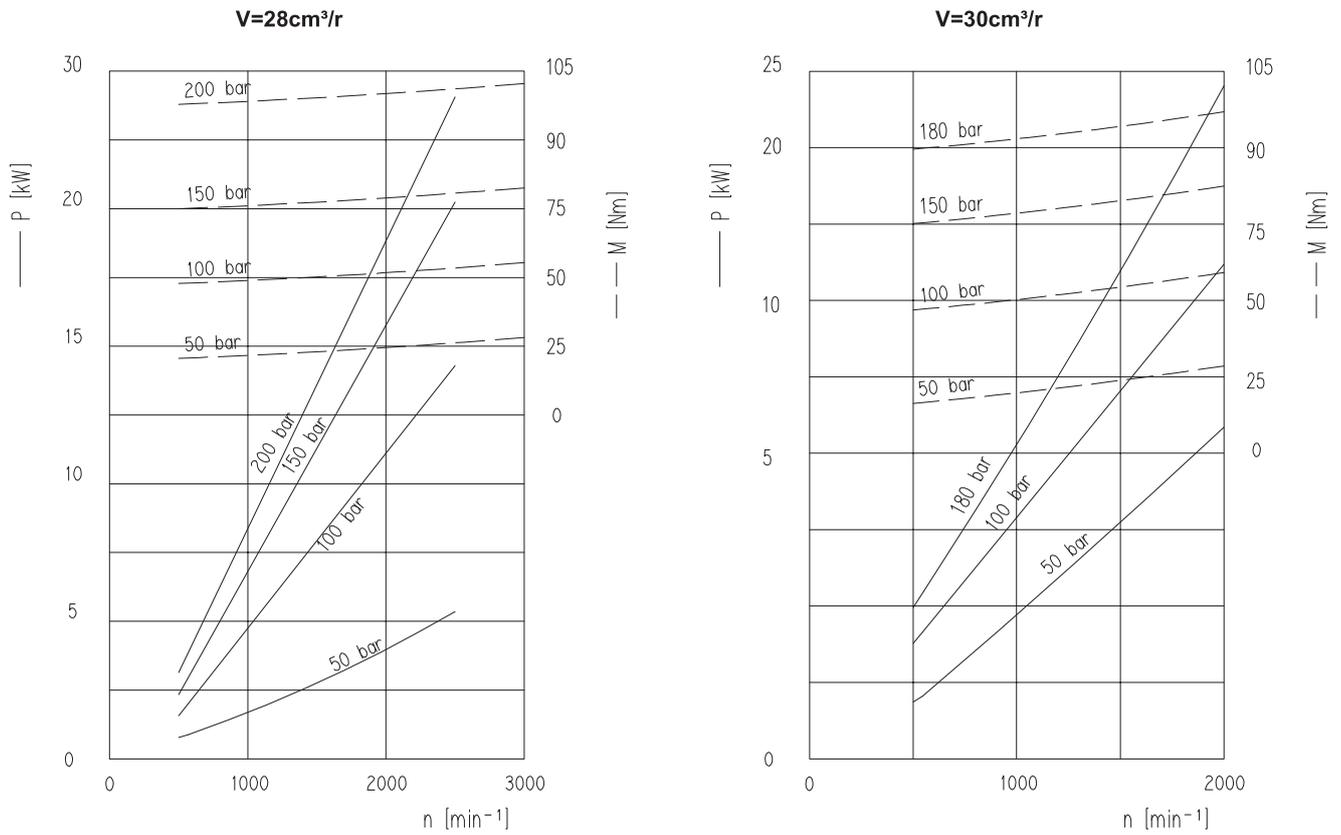
2系列/Group 2

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

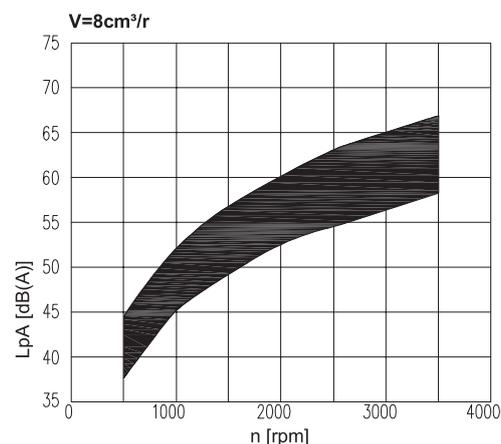
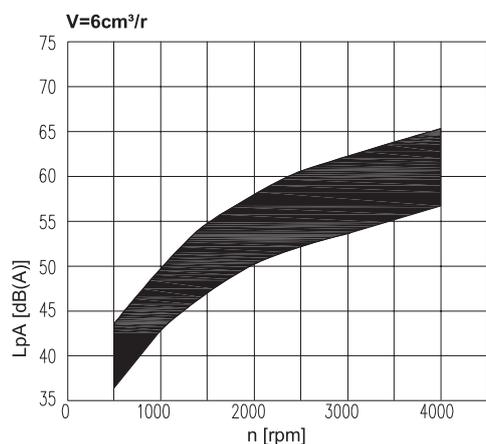
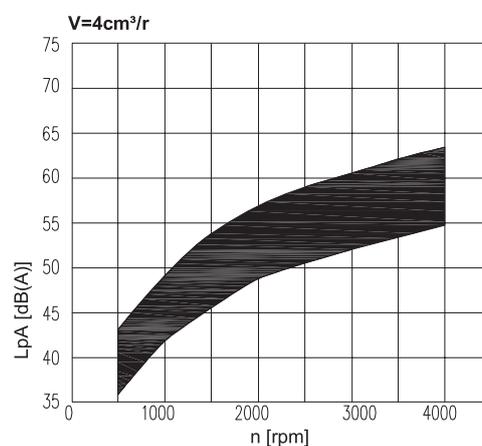
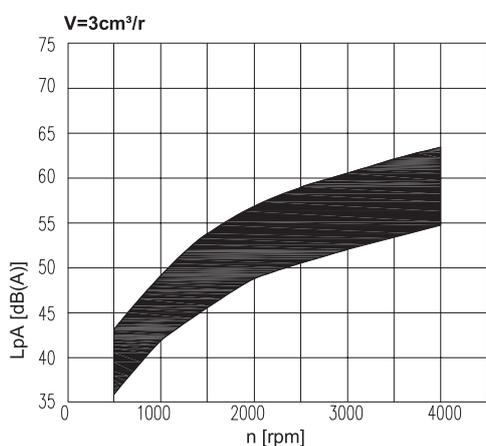
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

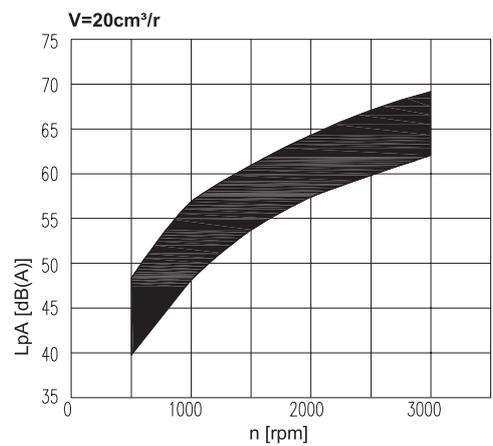
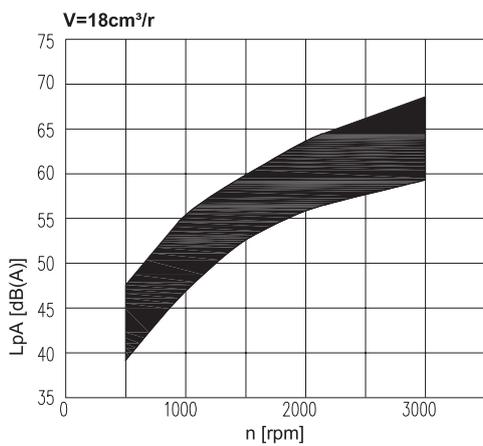
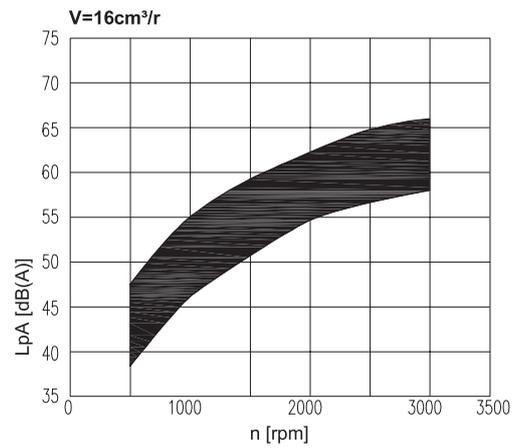
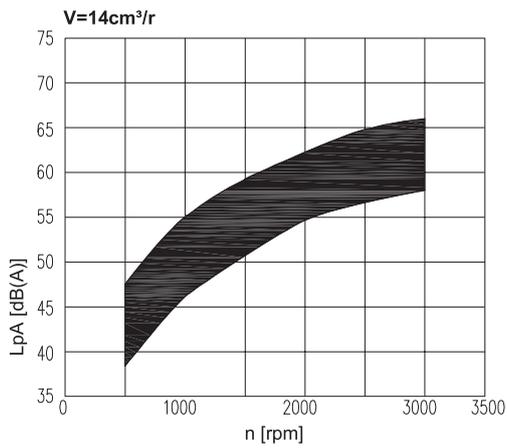
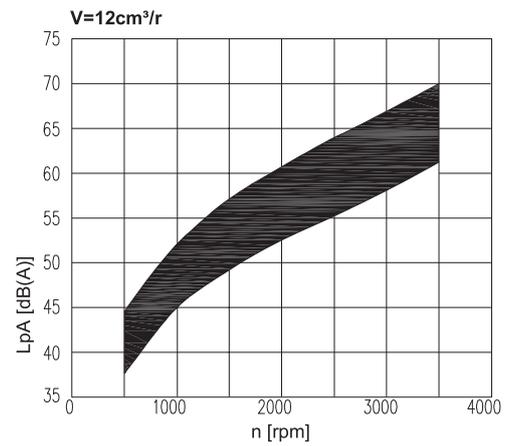
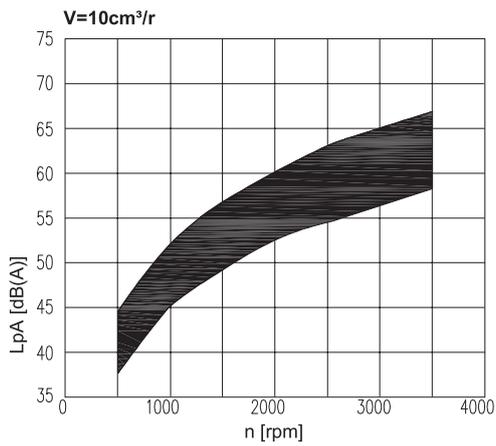
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



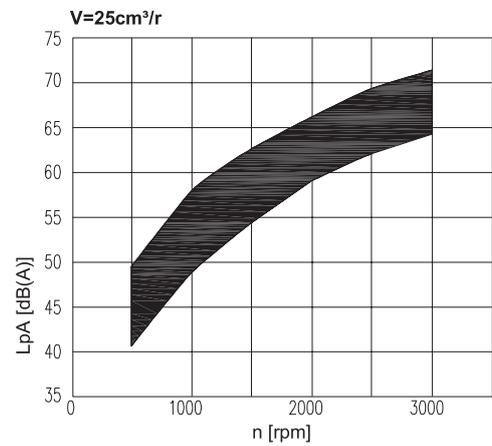
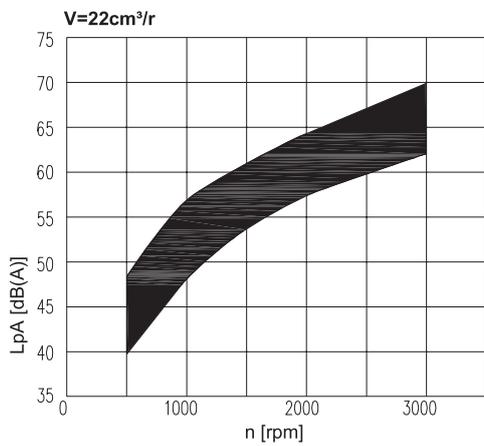
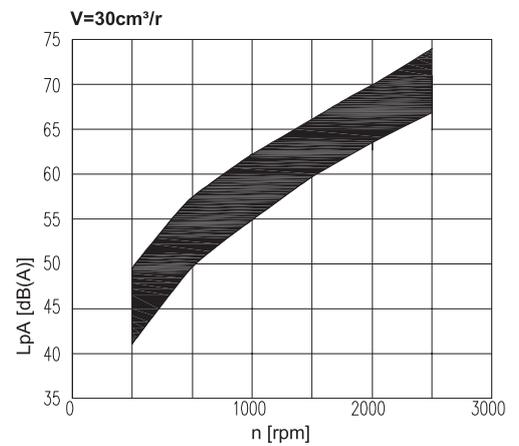
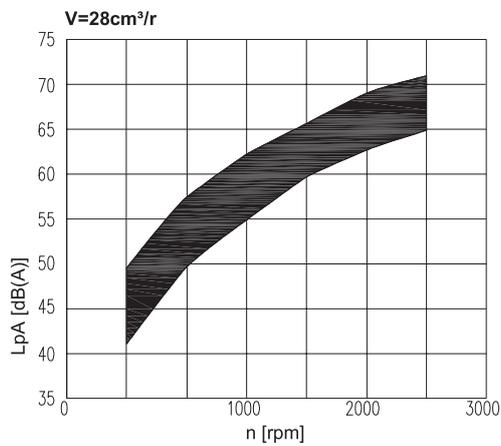
2系列/Group 2

2系列噪音曲线表/Group 2 Noise Curve Table



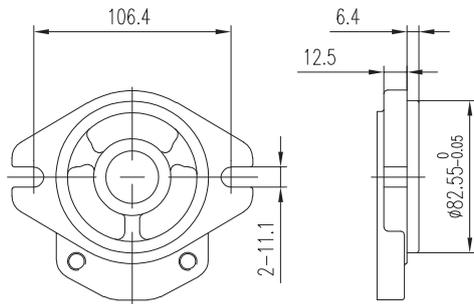
2系列/Group 2

2系列噪音曲线表/Group 2 Noise Curve Table

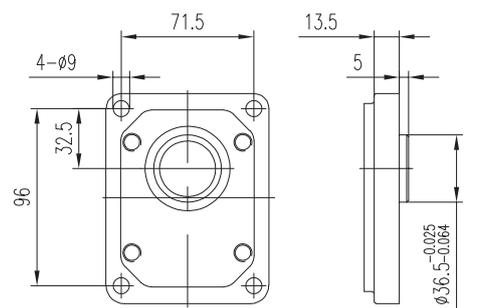


2系列/Group 2

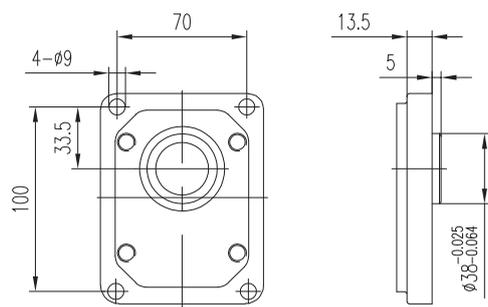
前盖/Front COVER



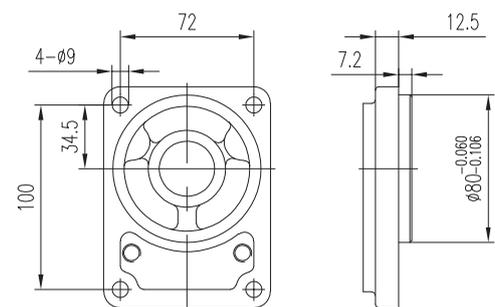
A0



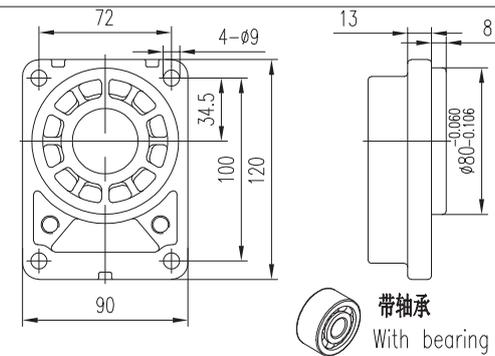
B0



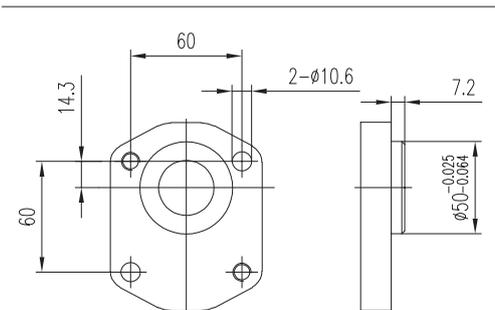
B1



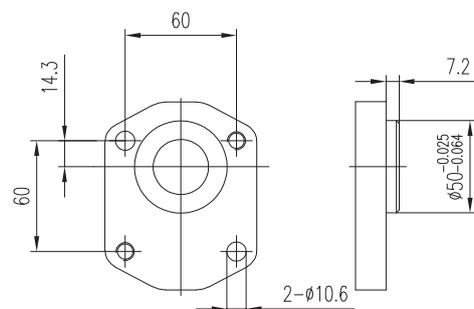
B2



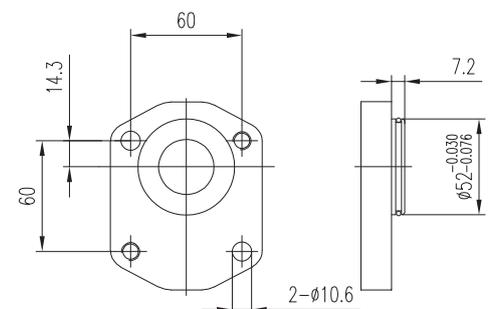
B3



Q0



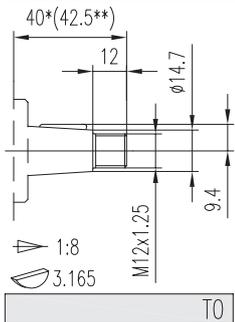
Q1



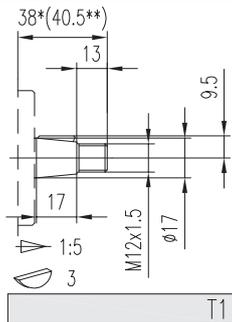
Q2

2系列/Group 2

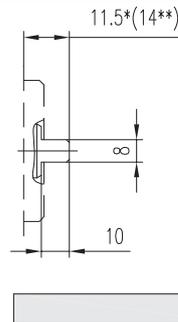
轴伸/SHAFTS



T0
最大扭矩
Max.Torque 200 Nm

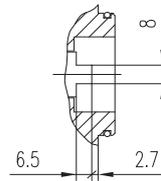


T1
最大扭矩
Max.Torque 180 Nm

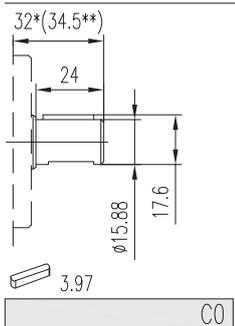


G0
最大扭矩
Max.Torque 100 Nm

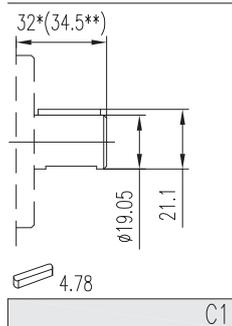
配Q2前盖
With Q2 front cover



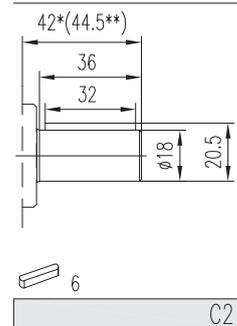
G1
最大扭矩
Max.Torque 100 Nm



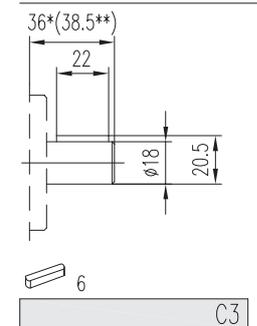
C0
最大扭矩
Max.Torque 140 Nm



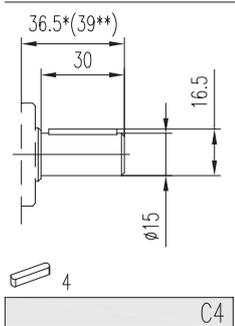
C1
最大扭矩
Max.Torque 160 Nm



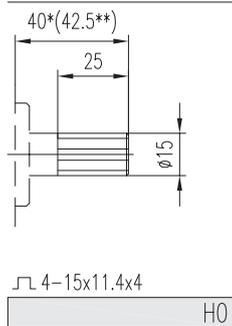
C2
最大扭矩
Max.Torque 150 Nm



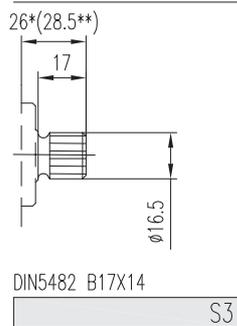
C3
最大扭矩
Max.Torque 150 Nm



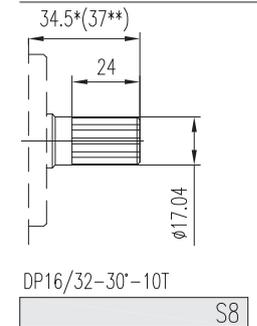
C4
最大扭矩
Max.Torque 135 Nm



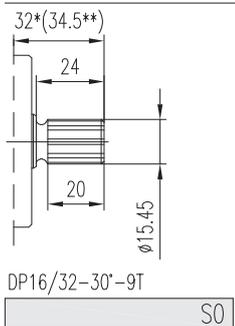
H0
最大扭矩
Max.Torque 185 Nm



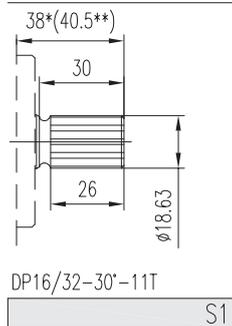
S3
最大扭矩
Max.Torque 150 Nm



S8
最大扭矩
Max.Torque 190 Nm



S0
最大扭矩
Max.Torque 185 Nm

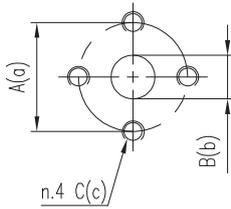


S1
最大扭矩
Max.Torque 200 Nm

- * 与前盖A□/B□配合尺寸
Dimension with front cover A□/B□
- ** 与前盖Q□配合尺寸
Dimension with front cover Q□

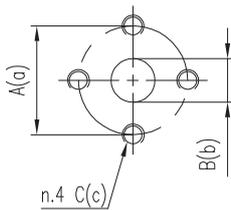
2系列/Group 2

泵体油口/PORTS



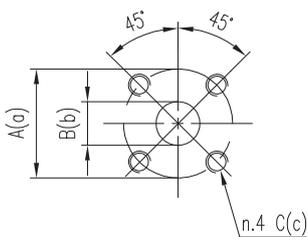
E0/E1/E2

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	3...8	30	13	M6	30	13	M6
E1	10...22	40	20	M8	30	13	M6
E2	25...30	40	22	M6	30	13	M6



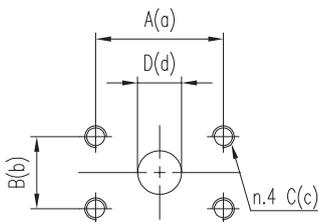
E3

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
E3	3...8	38	14	M8	38	10	M8
E3	10...22	38	18	M8	38	15	M8
E3	25...30	38	20	M8	38	15	M8



F0/F1/F13

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	3...8	40	15	M6	35	15	M6
F1	10...30	40	20	M8	35	15	M6
F13	10...30	40	20	M6	40	20	M6

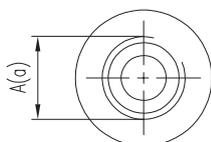


F2/F3/F4

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
F2	3...16	38.1	17.48	5/16-18UNC	13	38.1	17.48	5/16-18UNC	13
F3	18...20	47.63	22.23	3/8-16UNC	20	38.1	17.48	5/16-18UNC	13
F4	22...30	47.63	22.23	3/8-16UNC	20	47.63	22.23	3/8-16UNC	20

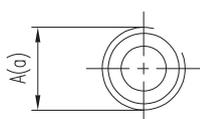
2系列/Group 2

泵体油口/PORTS



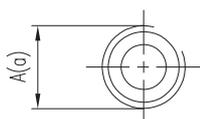
L0/L1

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



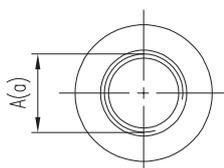
R0/R1/R2

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



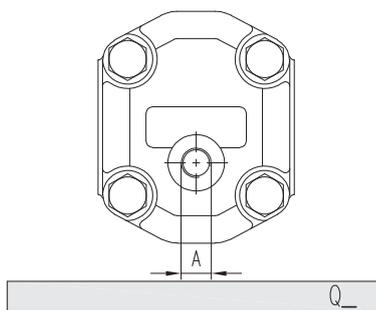
O型圈密封
O-ring

U0/U1

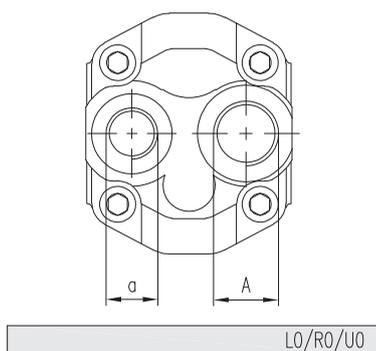
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
U0	3...28	1 1/16-12 UNF	7/8-14 UNF
U1	30	1 5/16-12 UNF	7/8-14 UNF

2系列/Group 2

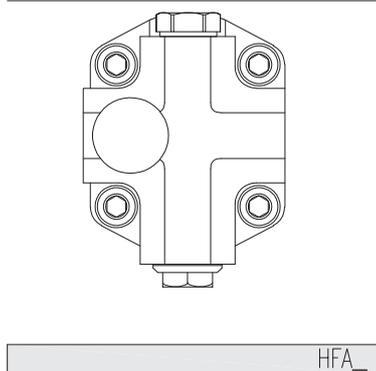
特殊结构/SPECIAL STRUCTRE



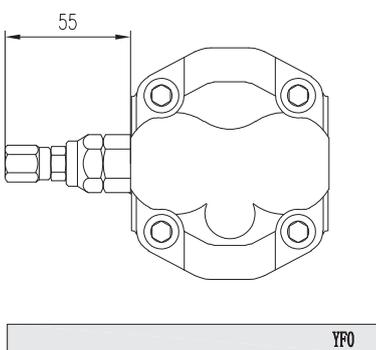
代号 CODE	泄油口 oil drain
	A
Q1	G1/4
Q2	9/16-18UNF



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



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

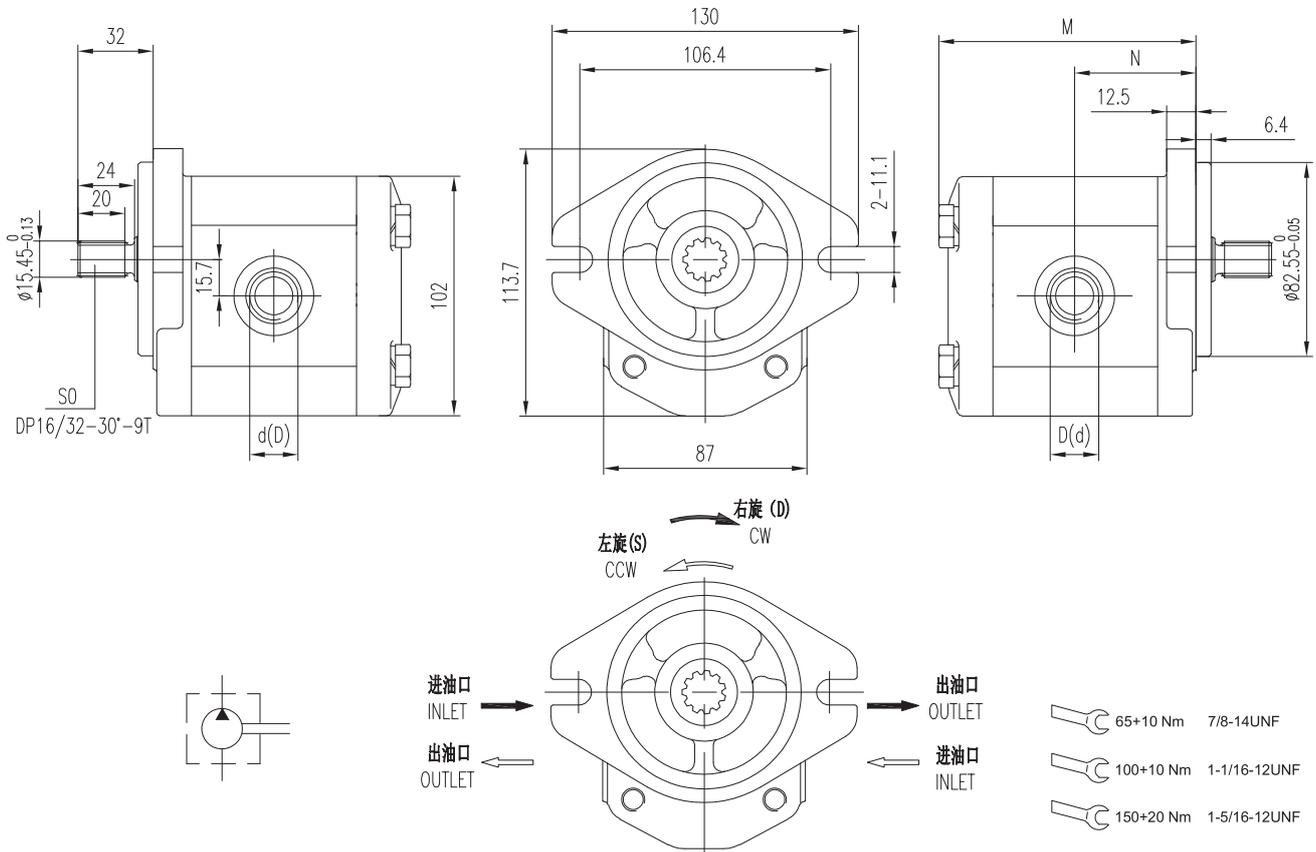


代号 CODE	溢流阀调压范围 Pressure regulating range of overflow valve
YFO	20...250(bar)

2系列/Group 2

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

BHP2-A0-**D**-**3**-S0-**U0**

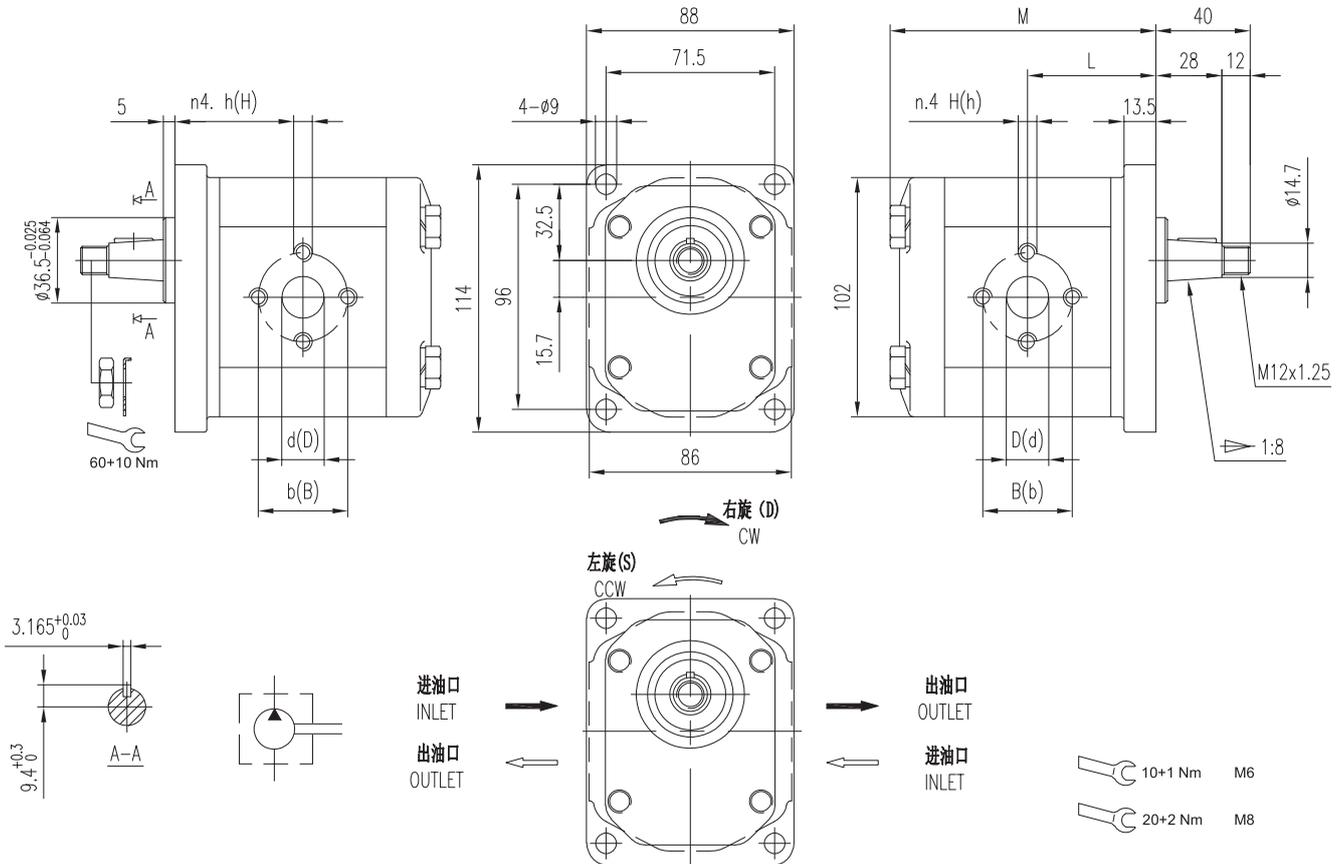


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L		D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm			
3	270	285	300	4000	800	3.35	91.1	43.6	U0	1 1/16-12UNF	7/8-14UNF
4	270	285	300	4000	600	3.4	92.7	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

BHP2-B0-**D**-**3**-T0-**E0**

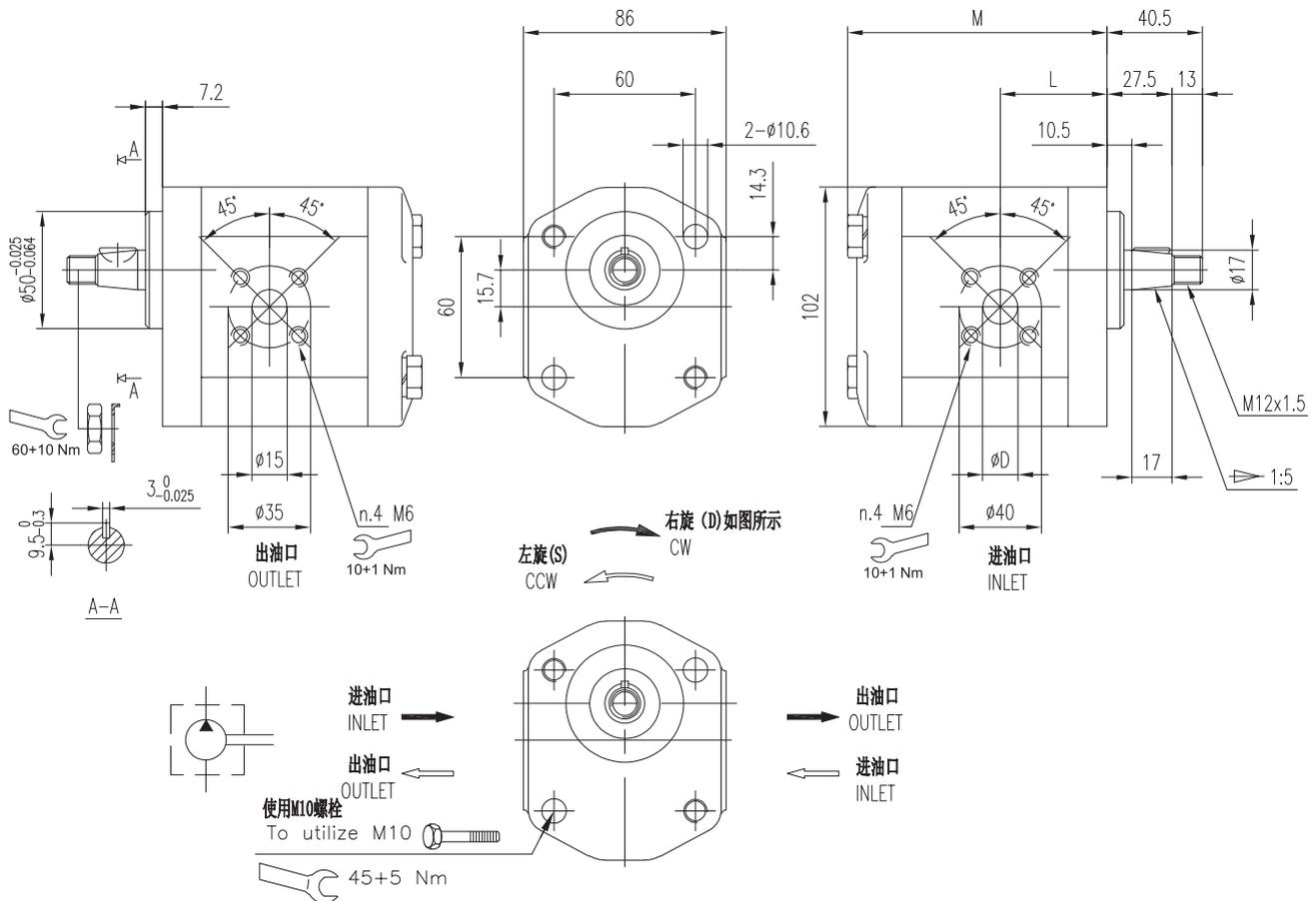


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	H	b	d	h
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
3	270	285	300	4000	800	3.35	91.1	43.6	E0	30	13	M6	30	13	M6
4	270	285	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

BHP2-Q0-**D**-**3**-T1-**F0**

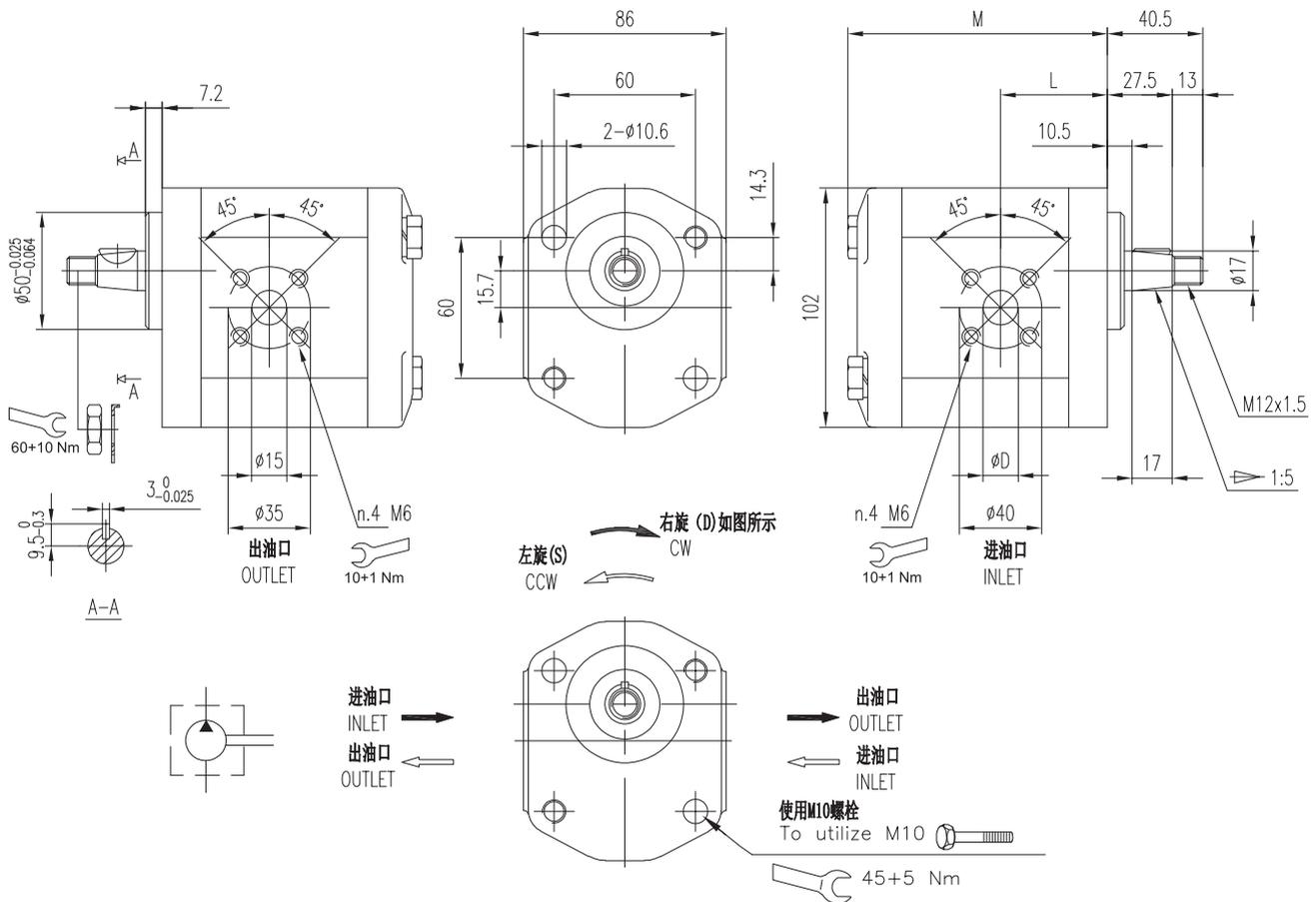


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	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

BHP2-Q1-**D**-**3**-T1-**F0**

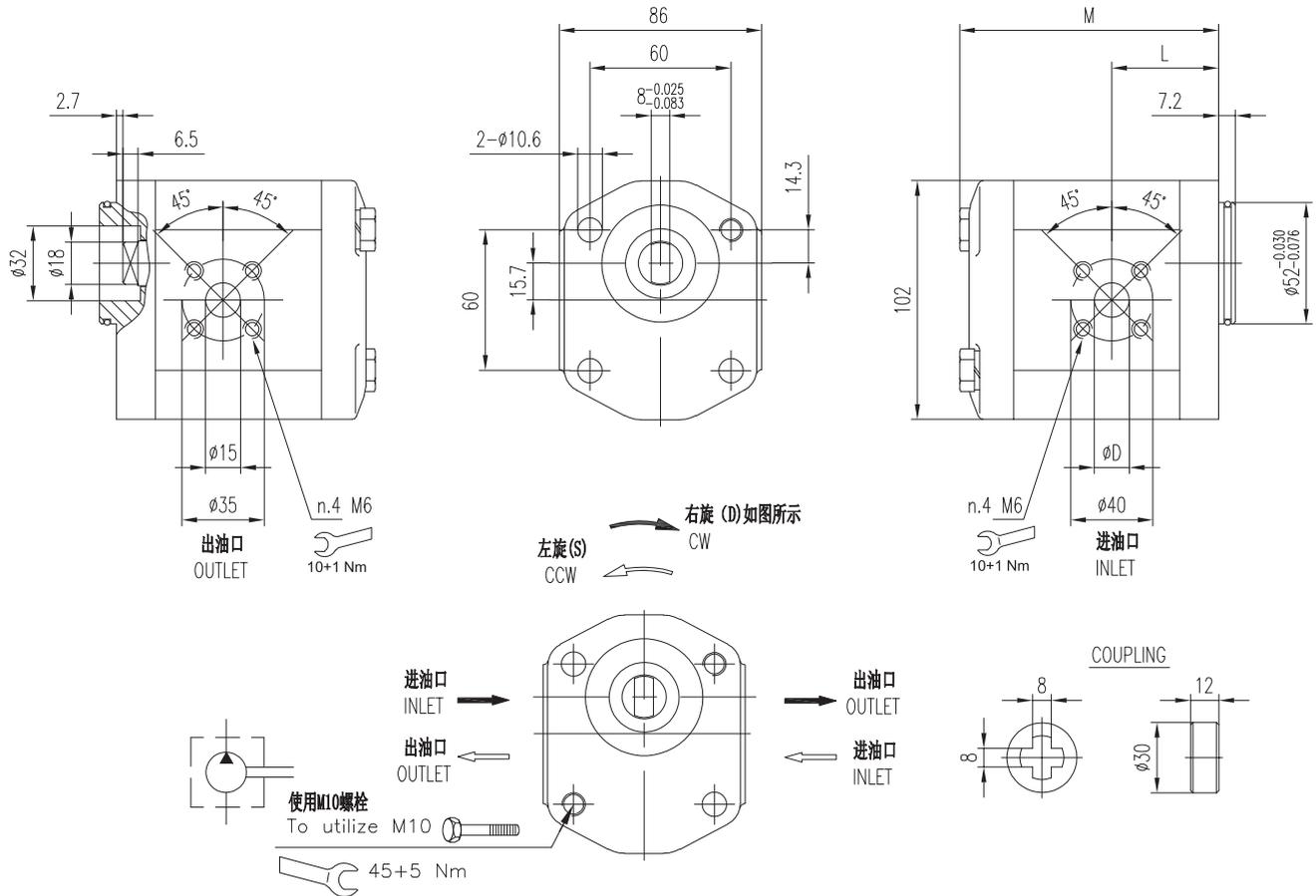


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	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

