

# 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
材质 Material	功能 Function	系列 Group	前盖 Front cover	旋向 Rotation	排量 Displacement	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure	可选项 Options	其他 Other	
K 前、后盖 材料为铝合金 Front and end cover material aluminum	P 泵 Pump	0.5 0.5系列 Group 0.5		D 顺时针转 Clockwise	0.19						特殊设计 special designing
				S 逆时针转 Counter clockwise	0.26						
				R 可正反转 Reversible	0.38						
					0.50						
					0.65						
					0.75						
					0.88						
	1.00										
	1.25										
	1.50										
	1.75										
	2.00										

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°C and +80°C, inlet pressure up to max. 3 bar absolute.
H	适用于高温介质, 温度范围在-10℃~+120℃。 Version suitable for fluid at hi-temperatures, range between -10°C and +120°C.
N	适用于低温介质, 温度范围在-40℃~+80℃。 Version suitable for fluid at low-temperatures, range between -40°C and +80°C.
	适用于进油口最大绝对压力为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
<b>B0</b> 带油口方形前盖 (止口 $\phi 22\text{mm}$ ) Square front cover with oil port (centering $\phi 22\text{mm}$ ) 	<b>C0</b> 带螺纹、半圆键轴 Threaded, semi-circular key shaft 	<b>Z</b> 公制螺纹 (M) Metric thread 	省略-默认普通 omit-regular 
<b>B1</b> 不带油口方形前盖 (止口 $\phi 22\text{mm}$ ) Square front cover without oil port (centering $\phi 22\text{mm}$ ) 	<b>G0</b> 扁平轴 Tang shaft 	<b>L</b> 英制管螺纹 (G) Gas thread 	<b>J</b> 后盖带进油口 Back cover with inlet 
<b>B2</b> 带三口方形前盖 (止口 $\phi 22\text{mm}$ ) Square front cover with 3-oil port (centering $\phi 22\text{mm}$ ) 		<b>U</b> 美制管螺纹 (UNF-2B) UNF thread 	<b>C</b> 后盖带出油口 Back cover with outlet 
<b>A0</b> 带油口菱形前盖 (止口 $\phi 22\text{mm}$ ) Diamond front cover with oil port (centering $\phi 22\text{mm}$ ) 		<b>R</b> 英制锥螺纹 (PT) PT thread 	<b>L</b> 后盖带进出油口 Back cover with inlet and outlet 
<b>A1</b> 不带油口菱形前盖 (止口 $\phi 22\text{mm}$ ) Diamond front cover without oil port (centering $\phi 22\text{mm}$ ) 		<b>N</b> 美制锥螺纹 (NPT) NPT thread 	<b>VQ2</b> 双向泵后盖 Bidirectional pump back cover 
<b>X</b> 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

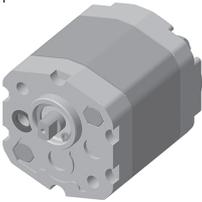
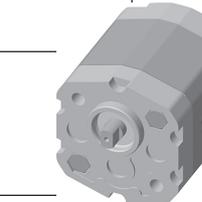
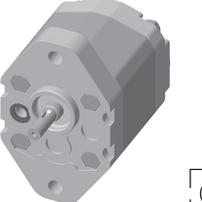
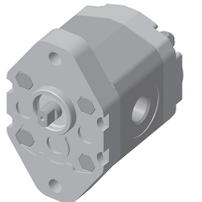
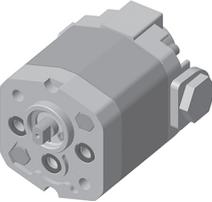
详见 15 页  
See page 15 for details