BHP2-Q2-**D**-**3**-G1-**F0**

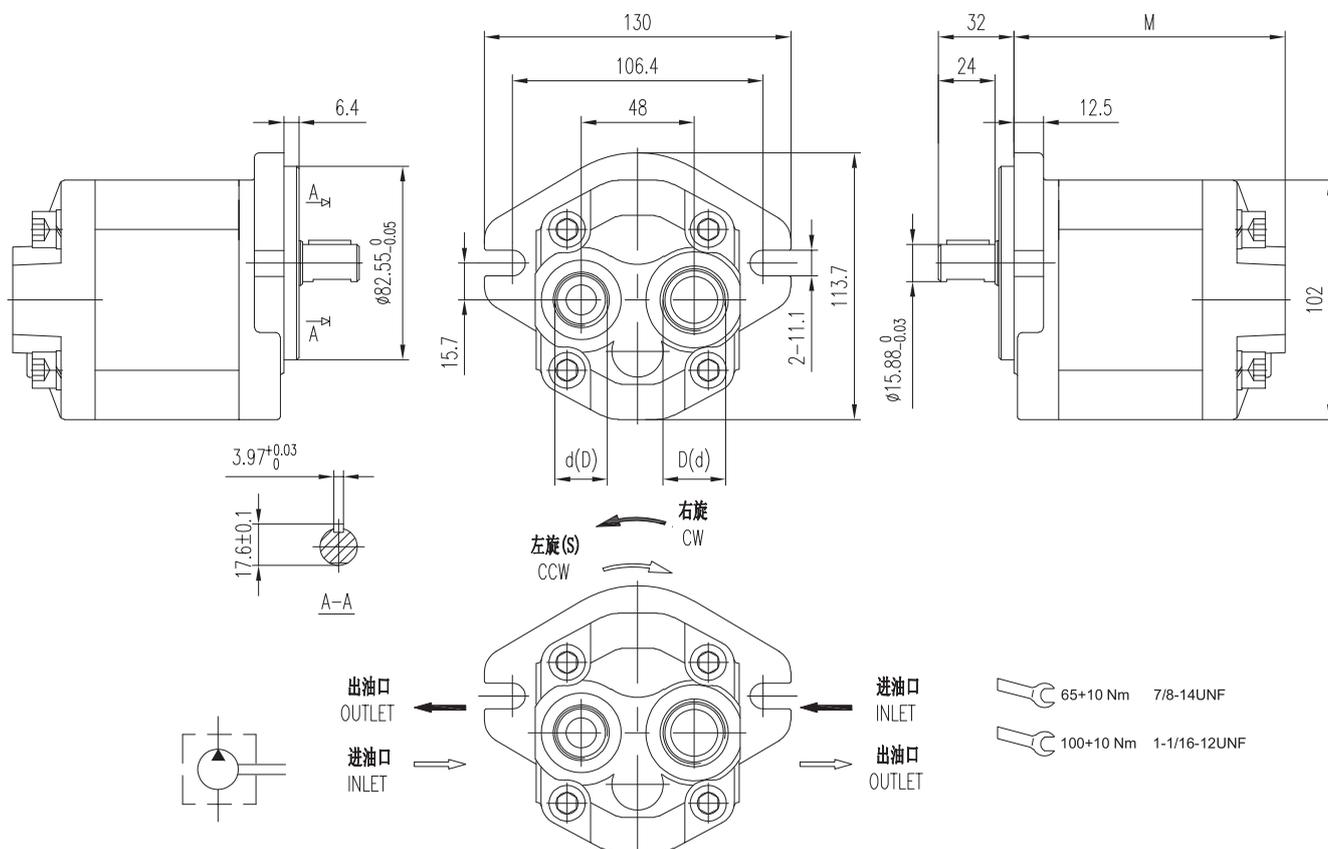


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm
3	270	285	300	4000	800	3.35	88.6	37.4	F0	15
4	270	285	300	4000	600	3.4	90.2	37.4	F0	15
6	270	285	300	4000	600	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

BHP2-A0-**D**-**3**-CO-X-**U0**

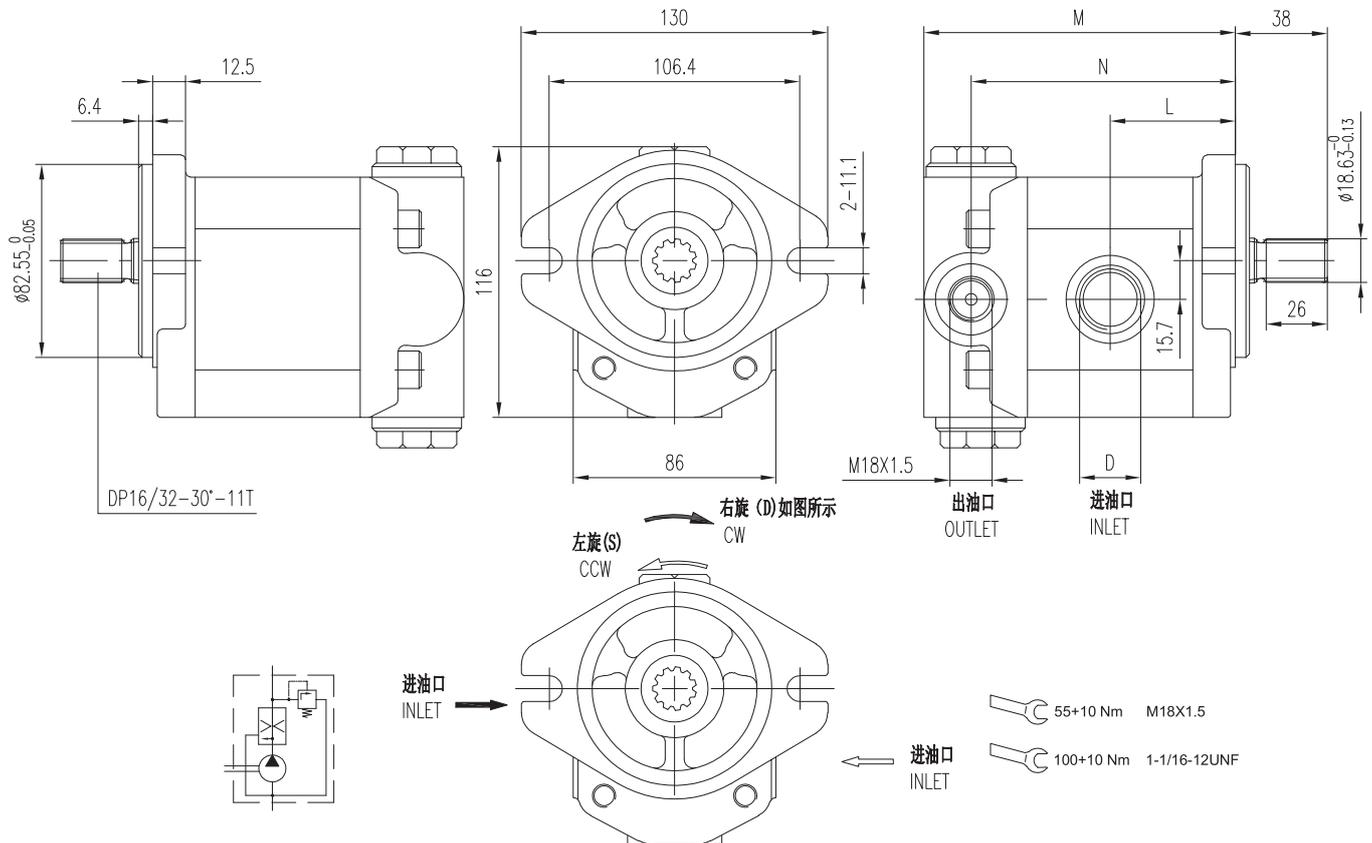


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET		出油口 OUELET	
	P1	P2	P3						D	d		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm					
3	270	285	300	4000	800	3.4	103.1	U0	1 1/16-12UNF	7/8-14UNF		
4	270	285	300	4000	600	3.45	104.7	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

BHP2-A0-**D**-**3**-S1-UJ4-HFAC19T-**P150**-**F04**

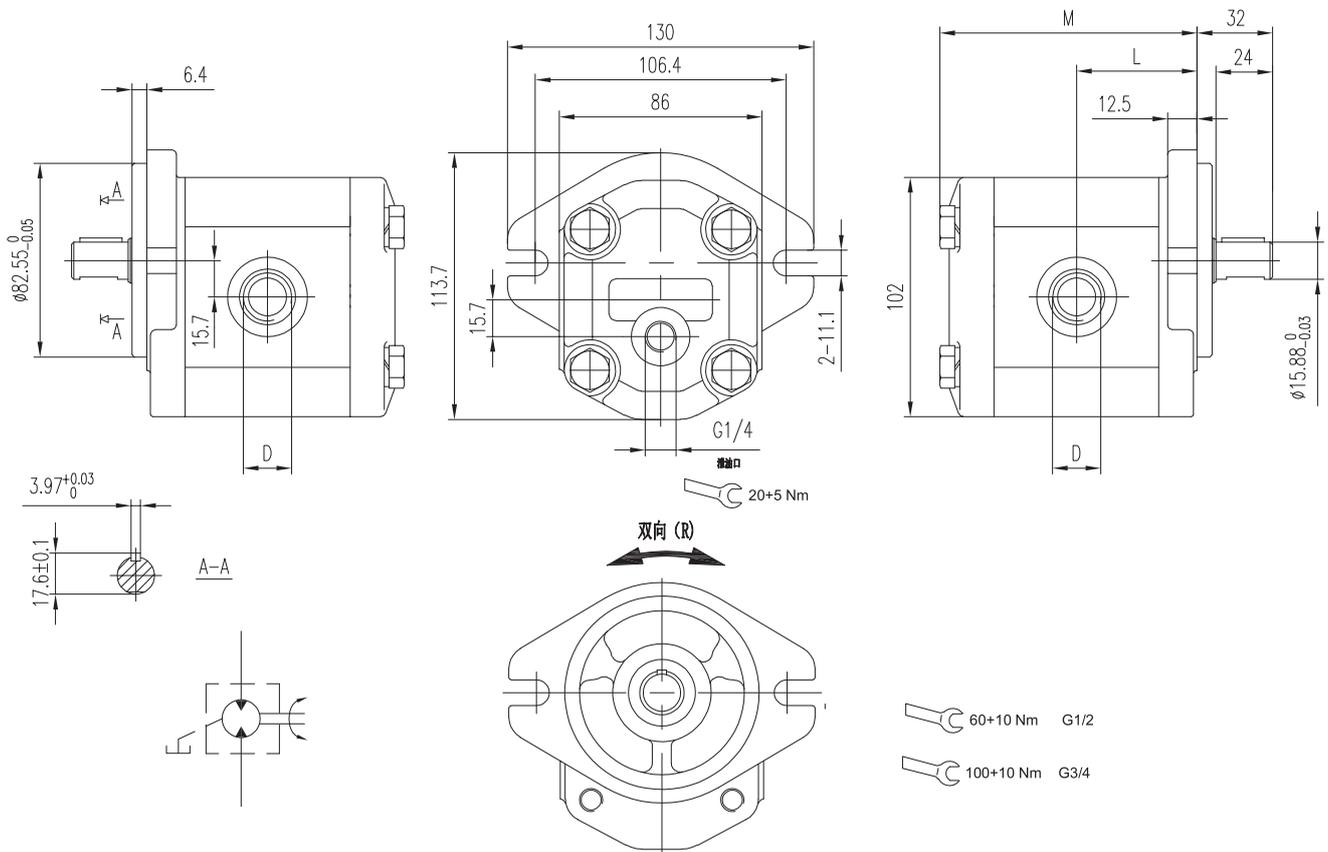


排量 Displacement	控制压力 Control pressure	控制流量 Control flow	最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET
						M	L	N		
(cm ³ /rev)	bar	L/min	(r/min)	(r/min)	Kg	mm	mm	mm		D
3	100...180	2...30	4000	800	4.1	113.1	43.6	93.6	UJ4	1 1/16-12UNF
4			4000	600	4.15	114.7	44.4	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

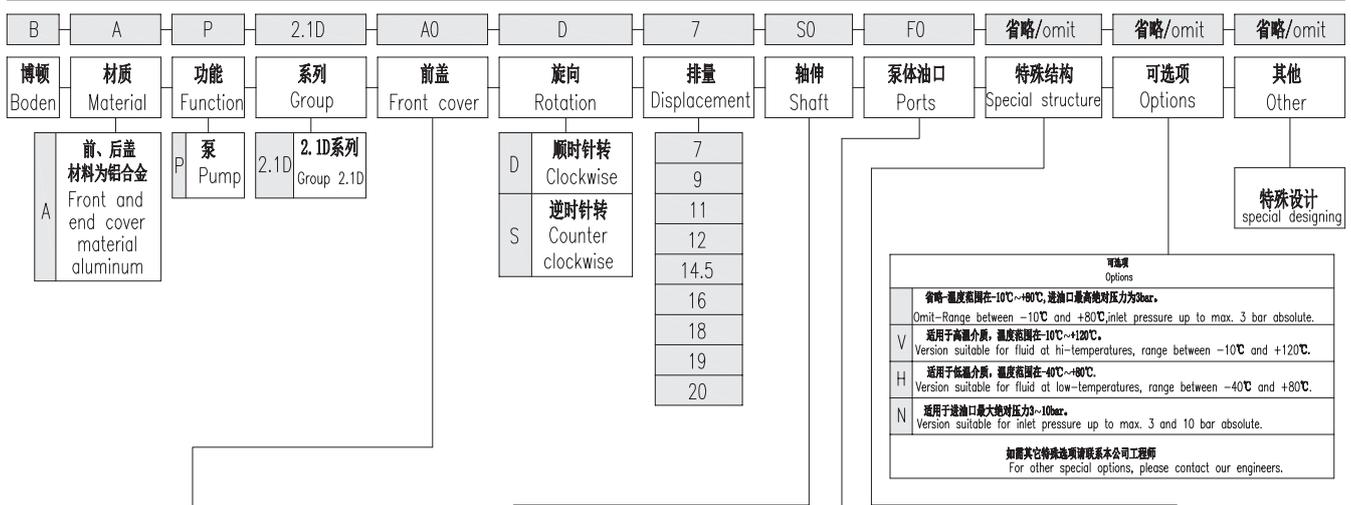
BHM2-A0-R-**3**-C0-**L0**-Q1

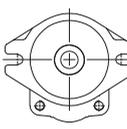
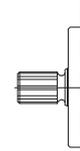
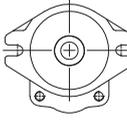
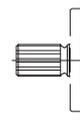


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	油口 Let
	P1	P2	P3				M	L		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		
3	270	285	300	4000	800	3.35	91.1	43.6	L0	G1/2
4	270	285	300	4000	600	3.4	92.7	44.4	L0	G1/2
6	270	285	300	4000	600	3.5	96	46	L0	G1/2
8	270	285	300	3500	500	3.6	99.3	47.7	L1	G3/4
10	270	285	300	3500	500	3.7	102.6	49.3	L1	G3/4
12	270	285	300	3500	500	3.8	105.9	51	L1	G3/4
14	250	265	280	3500	500	3.9	109.3	52.7	L1	G3/4
16	250	265	280	3500	500	4.0	112.7	54.4	L1	G3/4
18	250	265	280	3200	400	4.1	116	56	L1	G3/4
20	220	235	250	3200	400	4.2	119.3	57.7	L1	G3/4
22	220	235	250	3000	400	4.3	122.6	59.3	L1	G3/4
25	200	215	230	3000	400	4.45	127.6	61.8	L1	G3/4
28	180	190	200	2500	400	4.6	132.6	64.3	L1	G3/4
30	160	170	180	2500	400	4.7	135.9	66	L1	G3/4

2.1D系列/Group 2.1D

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



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 DP16/32-30'-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 DP16/32-30'-10T 	Z	公制螺纹(M) Metric thread 		
				L	英制管螺纹(G) Gas thread 		
详见 122 页 See page 122 for details		详见 122 页 See page 122 for details		详见 123 页 See page 123 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

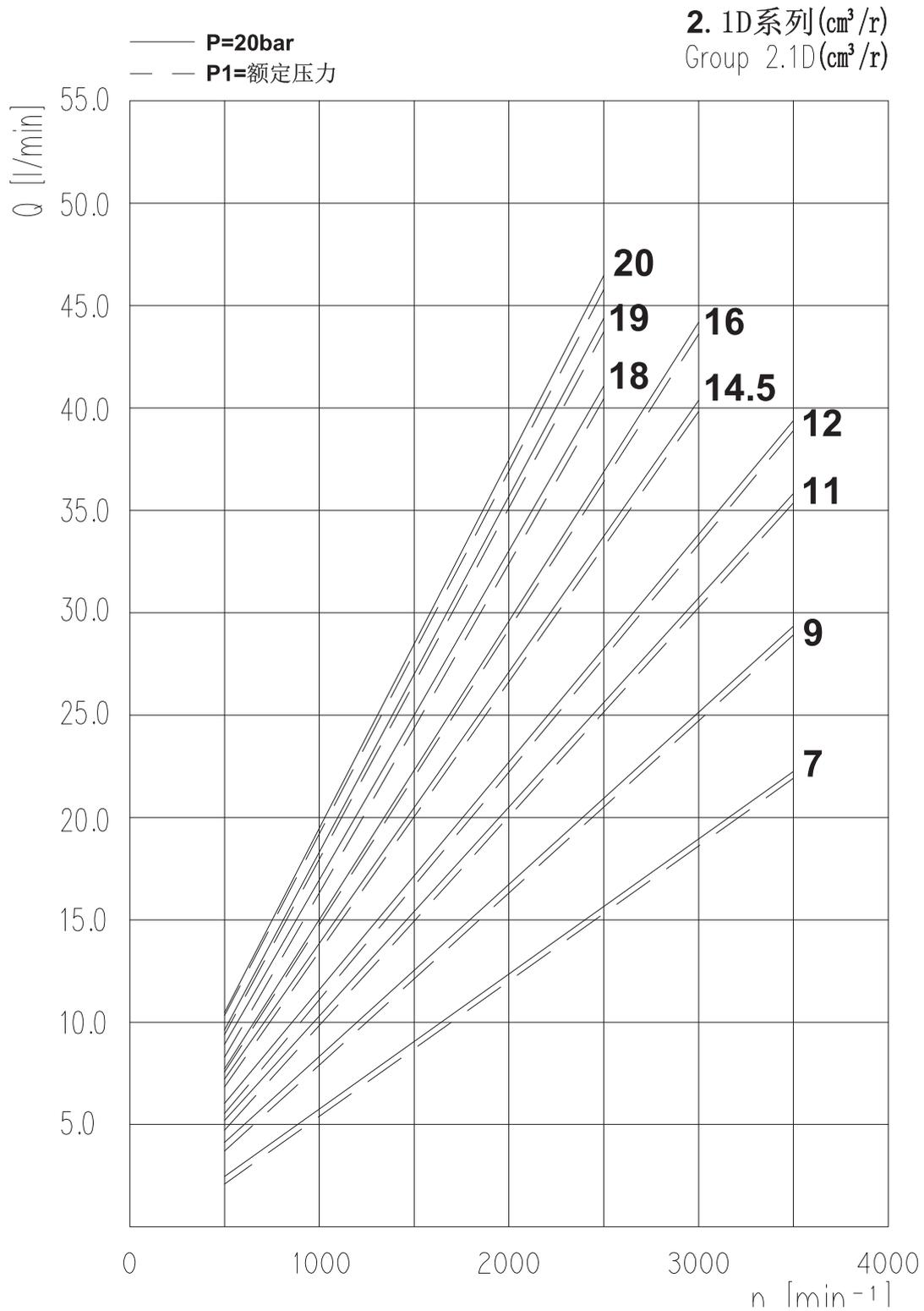
型式 type		
页码 page	124	125

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	\dot{n}_{Min}	r/min	500								
最高转速 Max. speed	\dot{n}_{Max}		3000								
容积效率 Volumetric efficiency	η_v	%	≥93								

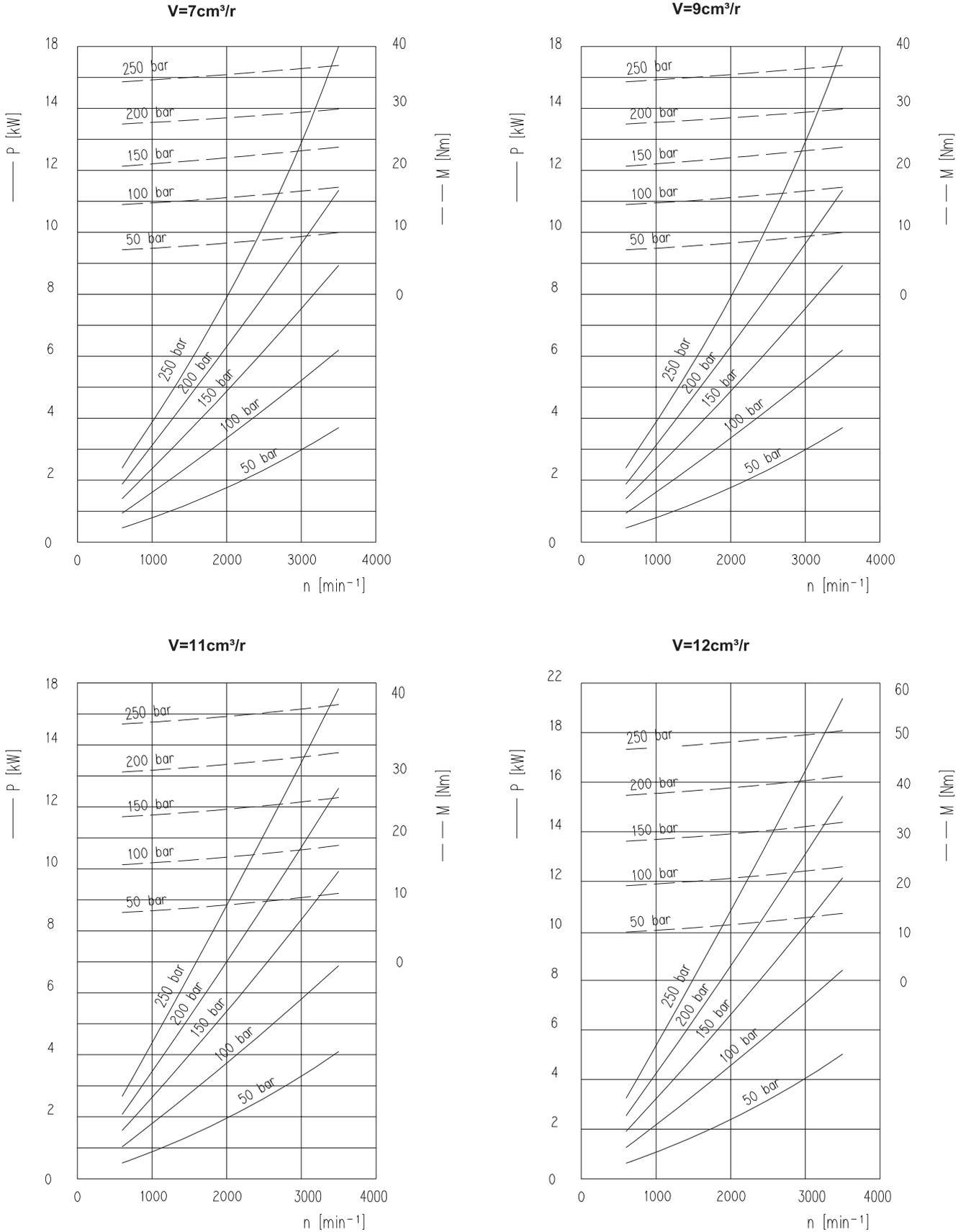
2.1D系列/Group 2.1D

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



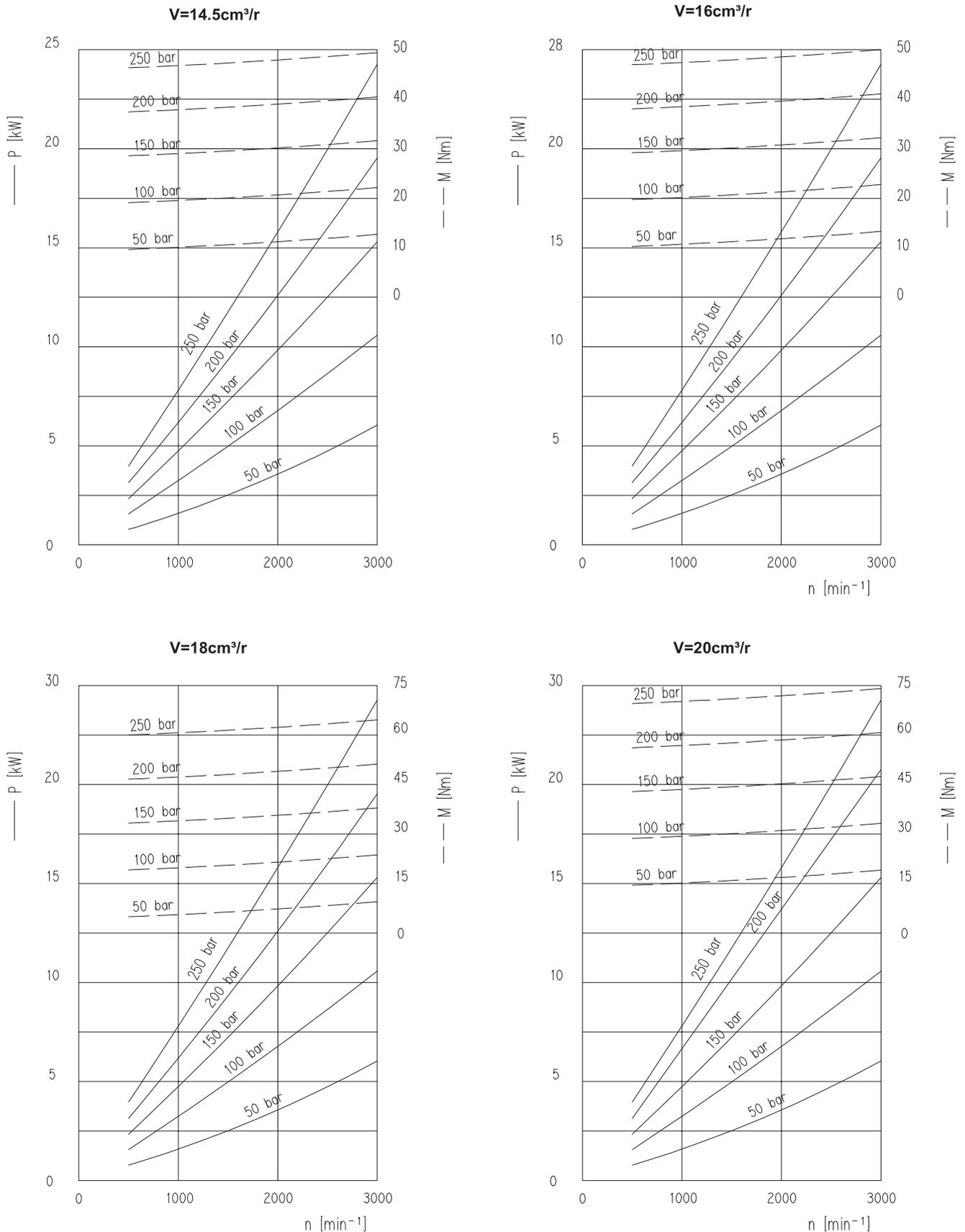
2.1D系列/Group 2.1D

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

2.1D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: $v = 32 \text{ mm}^2/\text{s}$, $\vartheta = 50^\circ\text{C}$.

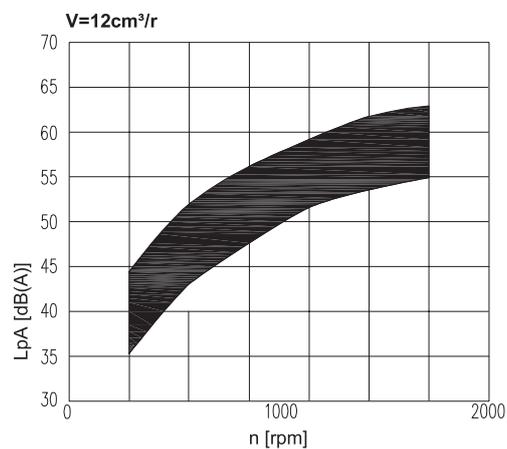
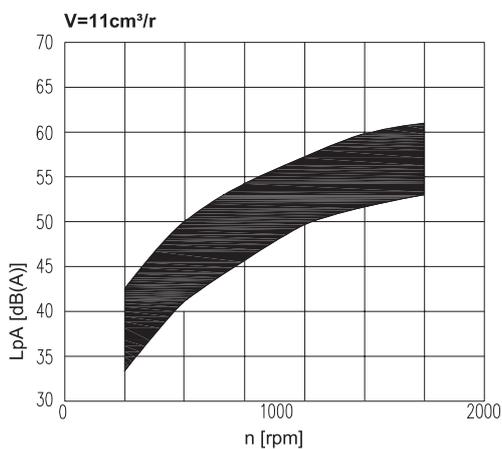
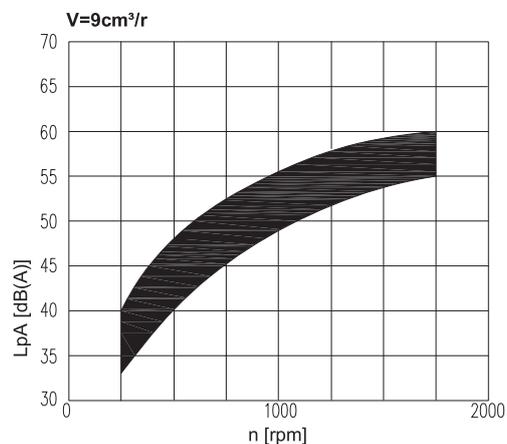
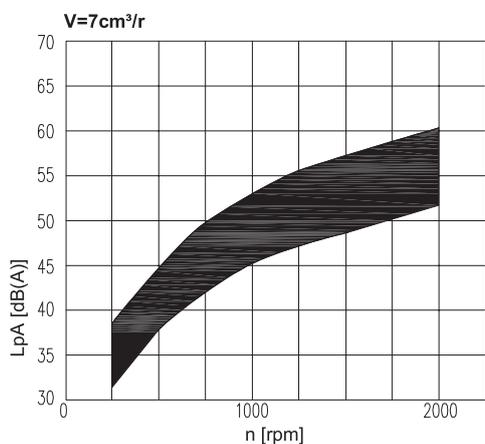
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\vartheta = 50^\circ\text{C}$.

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.

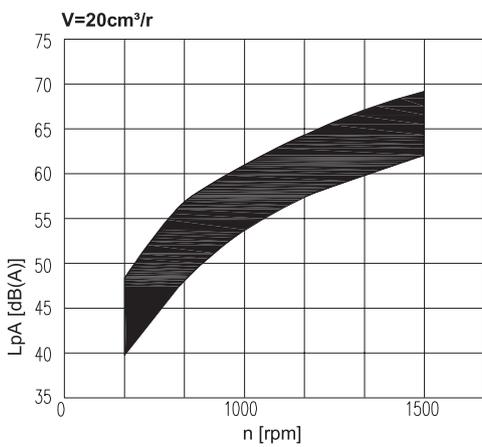
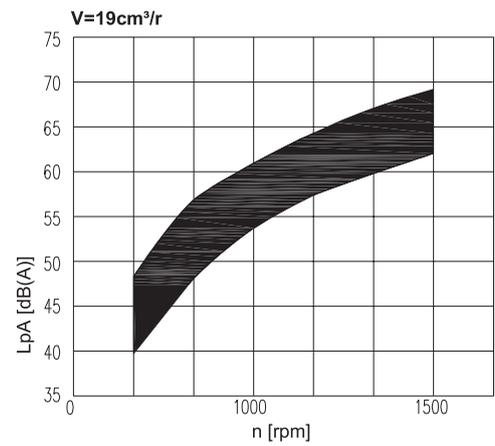
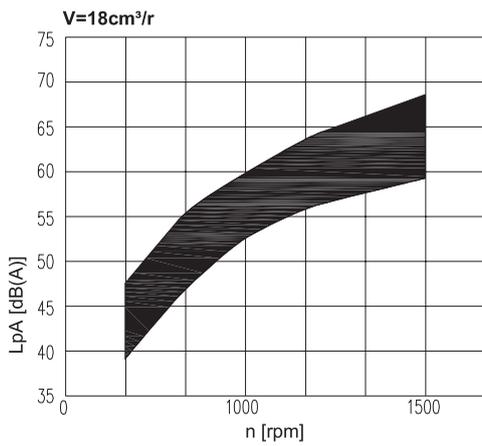
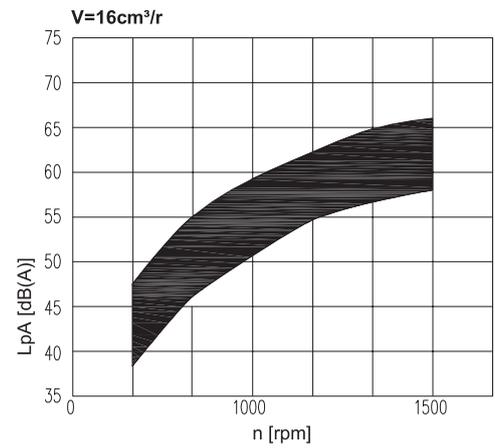
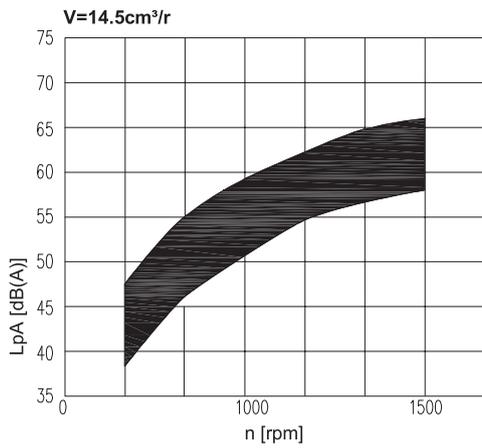
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



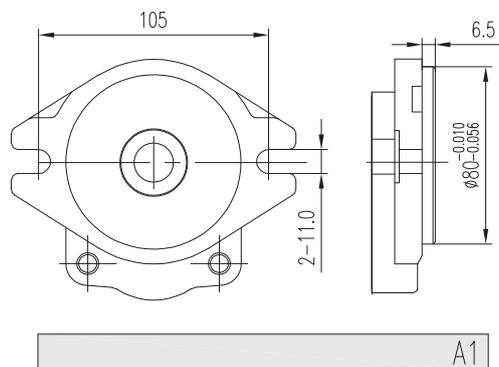
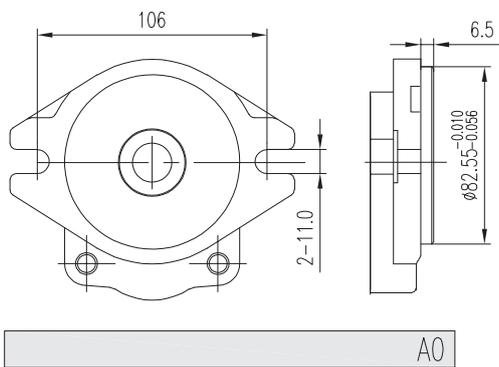
2.1D系列/Group 2.1D

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

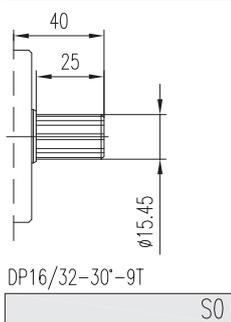


2.1D系列/Group 2.1D

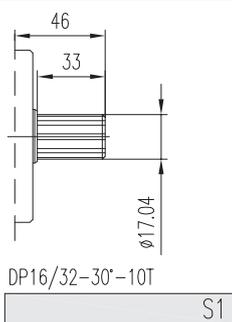
前盖/Front COVER



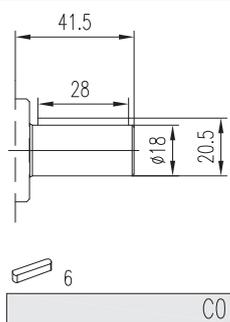
轴伸/SHAFTS



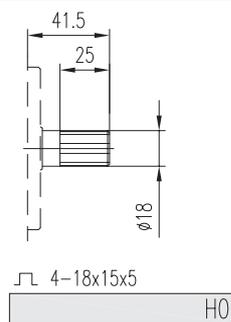
最大扭矩
Max.Torque 185 Nm



最大扭矩
Max.Torque 200 Nm



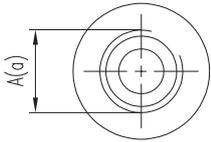
最大扭矩
Max.Torque 150 Nm



最大扭矩
Max.Torque 200 Nm

2.1D系列/Group 2.1D

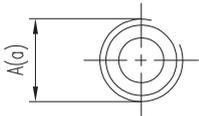
泵体油口/PORTS



O型圈密封
O-ring

L0

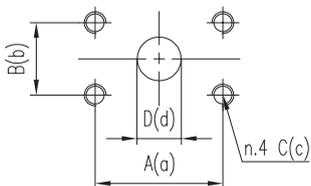
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	7...20	A	a



O型圈密封
O-ring

Z0

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



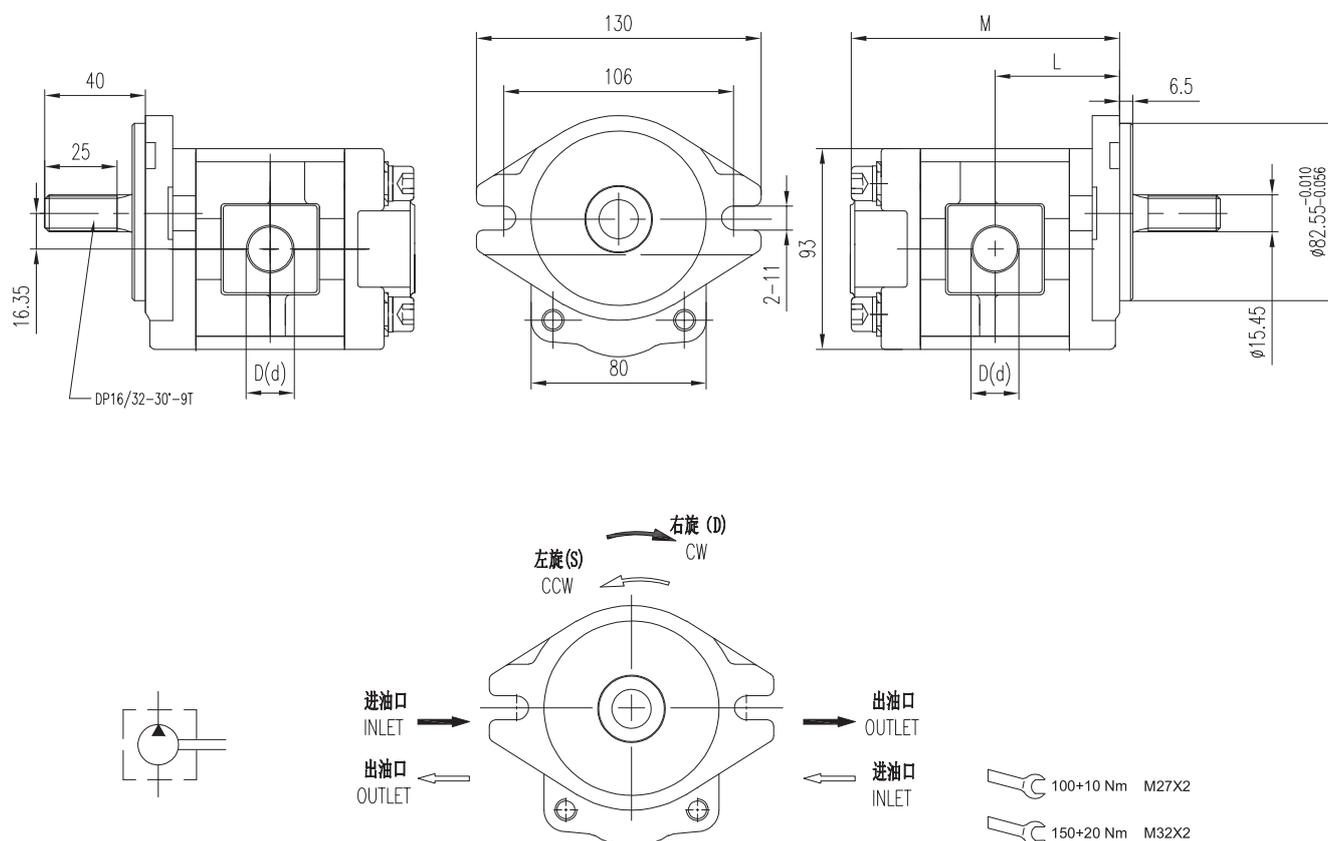
F0

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

BAP2.1D-A0-**D**-**7**-S0-**Z0**

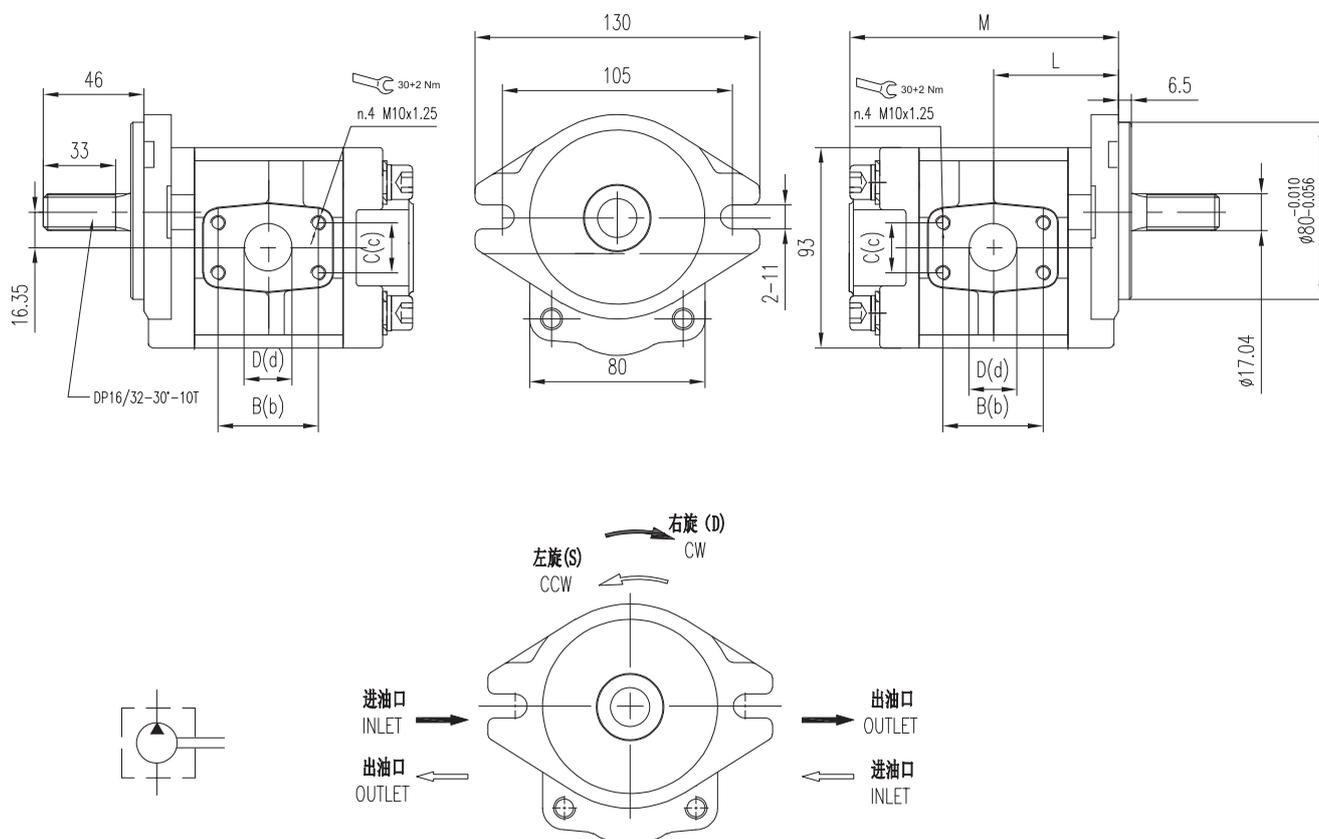


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		D	d		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm					
7	200	230	250	3000	500	3.35	115.3	52.6	Z0	M33X2	M27X2		
9	200	230	250	3000	500	3.4	116.5	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		

2.1D系列/Group 2.1D

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

BAP2.1D-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

B	A	P	2.5	A0	D	10	C0	Z0	省略/omit	省略/omit	省略/omit
博顿 Boden	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 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 适用于进出口最大绝对压力~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.	

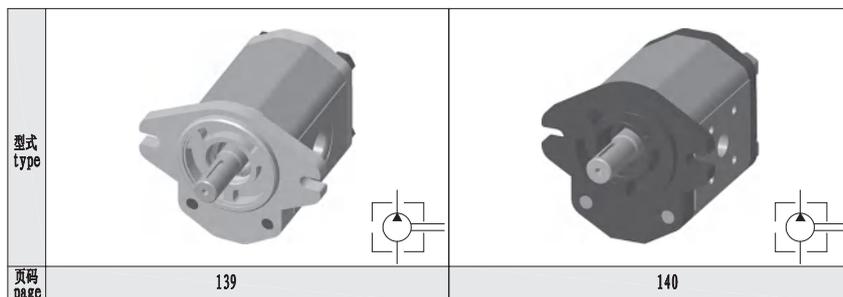
前盖 Front cover		轴伸 Shaft		泵体油口 Ports		特殊结构 Special structure	
A0	菱形前盖(止口φ85) Diamond front cover (centering φ85mm) 	C0	平键轴 φ20 straight keyed φ20 	E	矩形法兰 Rectangular flange 	省略-默认普通 omit-regular 	
		C1	平键轴 φ18 straight keyed φ18 	F	矩形法兰 Rectangular flange 		
A1	菱形前盖(止口φ82.55) Diamond front cover (centering 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 JL 6-20x16x4 	Z	公制螺纹 (M) Metric thread 		
		H1	矩形花键轴 Rectangle spline shaft JL 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 136 页 				
详见 136 页 See page 136 for details		详见 136 页 See page 136 for details		详见 137-138 页 See page 137-138 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

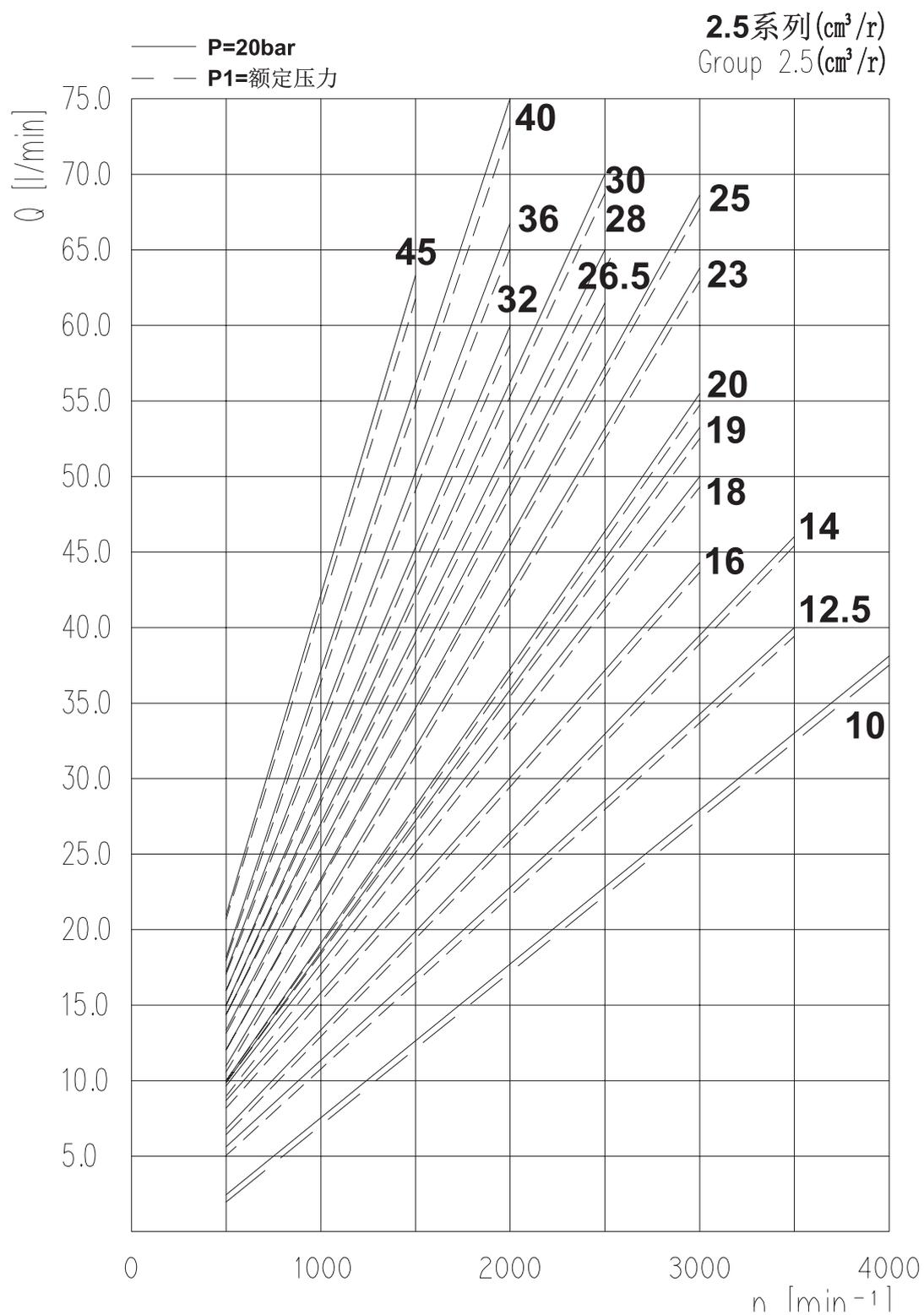


2.5系列排量参数表/Group 2.5 Displacement parameter table

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					

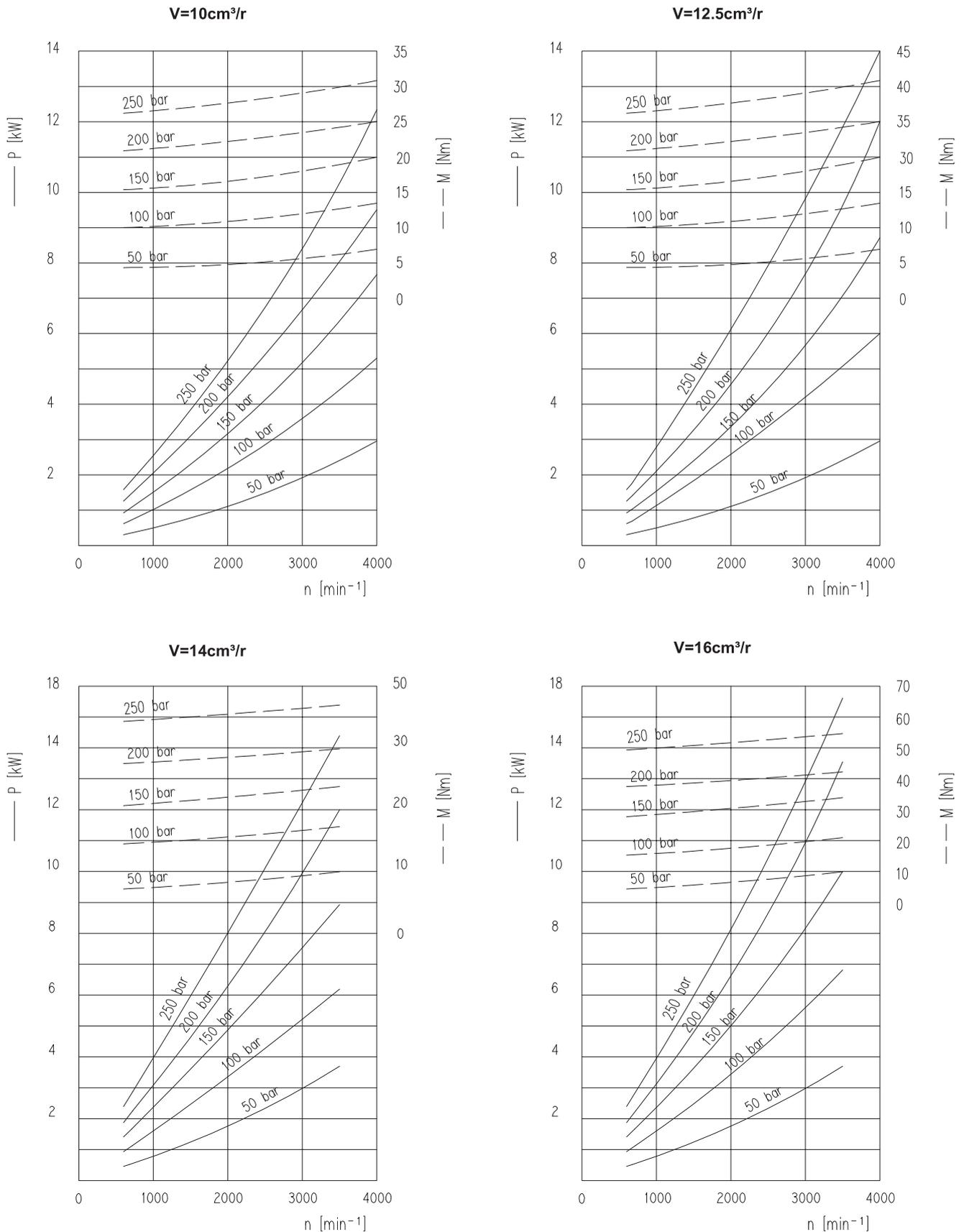
2.5系列/Group 2.5

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



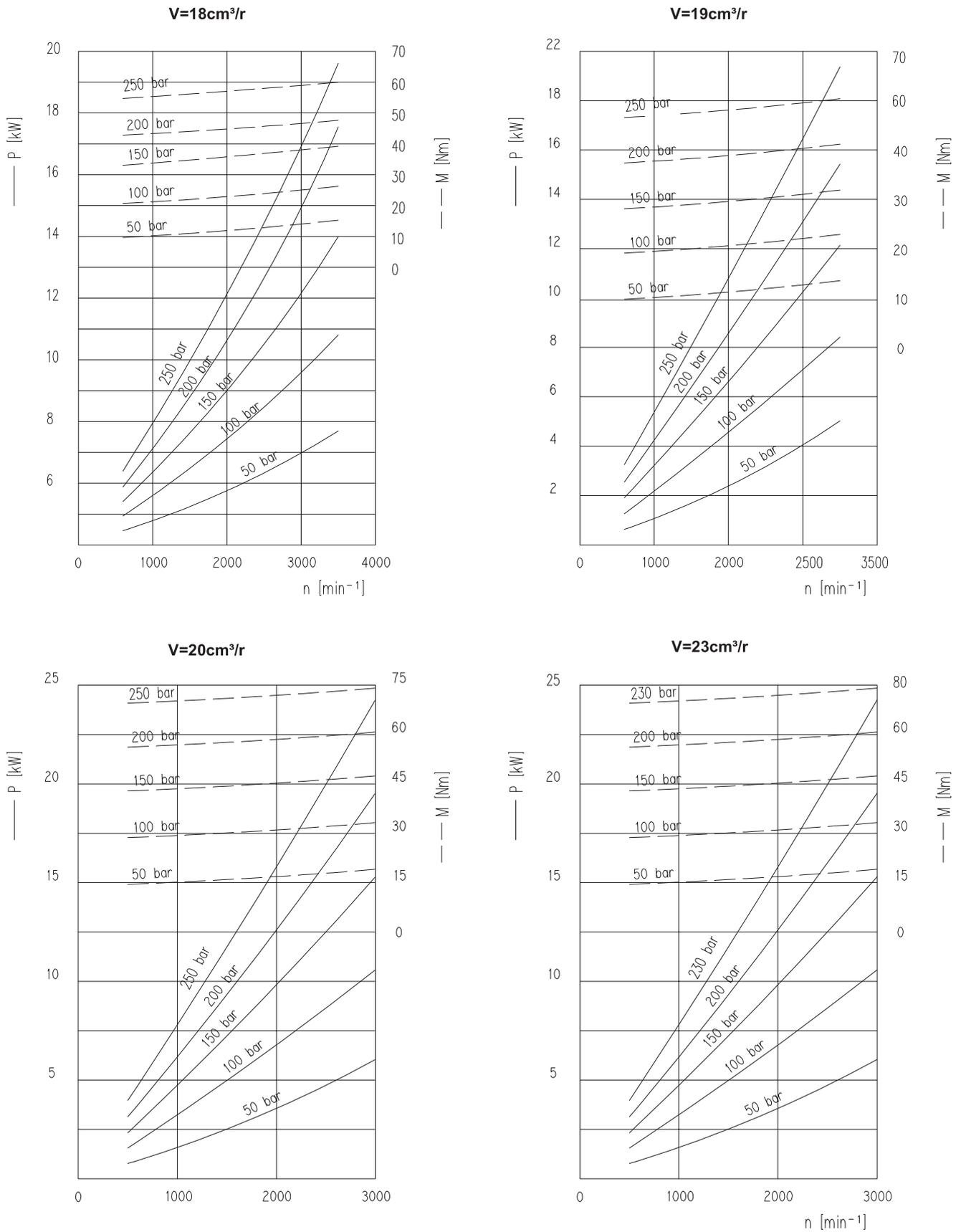
2.5系列/Group 2.5

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



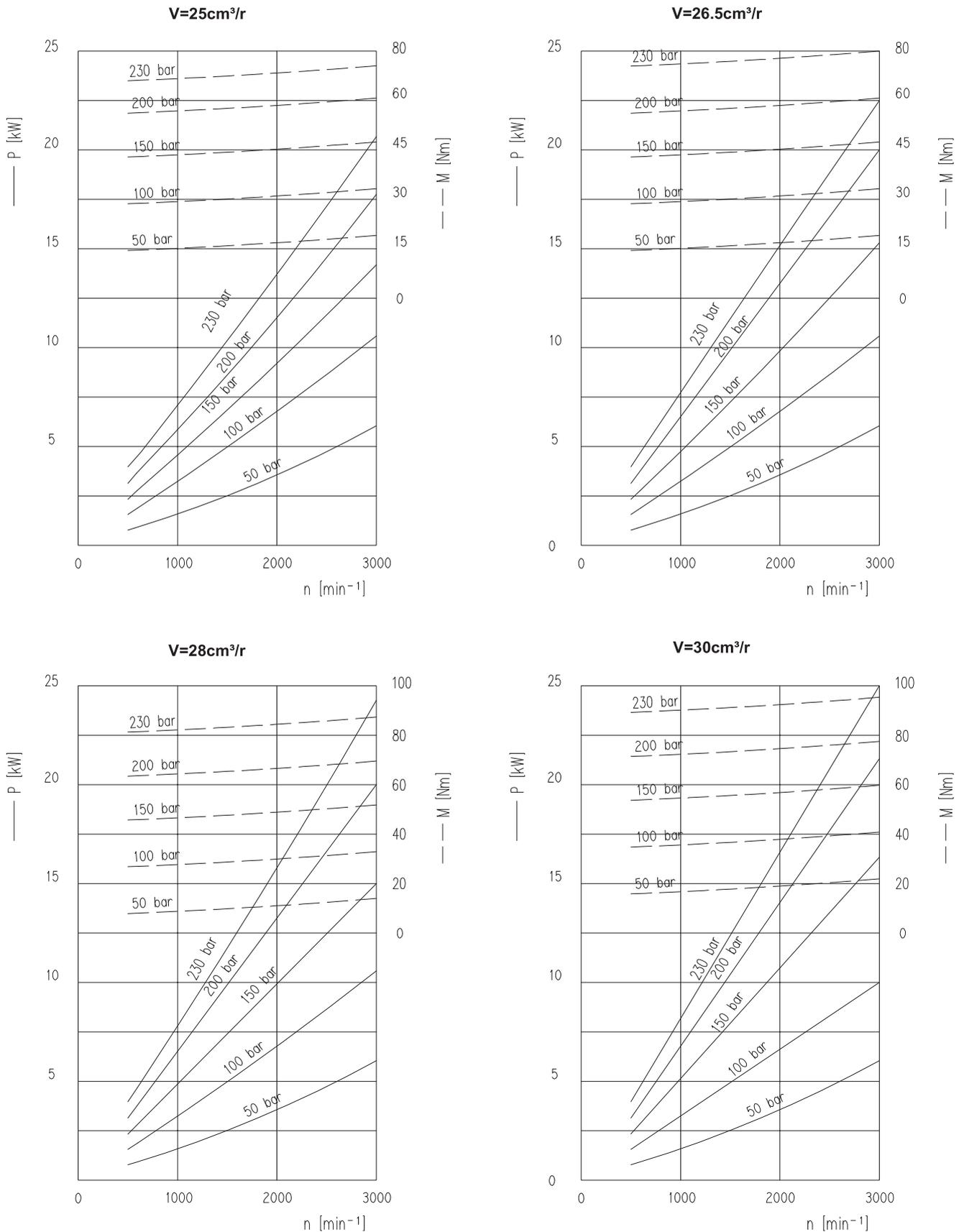
2.5系列/Group 2.5

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



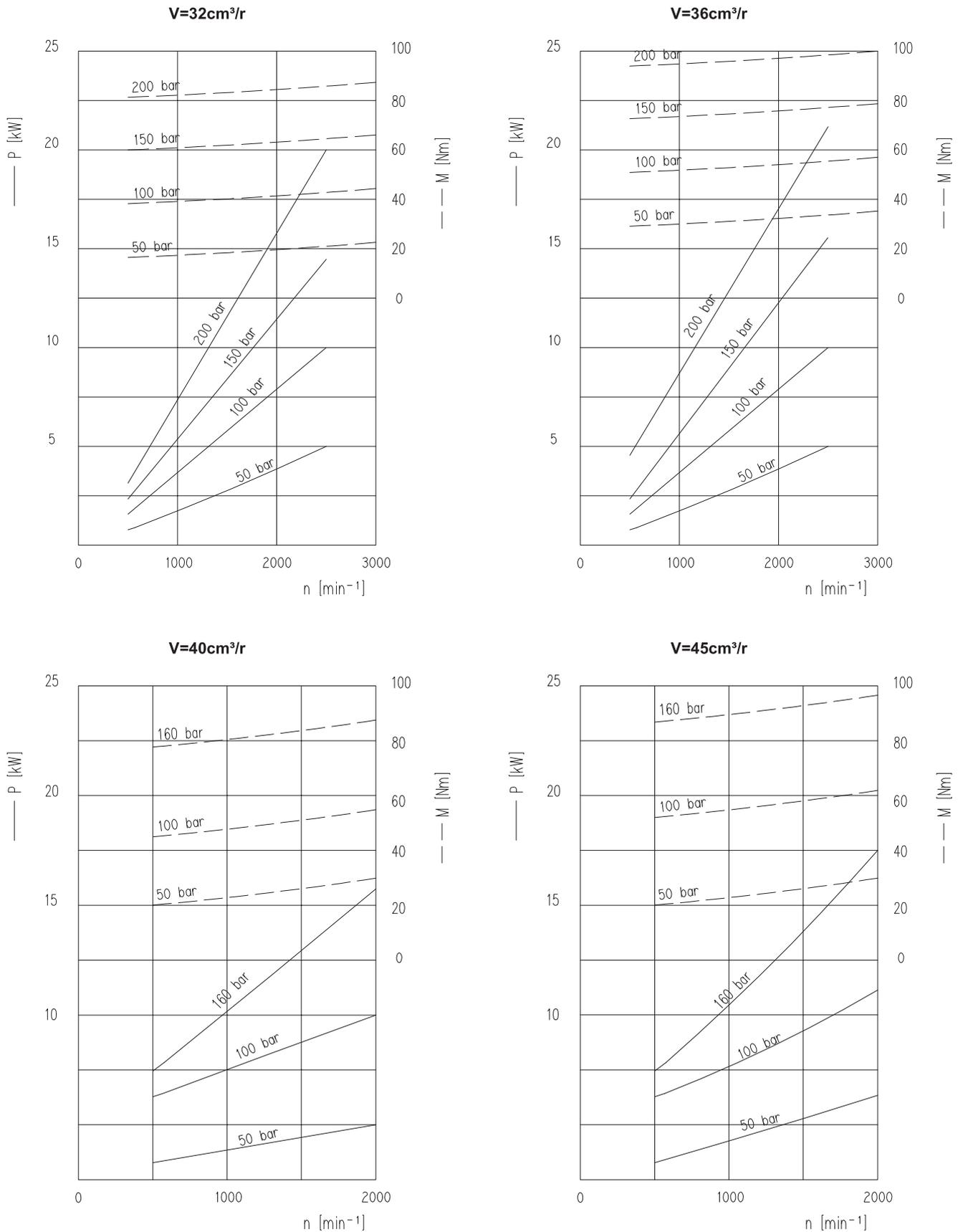
2.5系列/Group 2.5

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: $v = 32 \text{ mm}^2/\text{s}$, $\vartheta = 50^\circ\text{C}$.

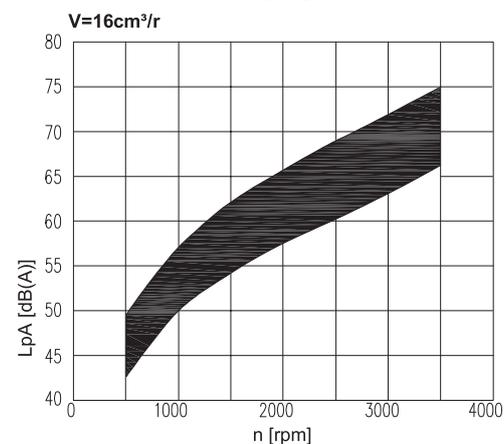
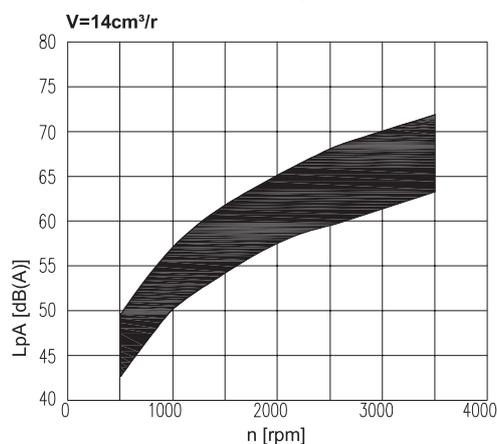
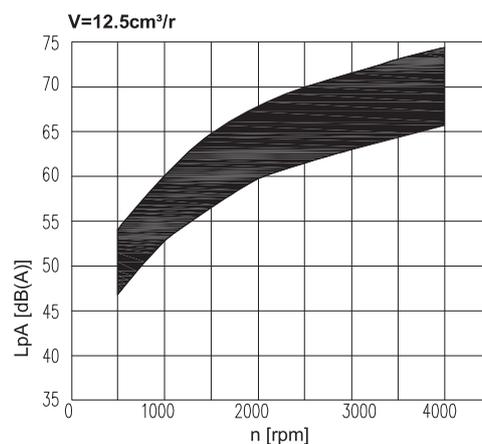
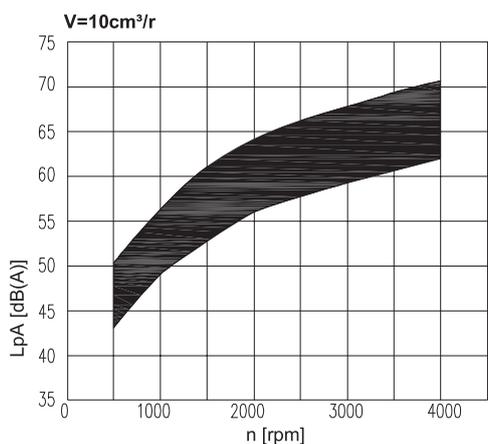
Oil data: $V=32\text{mm}^2/\text{s}, \vartheta=50^\circ\text{C}$.

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.

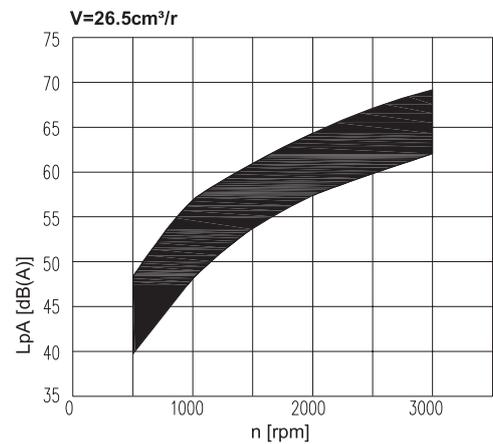
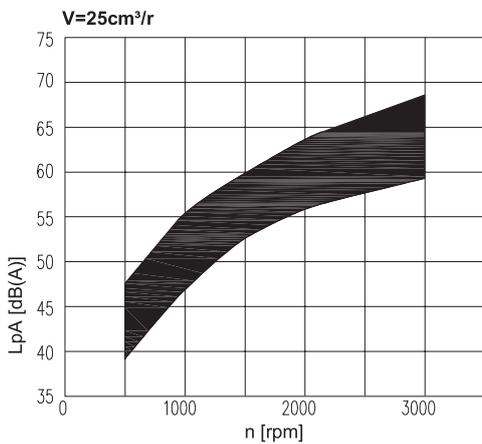
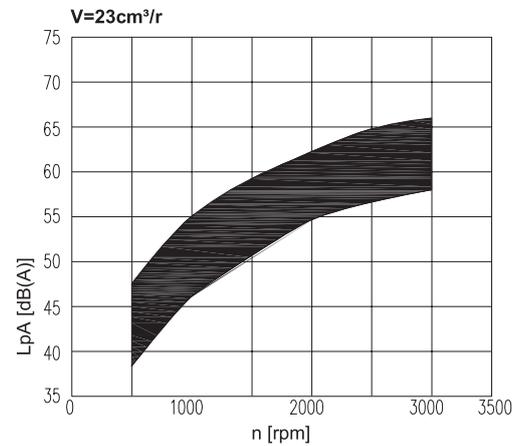
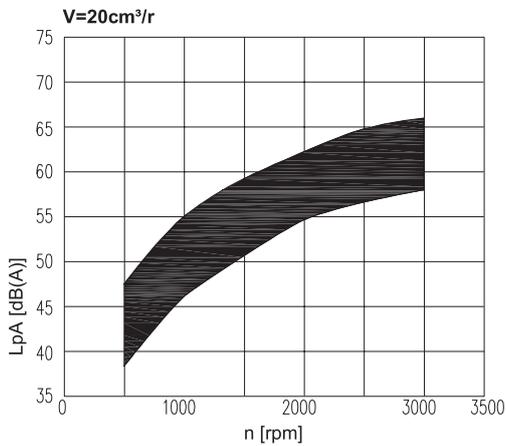
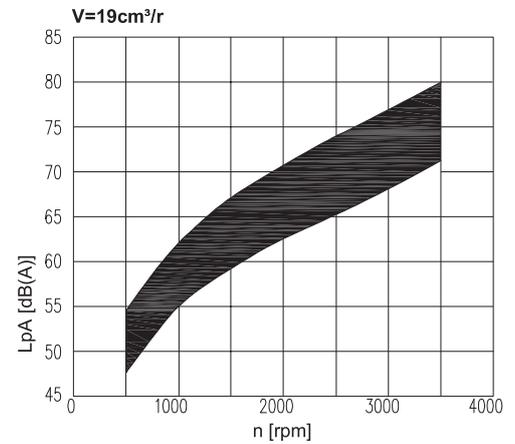
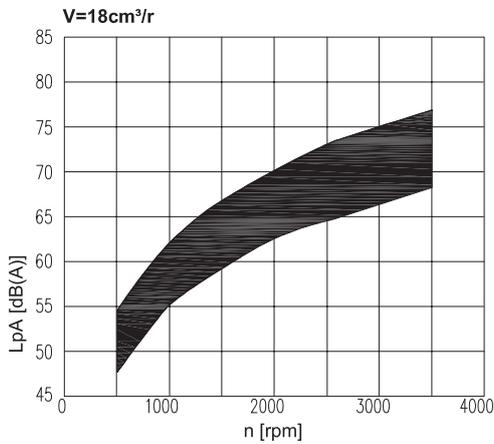
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



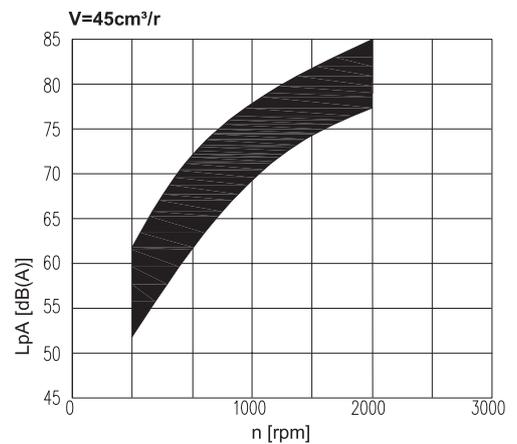
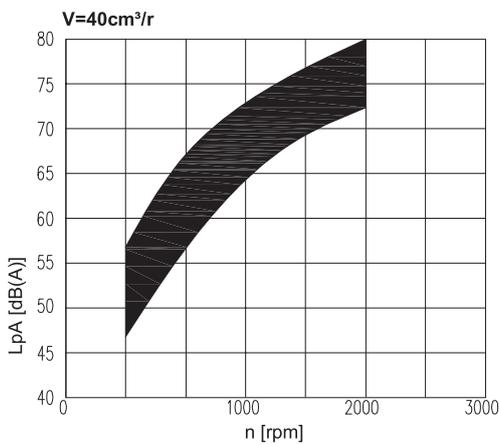
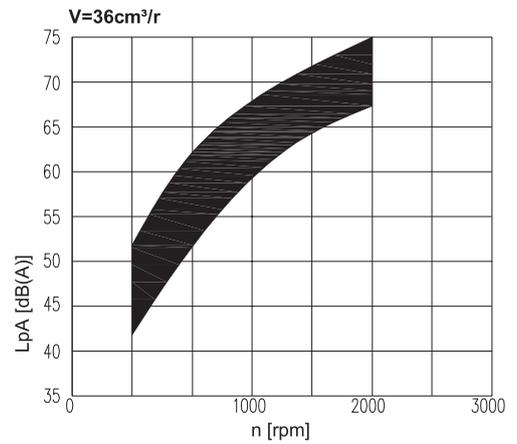
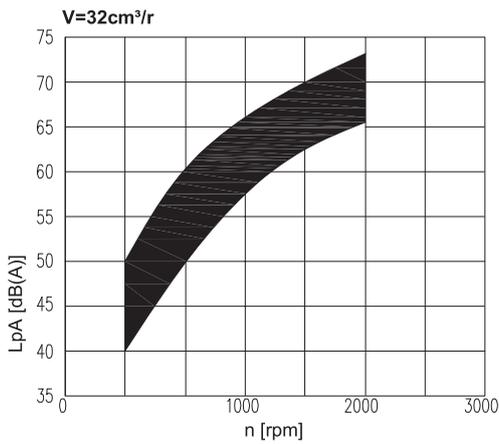
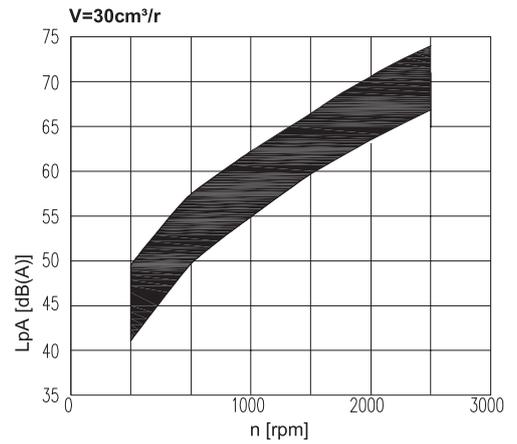
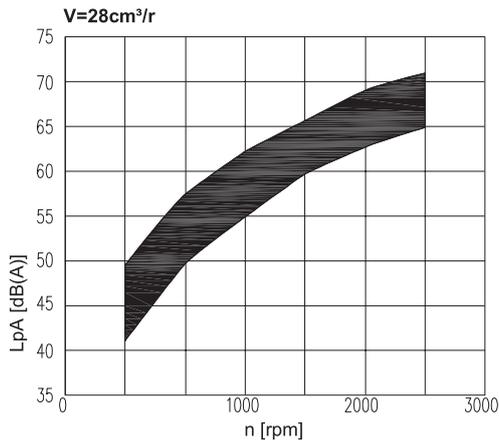
2.5系列/Group 2.5

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



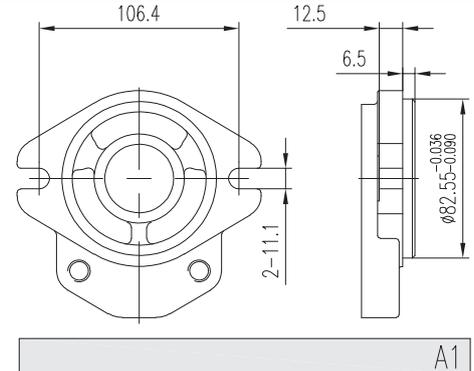
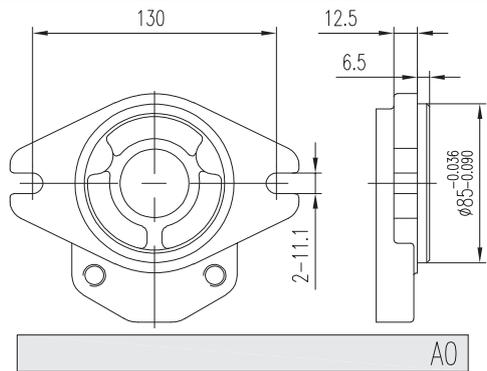
2.5系列/Group 2.5

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

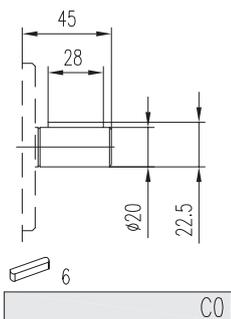


2.5系列/Group 2.5

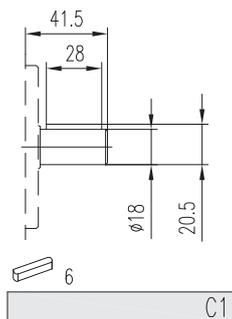
前盖/Front Cover



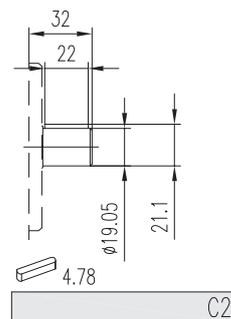
轴伸/SHAFTS



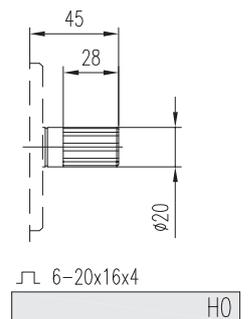
最大扭矩
Max.Torque 200 Nm



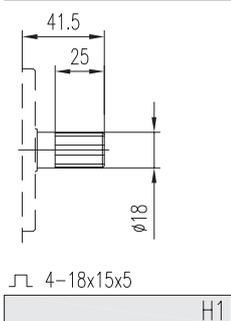
最大扭矩
Max.Torque 180 Nm



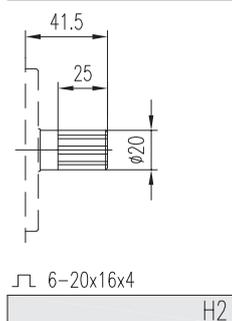
最大扭矩
Max.Torque 190 Nm



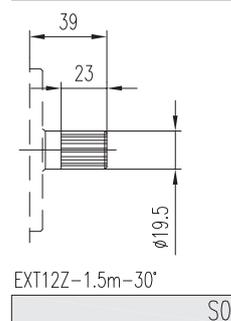
最大扭矩
Max.Torque 240 Nm



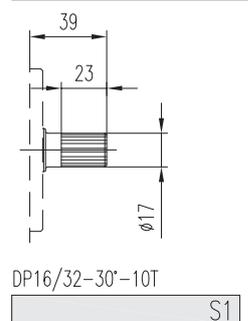
最大扭矩
Max.Torque 200 Nm



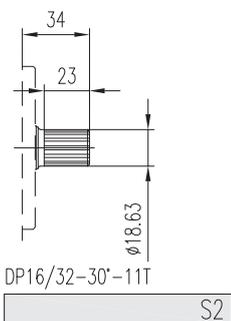
最大扭矩
Max.Torque 240 Nm



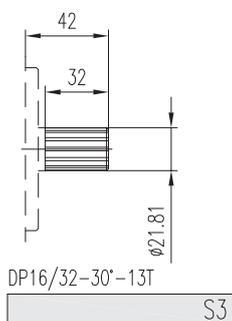
最大扭矩
Max.Torque 220 Nm



最大扭矩
Max.Torque 200 Nm



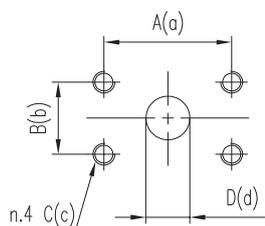
最大扭矩
Max.Torque 210 Nm



最大扭矩
Max.Torque 300 Nm

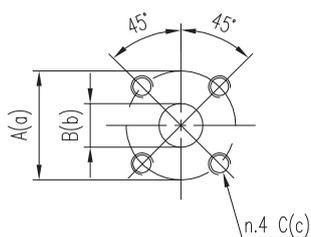
2.5系列/Group 2.5

泵体油口/PORTS



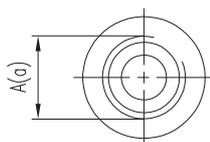
F0/F1

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



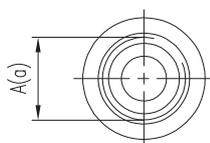
F2

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



Z0/Z1/Z2

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



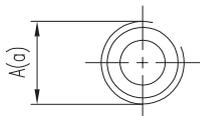
O型圈密封
O-ring

U0/U1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		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

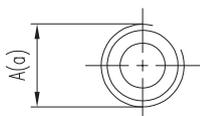
2.5系列/Group 2.5

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
		A	a
L0	10...23	G3/4	G1/2
L1	25...45	G 1	G3/4



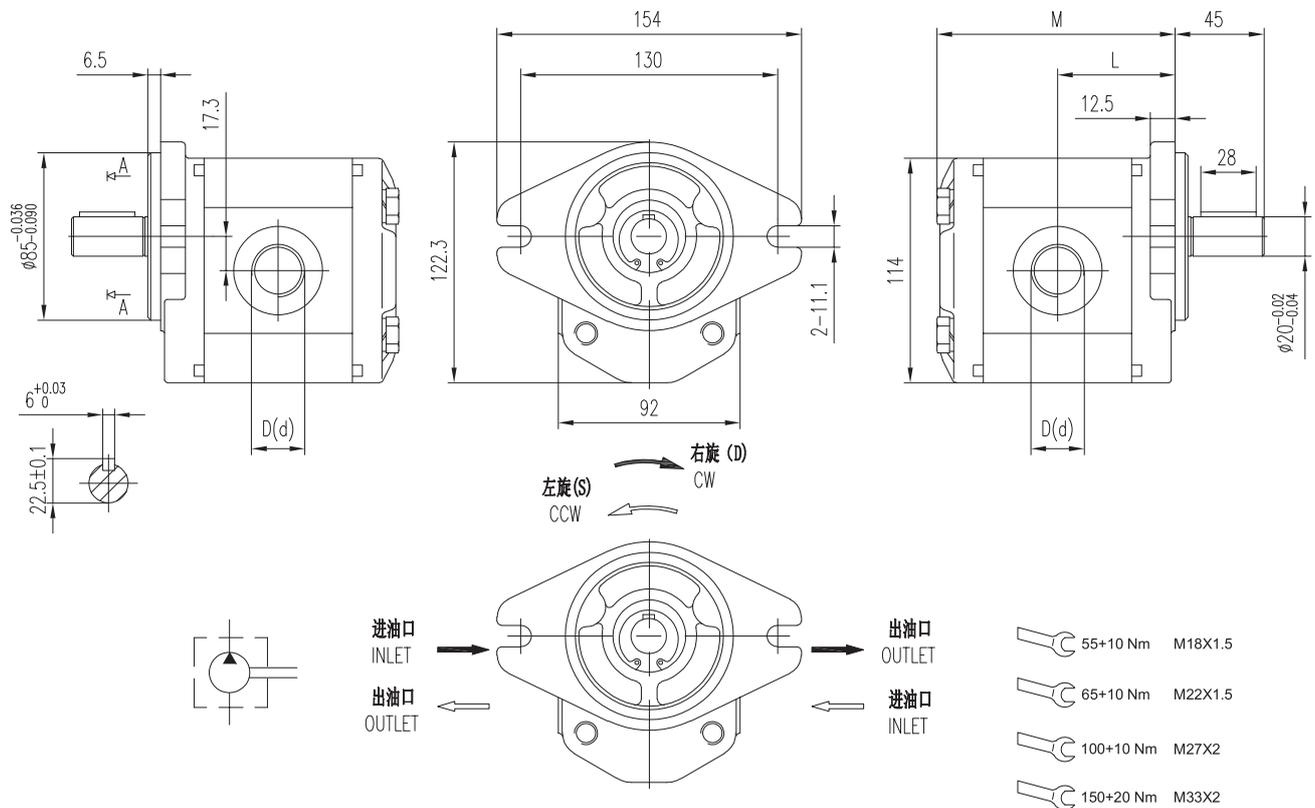
R0/R1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		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

BAP2.5-A0-**D**-**10**-CO-**Z0**

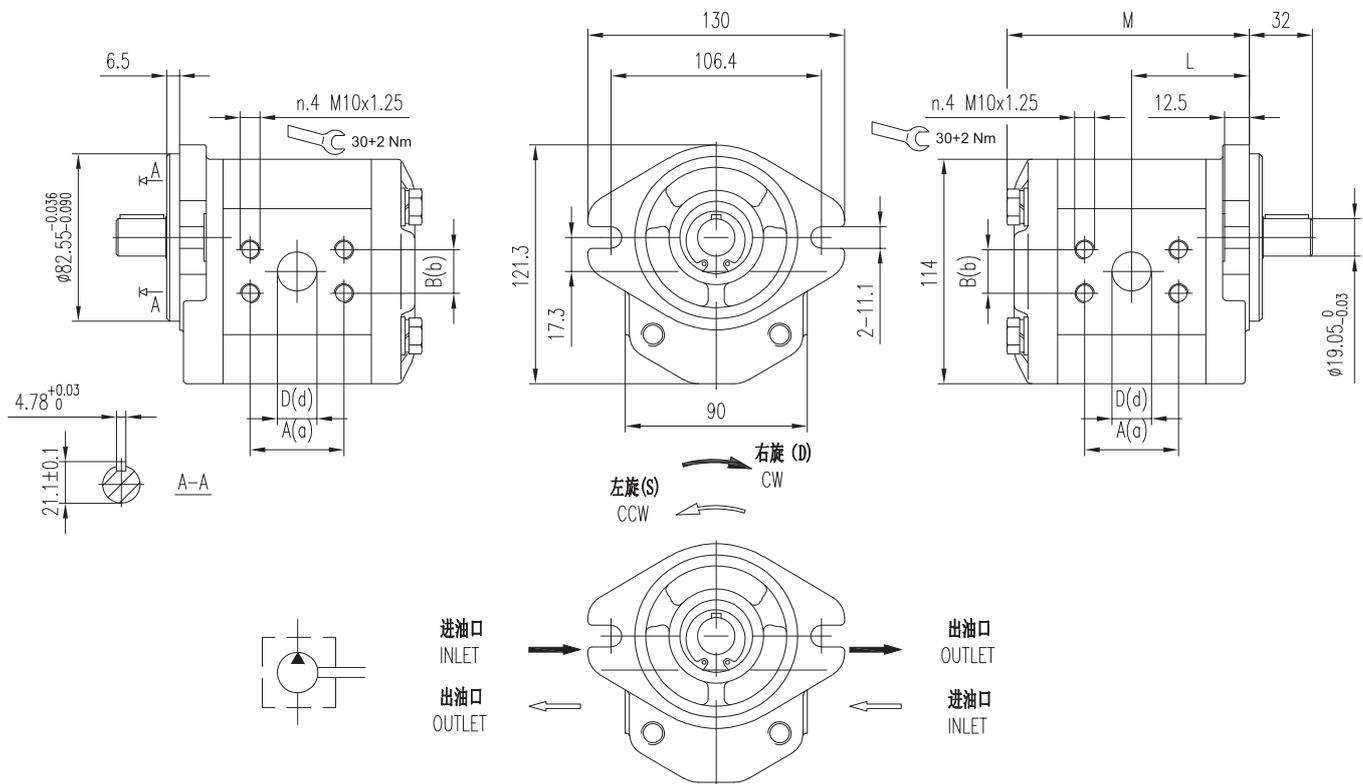


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		D	d		
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm					
10	250	270	290	4000	800	4.1	110	53.3	Z0	M22x1.5	M18x1.5		
12.5	250	270	290	4000	800	4.3	113	54.8	Z0	M22x1.5	M18x1.5		
14	250	270	290	4000	700	4.5	115	55.8	Z0	M22x1.5	M18x1.5		
16	250	270	290	3500	700	4.7	118	57.1	Z1	M27x2	M22x1.5		
18	250	270	290	3500	600	4.9	120	58.3	Z1	M27x2	M22x1.5		
19	250	270	290	3500	600	5.0	121	58.8	Z1	M27x2	M22x1.5		
20	250	270	290	3500	500	5.1	123	59.6	Z1	M27x2	M22x1.5		
23	230	250	260	3500	500	5.25	126	61.3	Z2	M33x2	M27x2		
25	230	250	260	3500	500	5.45	129	62.6	Z2	M33x2	M27x2		
26.5	230	250	260	3500	500	5.6	131	63.6	Z2	M33x2	M27x2		
28	230	250	260	3500	500	5.75	133	64.6	Z2	M33x2	M27x2		
30	230	250	260	3000	400	5.95	135	65.6	Z2	M33x2	M27x2		
32	200	230	250	3000	400	6.15	138	67.1	Z2	M33x2	M27x2		
36	200	230	250	2750	400	6.55	142	69.1	Z2	M33x2	M27x2		
40	160	180	200	2500	400	6.9	148	71.6	Z2	M33x2	M27x2		
45	160	180	200	2500	400	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

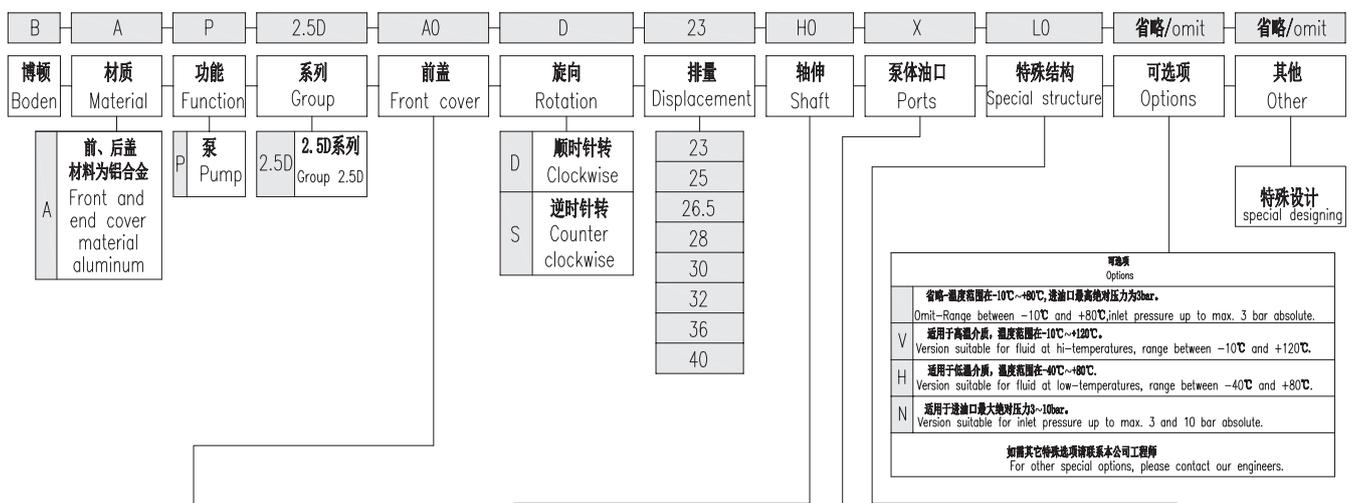
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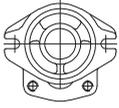
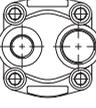


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		A	B	D	a	b	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm	mm	mm
10	250	270	290	4000	800	4.1	110	53.3	F0	47.6	22.2	20	47.6	22.2	13
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



前盖 Front cover	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure
AO 菱形前盖(止口Φ82.55) Diamond front cover (centering Φ82.55mm) 	CO 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 EXT12Z-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 	省略-默认普通 omit-regular  LO 后盖带进出油口 Back cover with oil inlet and outlet 
详见 149 页 See page 149 for details	详见 149 页 See page 149 for details	详见 150 页 See page 150 for details	详见 150 页 See page 150 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