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

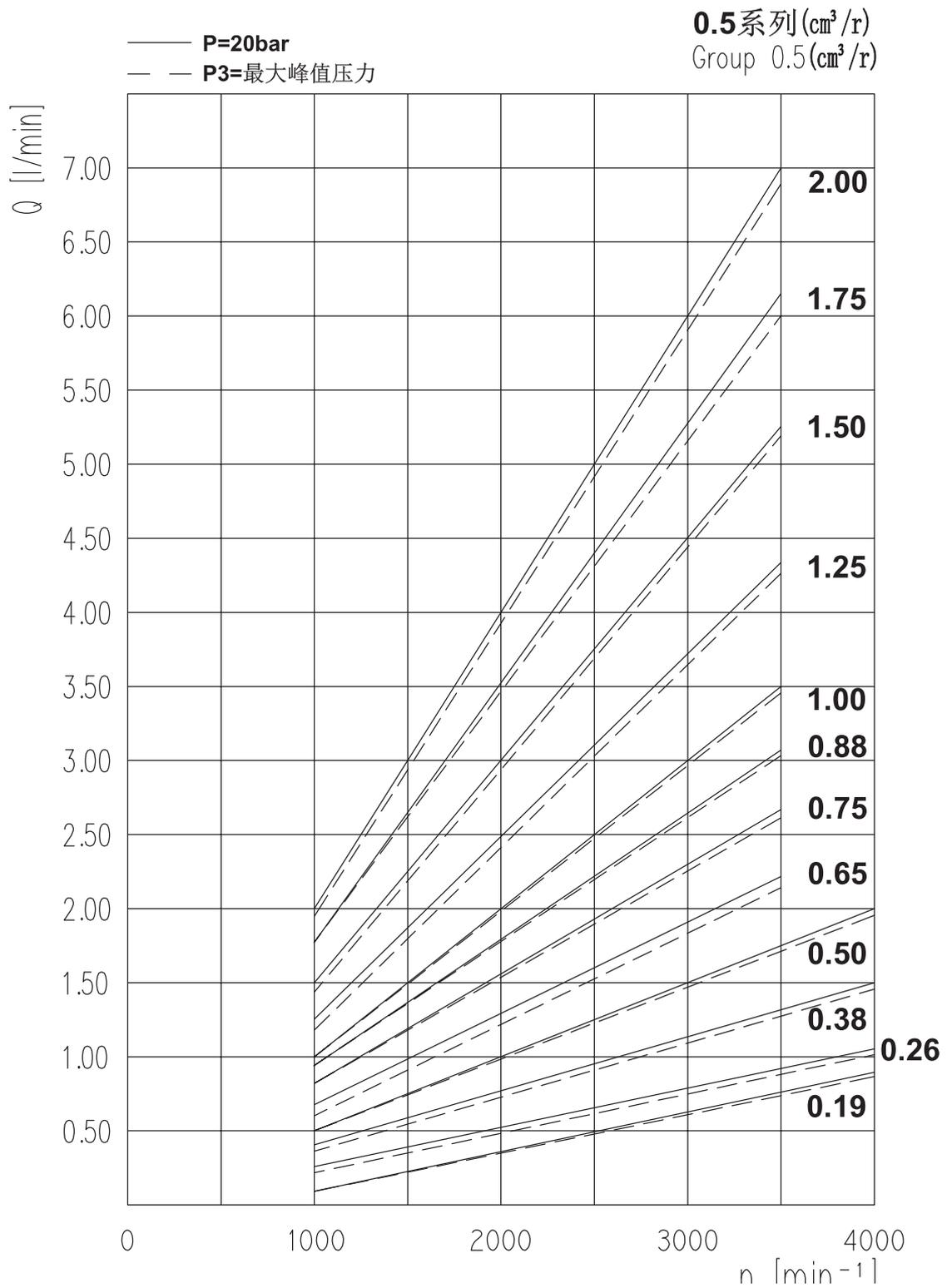
								X	LJ1	省略/omit	省略/omit
								泵体油口 P L	特殊结构 S i l l l	可选项 O l	其他 Otl
型式 type											
页码 page	17		18		19						
型式 type											
页码 page	20		21								