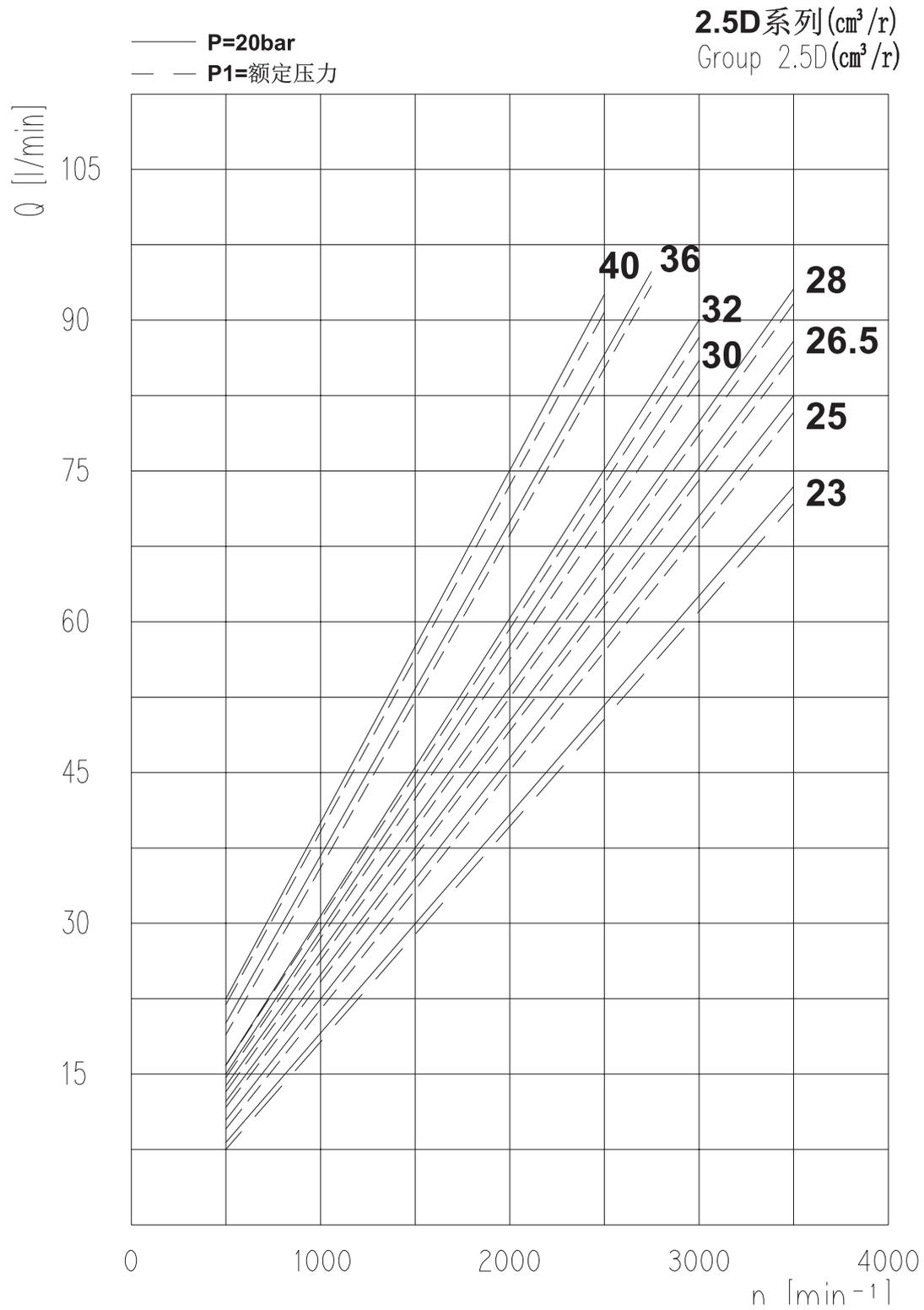
型式 type		
页码 page	151	152

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	

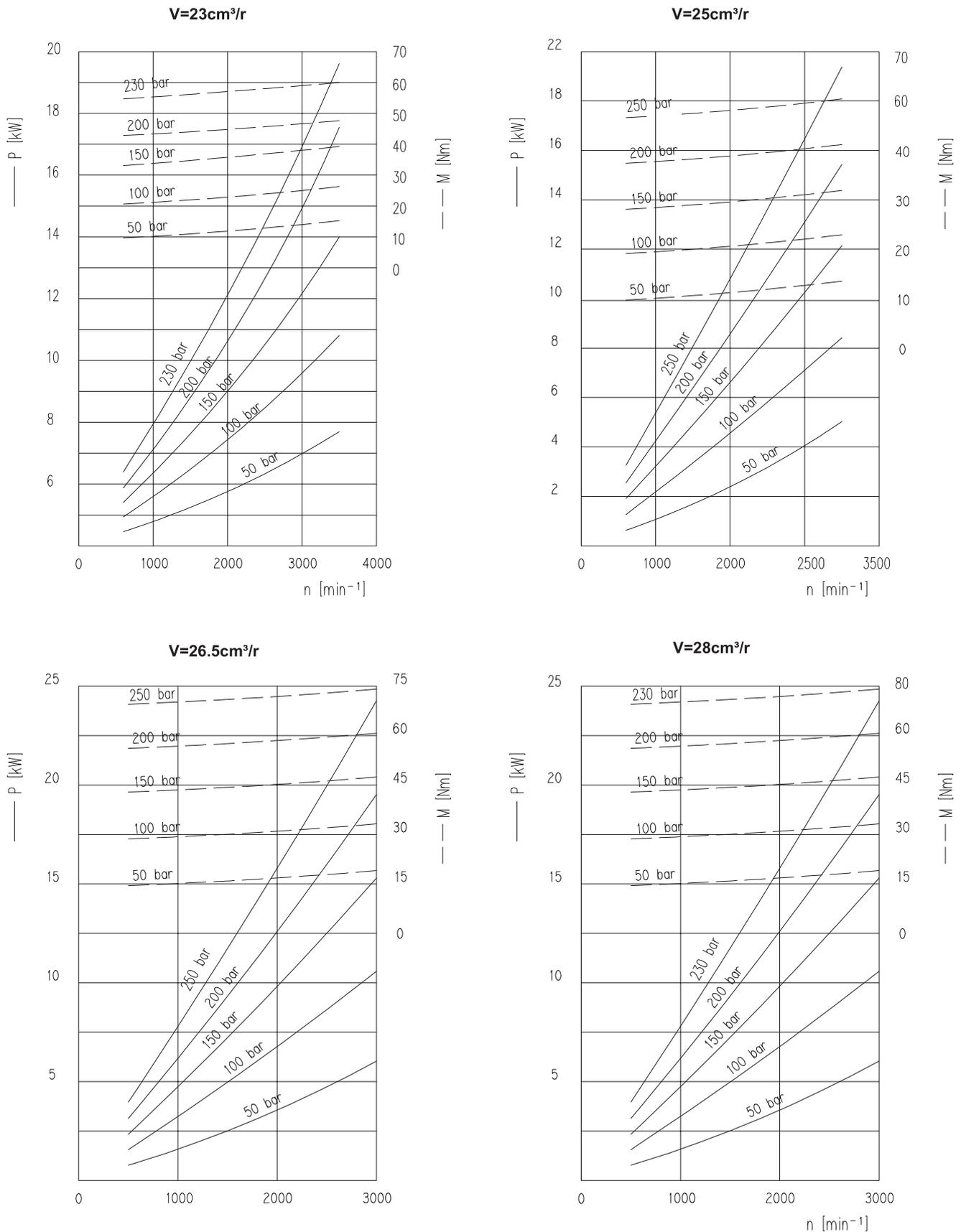
2.5D系列/Group 2.5D

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



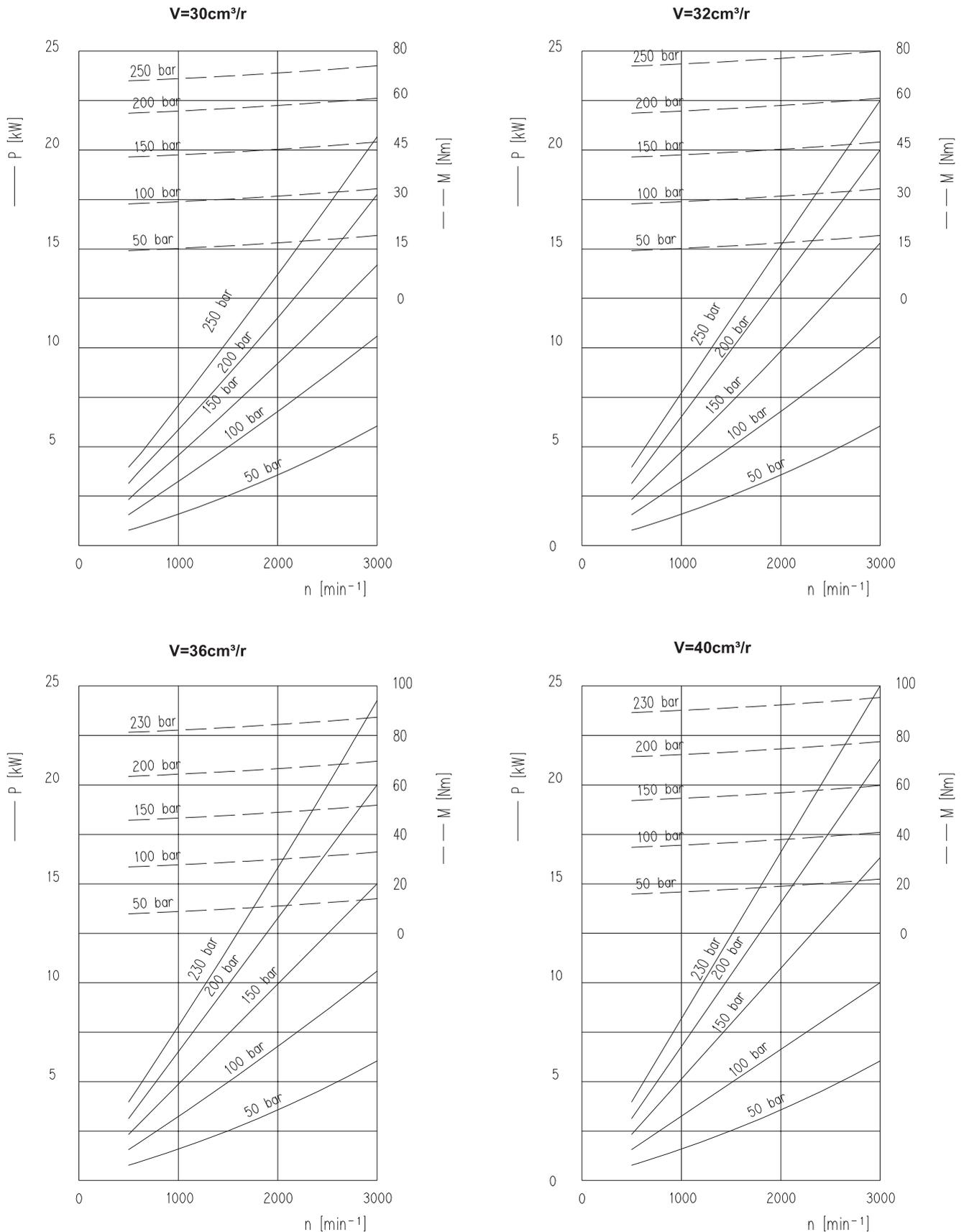
2.5D系列/Group 2.5D

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: $v = 32 \text{ mm}^2/\text{s}$, $\vartheta = 50^\circ\text{C}$.

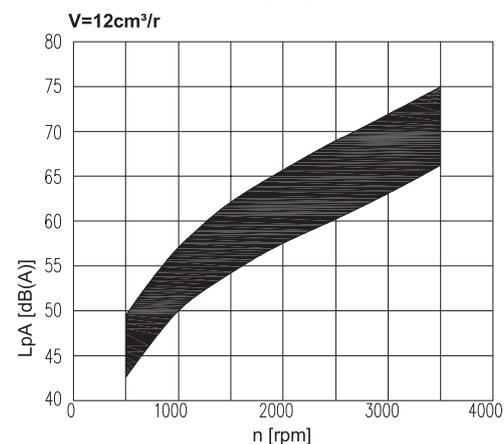
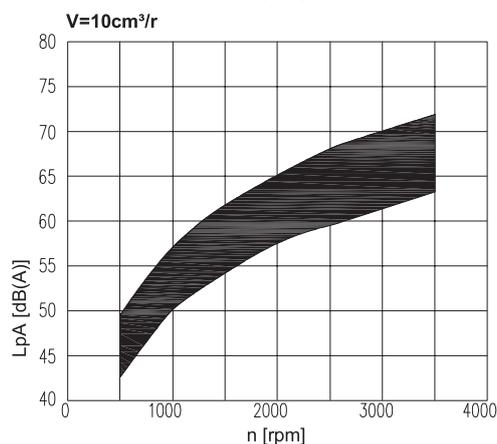
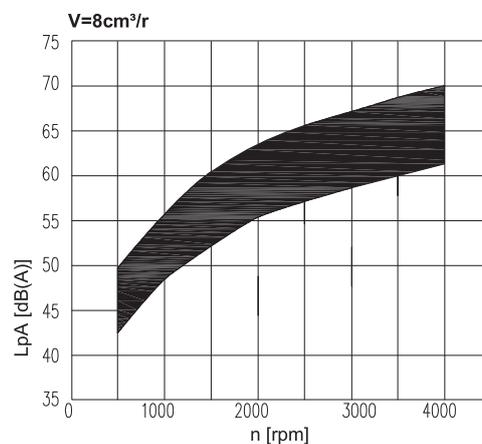
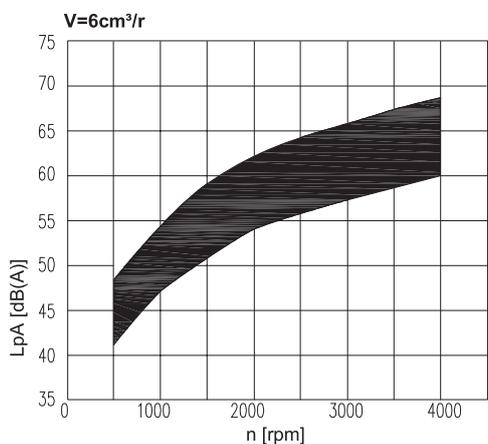
Oil data: $V=32\text{mm}^2/\text{s}, \vartheta=50^\circ\text{C}$.

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.

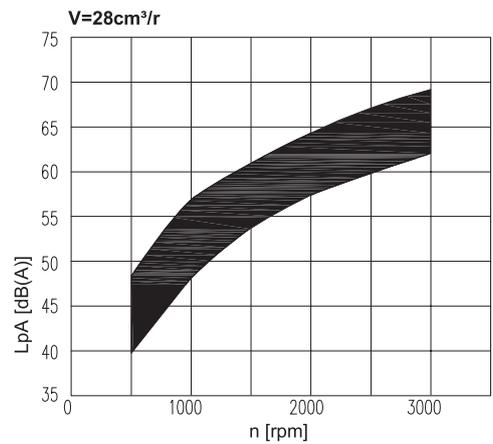
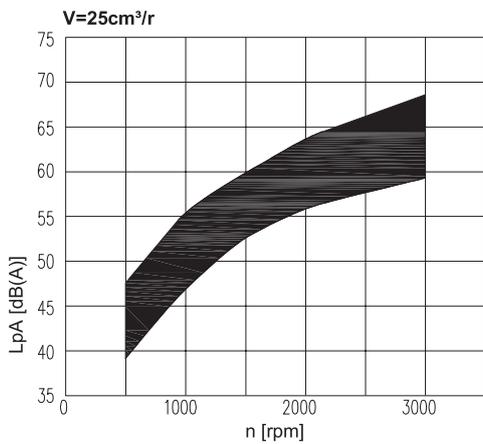
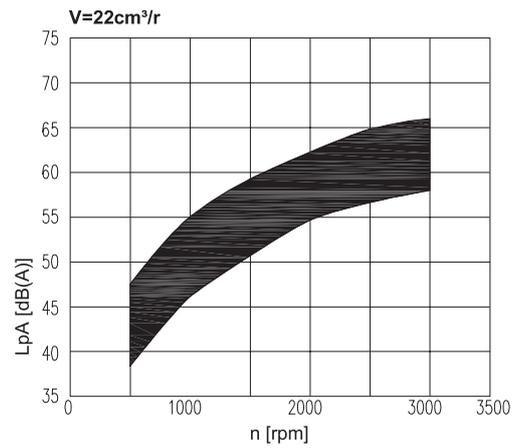
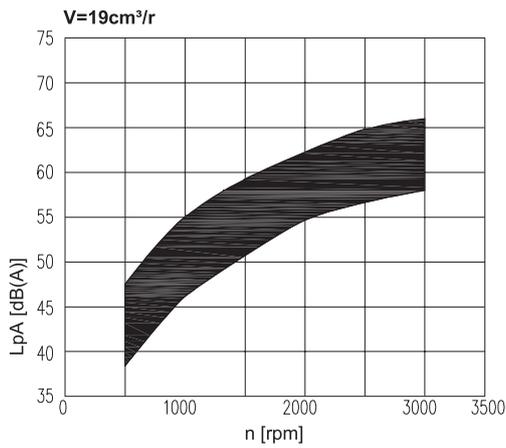
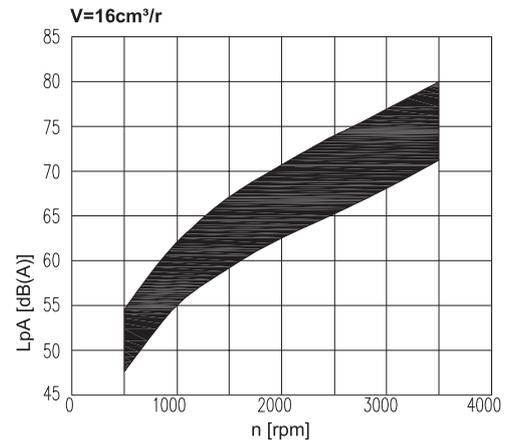
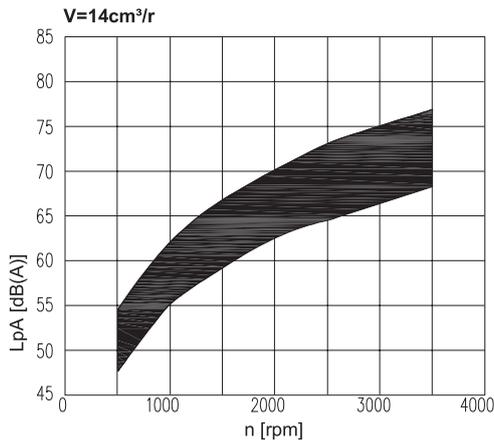
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



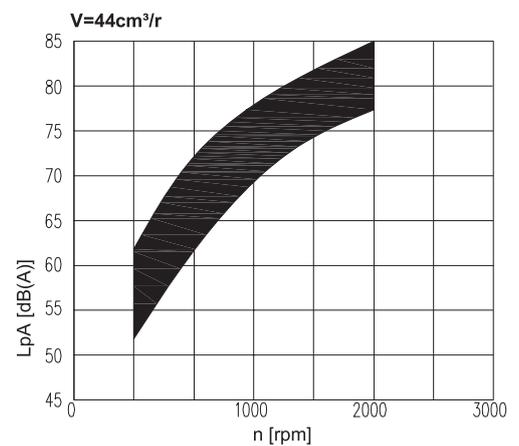
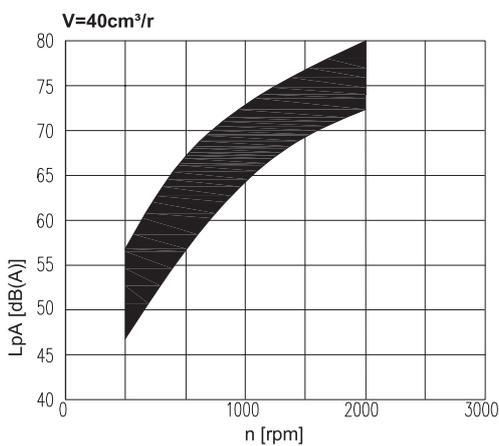
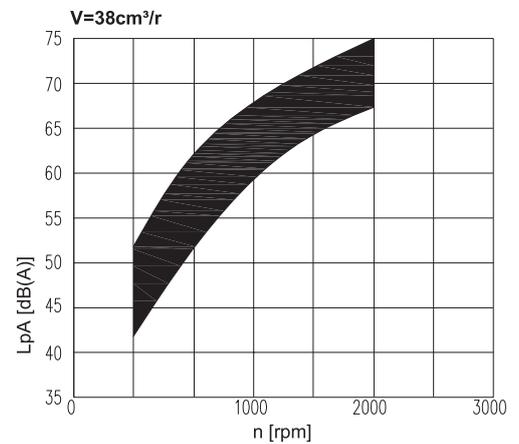
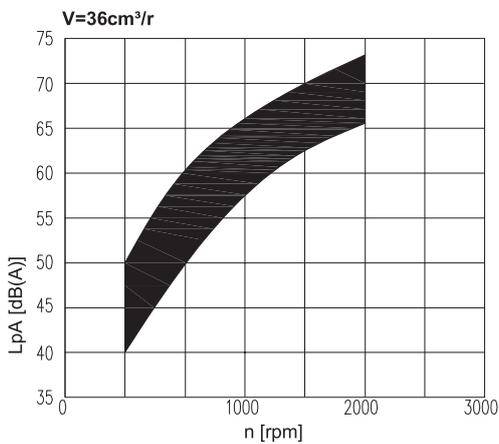
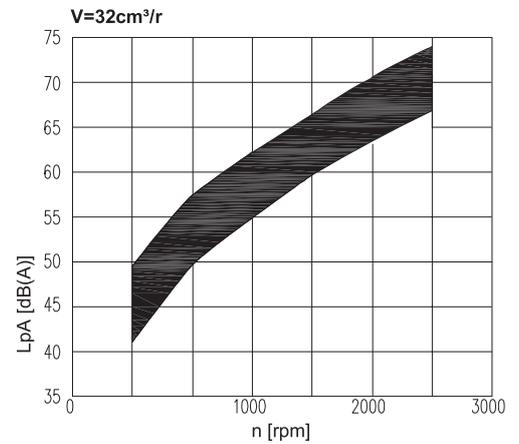
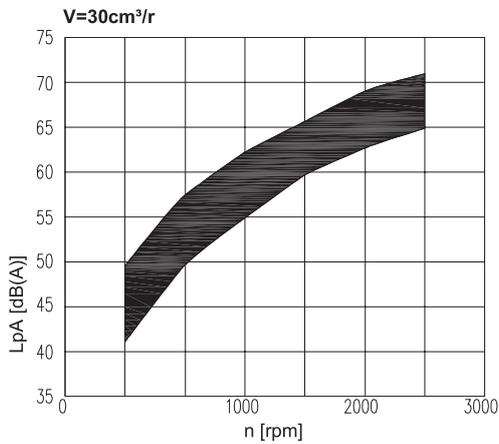
2.5D系列/Group 2.5D

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



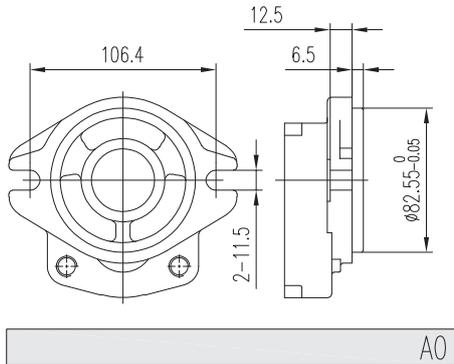
2.5D系列/Group 2.5D

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

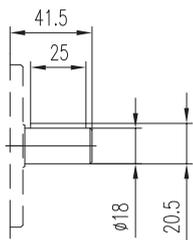


2.5D系列/Group 2.5D

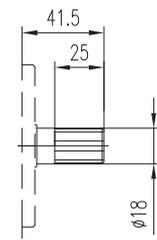
前盖/FRONT COVER



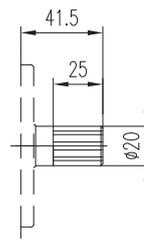
轴伸/SHAFTS



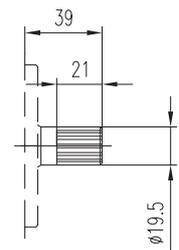
最大扭矩
Max.Torque 180 Nm



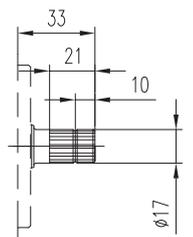
最大扭矩
Max.Torque 200 Nm



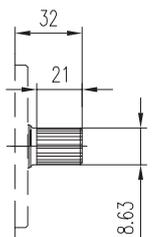
最大扭矩
Max.Torque 240 Nm



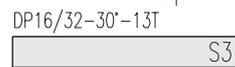
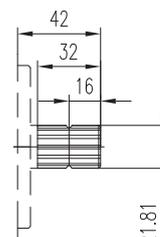
最大扭矩
Max.Torque 220 Nm



最大扭矩
Max.Torque 200 Nm



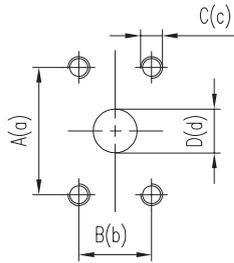
最大扭矩
Max.Torque 210 Nm



最大扭矩
Max.Torque 300 Nm

2.5D系列/Group 2.5D

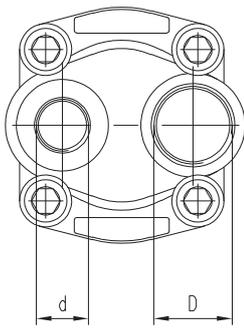
泵体油口/PORTS



F0

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



O型圈密封
O-ring

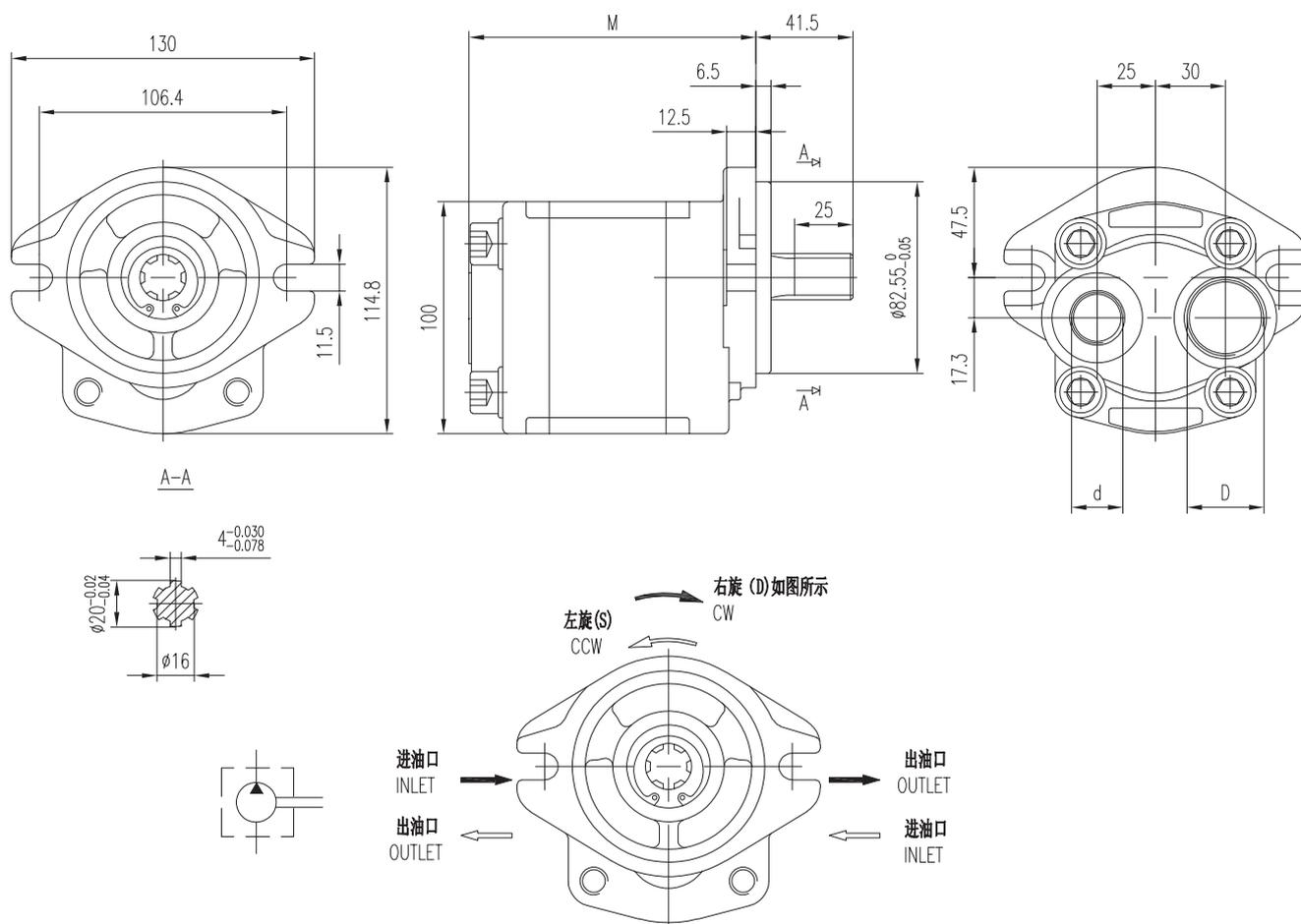
L0/Z0

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

BAP2.5D-A0-**D**-**23**-H1-X-**L0**



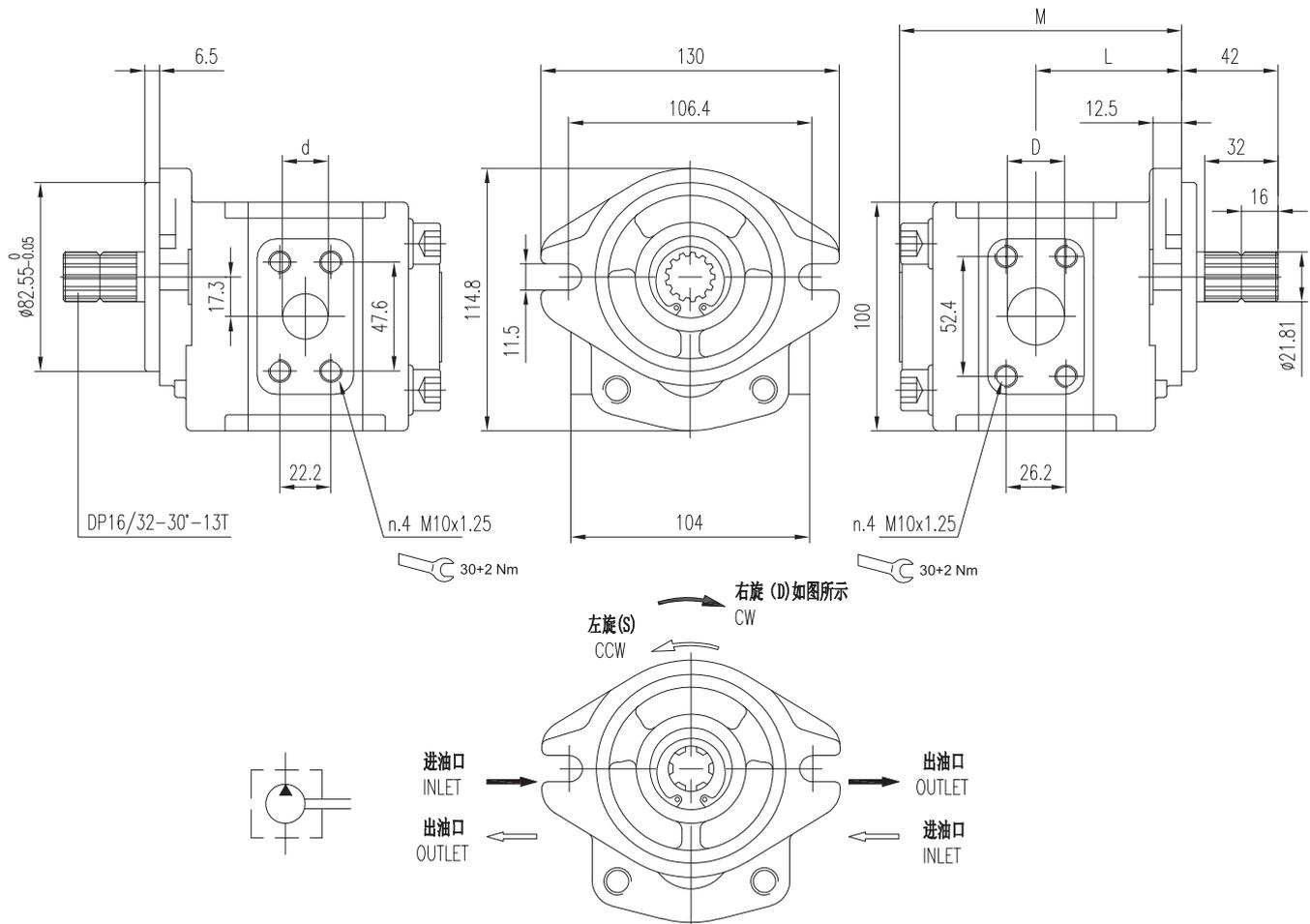
100+10 Nm M27X2
 150+20 Nm M33X2

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 出油口	
	P1	P2	P3						INLET	OUTLET
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	M		D	d
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

2.5D系列/Group 2.5D

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

BAP2.5D-A0-D-23-S3-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			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
23	230	250	260	3500	600	4	118	60.5	F0	25	20
25	230	250	260	3500	600	4.1	120	61.8	F0	25	20
26.5	230	250	260	3500	600	4.2	122	62.8	F0	25	20
28	230	250	260	3500	600	4.25	124	63.8	F0	25	20
30	230	250	260	3000	600	4.35	126	64.8	F0	25	20
32	200	230	250	3000	600	4.44	129	66.3	F0	25	20
36	200	230	250	2750	500	4.65	133	68.3	F0	25	20
40	160	180	200	2500	500	4.9	138	70.8	F0	28	20

2.6系列/Group 2.6

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

B	H	P	2.6	A1	D	10	C1	E0	省略/omit	省略/omit	省略/omit
博顿 Boden	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、后盖材料 为铸铁压力 Front and end cover material cast iron	P 泵 Pump	2.6 2.6系列 Group 2.6		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
<p>可选项 Options</p> <p>V 省略-温度范围在-10℃~+80℃, 进出口最高绝对压力为5bar. Omit-Range between -10°C and +80°C, 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°C and +120°C.</p> <p>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.</p> <p>N 适用于进出口最大绝对压力3~10bar. Version suitable for inlet pressure up to max. 3 and 10 bar absolute.</p> <p>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.</p>											

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 $\phi 82.55$) Diamond front cover (centering $\phi 82.55\text{mm}$) 	C1 平键轴 $\phi 18$ straight keyed $\phi 18$ C2 平键轴 $\phi 19.05$ straight keyed $\phi 19.05$ C6 平键轴 $\phi 22.2$ straight keyed $\phi 22.2$ 	E 矩形法兰 Rectangular flange F 矩形法兰 Rectangular flange F 矩形法兰 Split flange 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 	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 $\phi 101.6$) Diamond front cover (centering $\phi 101.6\text{mm}$) 	H1 矩形花键轴 Rectangle spline shaft $\sqrt{4-18 \times 15 \times 5}$ H2 矩形花键轴 Rectangle spline shaft $\sqrt{6-20 \times 16 \times 4}$ 		
B0 方形前盖 (止口 $\phi 50.8$) Square front cover (centering $\phi 50.8\text{mm}$) 	S0 渐开线花键轴 Involute spline shaft EXT12Z-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 		
详见 163 页 See page 163 for details	详见 164 页 See page 164 for details	详见 165-166 页 See page 165-166 for details	详见 166 页 See page 166 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.

2.6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	167	168	169

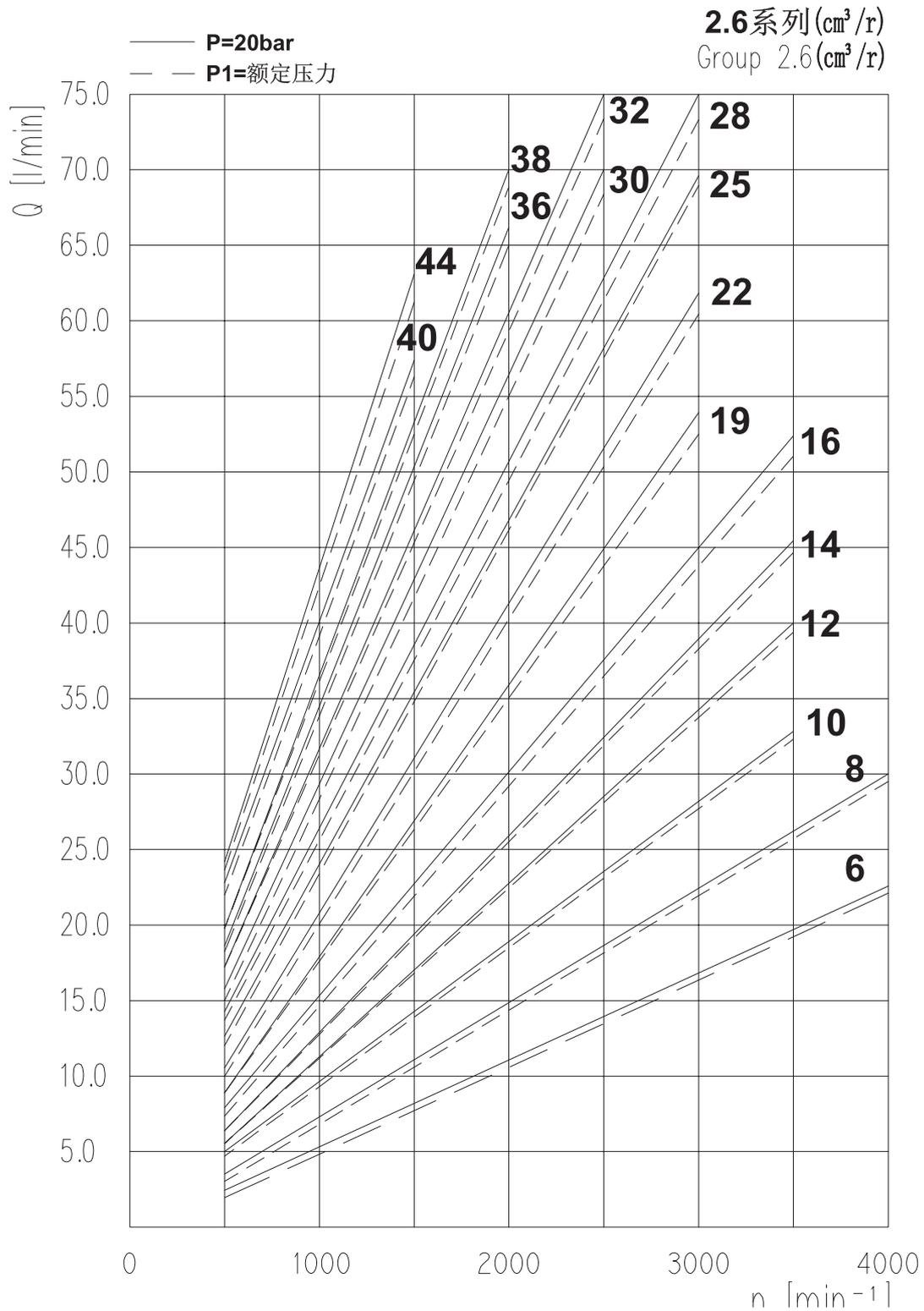
型式 type	
页码 page	170

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	Ω_{Min}	r/min	800		700		600		500				400					
最高转速 Max. speed	Ω_{Max}		4000			3500			3000						2750		2500	
容积效率 Volumetric efficiency	η_v	%	>92						>93				>94				>95	

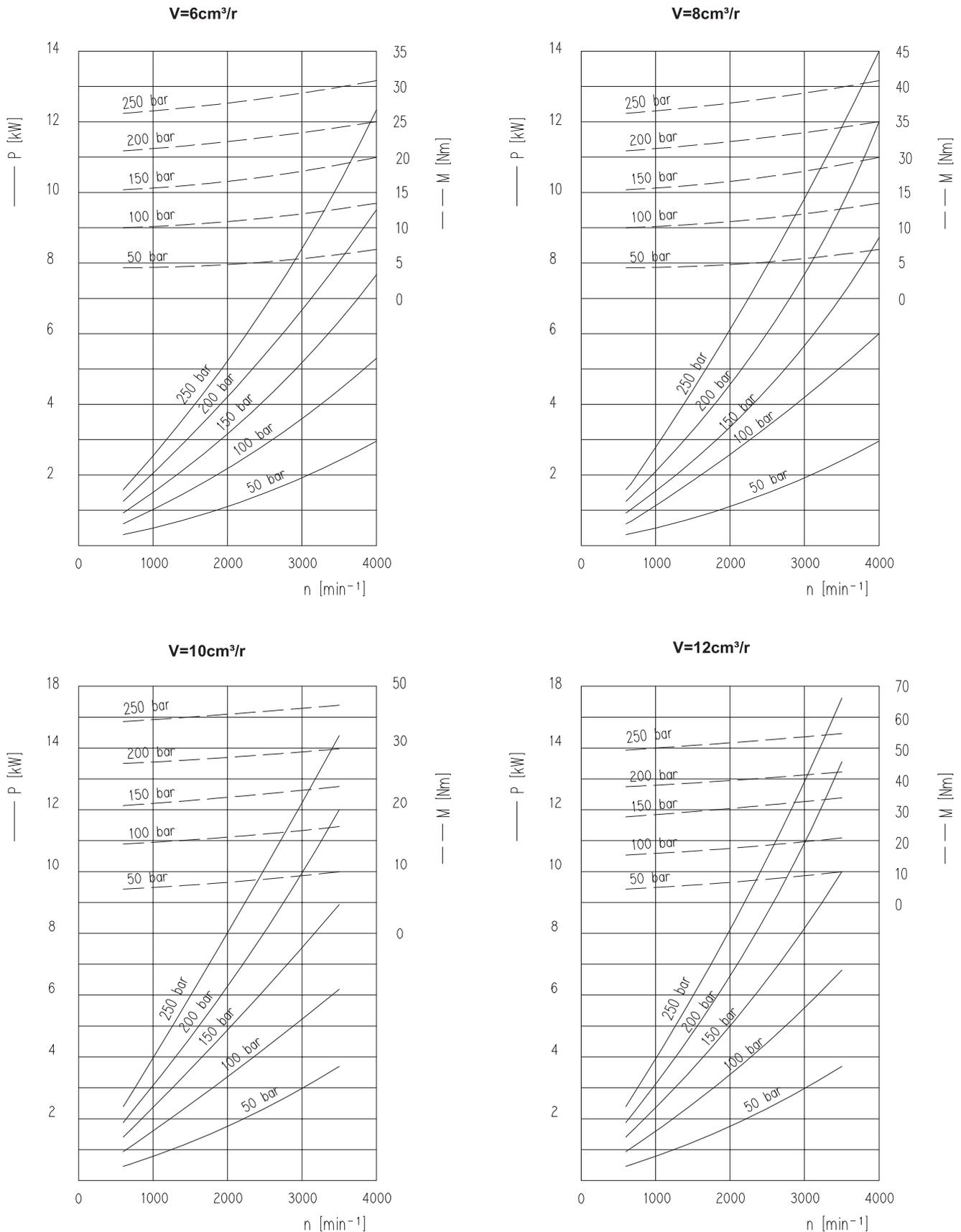
2.6系列/Group 2.6

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



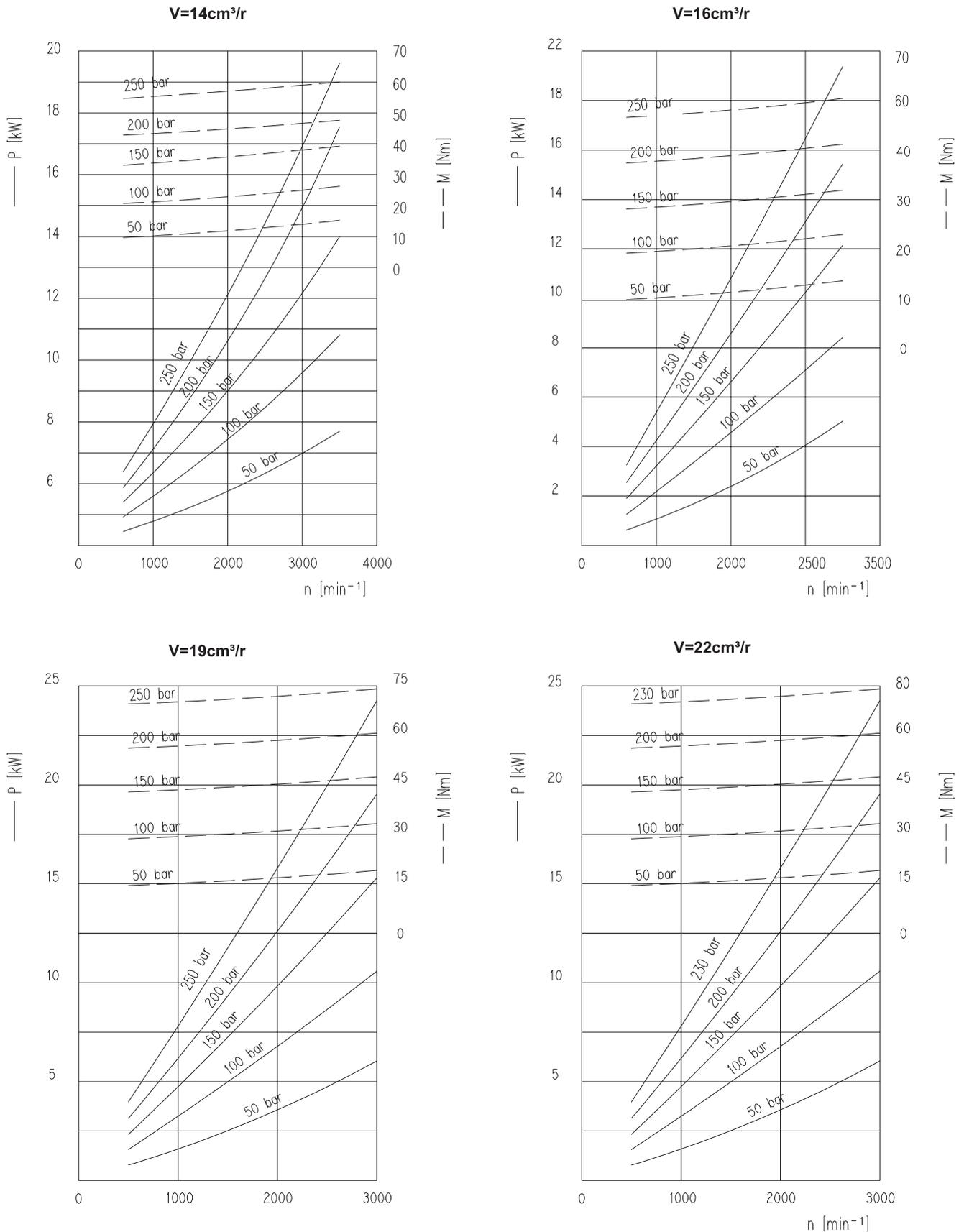
2.6系列/Group 2.6

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



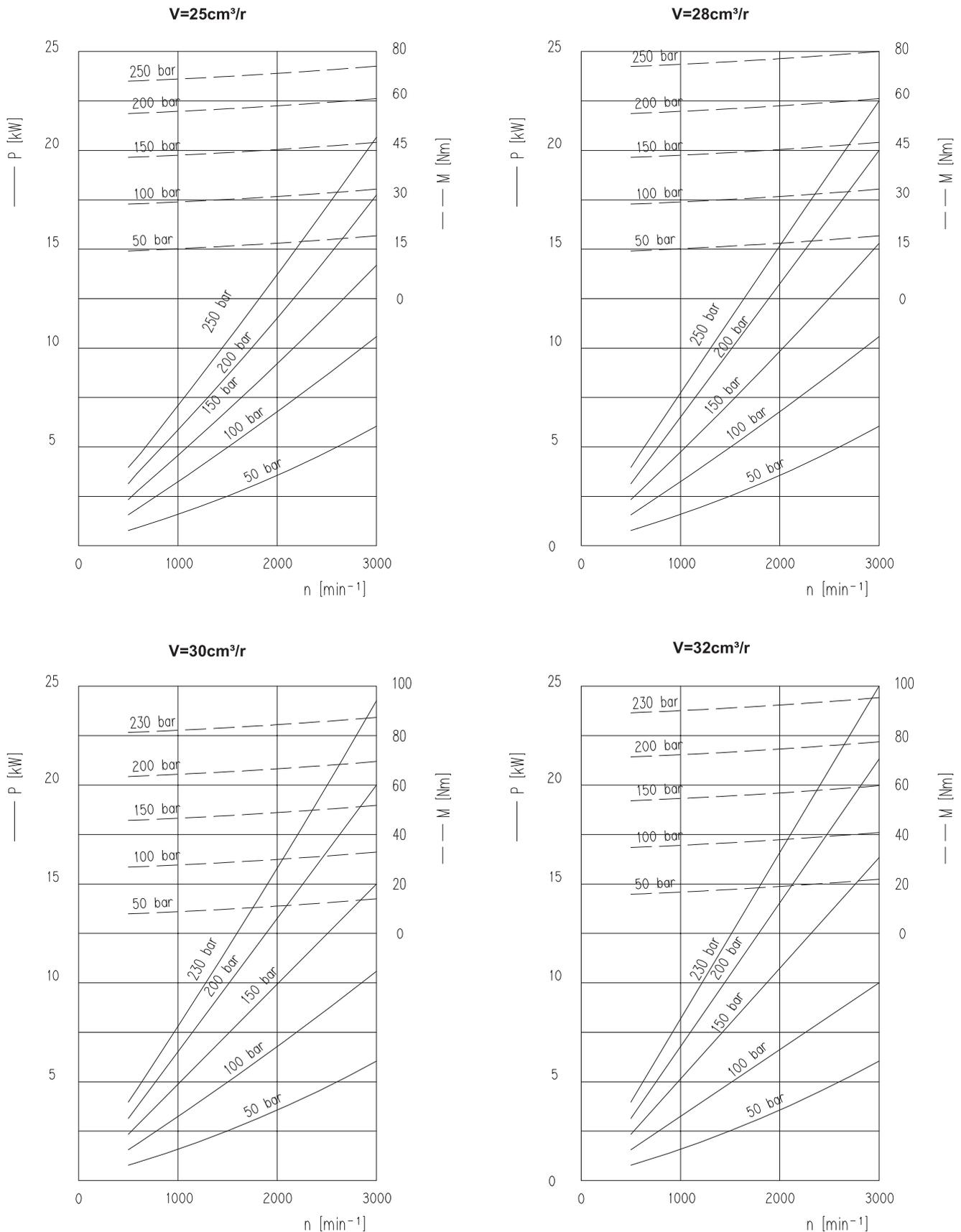
2.6系列/Group 2.6

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



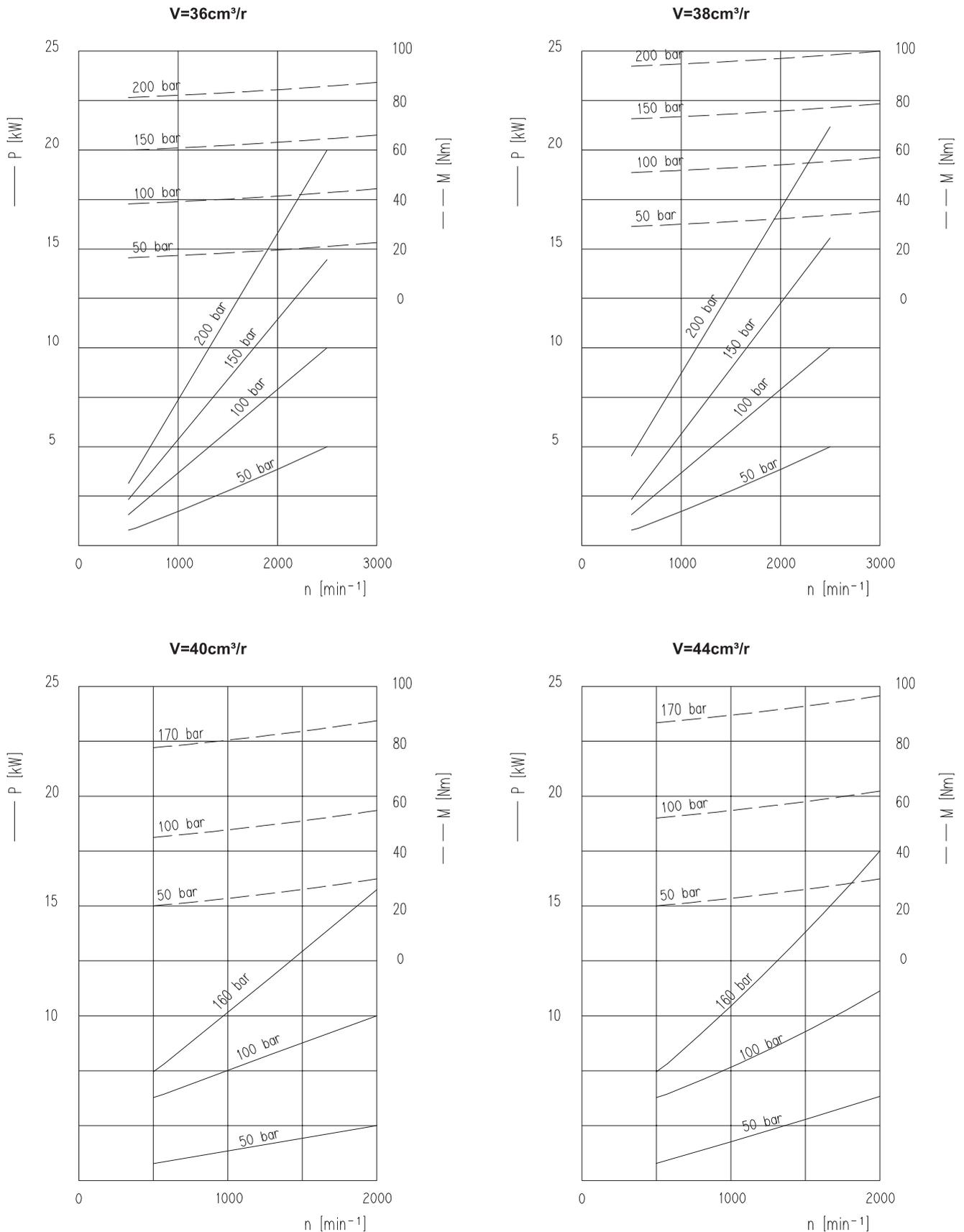
2.6系列/Group 2.6

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

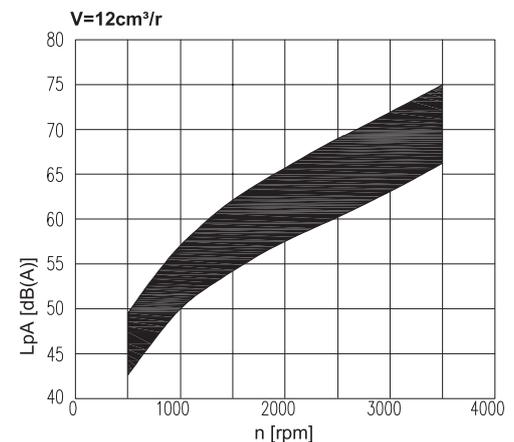
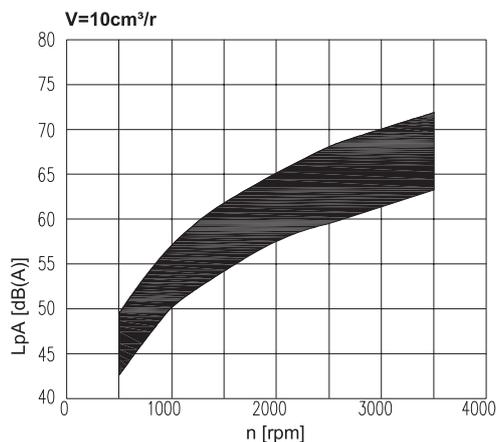
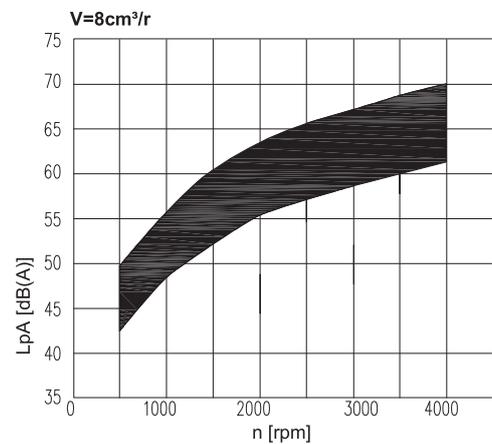
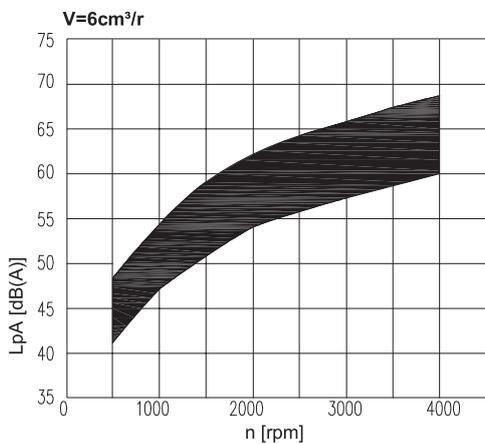
Oil data: $V=32\text{mm}^2/\text{s}, \theta=50^\circ\text{C}$.

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.

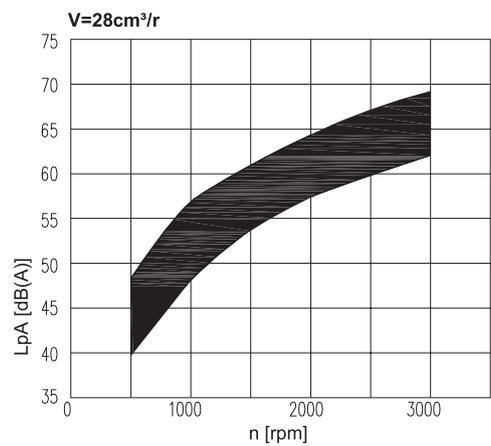
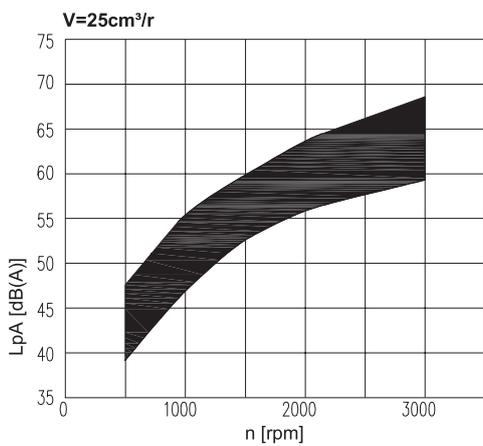
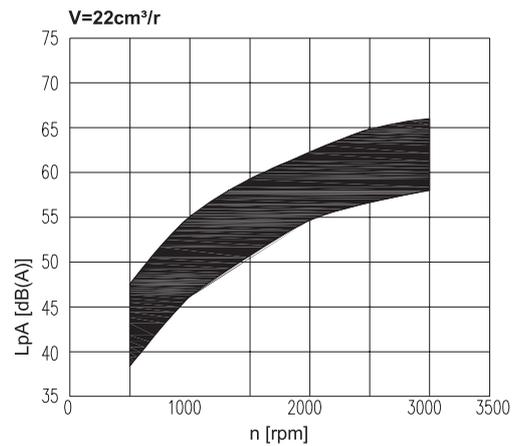
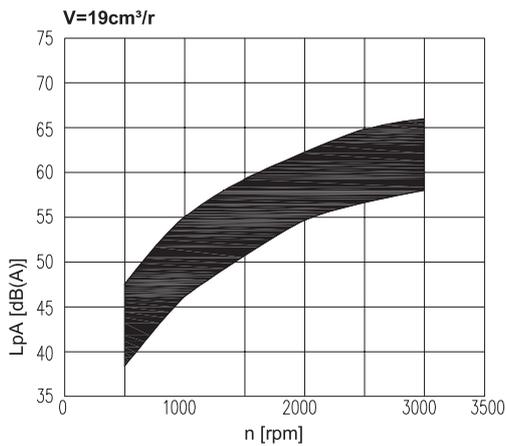
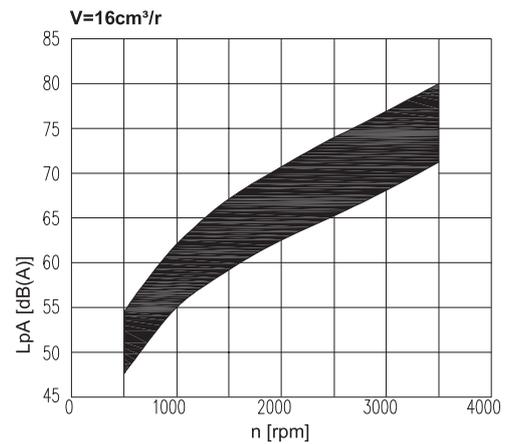
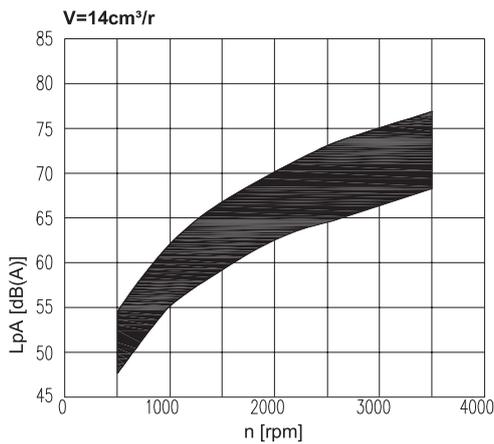
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



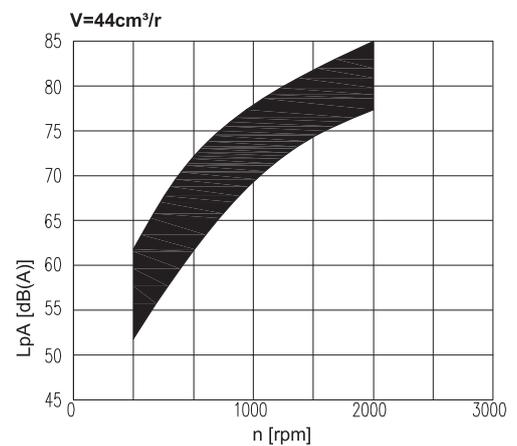
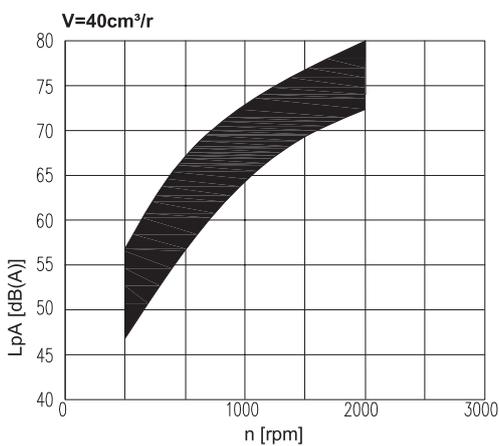
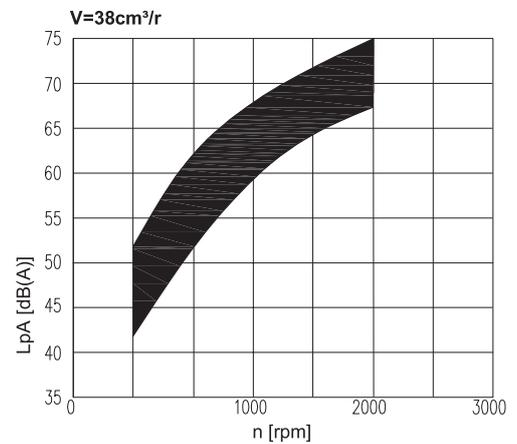
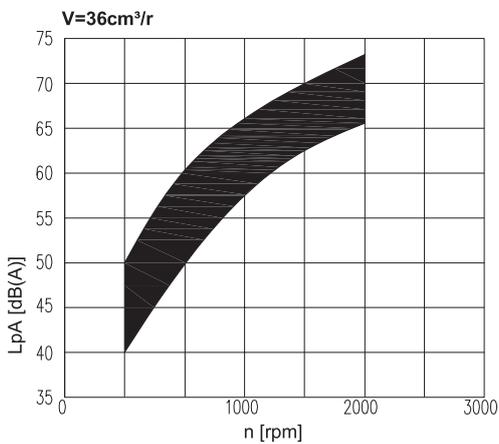
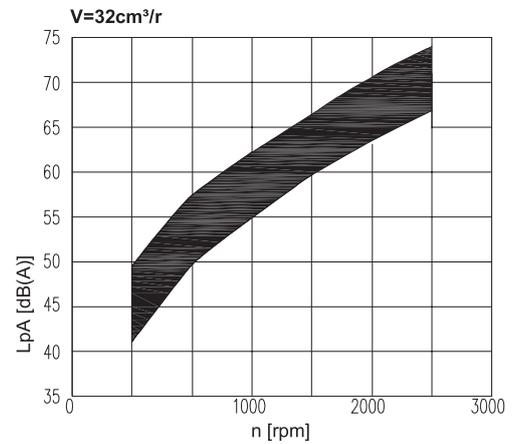
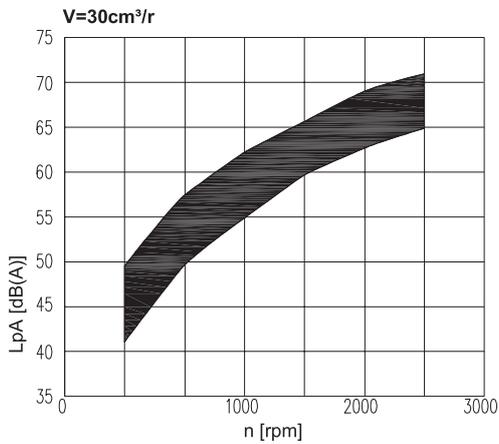
2.6系列/Group 2.6

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



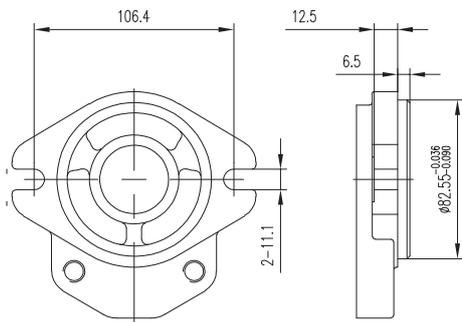
2.6系列/Group 2.6

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

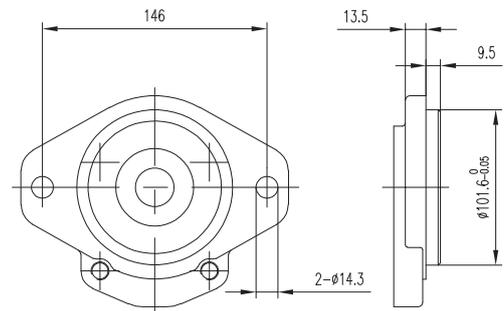


2.6系列/Group 2.6

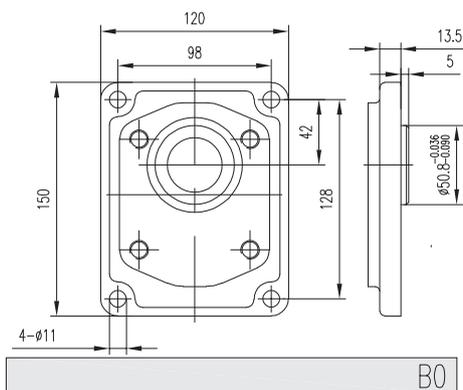
前盖/Front COVER



A1



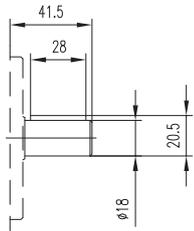
A2



B0

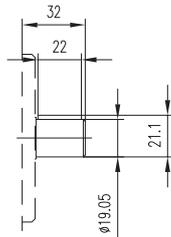
2.6系列/Group 2.6

轴伸/SHAFTS



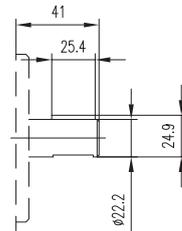
6
C1

最大扭矩
Max.Torque 180 Nm



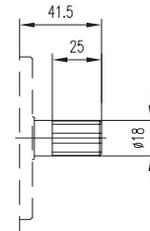
4.78
C2

最大扭矩
Max.Torque 190 Nm



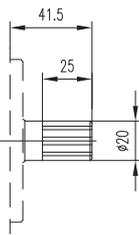
6.35
C6

最大扭矩
Max.Torque 300 Nm



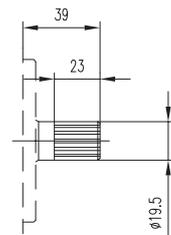
4-18x15x5
H1

最大扭矩
Max.Torque 200 Nm



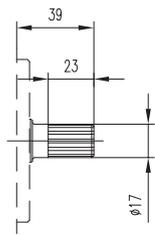
6-20x16x4
H2

最大扭矩
Max.Torque 240 Nm



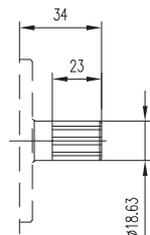
EXT12Z-1.5m-30°
S0

最大扭矩
Max.Torque 220 Nm



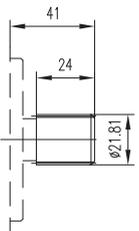
DP16/32-30°-10T
S1

最大扭矩
Max.Torque 200 Nm



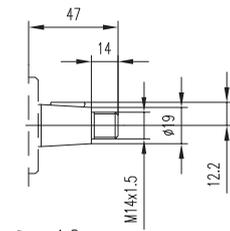
DP16/32-30°-11T
S2

最大扭矩
Max.Torque 210 Nm



DP16/32-30°-13T
S3

最大扭矩
Max.Torque 300 Nm

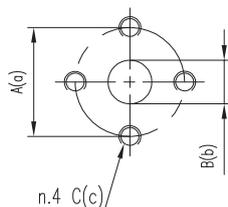


1:8
4
T0

最大扭矩
Max.Torque 300 Nm

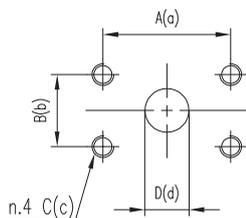
2.6系列/Group 2.6

泵体油口/PORTS



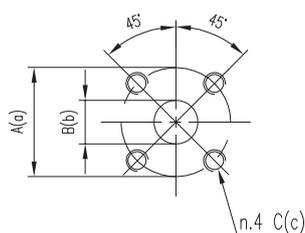
E0/E1/E2

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	6...8	30	13	M6	30	13	M6
E1	10...19	40	20	M8	30	13	M6
E2	22...44	51	25	M10	40	18	M8



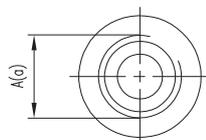
F0/F1

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	6...16	47.6	22.2	M10x1.5	20	47.6	22.2	M10x1.5	13
F1	19...44	52.4	26.2	M10x1.5	25	47.6	22.2	M10x1.5	20



F2

排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
	A	B	C	a	b	c
6...16	55	20	M8	55	13	M8
19...44	55	25	M8	55	20	M8

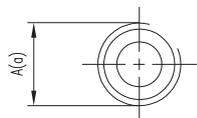


Z0/Z1/Z2

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

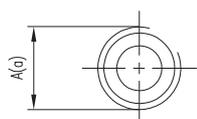
2.6系列/Group 2.6

泵体油口/PORTS



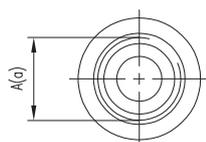
L0/L1

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

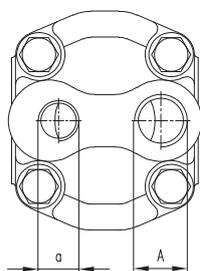


O型圈密封
O-ring

U0/U1

油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
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



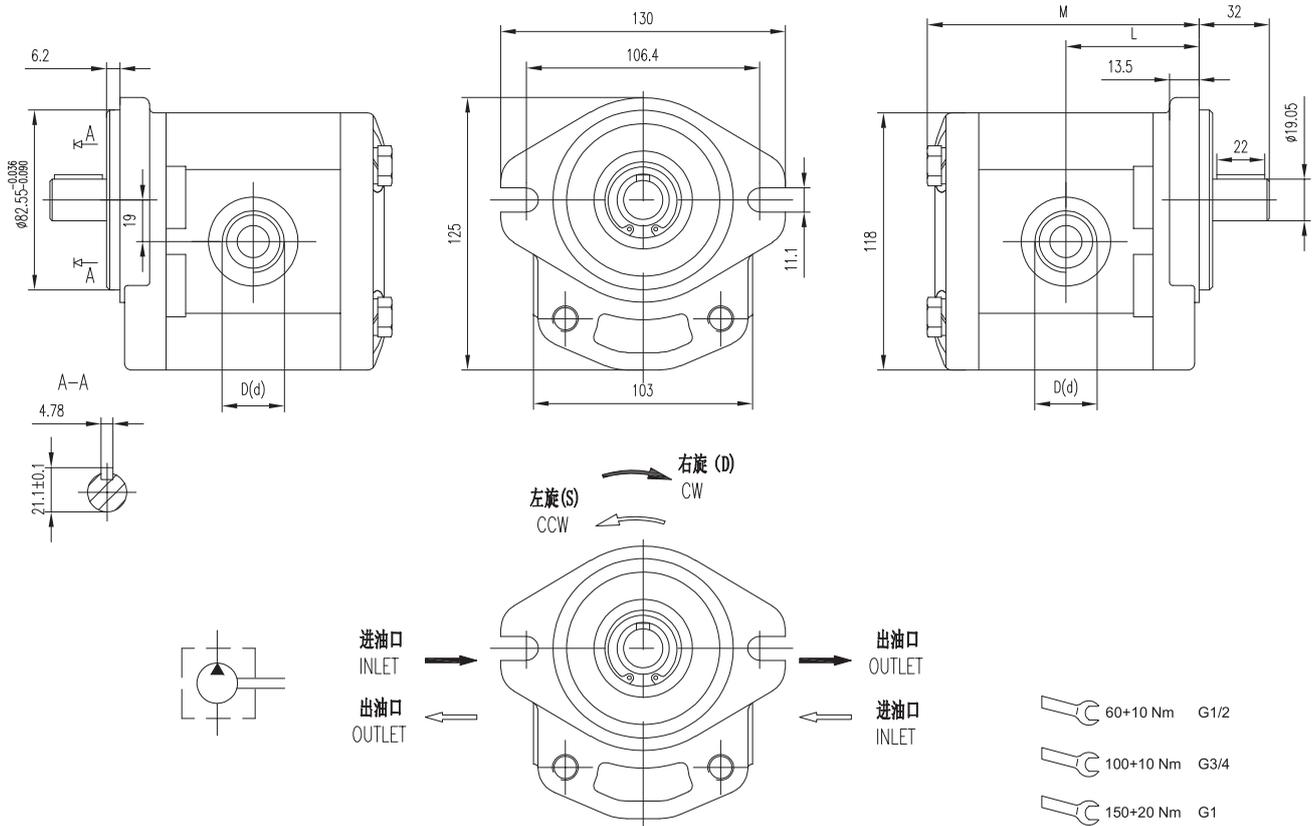
L0/R0/Z0

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

BHP2.6-A1-**D**-**6**-C2-**L0**

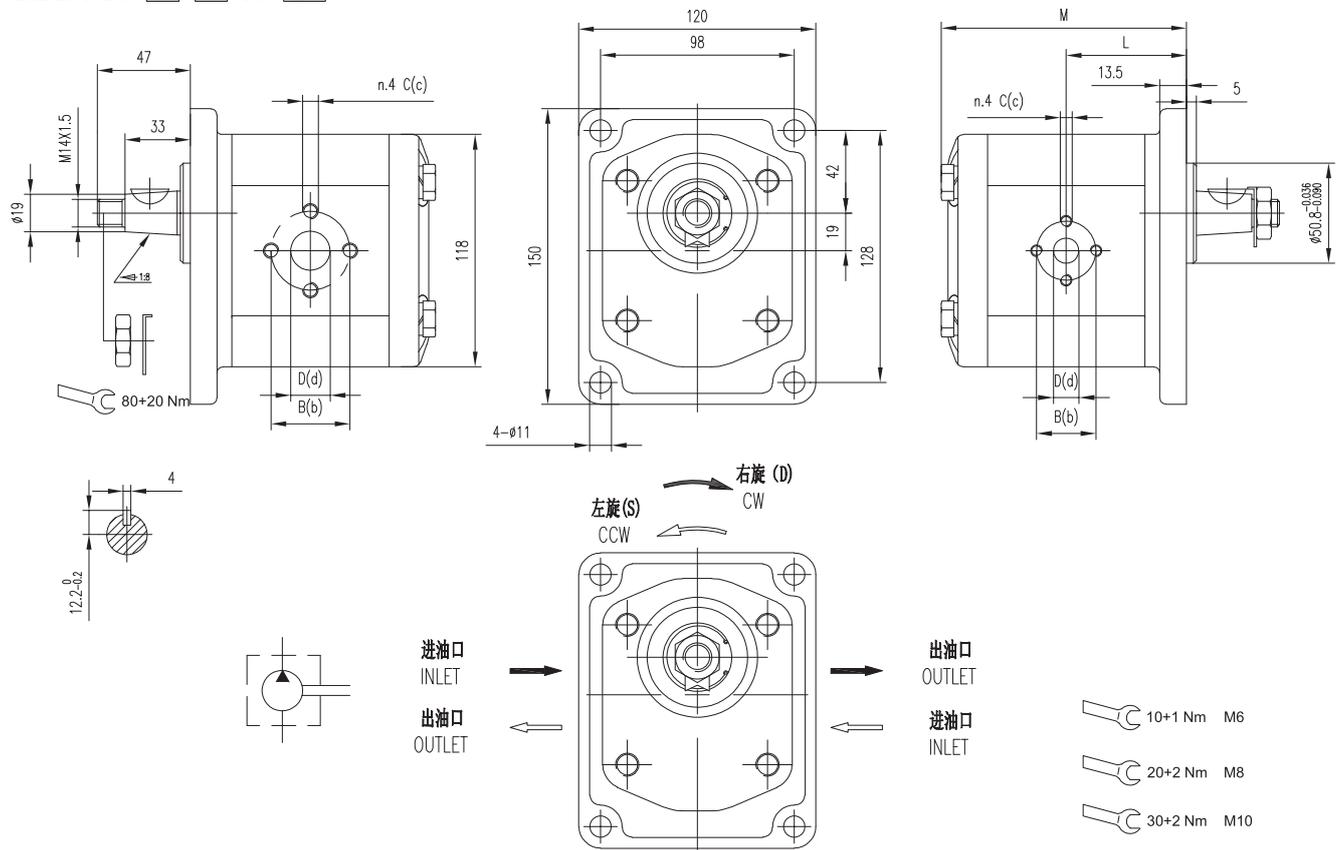


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进出口 INLET OUTLET	
	P1	P2	P3				M	L		D	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm			
6	250	280	300	4000	800	4	103	49.3	L0	G3/4	G1/2
8	250	280	300	4000	800	4.3	105	50.3	L0	G3/4	G1/2
10	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

BHP2.6-B0-D-6-T0-E0

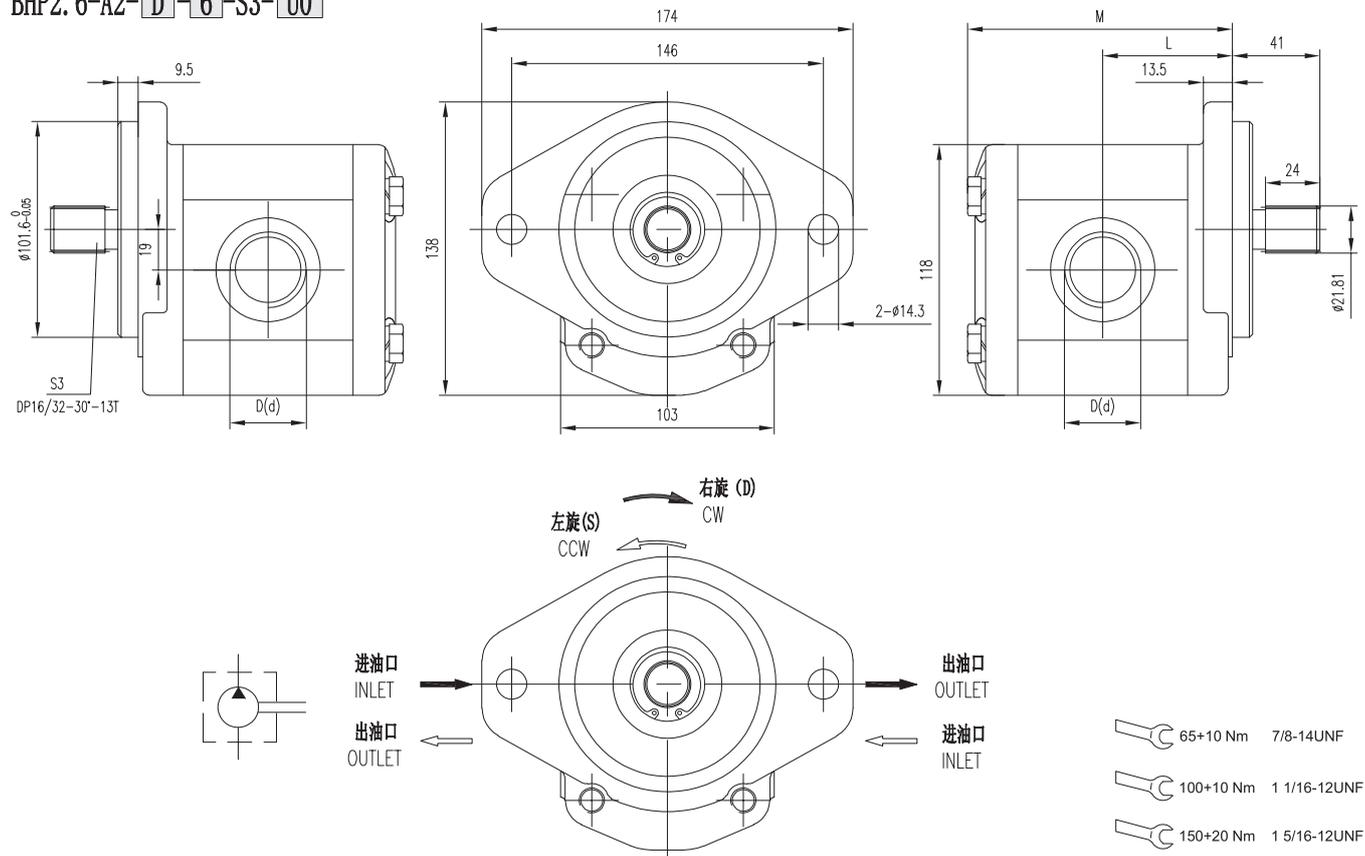


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	C	b	d	c
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm		mm	mm	mm
6	250	280	300	4000	800	4	103	49.3	E0	30	13	M6	30	13	M6
8	250	280	300	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

BHP2.6-A2-**D**-**6**-S3-**U0**

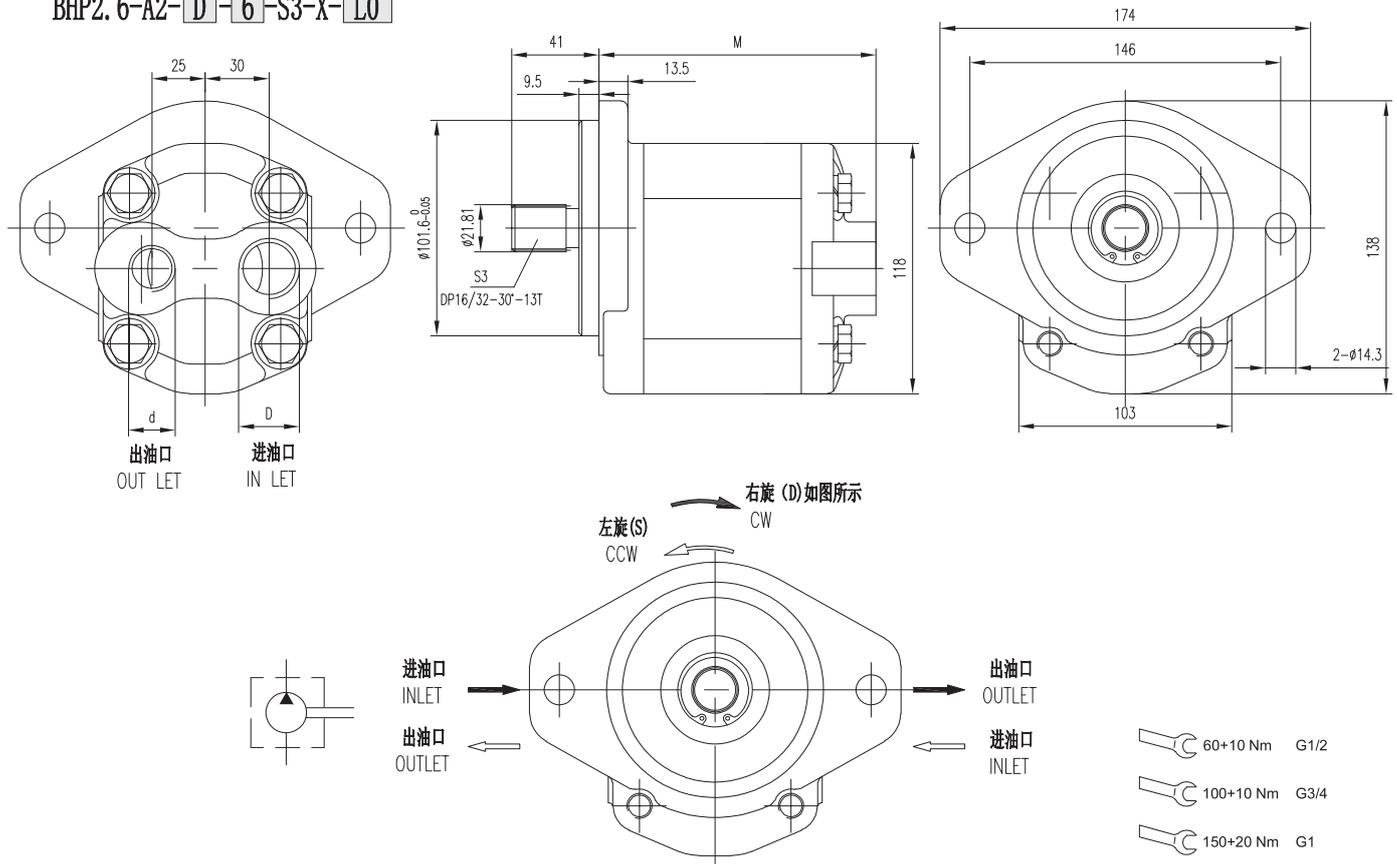


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		D		d	
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm					
6	250	280	300	4000	800	4	103	49.3	U0	1 1/16-12UNF		7/8-14UNF	
8	250	280	300	4000	800	4.3	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

BHP2.6-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	油口	
	P1	P2	P3						进油口 INLET	出油口 OUTLET
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	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

3系列/Group 3

3系列选型规则/Group 3 Ordering Code Rules

B	H	P	3	AO	D	20	CO	EO	省略/omit	省略/omit	省略/omit
博顿 Boden	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		D 顺时针转 Clockwise S 逆时针转 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5bar. 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为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 $\phi 101.6$) Diamond front cover (centering $\phi 101.6\text{mm}$)	TO	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	Q	后盖带泄油口 Back cover with oil drain
B0	方形前盖 (止口 $\phi 90$) Square front cover (centering $\phi 90\text{mm}$)	CO	平键轴 $\phi 25$ straight keyed $\phi 25$	F	矩形法兰 Split flange		
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 $\square 6-25 \times 20.1 \times 6$	U	美制管螺纹 (UNF-2B) UNF thread		
		H2	矩形花键轴 Rectangle spline shaft $\square 6-25 \times 21 \times 5$	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 179 页 See page 179 for details		详见 180 页 See page 180 for details		详见 181-182 页 See page 181-182 for details		详见 183 页 See page 183 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			
页码 page	184	185	186

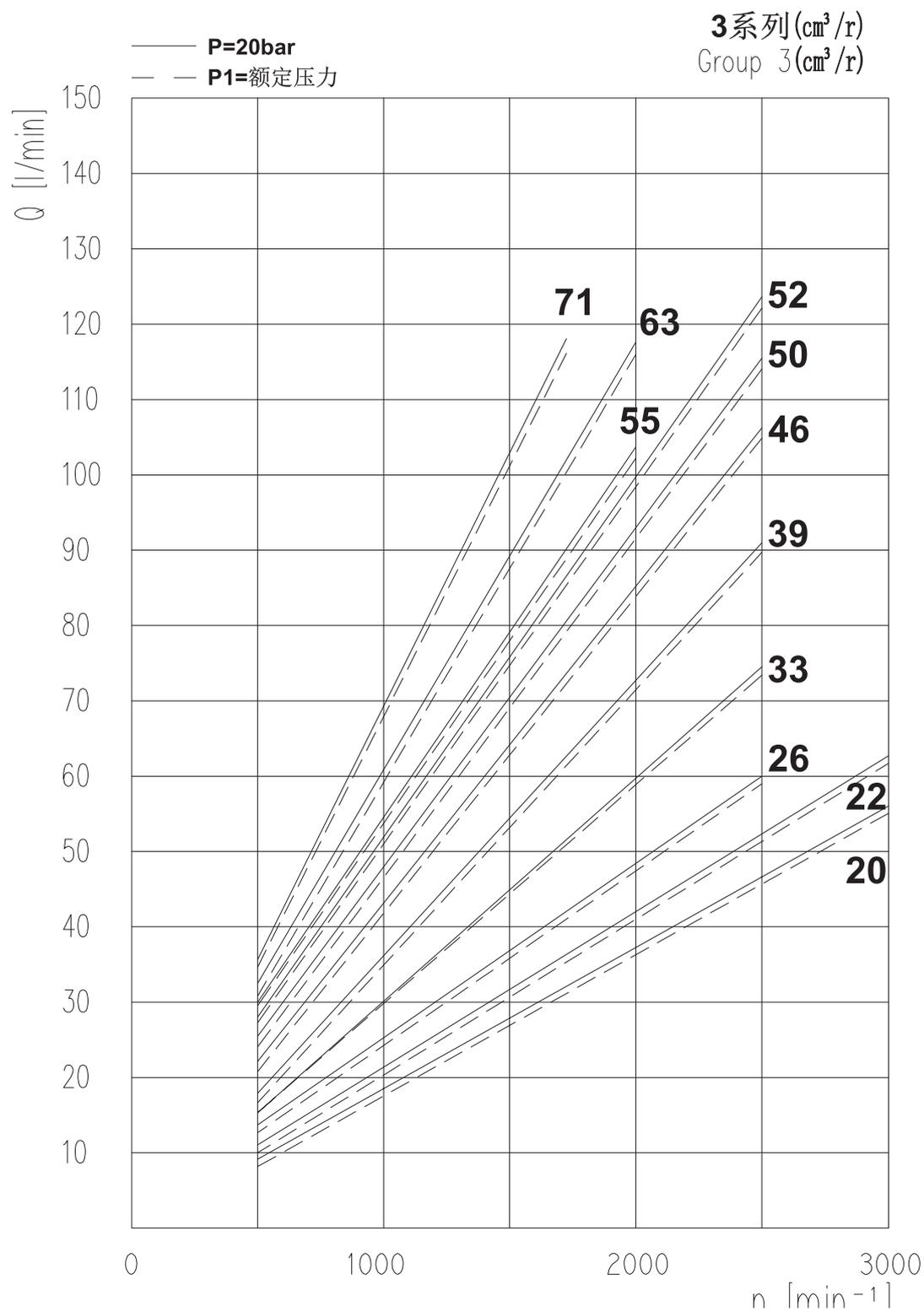
型式 type		
页码 page	187	188

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		2500	
容积效率 Volumetric efficiency	η_v	%	≥92			≥93			≥94			≥95		