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

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

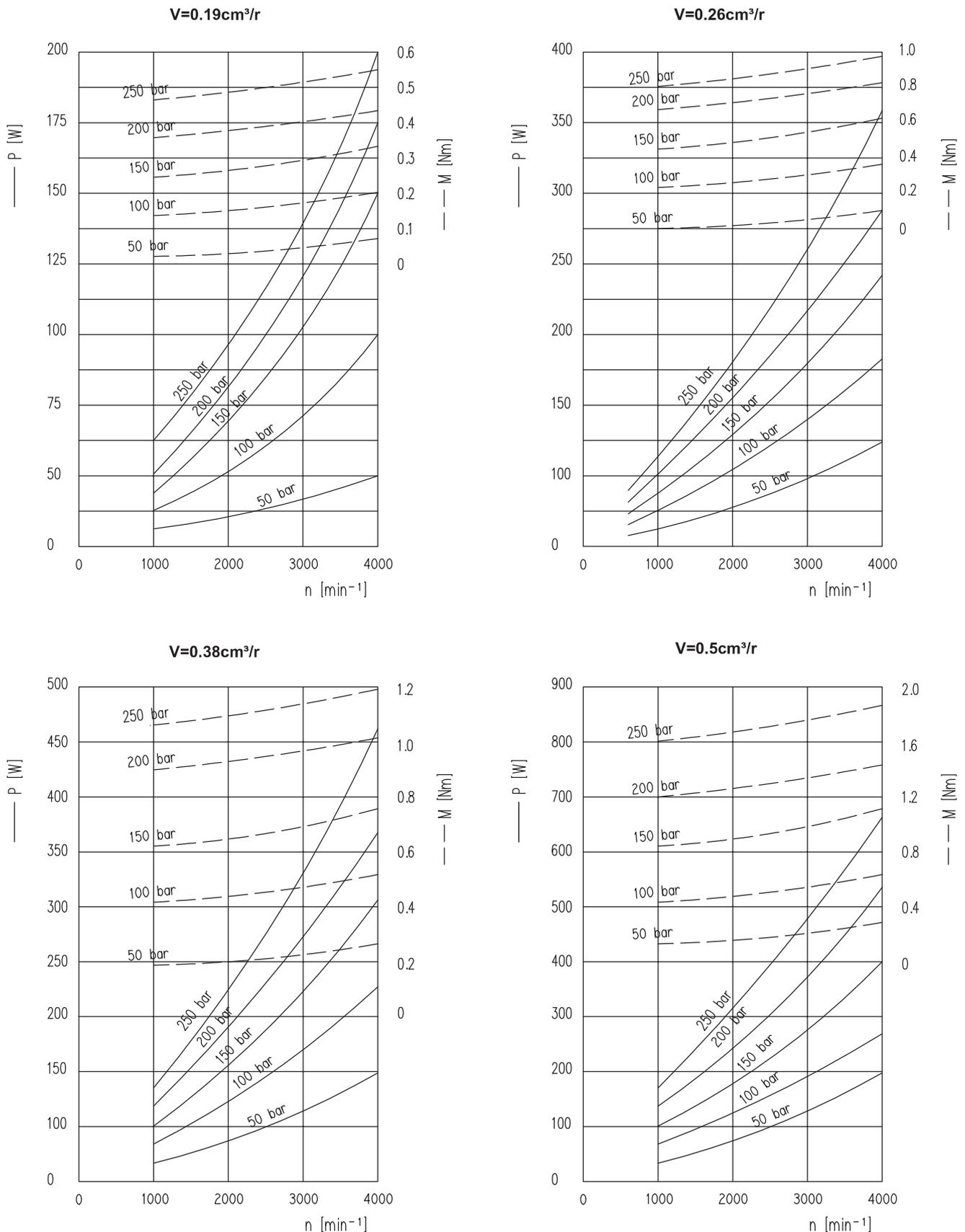
# 0.5系列/Group 0.5

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



# 0.5系列/Group 0.5

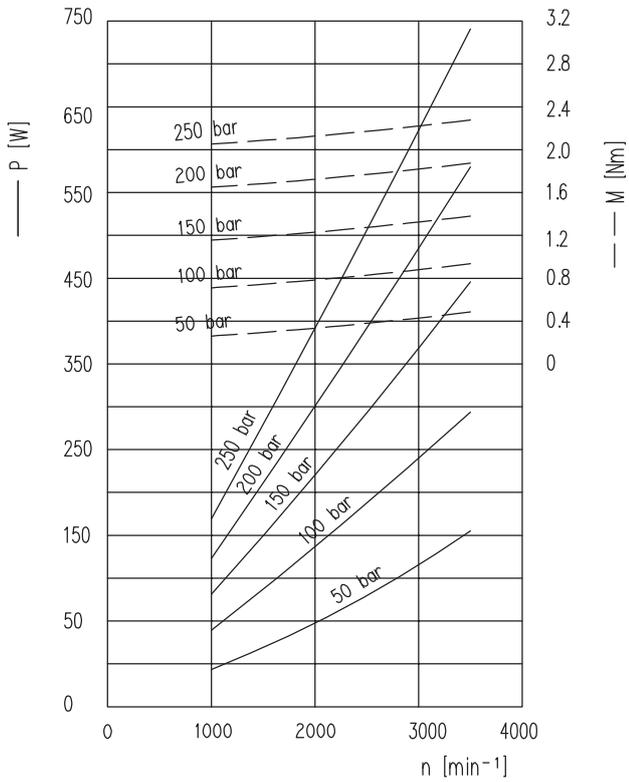
0.5系列功率性能曲线表/Group 0.5 Power Performance Curve Table