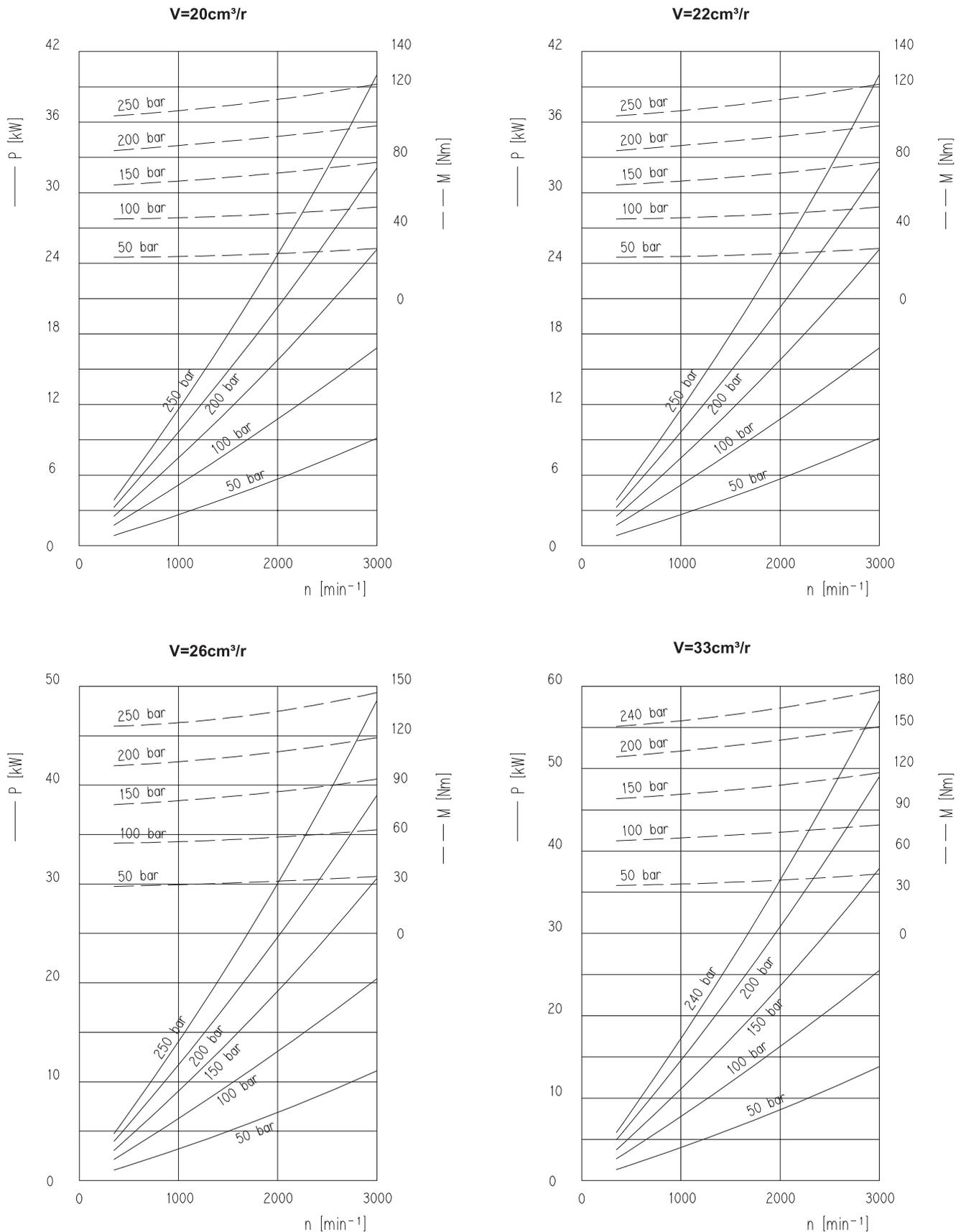
3系列/Group 3

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



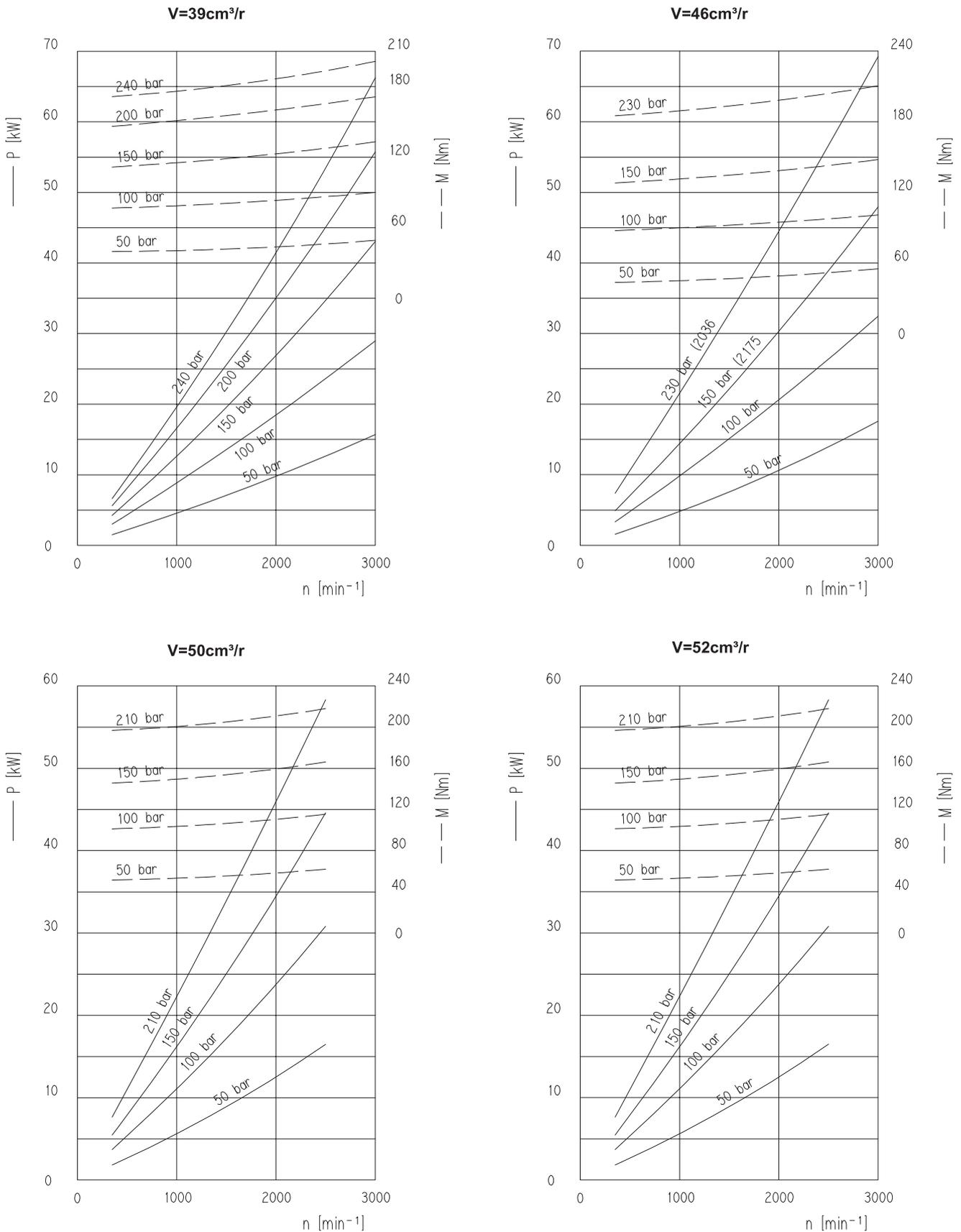
3系列/Group 3

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



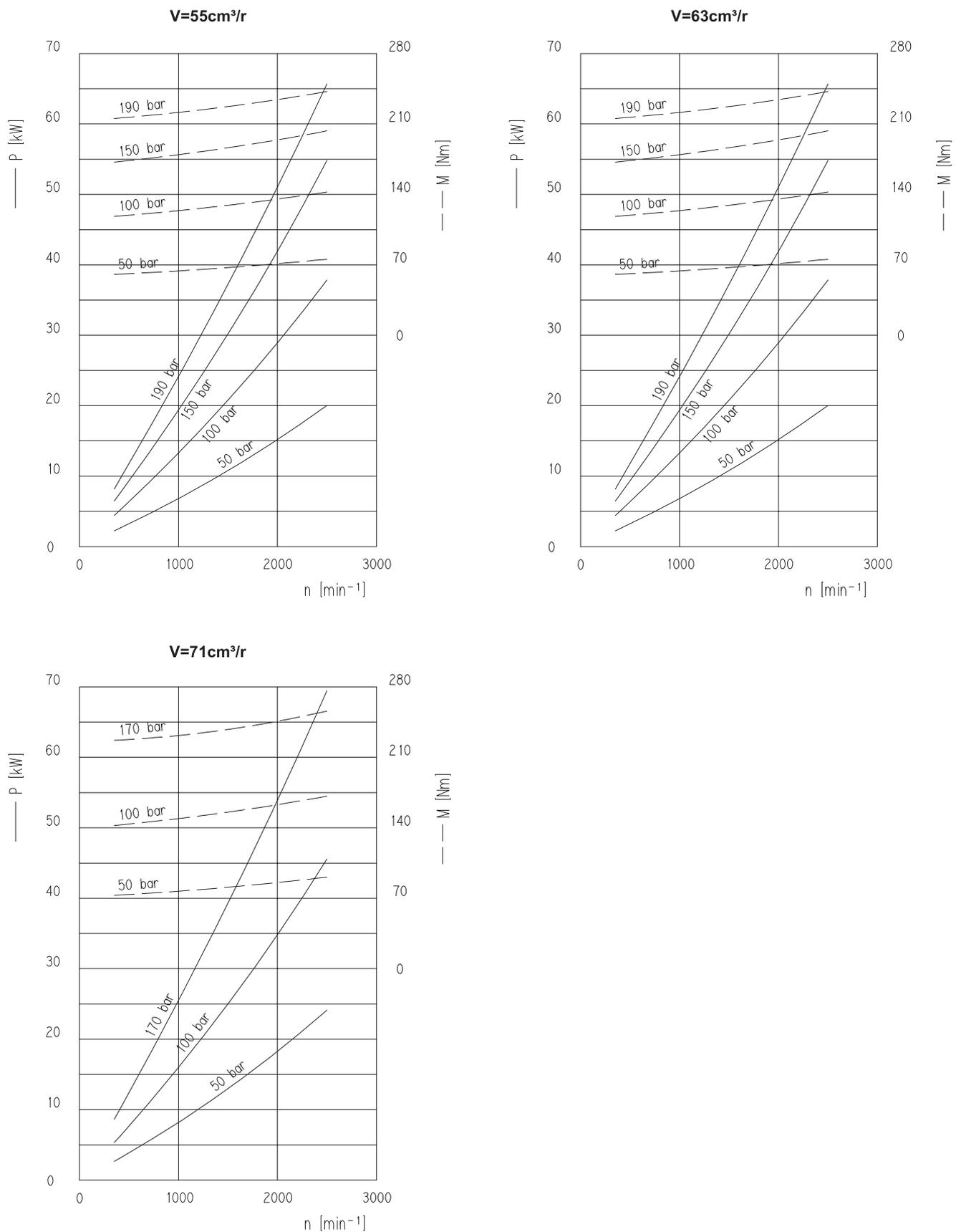
3系列/Group 3

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

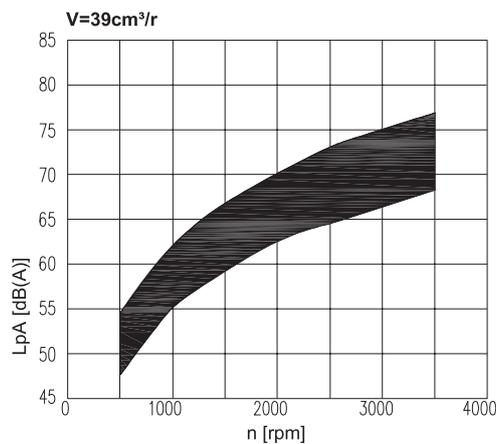
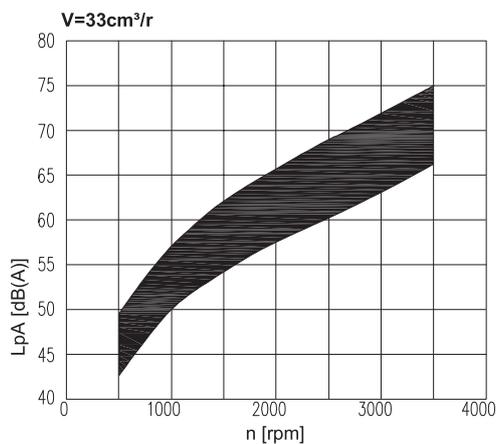
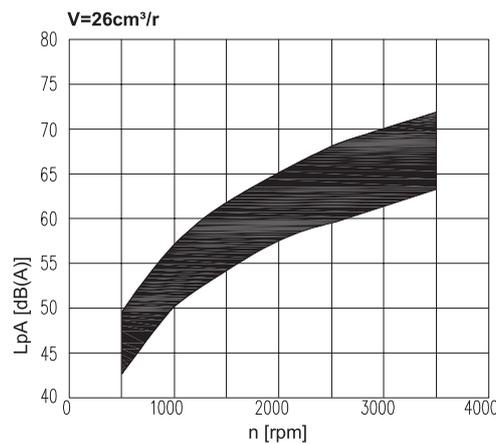
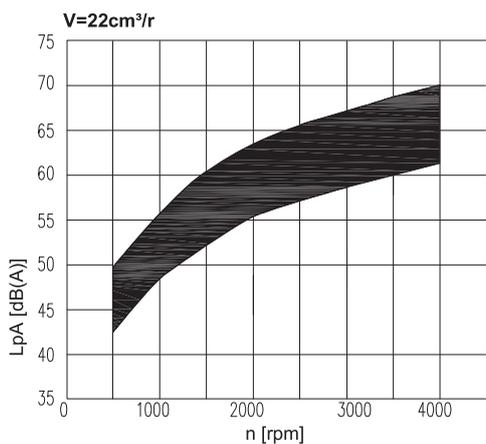
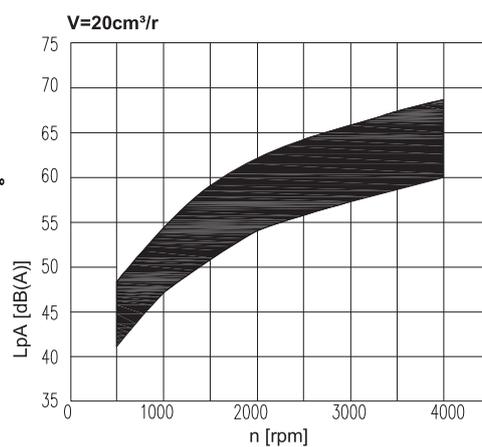
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

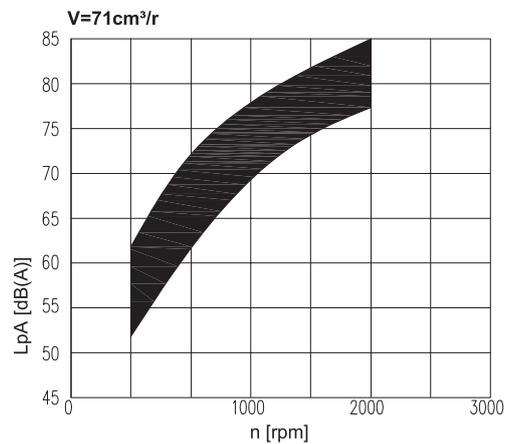
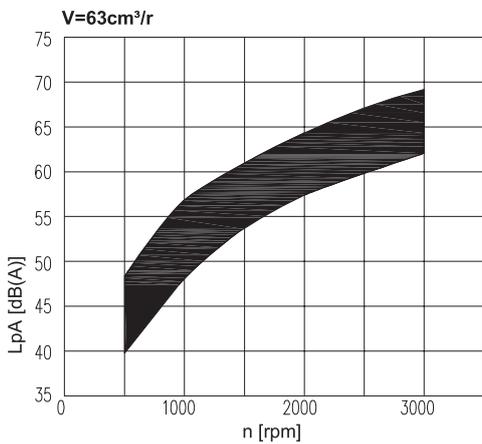
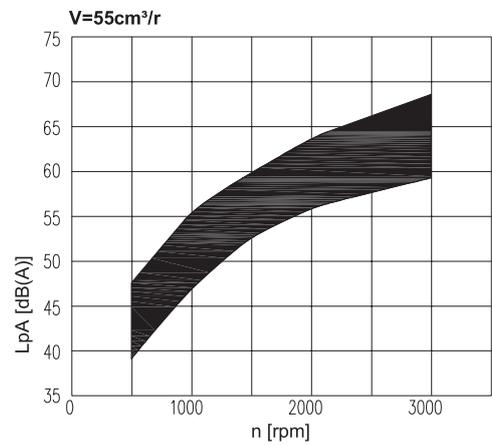
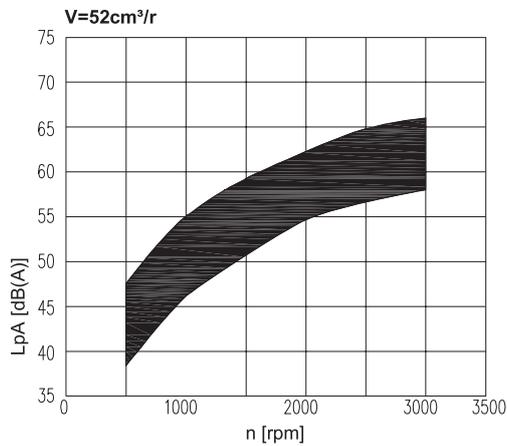
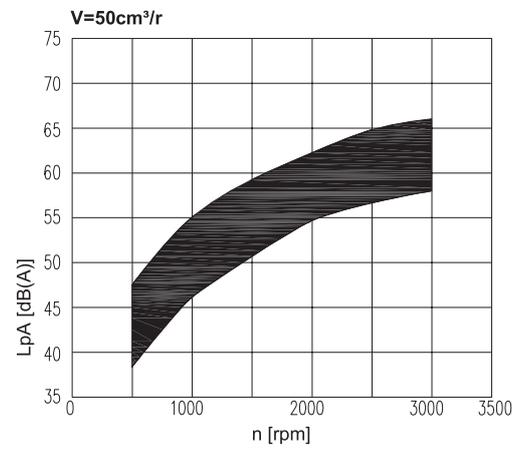
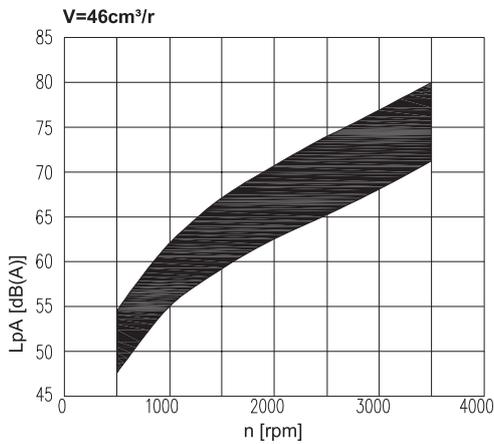
测量传感器与液压泵之间的距离: 1 米。

Distance between measuring sensor and hydraulic pump: 1m.



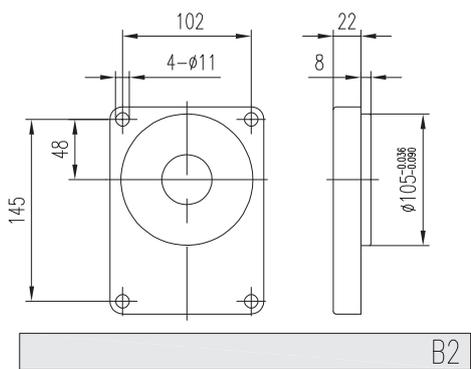
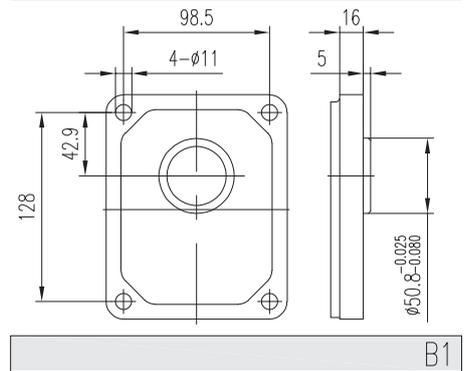
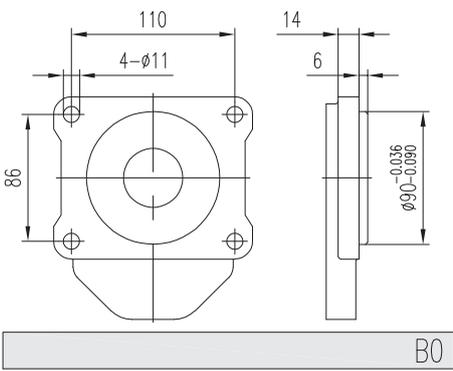
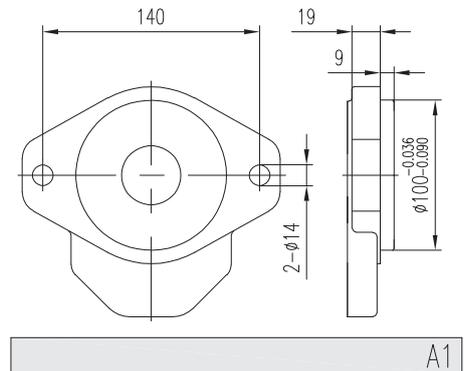
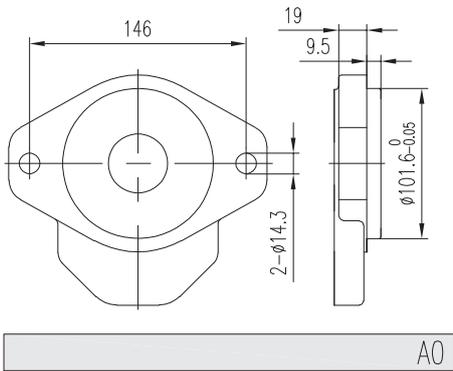
3系列/Group 3

3系列噪音曲线表/Group 3 Noise Curve Table



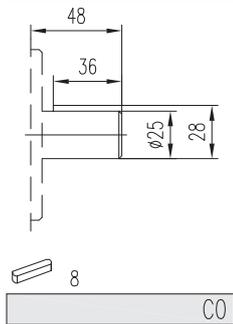
3系列/Group 3

前盖/Front COVER

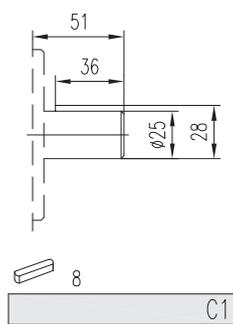


3系列/Group 3

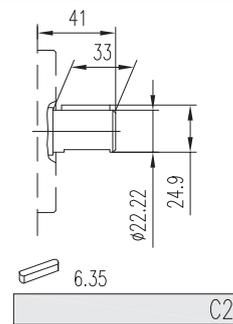
轴伸/SHAFTS



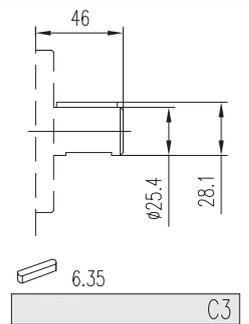
最大扭矩
Max.Torque 450 Nm



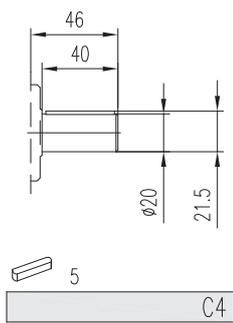
最大扭矩
Max.Torque 450 Nm



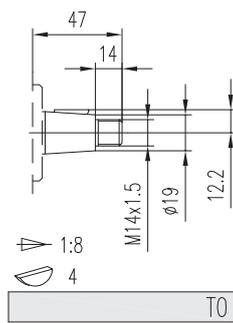
最大扭矩
Max.Torque 400 Nm



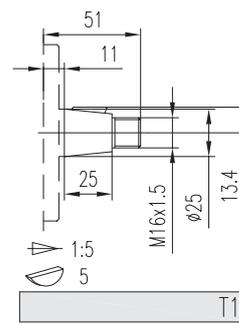
最大扭矩
Max.Torque 450 Nm



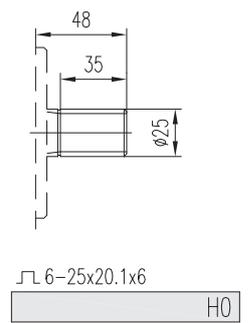
最大扭矩
Max.Torque 350 Nm



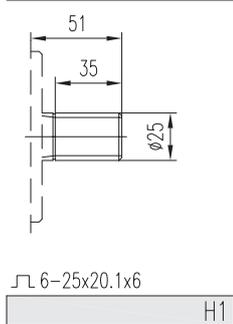
最大扭矩
Max.Torque 300 Nm



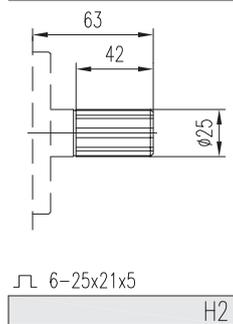
最大扭矩
Max.Torque 350 Nm



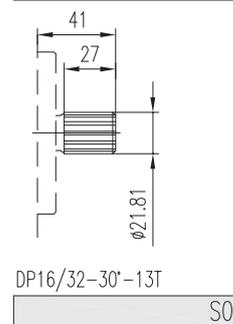
最大扭矩
Max.Torque 500 Nm



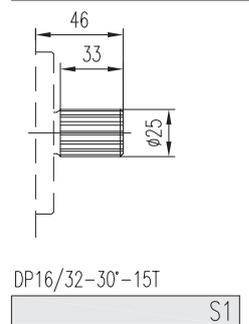
最大扭矩
Max.Torque 500 Nm



最大扭矩
Max.Torque 500 Nm



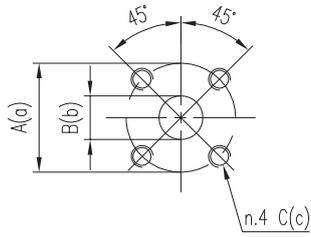
最大扭矩
Max.Torque 500 Nm



最大扭矩
Max.Torque 600 Nm

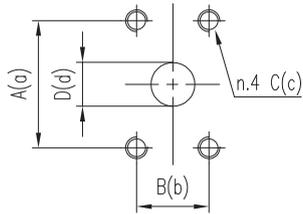
3系列/Group 3

泵体油口/PORTS



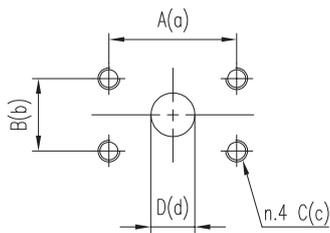
F0/F1/F2/F3

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



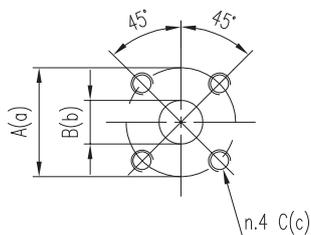
F4/F5

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

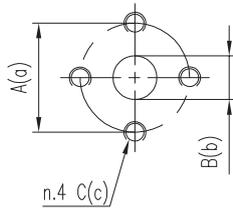


F7

排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
	A	B	C	a	b	c
20...71	55	27	M8	55	19	M8

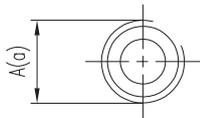
3系列/Group 3

泵体油口/PORTS



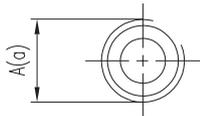
E0/E1/E2/E3

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



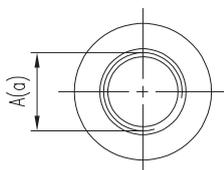
L0/L1/L2/L3

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



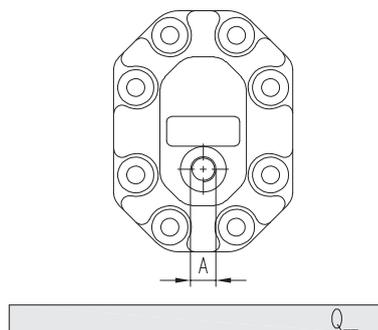
O型圈密封
O-ring

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

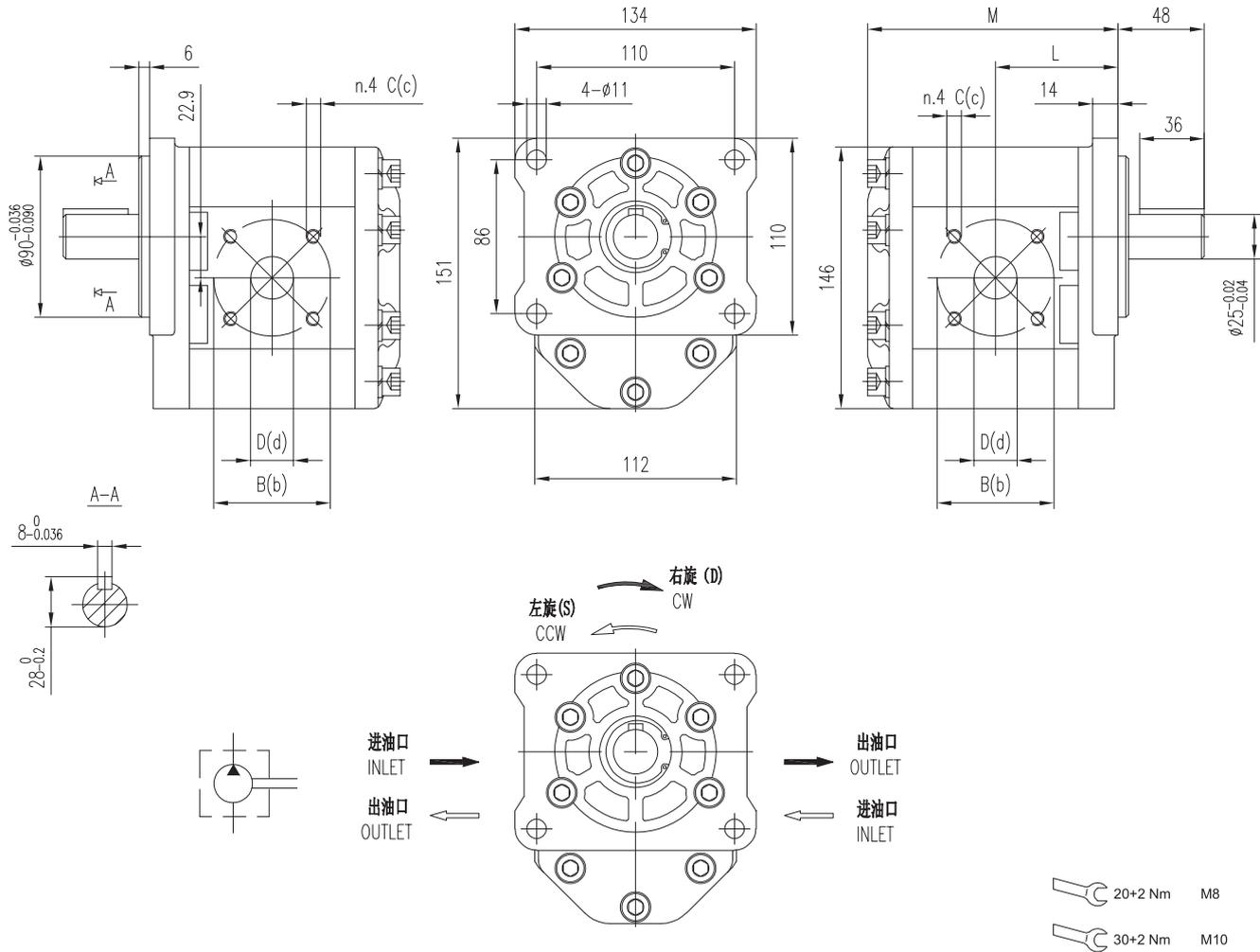


代号 CODE	泄油口 oil drain
	A
Q1	G3/8
Q2	3/4-16UNF

3系列/Group 3

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

BHP3-B0-D-20-C0-F0

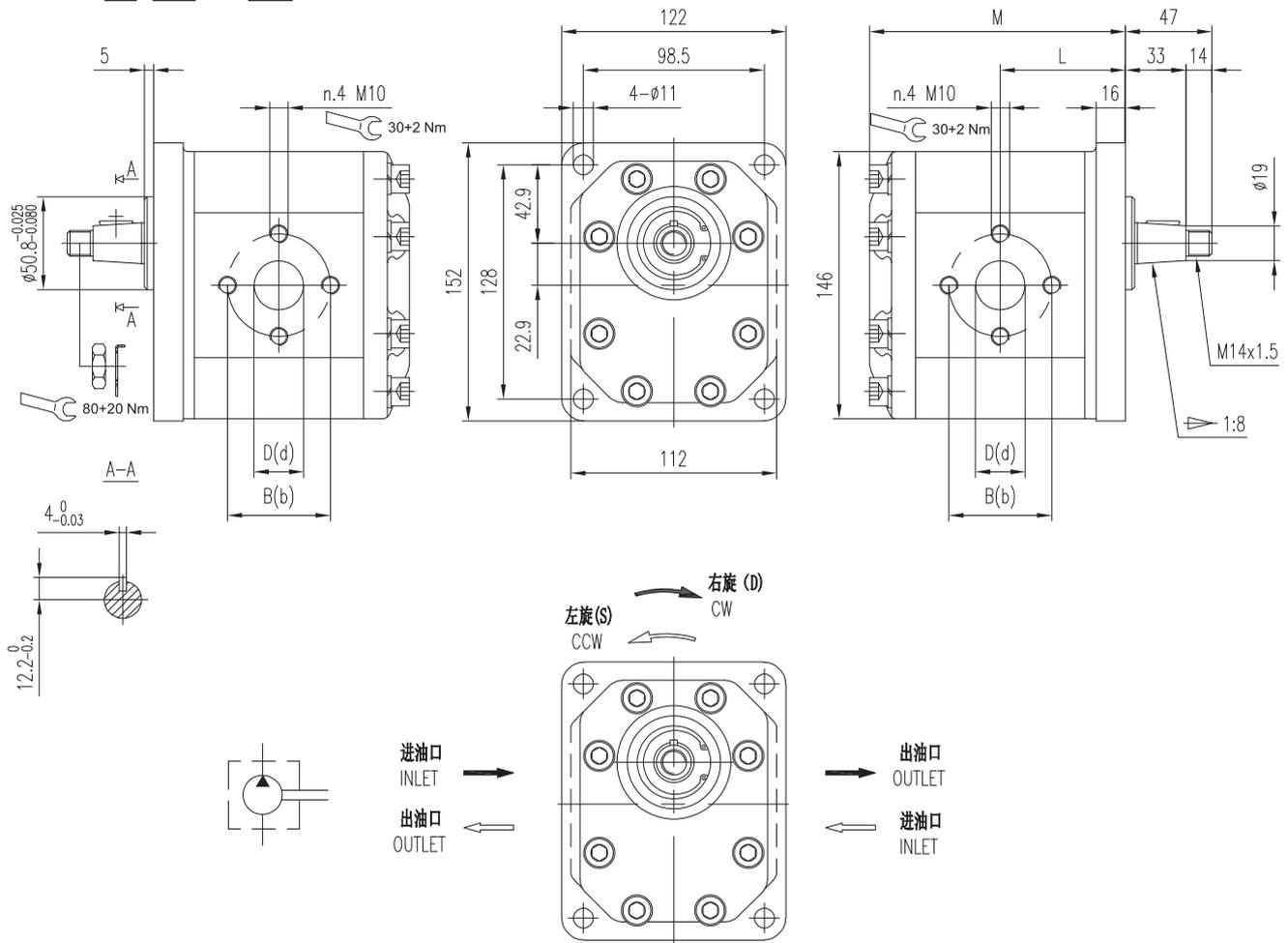


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET			出油口 OUTLET		
	P1	P2	P3				M	L		B	D	C	b	d	c
(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm		mm	mm	mm
20	250	265	280	3500	600	7.5	128	63	F0	50	20	M8	50	20	M8
22	250	265	280	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

BHP3-B1-**D**-20-T0-**E0**

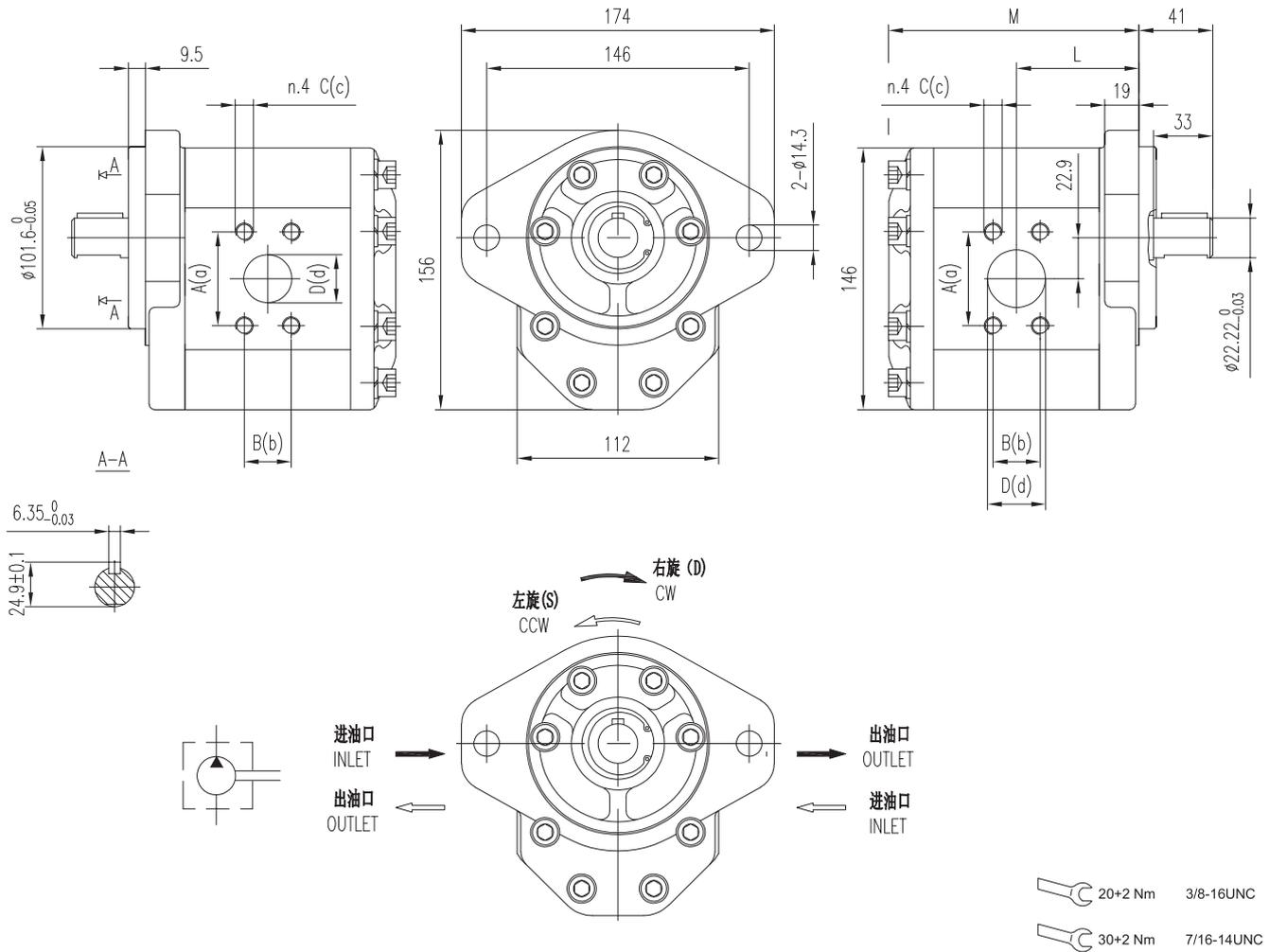


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET		出油口 OUTLET	
	P1	P2	P3				M	L		B	D	b	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	mm	mm
20	250	265	280	3500	600	7.5	128	63	E0	56	27	56	19
22	250	265	280	3500	600	7.7	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

BHP3-A0-D-20-C2-F4



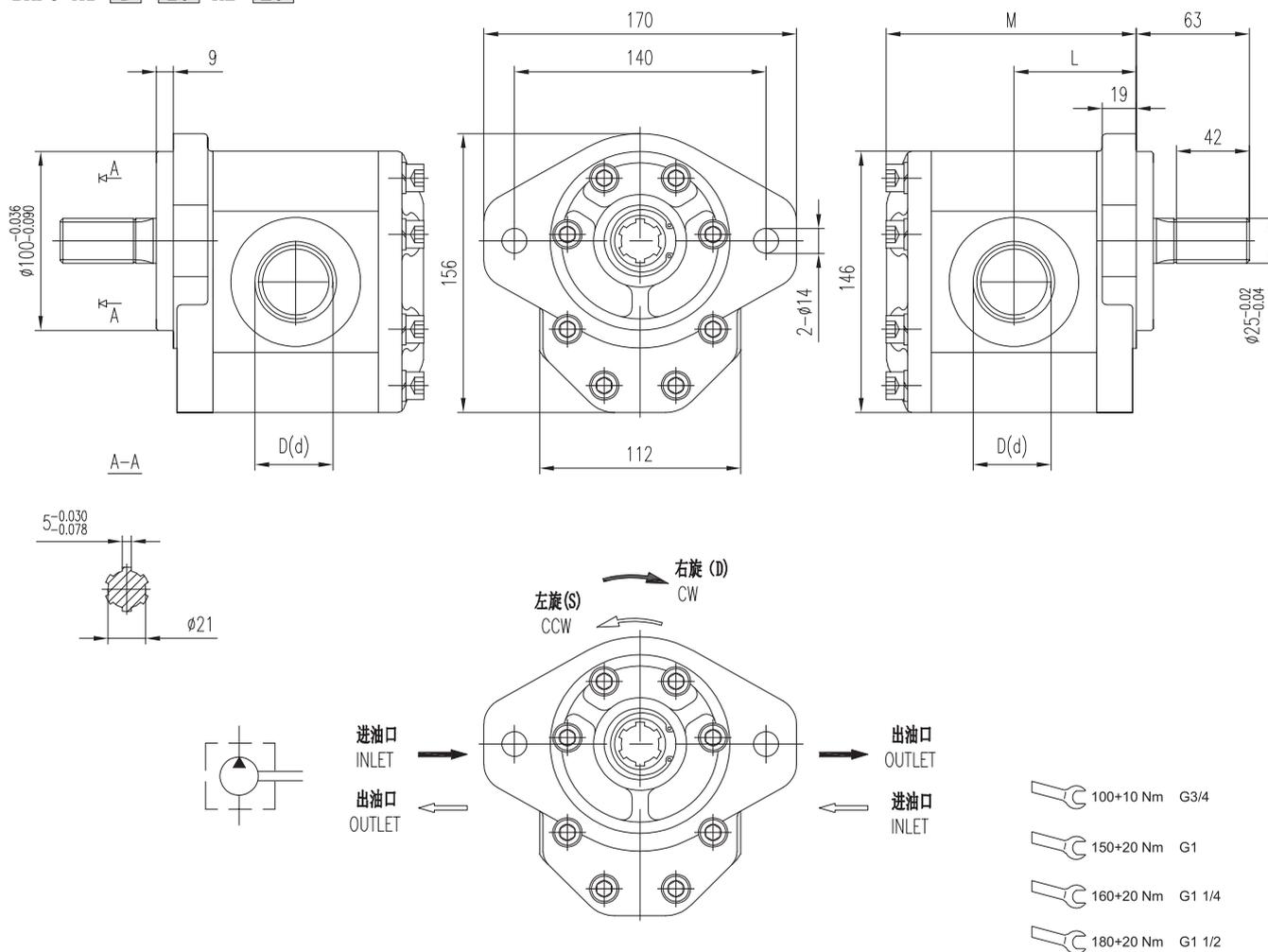
排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET				出油口 OUTLET			
	P1	P2	P3				M	L		A	B	C	D	a	b	c	d
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		mm	mm	UNC	mm	mm	mm	UNC	mm
20	250	265	280	3500	600	7.5	128	63	F4	52.4	26.2	3/8	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

- 20+2 Nm 3/8-16UNC
- 30+2 Nm 7/16-14UNC

3系列/Group 3

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

BHP3-A1-**D**-20-H2-**L0**

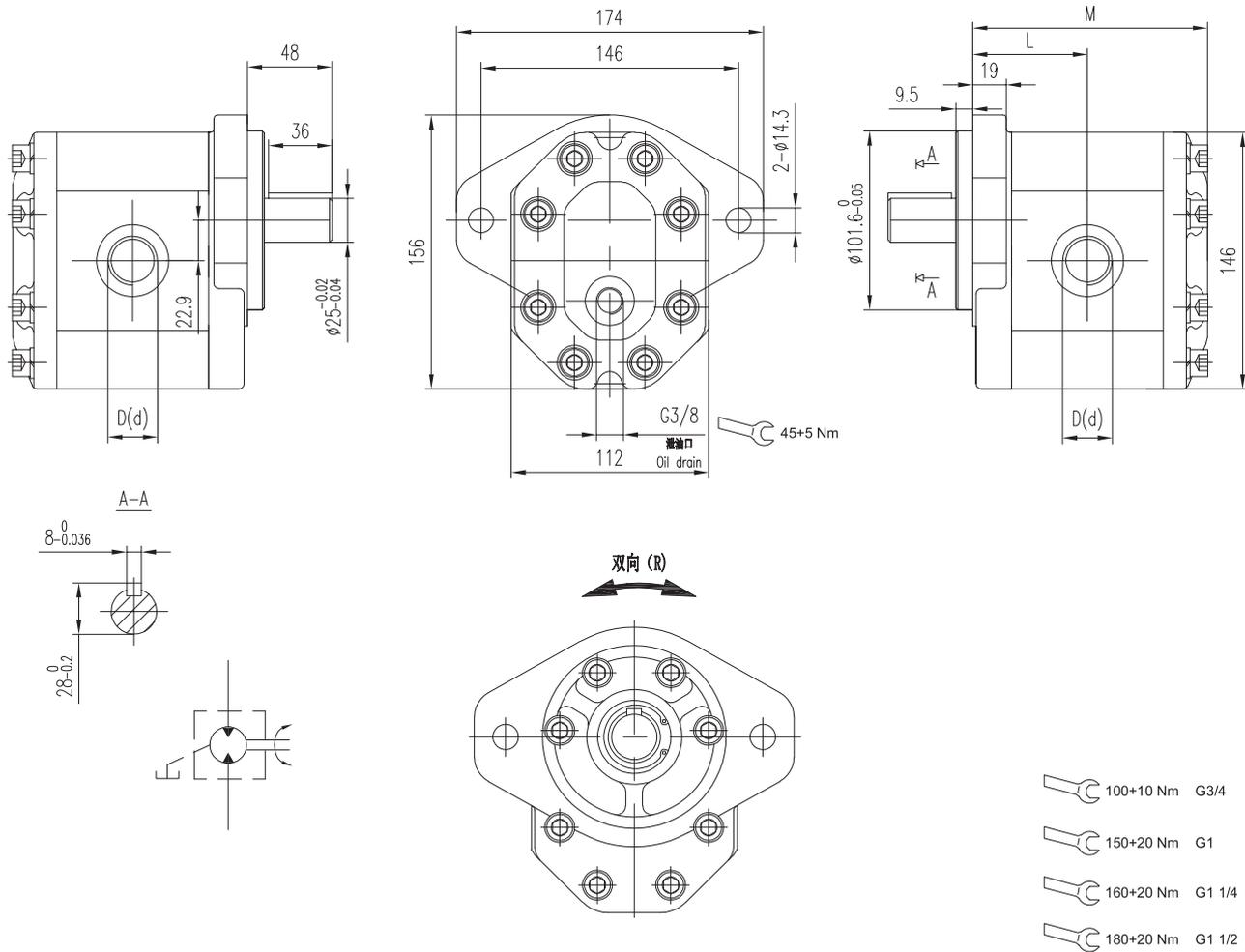


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET D	出油口 OUTLET d
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm			
20	250	265	280	3500	600	7.5	128	63	L0	G3/4	G3/4
22	250	265	280	3500	600	7.7	130	64	L0	G3/4	G3/4
26	250	265	280	3000	600	8.1	133	65	L1	G1	G3/4
33	230	250	270	3000	500	8.6	139	68	L1	G1	G3/4
39	230	250	270	3000	500	9.1	146	72	L1	G1	G3/4
46	230	250	270	3000	500	9.6	152	75	L2	G1 1/4	G1
50	220	240	260	3000	500	10.0	156	77	L2	G1 1/4	G1
52	220	240	260	3000	500	10.2	158	78	L2	G1 1/4	G1
55	200	230	250	2800	400	10.5	160	79	L2	G1 1/4	G1
63	200	230	250	2800	400	11.1	168	83	L2	G1 1/4	G1
71	180	200	220	2500	400	11.8	175	86	L3	G1 1/2	G1 1/4

3系列/Group 3

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

BHM3-A0-R-20-CO-L0-Q1

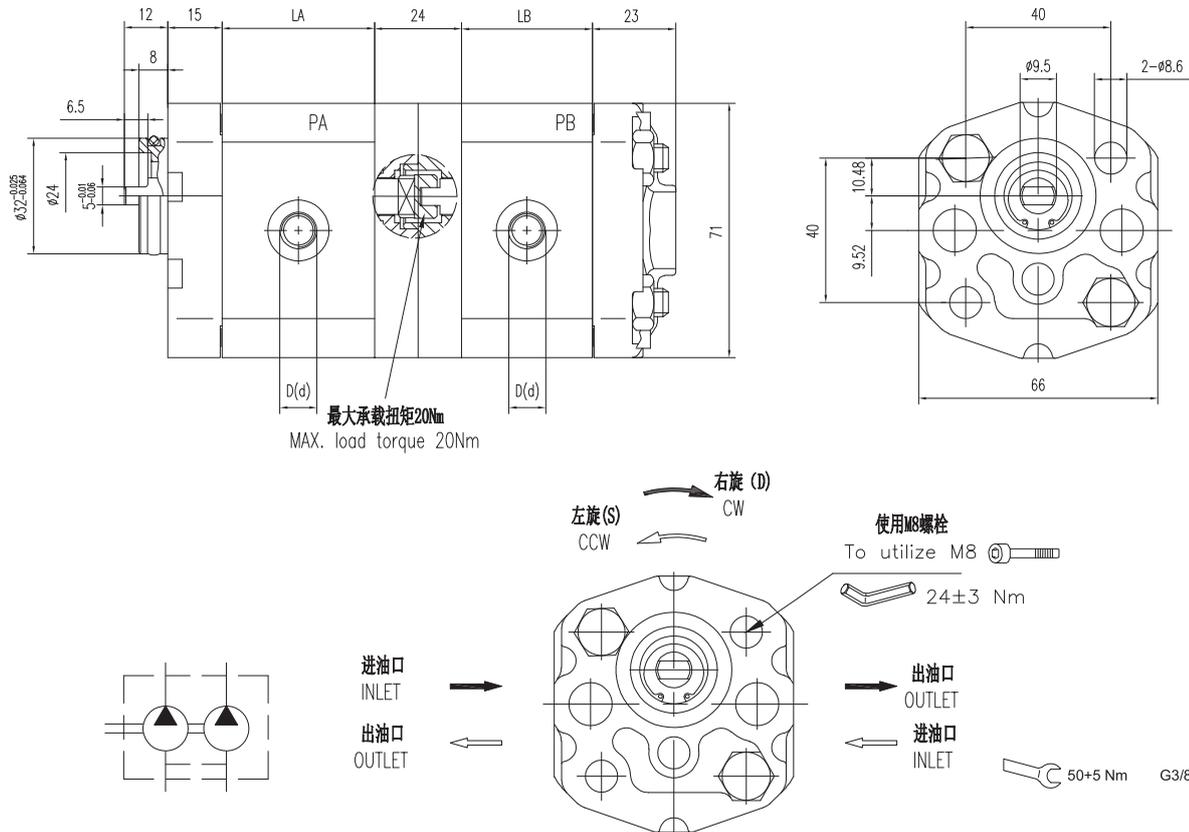


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
20	250	265	280	3500	600	7.5	128	63	L0	G3/4	G3/4
22	250	265	280	3500	600	7.7	130	64	L0	G3/4	G3/4
26	250	265	280	3000	600	8.1	133	65	L1	G1	G3/4
33	230	250	270	3000	500	8.6	139	68	L1	G1	G3/4
39	230	250	270	3000	500	9.1	146	72	L1	G1	G3/4
46	230	250	270	3000	500	9.6	152	75	L2	G1 1/4	G1
50	220	240	260	3000	500	10.0	156	77	L2	G1 1/4	G1
52	220	240	260	3000	500	10.2	158	78	L2	G1 1/4	G1
55	200	230	250	2800	400	10.5	160	79	L2	G1 1/4	G1
63	200	230	250	2800	400	11.1	168	83	L2	G1 1/4	G1
71	180	200	220	2500	400	11.8	175	86	L3	G1 1/2	G1 1/4

1/1系列/Group 1/1

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

BKP1/1-Q1-**D**-**0.8/0.8**-G0-**L3/L3**-F

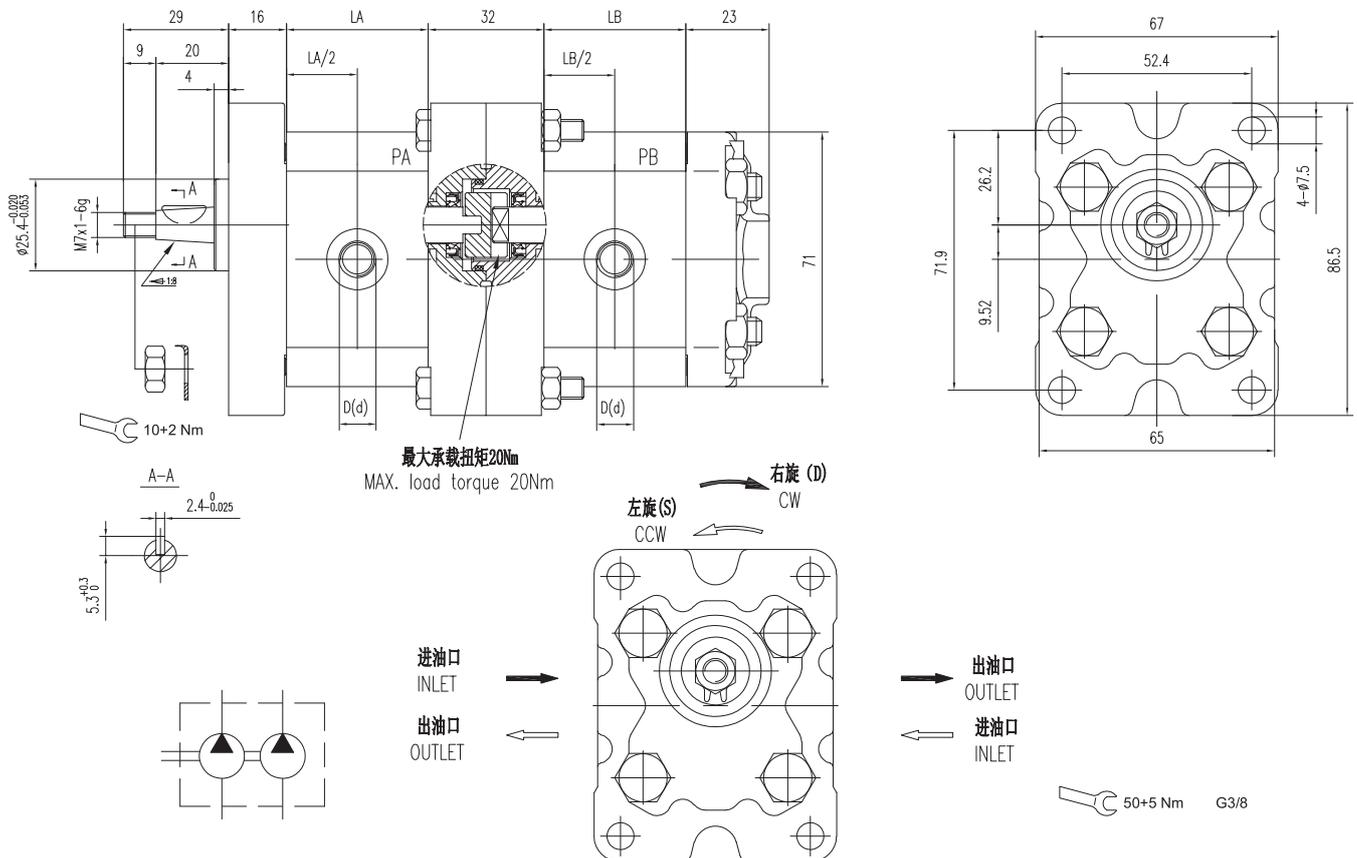


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA (cm ³ /rev)	PB (cm ³ /rev)	PA bar	PB bar			LA mm	LB mm							PA
0.8	0.8	230	230	2500	600	35.6	35.6	L3	G3/8	G3/8	L3	G3/8	G3/8	
1.1	1.1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

BKP1/1-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	G3/8
1.3	1.3	230	230			37.1	37.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
1.6	1.6	230	230			38.1	38.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
1.8	1.8	230	230			39.1	39.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
2.1	2.1	230	230			40.1	40.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
2.7	2.7	230	230			42.1	42.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
3.2	3.2	210	210			44.1	44.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
3.7	3.7	210	210			46.1	46.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
4.2	4.2	210	210			48.1	48.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
4.8	4.8	190	190			50.1	50.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
5.8	5.8	190	190			54.1	54.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
7.0	7.0	160	160			58.1	58.1	L3	G3/8	G3/8	L3	G3/8	G3/8	G3/8
8.0	8.0	160	160			62.1	62.1	L3	G3/8	G3/8	L3	G3/8	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

B	H	P	1.25/1.25	A0	D	1.4/1.4	T0	L0/L0	E	省略/omit	省略/omit
博顿 Boden	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	见1.25系列目录 Ref. Group 1.25 catalogue	见1.25系列目录 Ref. Group 1.25 catalogue	D 顺时针转 Clockwise S 逆时针转 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、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers		1.25 / 1.25 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.

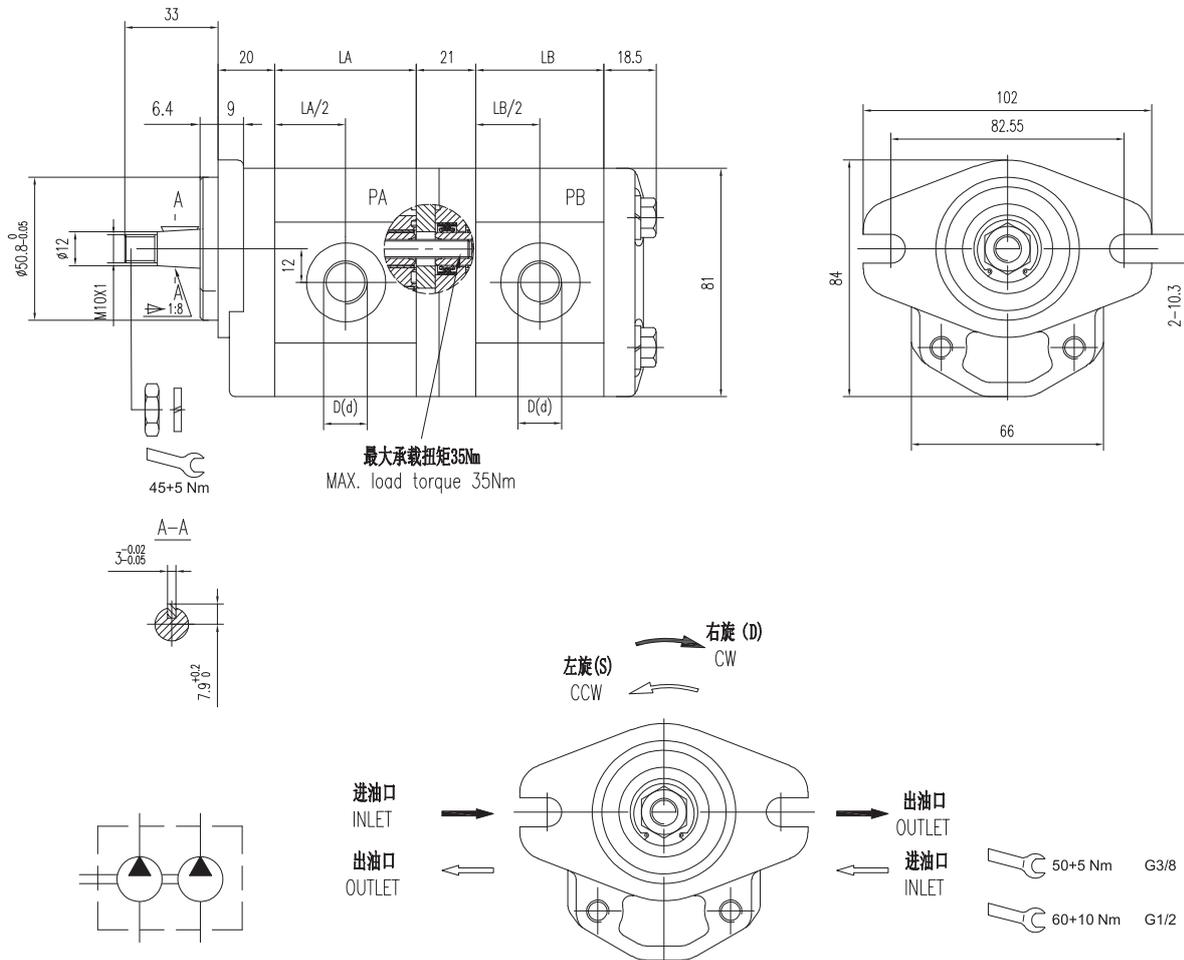
1.25/1.25系列标准型产品概览/Group 1.25/1.25 Standard Product Overview

型式 type		型式 type	
页码 page	216	页码 page	217

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

BHP1.25/1.25-A0-D-1.4/1.4-T0-L0/L0-E

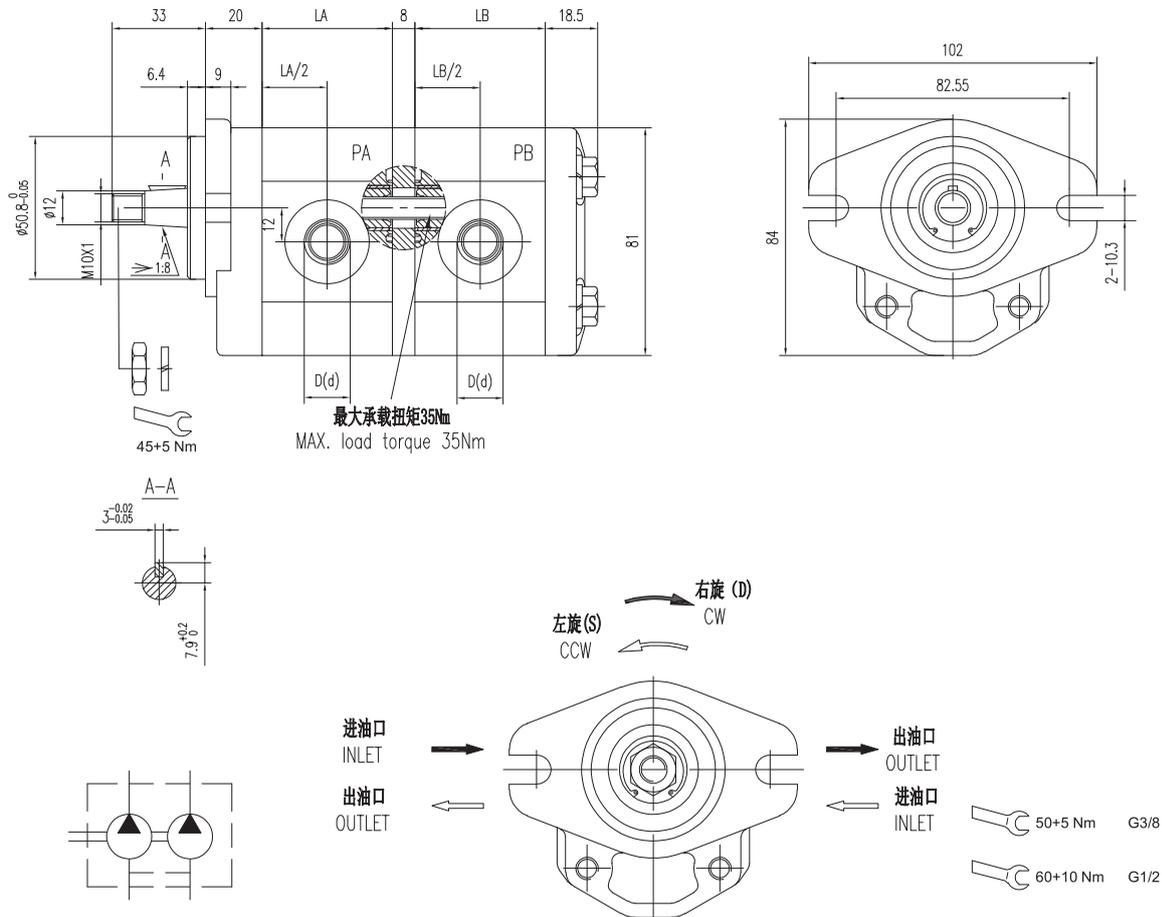


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA	PB	PA	PB			LA	LB	PA	B	b	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm							
1.4	1.4	250	250	2500	600	44.1	44.1	L0	G1/2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

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

BHP1.25/1.25-A0-D-1.4/1.4-T0-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	B	b	PB	D	d		
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	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系列选型规则/Group 2/2 Ordering Code Rules

B	A	P	2/2	B0	D	3/3	T0	E0/E0	E	省略/omit	省略/omit
博顿 Boden	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	2/2 2系列 Group 2 + 2系列 Group 2	见2系列目录 Ref. Group 2 catalogue	D 顺时针转 Clockwise S 逆时针转 Counter clockwise	PA PB 3 3 4 4 6 6 8 8 10 10 12 12 14 14 16 16 18 18 20 20 22 22 25 25 28 28 30 30	见2系列目录 Ref. Group 2 catalogue	见2系列目录 Ref. Group 2 catalogue	F 通油型 Common type E 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.

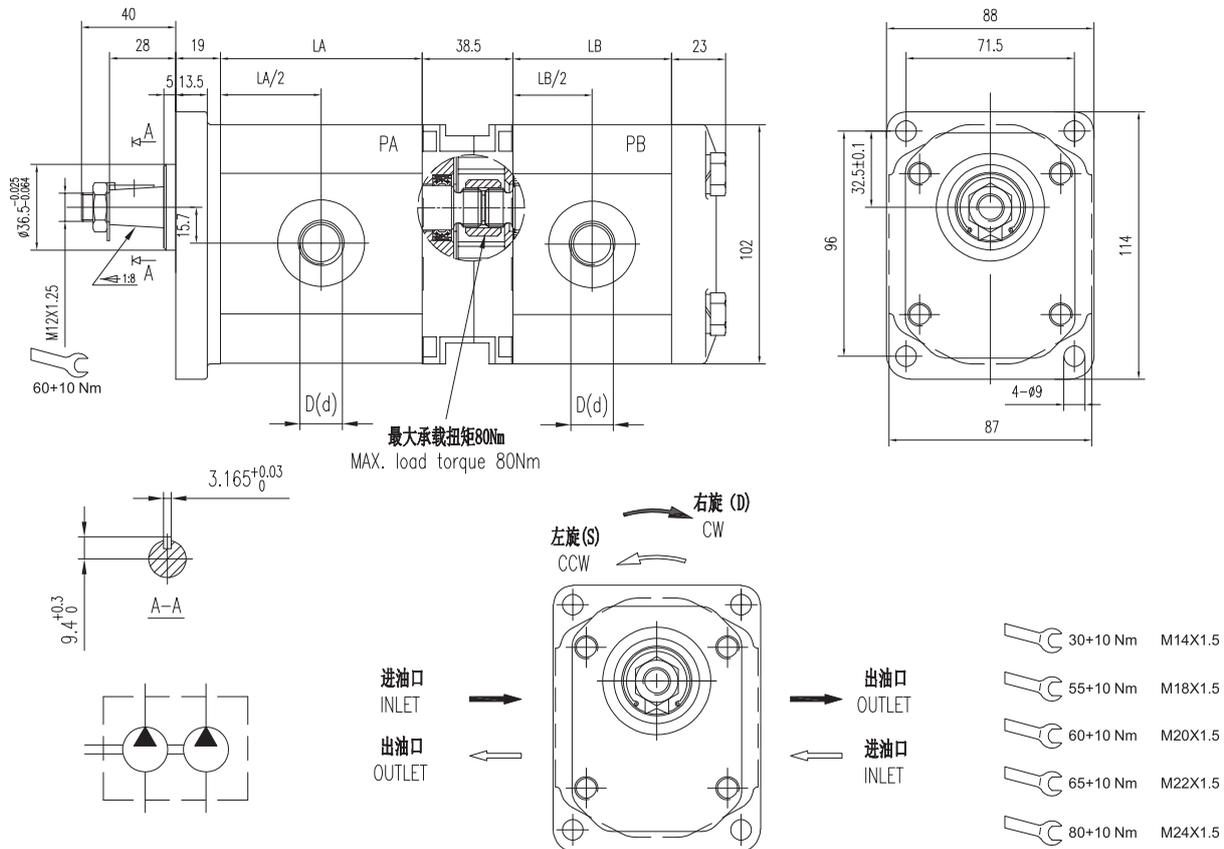
2/2系列标准型产品概览/Group 2/2 Standard Product Overview

型式 type		型式 type		型式 type	
页码 page	219	页码 page	220	页码 page	221

2/2系列/Group 2/2

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

BHP2/2-B0-D-3/3-T0-L0/L0-E

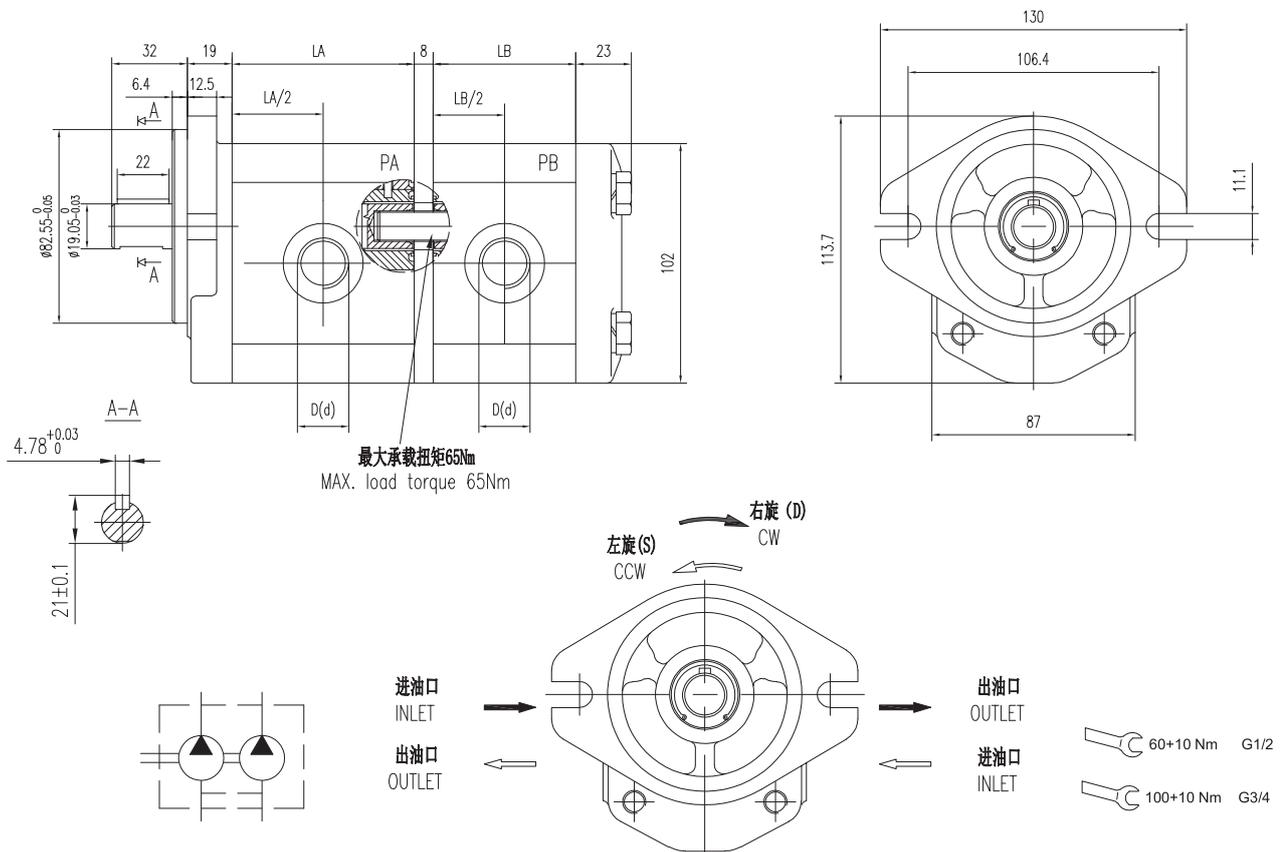


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码	进油口	出油口	油口代码	进油口	出油口	
PA	PB	PA	PB			LA	LB	PA	In Let	Out Let	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm							
3	3	285	285	2500	600	49.1	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2	
4	4	285	285			50.7	50.7	L0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

BHP2/2-A0-D-3/3-C1-L0/L0-F

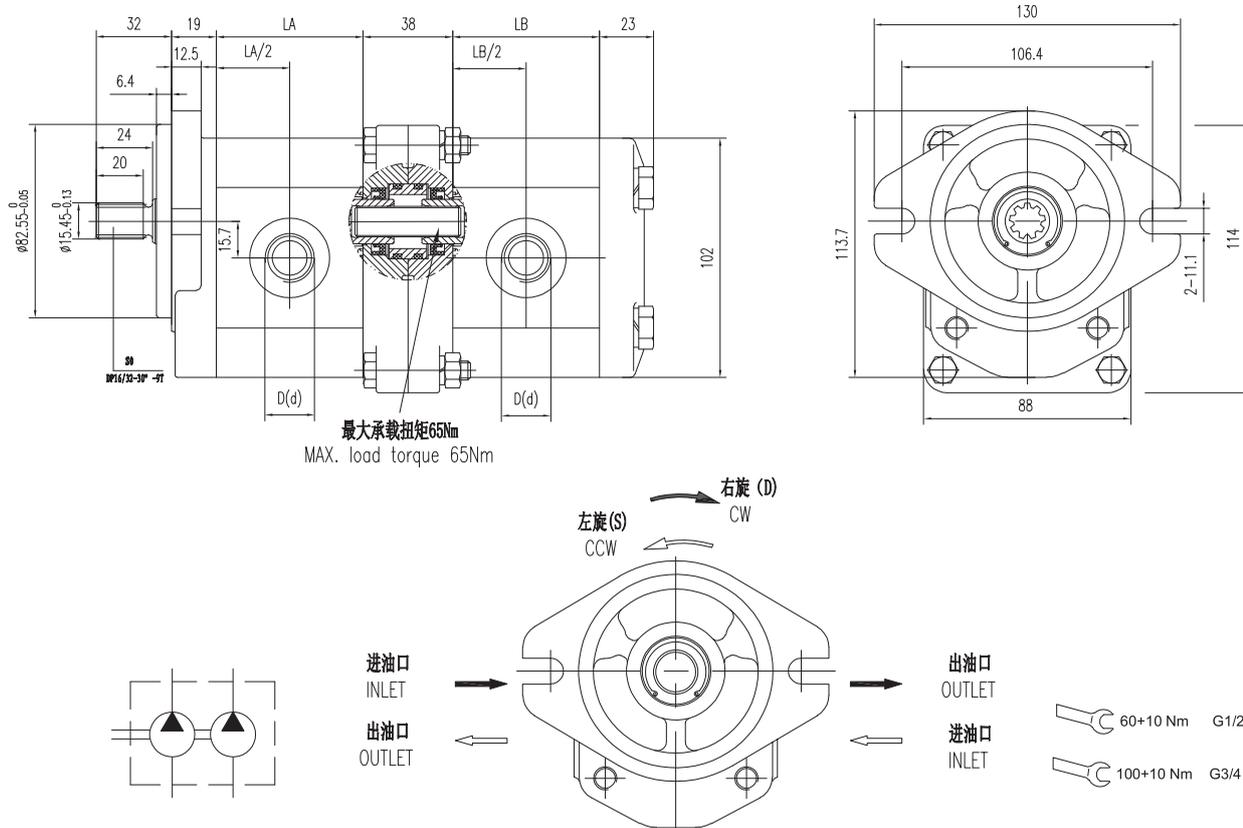


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA	PB	PA	PB			LA	LB	PA	D	d	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm							
3	3	285	285	2500	600	49.1	49.1	L0	G1/2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

BHP2/2-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			LA	LB	PA	D	d	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	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	G1/2
6	6	285	285			54	54	L0	G1/2	G1/2	L0	G1/2	G1/2	G1/2
8	8	285	285			57.3	57.3	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
10	10	285	285			60.6	60.6	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
12	12	285	285			63.9	63.9	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
14	14	265	265			67.3	67.3	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
16	16	265	265			70.7	70.7	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
18	18	265	265			74	74	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
20	20	235	235			77.3	77.3	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
22	22	235	235			80.6	80.6	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
25	25	215	215			85.6	85.6	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
28	28	190	190			90.6	90.6	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2
30	30	170	170			93.9	93.9	L1	G3/4	G1/2	L1	G3/4	G1/2	G1/2

2/1系列/Group 2/1

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

B	H	P	2/1	B0	D	3/0.8	T0	L0/L3	Ec	省略/omit	省略/omit
博顿 Boden	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 顺时针转 Clockwise S 逆时针转 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.

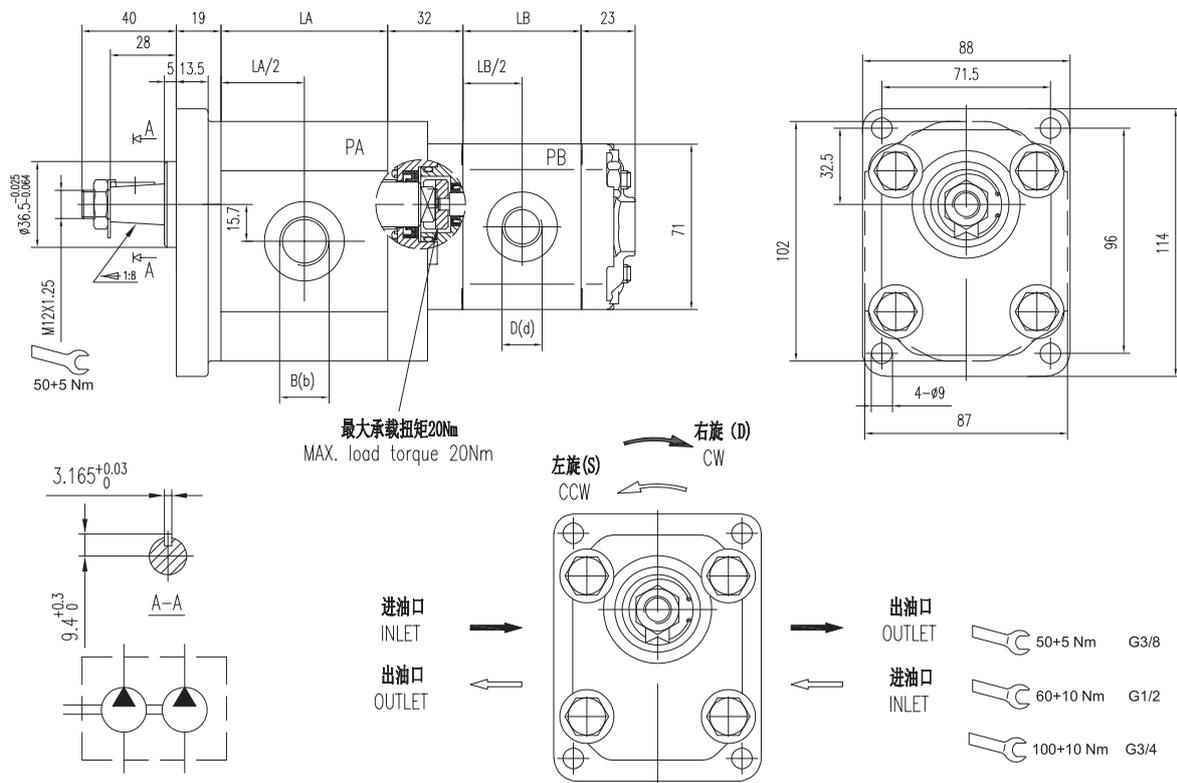
2/1系列标准型产品概览/Group 2/1 Standard Product Overview

型式 type		型式 type	
页码 page		页码 page	224

2/1系列/Group 2/1

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

BHP2/1-B0-D-3/0.8-T0-L0/L3-Ec

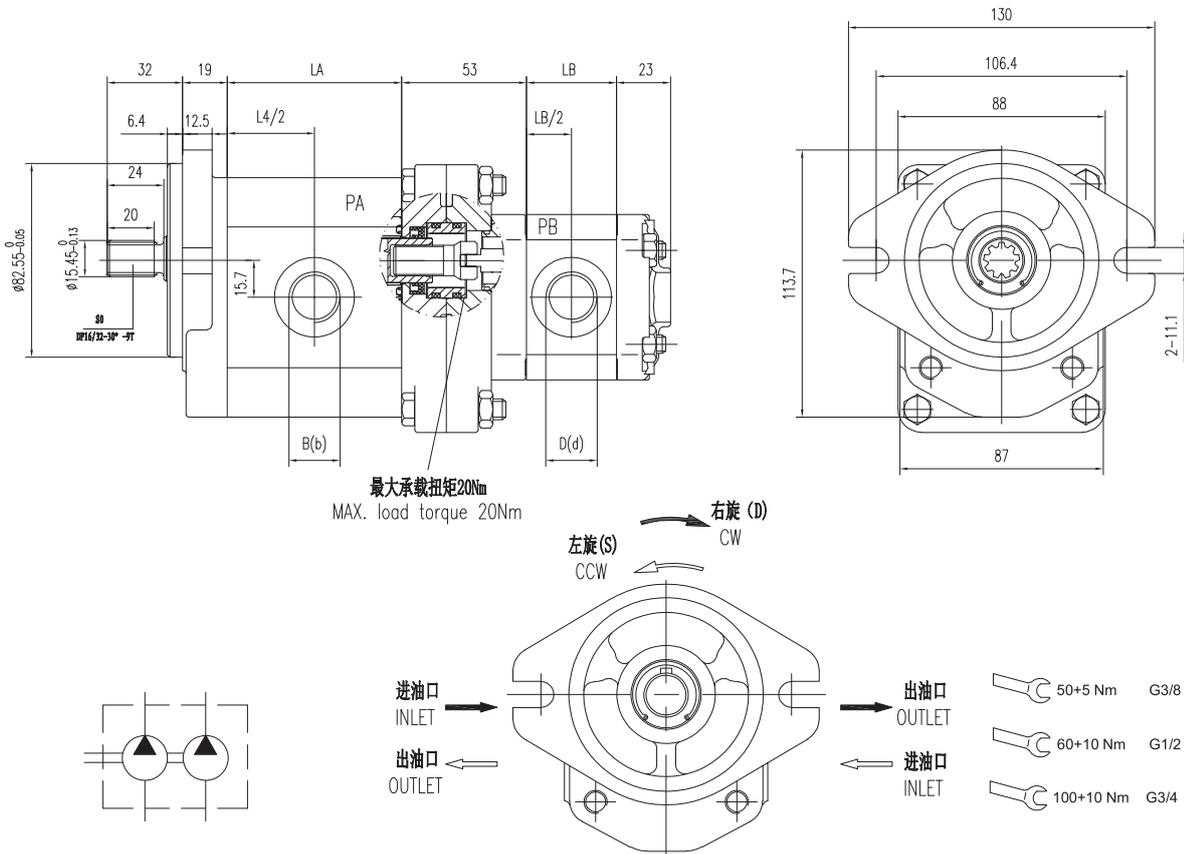


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	B	b	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm							
3	0.8	285	270	2500	600	49.1	35.6	L0	G1/2	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

2/1系列/Group 2/1

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

BHP2/1-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					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

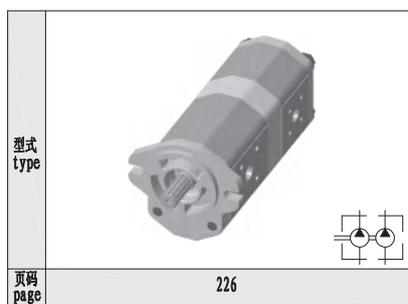
2.5/2.5系列/Group 2.5/2.5

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

B	H	P	2.5/2.5	A1	D	10/10	C0	Z0/Z0	E	省略/omit	省略/omit
博顿 Boden	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 + 2.5系列 Group 2.5	见2.5系列目录 Ref. Group 2.5 catalogue	D 顺时针转 Clockwise S 逆时针转 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
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.

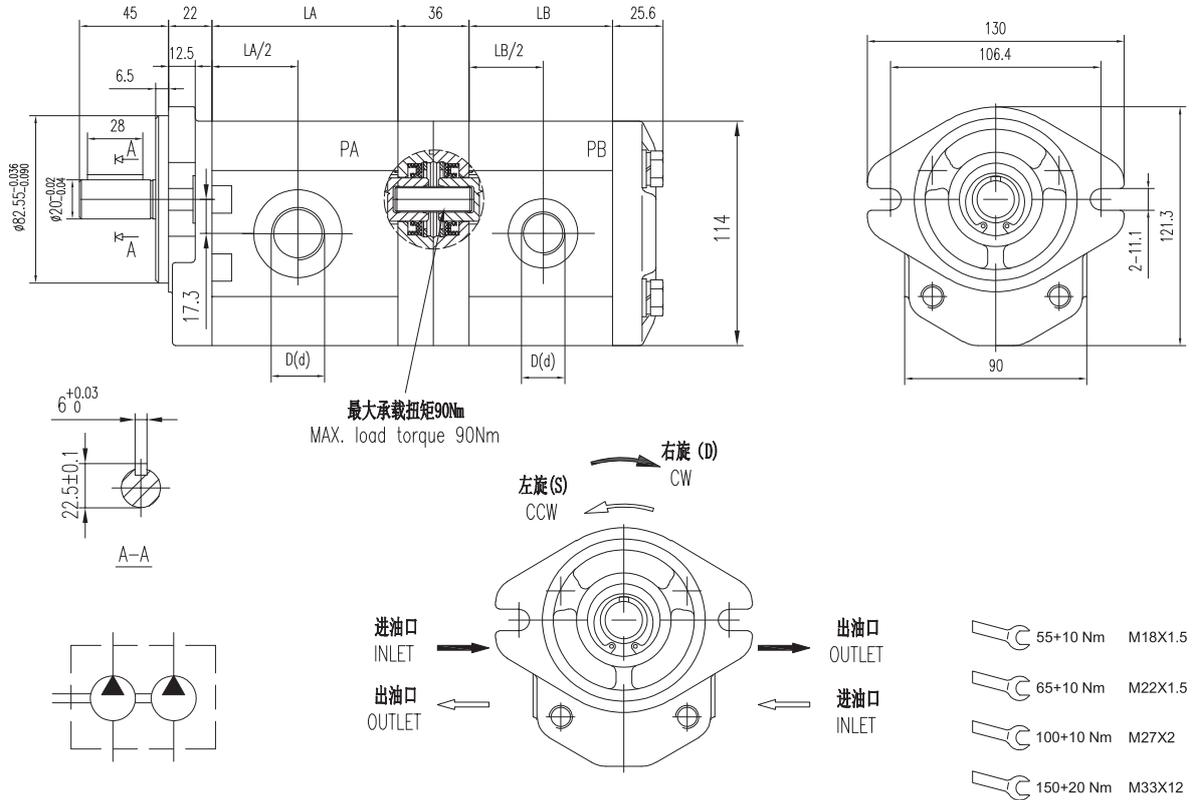
2.5/2.5系列标准型产品概览/Group 2.5/2.5 Standard Product Overview



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

BHP2.5/2.5-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			LA	LB	PA	D	d	PB	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	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		

- 55+10 Nm M18X1.5
- 65+10 Nm M22X1.5
- 100+10 Nm M27X2
- 150+20 Nm M33X12

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

B	H	P	2.6/2.6	A2	D	6/6	S3	L0/L0	F	省略/omit	省略/omit
博顿 Boden	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 Group 2.6 / 2.6 + 2.6系列 Group 2.6	见2.6系列目录 Ref. Group 2.6 catalogue	D 顺时针转 Clockwise S 逆时针转 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
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3bar。 Omit-Range between -10℃ and +80℃, 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℃ and +120℃. 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℃ 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.

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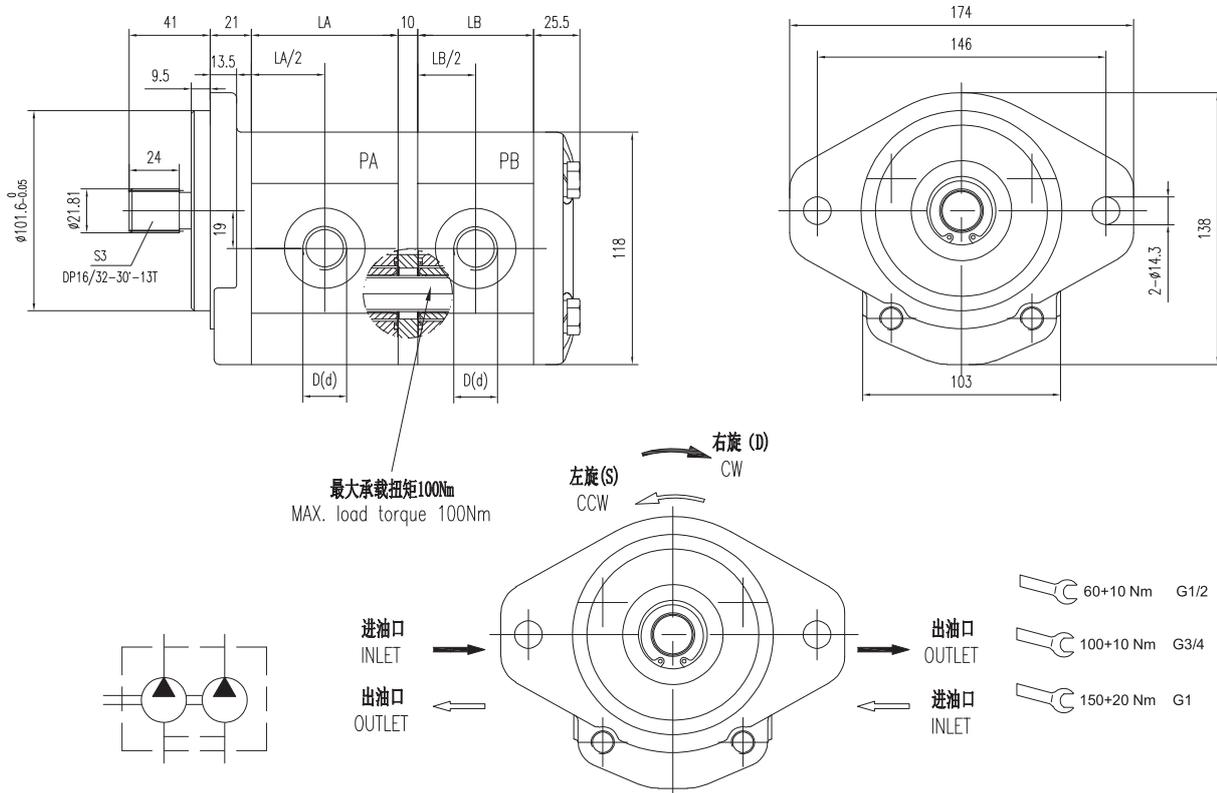
2.6/2.6系列标准型产品概览/Group 2.6/2.6 Standard Product Overview

型式 type	
页码 page	228

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

BHP2.6/2.6-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			LA	LB	PA	D	d	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	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	G1/2
10	10	250	250			60.6	60.6	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
12	12	250	250			63.1	63.1	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
14	14	250	250			64.6	64.6	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
16	16	250	250			67.1	67.1	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
19	19	250	250			70.6	70.6	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
22	22	250	250			74.1	74.1	L0	G3/4	G1/2	L0	G3/4	G1/2	G1/2
25	25	250	250			76.6	76.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
28	28	250	250			79.6	79.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
30	30	230	230			82.1	82.1	L1	G1	G3/4	L1	G1	G3/4	G3/4
32	32	230	230			84.6	84.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
36	36	200	200			88.6	88.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
38	38	200	200			90.6	90.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
40	40	170	170			92.6	92.6	L1	G1	G3/4	L1	G1	G3/4	G3/4
44	44	170	170			97.1	97.1	L1	G1	G3/4	L1	G1	G3/4	G3/4

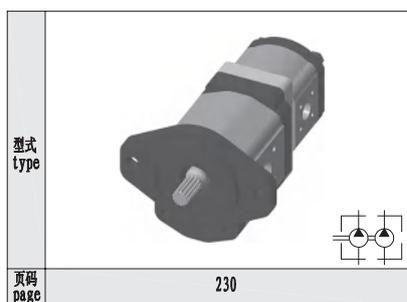
2.6/2系列/Group 2.6/2

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

B	H	P	2.6/2	A2	D	6/6	S3	L0/L0	E	省略/omit	省略/omit
博顿 Boden	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 Group 2.6 + 2系列 Group 2	见2.6系列目录 Ref. Group 2.6 catalogue	D 顺时针转 Clockwise S 逆时针转 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
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.											

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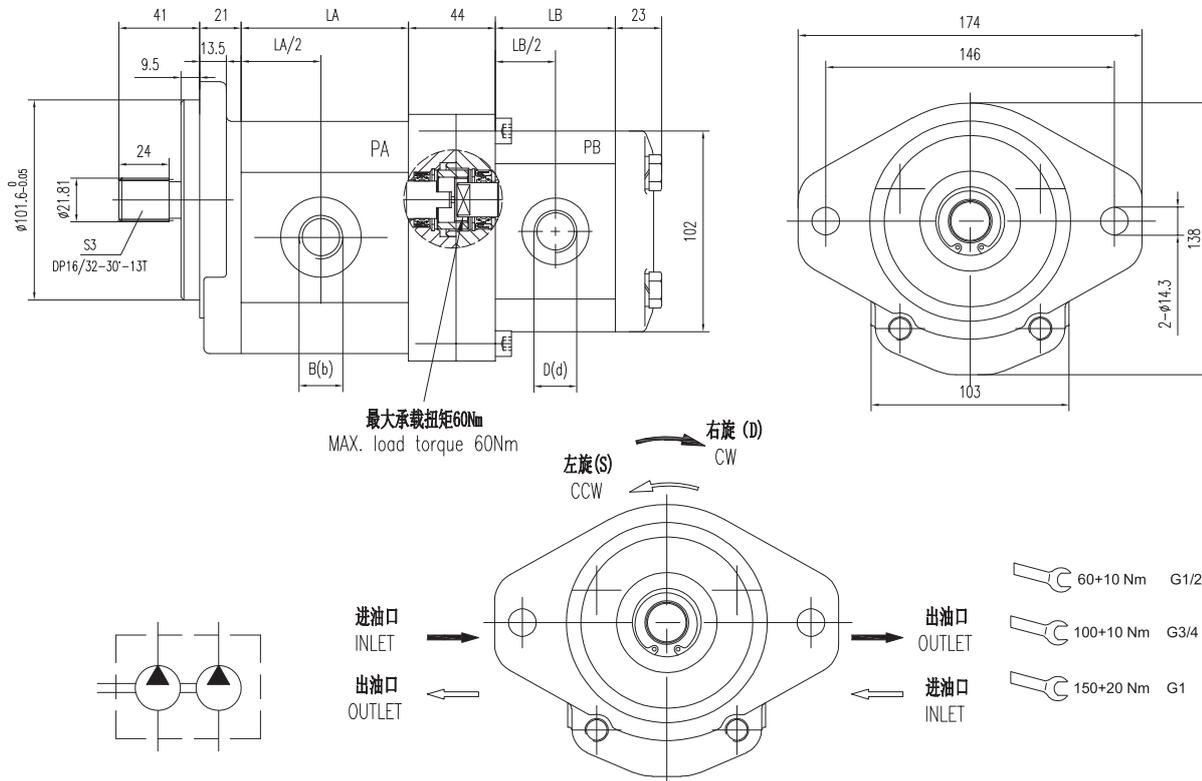
2.6/2系列标准型产品概览/Group 2.6/2 Standard Product Overview



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

BHP2.6/2-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			LA	LB	PA	B	b	PB	D	d		
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	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	G1/2	
10	6	250	285			60.6	54	L0	G3/4	G1/2	L0	G1/2	G1/2	G1/2	
12	8	250	285			63.1	57.3	L0	G3/4	G1/2	L1	G3/4	G1/2	G1/2	
14	10	250	285			64.6	60.6	L0	G3/4	G1/2	L1	G3/4	G1/2	G1/2	
16	12	250	285			67.1	63.9	L0	G3/4	G1/2	L1	G3/4	G1/2	G1/2	
19	14	250	265			70.6	67.3	L0	G3/4	G1/2	L1	G3/4	G1/2	G1/2	
22	16	250	265			74.1	70.7	L0	G3/4	G1/2	L1	G3/4	G1/2	G1/2	
25	18	250	265			76.6	74	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
28	20	250	235			79.6	77.3	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
30	22	230	235			82.1	80.6	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
32	25	230	215			84.6	85.6	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
36	28	200	190			88.6	90.6	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
38	30	200	170			90.6	93.9	L1	G1	G3/4	L1	G3/4	G1/2	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

B	H	P	3/3	B1	D	20/20	T0	L0/L0	E	省略/omit	省略/omit
博顿 Boden	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	3/3 3系列 Group 3 + 3系列 Group 3	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 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.

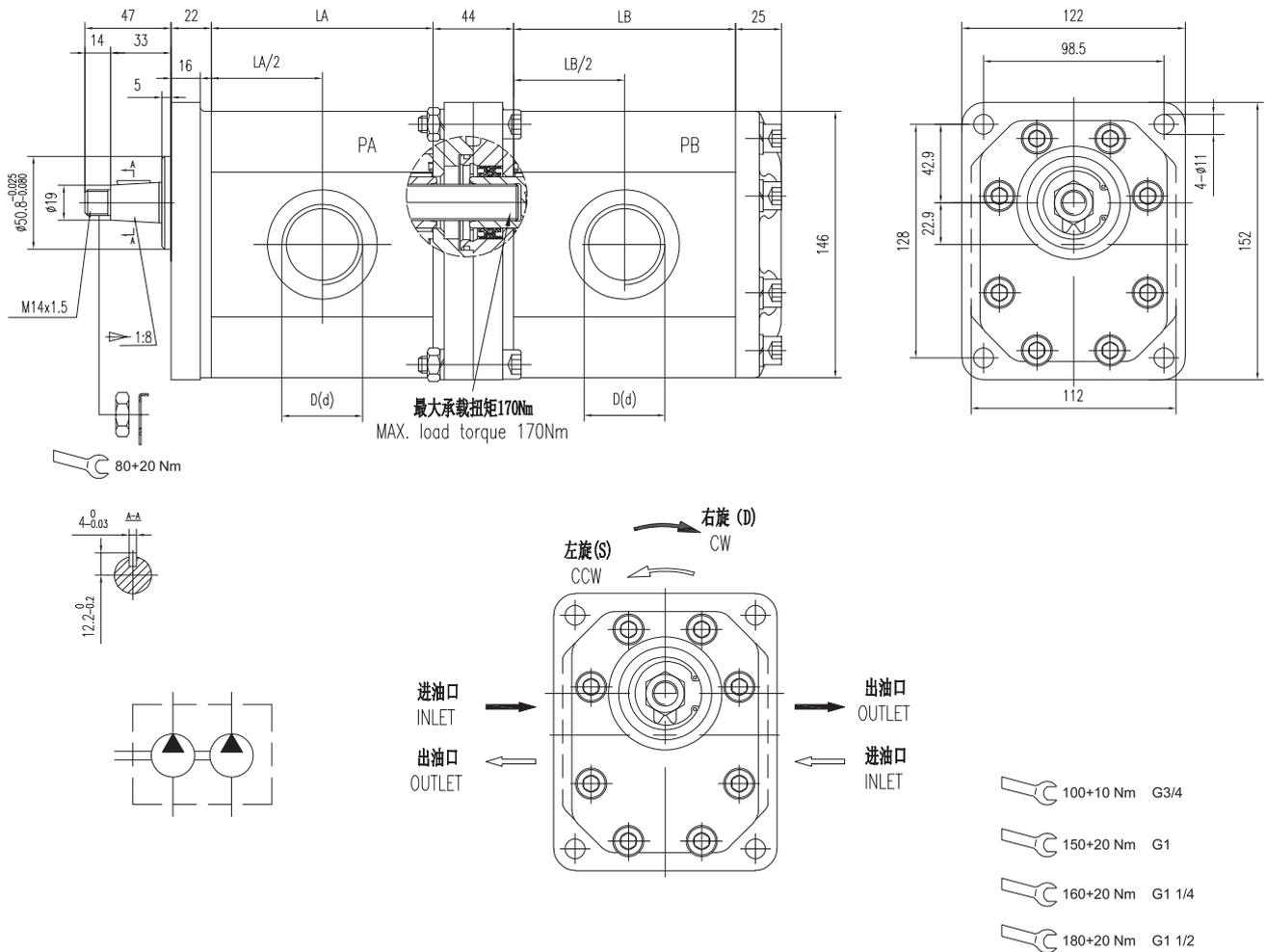
3/3系列标准型产品概览/Group 3/3 Standard Product Overview

型式 type		型式 type	
页码 page	232	页码 page	233

3/3系列/Group 3/3

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

BHP3/3-B1-D-20/20-T0-L0/L0-E

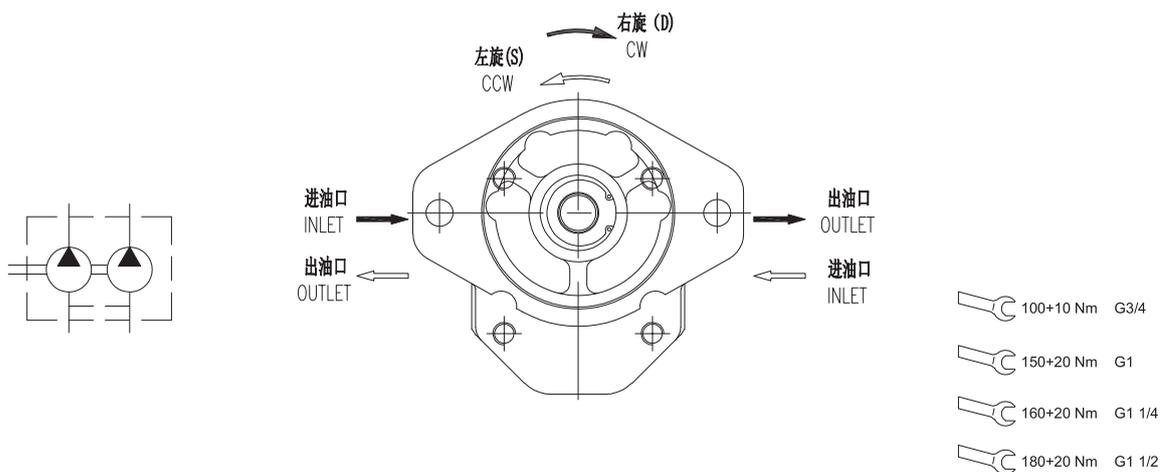
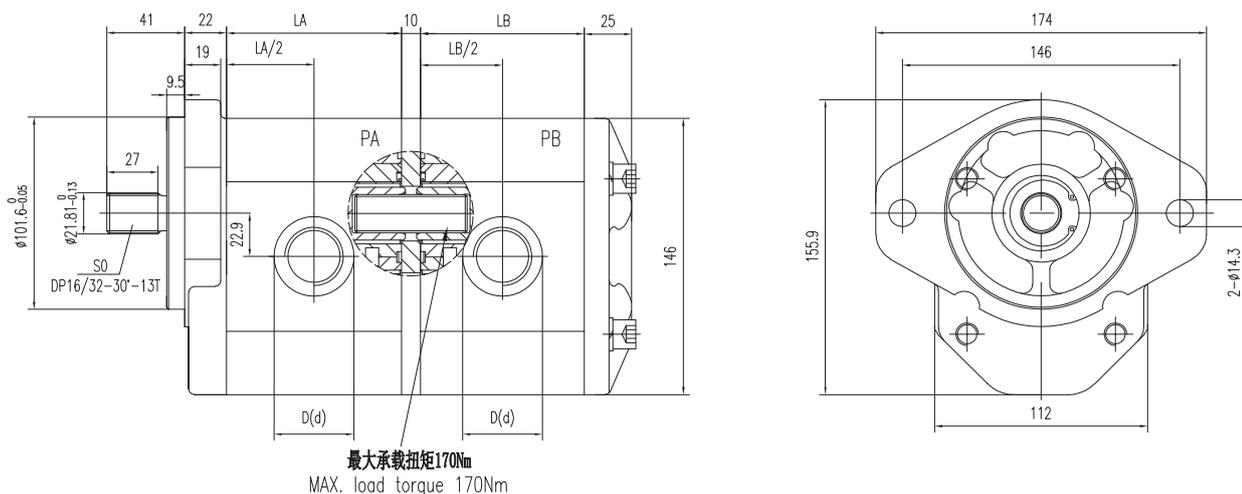


排量 Displacement		最大压力 Max pressure		最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 In Let	出油口 Out Let	油口代码 Oil port code	进油口 INLET	出油口 OUTLET	
PA	PB	PA	PB	(r/min)	(r/min)	LA	LB	PA	D	d	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar			mm	mm							
20	20	250	250	2500	600	81.1	81.1	L0	G3/4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

BHP3/3-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	进油口	出油口	油口代码	进油口	出油口	
PA	PB	PA	PB			LA	LB	PA	In Let	Out Let	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm		D	d	PB	D	d	
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	G3/4
26	26	250	250			86.1	86.1	L1	G1	G3/4	L1	G1	G3/4	G3/4
33	33	230	230			92.1	92.1	L1	G1	G3/4	L1	G1	G3/4	G3/4
39	39	230	230			99.1	99.1	L1	G1	G3/4	L1	G1	G3/4	G3/4
46	46	230	230			105.1	105.1	L2	G1 1/4	G1	L2	G1 1/4	G1	G1
50	50	220	220			109.1	109.1	L2	G1 1/4	G1	L2	G1 1/4	G1	G1
52	52	220	220			111.1	111.1	L2	G1 1/4	G1	L2	G1 1/4	G1	G1
55	55	200	200			113.1	113.1	L2	G1 1/4	G1	L2	G1 1/4	G1	G1
63	63	200	200			121.1	121.1	L2	G1 1/4	G1	L2	G1 1/4	G1	G1
71	71	180	180			128.1	128.1	L3	G1 1/2	G1 1/4	L3	G1 1/2	G1 1/4	G1 1/4

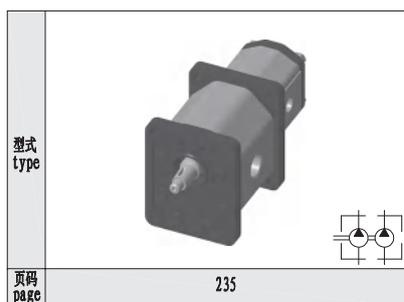
3/2系列/Group 3/2

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

B	H	P	3/2	B1	D	20/3	T0	L0/L0	E	省略/omit	省略/omit
博顿 Boden	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	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 63 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.											

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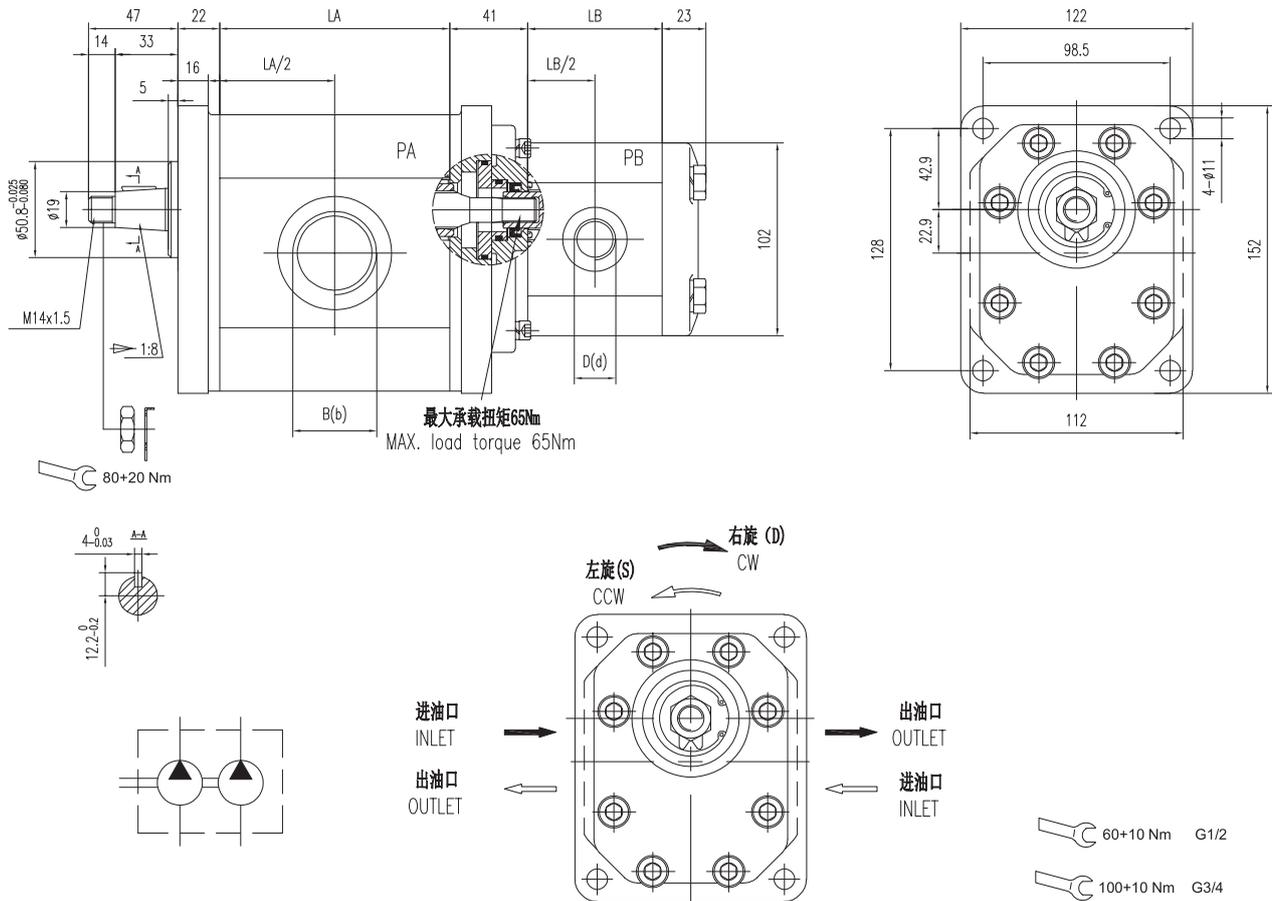
3/2系列标准型产品概览/Group 3/2 Standard Product Overview



3/2系列/Group 3/2

3/2系列标准型产品尺寸/Group 3/2 Standard Product Dimensions

BHP3/2-B1-**D**-20/3-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			LA	LB	PA	B	b	PB	D	d		
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm								
20	3	250	285	2500	600	81.1	49.1	L0	G3/4	G3/4	L0	G1/2	G1/2		
22	4	250	285			83.1	50.7	L0	G3/4	G3/4	L0	G1/2	G1/2	G1/2	
26	6	250	285			86.1	54	L1	G1	G3/4	L0	G1/2	G1/2	G1/2	
33	8	230	285			92.1	57.3	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
39	10	230	285			99.1	60.6	L1	G1	G3/4	L1	G3/4	G1/2	G1/2	
46	12	230	285			105.1	63.9	L2	G1 1/4	G1	L1	G3/4	G1/2	G1/2	
50	14	220	265			109.1	67.3	L2	G1 1/4	G1	L1	G3/4	G1/2	G1/2	
52	16	220	265			111.1	70.7	L2	G1 1/4	G1	L1	G3/4	G1/2	G1/2	
55	18	200	265			113.1	74	L2	G1 1/4	G1	L1	G3/4	G1/2	G1/2	
63	20	200	235			121.1	77.3	L2	G1 1/4	G1	L1	G3/4	G1/2	G1/2	
71	22	180	235			128.1	80.6	L3	G1 1/2	G1 1/4	L1	G3/4	G1/2	G1/2	
	25		215						85.6			L1	G3/4	G1/2	G1/2
	28		190						90.6			L1	G3/4	G1/2	G1/2
	30		170						93.9			L1	G3/4	G1/2	G1/2

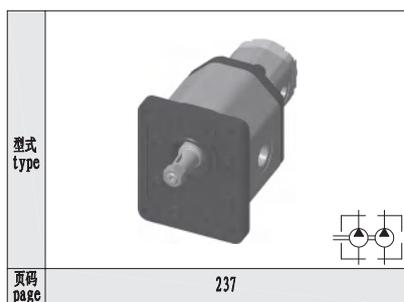
3/1系列/Group 3/1

3/1系列选型规则/Group 3/1 Ordering Code Rules

B	H	P	3/1	B1	D	20/0.8	T0	L0/L0	E	省略/omit	省略/omit
博顿 Boden	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	3/1 3系列 Group 3 + 1系列 Group 1	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 0.8 22 1.1 26 1.3 33 1.6 39 1.8 46 2.1 50 2.7 52 3.2 55 3.7 63 4.2 71 4.8 5.8 7.0 8.0	见3系列目录 Ref. Group 3 catalogue	PA 见3系列目录 Ref. Group 3 catalogue PB 见1系列目录 Ref. Group 1 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.

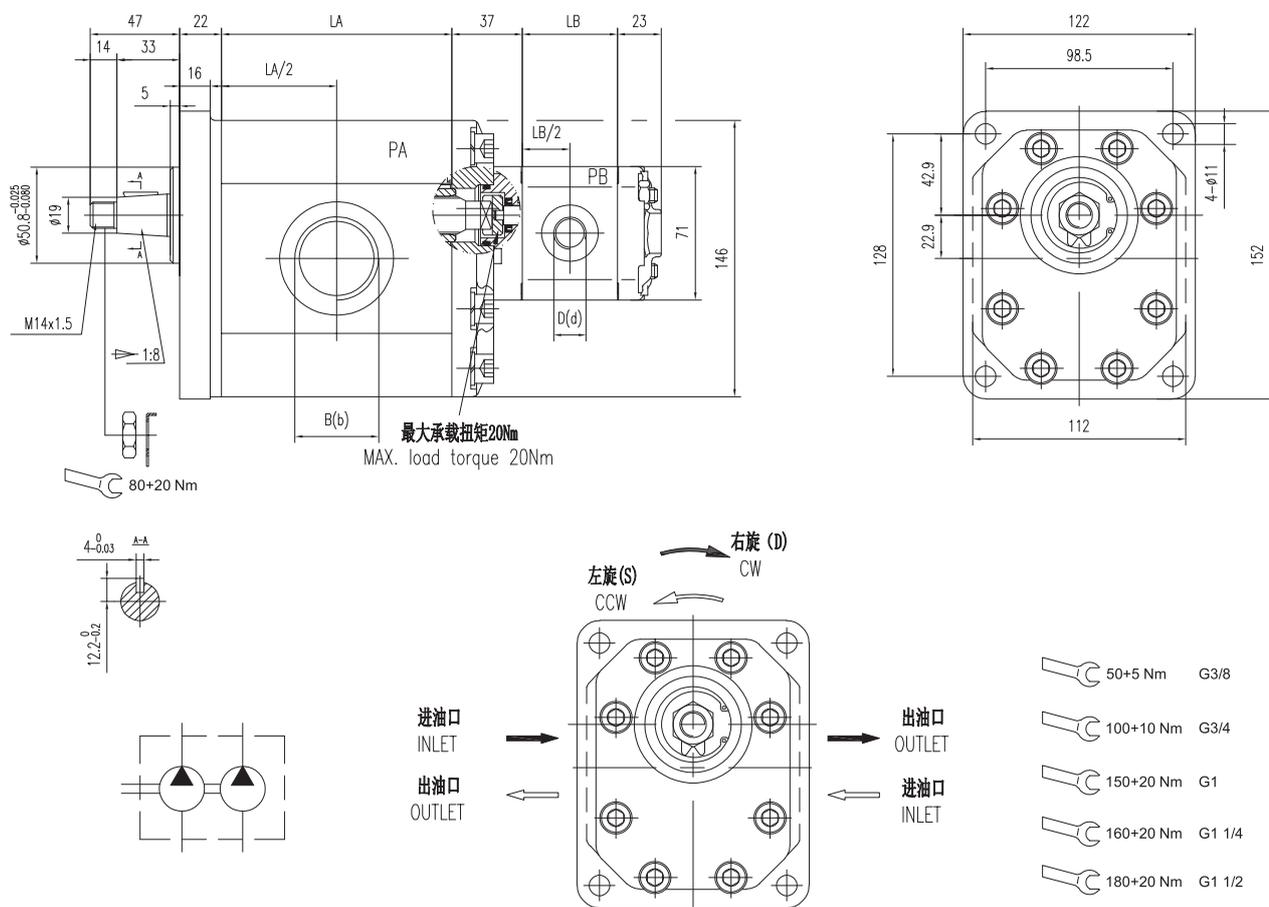
3/1系列标准型产品概览/Group 3/1 Standard Product Overview



3/1系列/Group 3/1

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

BHP3/1-B1-D-20/0.8-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			LA	LB	PA	B	b	PB	D	d	
(cm ³ /rev)	(cm ³ /rev)	bar	bar	(r/min)	(r/min)	mm	mm							
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	G3/8
26	1.3	250	230			86.1	37.1	L1	G1	G3/4	L3	G3/8	G3/8	G3/8
33	1.6	230	230			92.1	38.1	L1	G1	G3/4	L3	G3/8	G3/8	G3/8
39	1.8	230	230			99.1	39.1	L1	G1	G3/4	L3	G3/8	G3/8	G3/8
46	2.1	230	230			105.1	40.1	L2	G1 1/4	G1	L3	G3/8	G3/8	G3/8
50	2.7	220	230			109.1	42.1	L2	G1 1/4	G1	L3	G3/8	G3/8	G3/8
52	3.2	220	210			111.1	44.1	L2	G1 1/4	G1	L3	G3/8	G3/8	G3/8
55	3.7	200	210			113.1	46.1	L2	G1 1/4	G1	L3	G3/8	G3/8	G3/8
63	4.2	200	210			121.1	48.1	L2	G1 1/4	G1	L3	G3/8	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	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

3A/2.6A系列/Group 3A/2.6A

3A/2.6A系列选型规则/Group 3A/2.6A Ordering Code Rules

B	H	P	3A/2.6A	B1	D	32/10	H0	F47/F29	省略/omit	省略/omit	省略/omit
博顿 Boden	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、后盖 材料为铸铁 Front and end cover material cast iron	P 泵 Pump	3A / 2.6A 3A系列 Group 3A + 2.6A系列 Group 2.6A	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 32/10 32/16 32/20 40/16 40/20 40/25 46/10 50/10 50/16 50/20 50/25 63/10 63/20	见3系列目录 Ref. Group 3 catalogue	PA 见3系列目录 Ref. Group 3 catalogue PB 见2.6系列目录 Ref. Group 2.6 catalogue			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.

3A/2.6A系列标准型产品概览/Group 3A/2.6A Standard Product Overview

型式 type	
页码 page	239

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

B	A	F	1.25	省略/omit	R	1.4	P2	L0/L0	省略/omit	省略/omit	省略/omit
博顿 Boden	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... 1.4 2.1 2.8 3.5 4.1 5.2 6.2 7.6 9.3 11.0 13.8	多联数目 Section number	见1.25系列目录 Ref. Group 1.25 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.											

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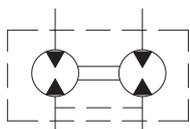
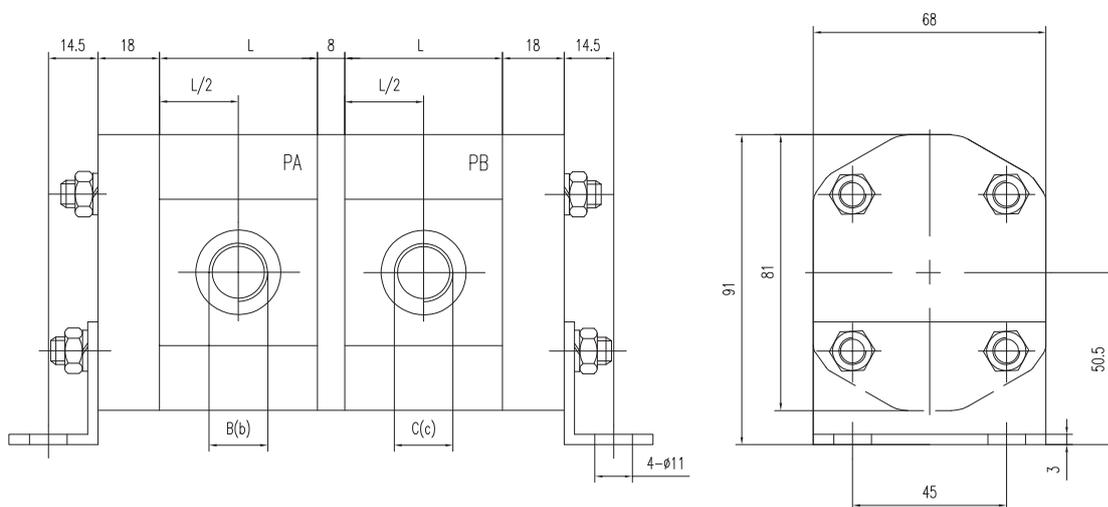
1.25系列同步马达标准型产品概览/Group 1.25 Flow divider Standard Product Overview

型式 type	
页码 page	241

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

BAF1.25-R- **1.4** - **P2** - **L1/L1**



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

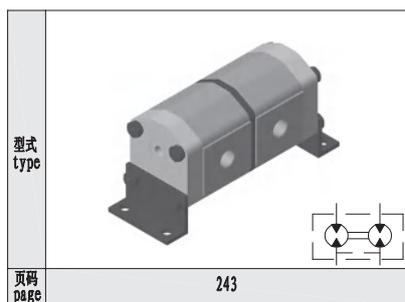
2系列同步马达/Group 2 Flow divider

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

B	A	F	2	省略/omit	R	3	P2	L0/L0	省略/omit	省略/omit	省略/omit
博顿 Boden	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.

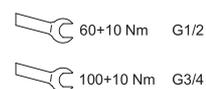
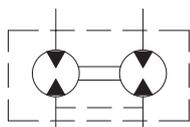
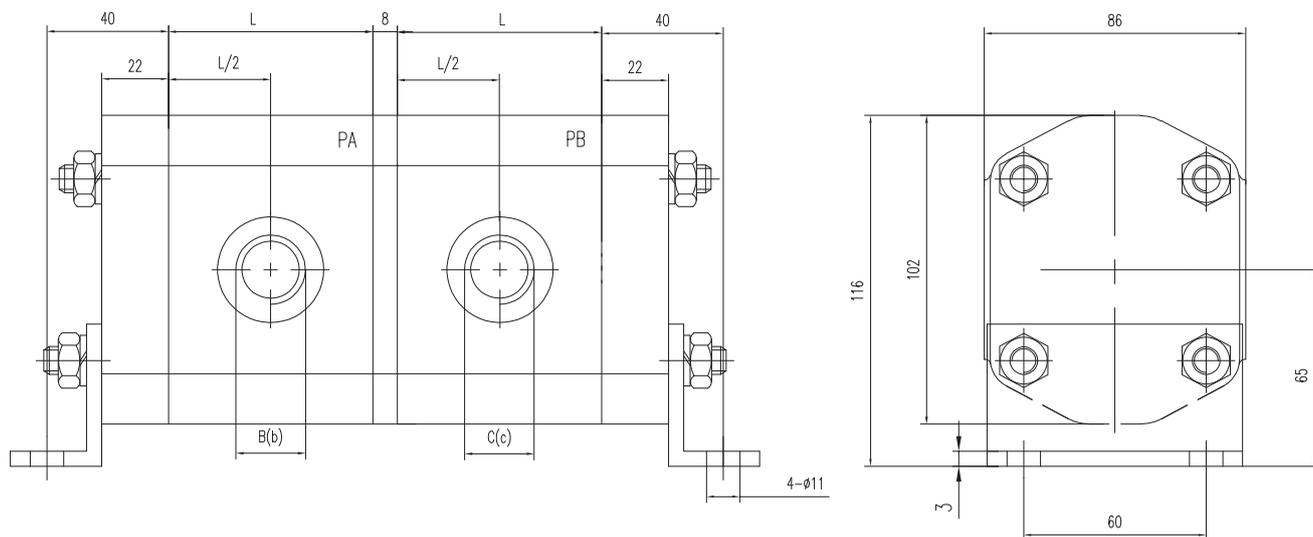
2系列同步马达标准型产品概览/Group 2 Flow divider Standard Product Overview



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

BAF2-R- **3** - **P2** - **L0/L0**



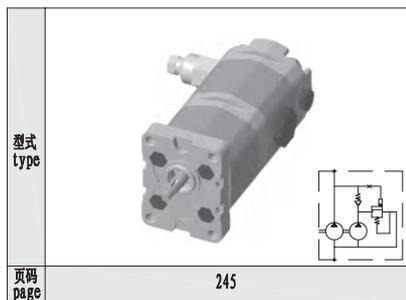
排量 Displacement PA/PB... (cm ³ /rev)	最大压力 Max pressure Pmax bar	最高转速 Max. speed (r/min)	最低转速 Min. speed (r/min)	尺寸 Dimensions L mm	油口代码 Oil port code PA	进油口 In Let B	出油口 Out Let b	油口代码 Oil port code PB	进油口 INLET C	出油口 OUTLET c
3	250	2500	600	49.1	L0	G1/2	G1/2	L0	G1/2	G1/2
4	250			50.7	L0	G1/2	G1/2	L0	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

B	K	P	1G/1G	B0	D	0.8/3.7	T0	L2	省略/omit	省略/omit	P040
博顿 boden	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	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℃, 溢油口最高绝对压力为3bar.											
Omit-Range between -10°C and +80°C, inlet pressure up to max. 3 bar absolute.											
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°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 适用于溢油口最大绝对压力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



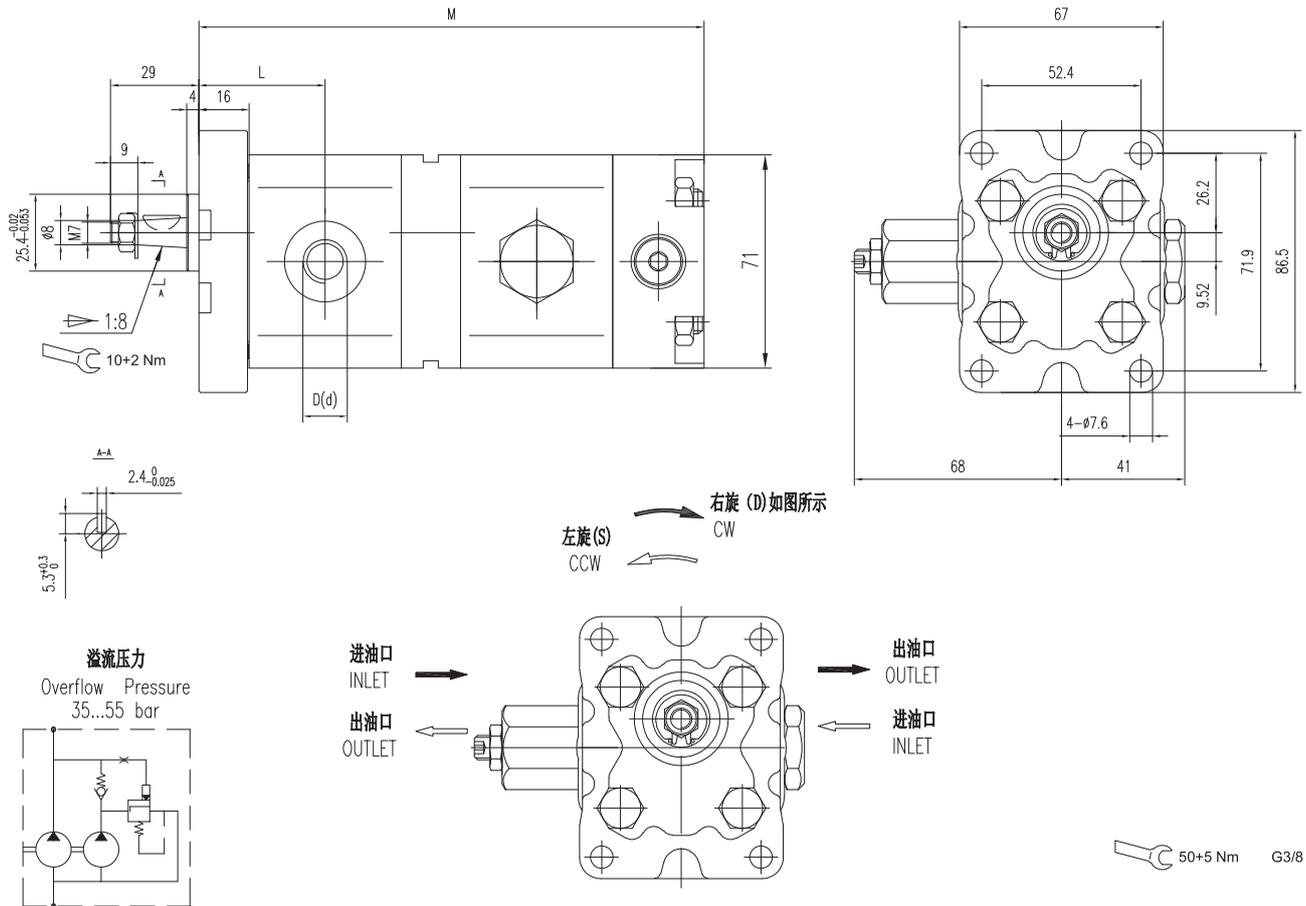
1G/1G 高低压泵排量参数表 / 1G/1G High-Low Pump Displacement Parameter Table

排量 Displacement	V	cm ³ /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	cm ³ /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

BKP1G/1G-B0-D-0.8/3.7-T0-L3-P040



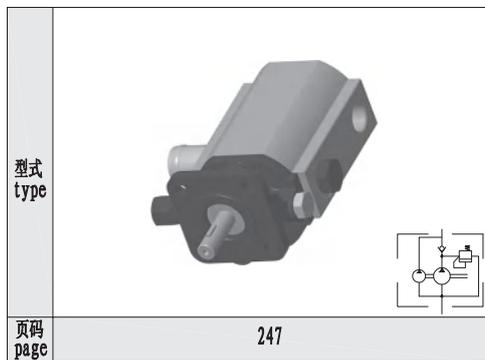
排量 Displacement		最大压力 Max pressure			溢流压力 Overflow pressure	最高转速 Max. speed	最低转速 Min. speed	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
High	Low	P1	P2	P3	P	(r/min)	(r/min)	L	M		D	d
cm ³ /rev	cm ³ /rev	bar	bar	bar	bar			mm	mm			
0.8	3.7	210	230	250	40...45	3500	1000	33.8	146.7	L3	G3/8	G3/8
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

B	H	P	1.3G/1.3G	Q0	D	2.1/1.0	C0	PJ0/RC1	YF3	省略/omit	P040
博顿 boden	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 顺时针转 Clockwise S 逆时针转 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℃, 溢流口最高绝对压力为5bar. Omit-Range between -10℃ and +80℃ inlet pressure up to max. 3 bar absolute.											
V 适用于高温介质, 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 适用于溢流口最大绝对压力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



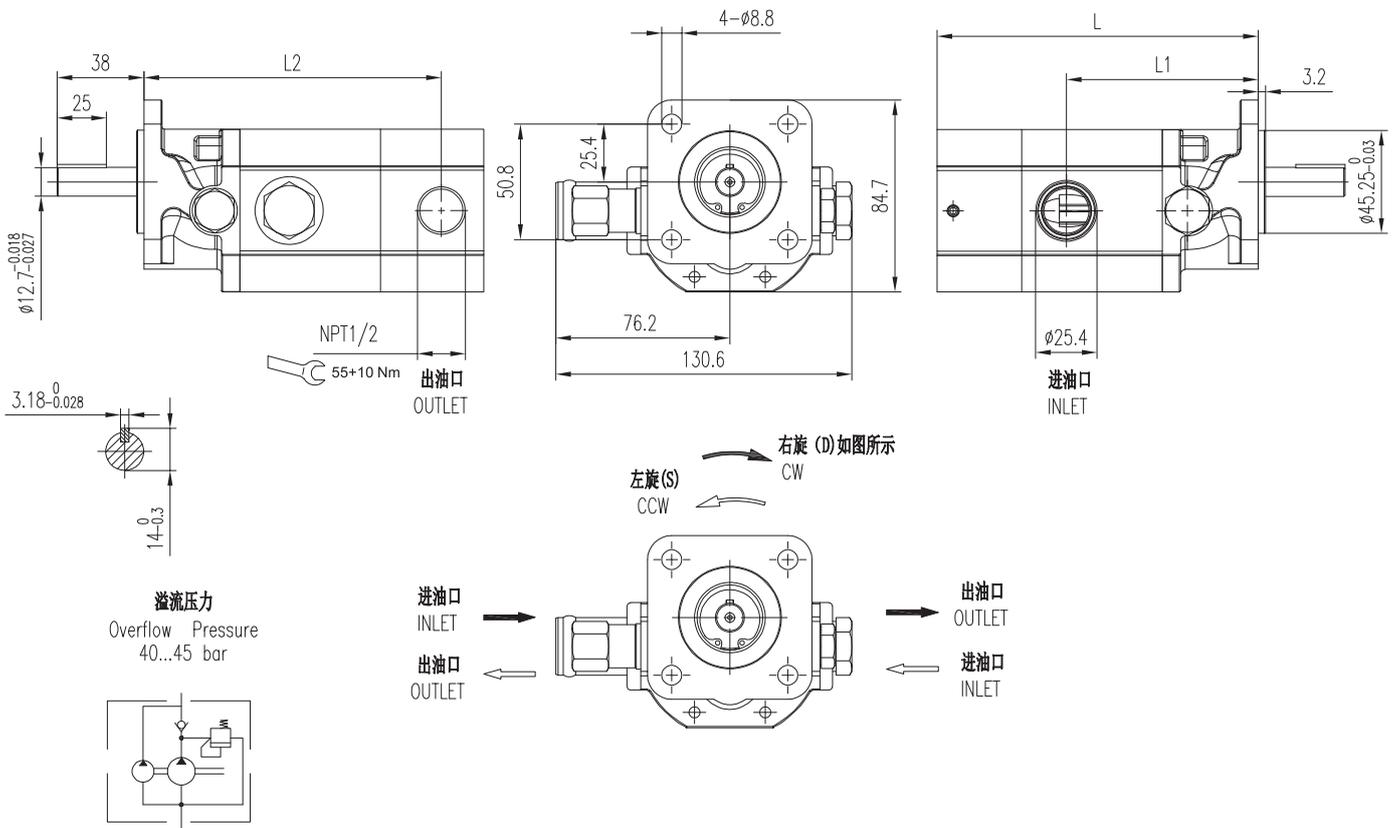
1.3G/1.3G 高低压泵排量参数表 / 1.3G/1.3G High-Low Pump Displacement Parameter Table

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}		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

BHP1.3G/1.3G-Q0-D-2.1/1.0-C0-PJ0/NC2-P040



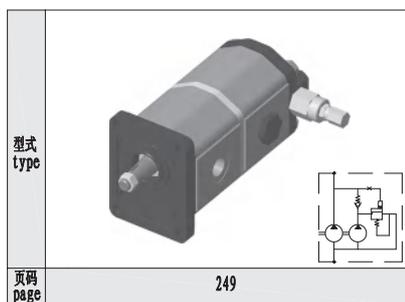
排量 Displacement		最大压力 Max pressure			溢流压力 Overflow pressure P	最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code		进油口 INLET	出油口 OUTLET
Low	High	P1	P2	P3					L	L1	L2	D	d	D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm			mm	
2.1	1.0	210	230	250	40...45	3600	500	1.45	157.8	64.2	100.2	PJ0	NC2	ø25.4	NPT1/2
4.2	1.0	210	230	250		3600	500	1.6	157.8	64.2	100.2	PJ0	NC2	ø25.4	NPT1/2
4.2	1.6	210	230	250		3600	500	1.68	159.8	64.2	102.2	PJ0	NC2	ø25.4	PT1/2
6.3	2.1	210	230	250		3600	500	1.9	154.2	61.2	95.2	PJ0	NC2	ø25.4	NPT1/2
6.3	3.0	210	230	250		3600	500	1.98	157.8	61.2	95.2	PJ0	NC2	ø25.4	NPT1/2
6.3	3.6	210	230	250		3600	500	2	159.5	61.2	99.2	PJ0	NC2	ø25.4	NPT1/2
8.8	1.6	210	230	250		3600	500	2.1	162	69.6	103.6	PJ0	NC2	ø25.4	NPT1/2
8.8	2.1	210	230	250		3600	500	2.15	162.7	69.6	103.6	PJ0	NC2	ø25.4	NPT1/2
8.8	3.6	210	230	250		3600	500	2.25	167.9	69.6	107.6	PJ0	NC2	ø25.4	NPT1/2
10.9	2.1	210	230	250		3600	500	2.4	170.2	77.1	111.1	PJ0	NC2	ø25.4	NPT1/2
10.9	3.6	210	230	250		3600	500	2.5	175.4	77.1	115.1	PJ0	NC2	ø25.4	NPT1/2
10.9	4.2	210	230	250		3600	500	2.55	177.7	77.1	115.1	PJ0	NC2	ø25.4	NPT1/2
13	3.2	210	230	250		3600	500	2.98	180.7	84.1	122.1	PJ0	NC2	ø25.4	NPT1/2
13	4.2	210	230	250		3600	500	3.04	184.7	84.1	122.1	PJ0	NC2	ø25.4	NPT1/2

2G/2G 高低压泵 / 2G/2G High-Low Pump

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

B	H	P	2G/2G	B0	D	3/18	T0	L1	省略/omit	省略/omit	P040
博顿 boden	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	
省略-温度范围在-10℃~+80℃, 溢油口最高绝对压力为3bar。 Omit-Range between -10°C and +80°C, inlet pressure up to max. 3 bar absolute.											
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°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 适用于溢油口最大绝对压力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



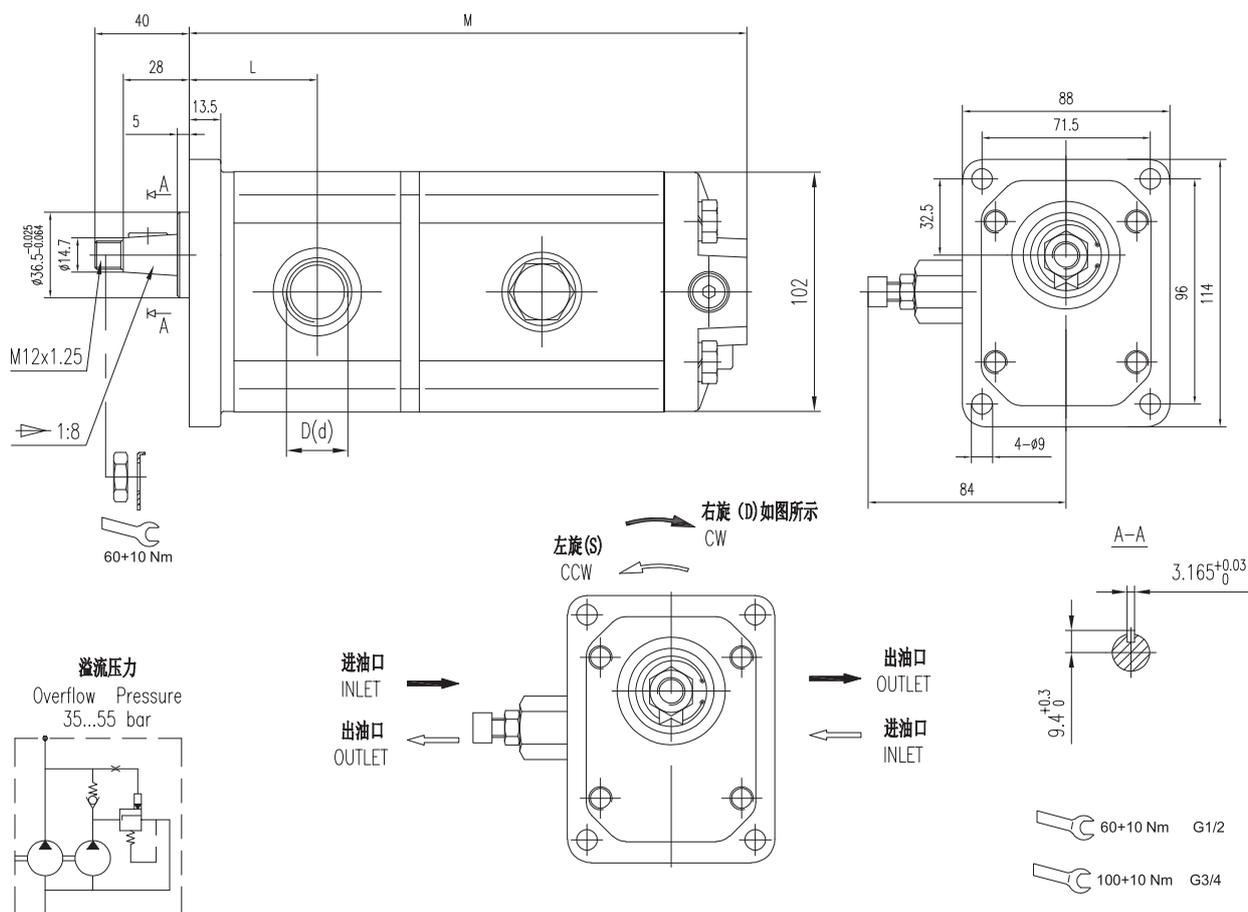
2G/2G 高低压泵排量参数表 / 2G/2G High-Low Pump Displacement Parameter Table

排量 Displacement	V	cm ³ /rev	3	3	4	4	6	6	8	8	10	10	12	12	14	14
排量 Displacement	V	cm ³ /rev	16	18	18	20	20	22	20	22	22	25	25	28	28	30
溢流压力 Overflow pressure	P	bar	35...75													
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	800													
最高转速 Max. speed	n _{Max}		2500													
容积效率 Volumetric efficiency	η _v	%	≥90													

2G/2G 高低压泵 / 2G/2G High-Low Pump

2G/2G 高低压泵标准型产品尺寸 / 2G/2G High-Low Pump Standard Product Dimensions

BHP2G/2G-B0-**D**-**3/18**-T0-**L1**-**P040**



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	Low	P1	P2	P3	P	(r/min)	(r/min)	L	M		D	d
(cm ³ /rev)	(cm ³ /rev)	bar	bar	bar	bar			mm	mm			
3	16	210	230	250	35...75	3500	1000	43.6	181.8	L1	G3/4	G1/2
3	18	210	230	250		3500	1000	43.6	185.1	L1	G3/4	G1/2
4	18	210	230	250		3500	1000	44.4	186.7	L1	G3/4	G1/2
4	20	210	230	250		3500	1000	44.4	190	L1	G3/4	G1/2
6	20	210	230	250		3500	1000	46	193.3	L1	G3/4	G1/2
6	22	210	230	250		3500	1000	46	196.6	L1	G3/4	G1/2
8	20	210	230	250		3500	1000	47.7	196.6	L1	G3/4	G1/2
8	22	210	230	250		3500	1000	47.7	199.9	L1	G3/4	G1/2
10	22	210	230	250		3500	1000	49.3	203.2	L1	G3/4	G1/2
10	25	210	230	250		3500	1000	49.3	208.2	L1	G3/4	G1/2
12	25	210	230	250		3500	1000	51	211.5	L1	G3/4	G1/2
12	28	210	230	250		3500	1000	51	216.5	L1	G3/4	G1/2
14	28	210	230	250		3500	1000	52.7	219.9	L1	G3/4	G1/2
14	30	210	230	250		3500	1000	52.7	223.2	L1	G3/4	G1/2



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