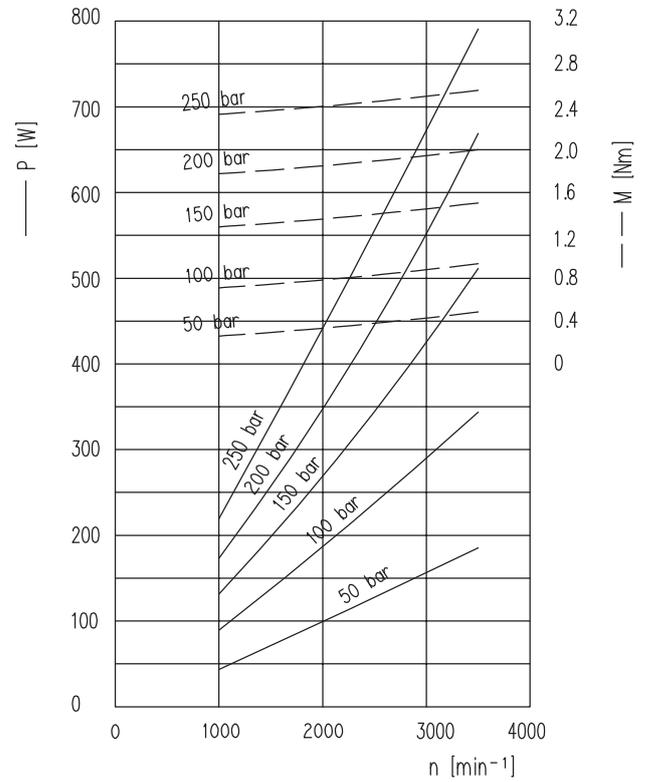
# 0.5系列/Group 0.5

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

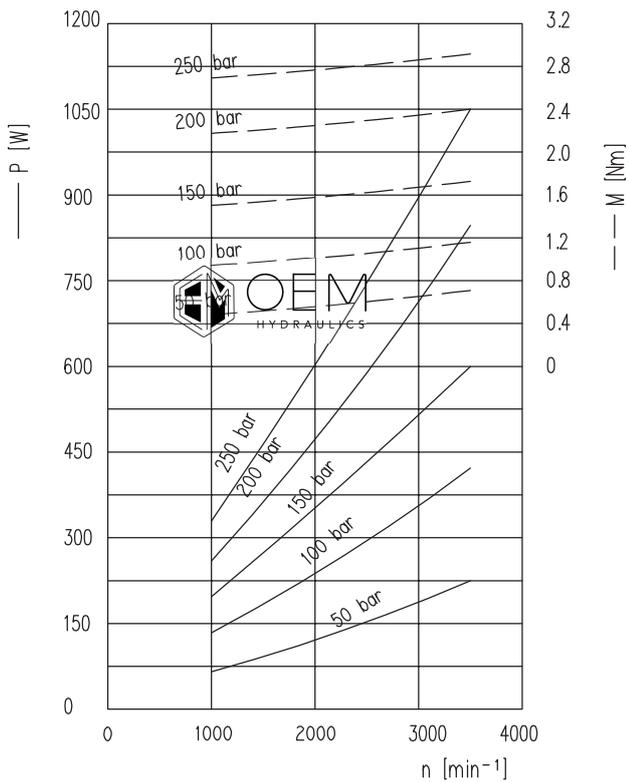
**V=0.65cm<sup>3</sup>/r**



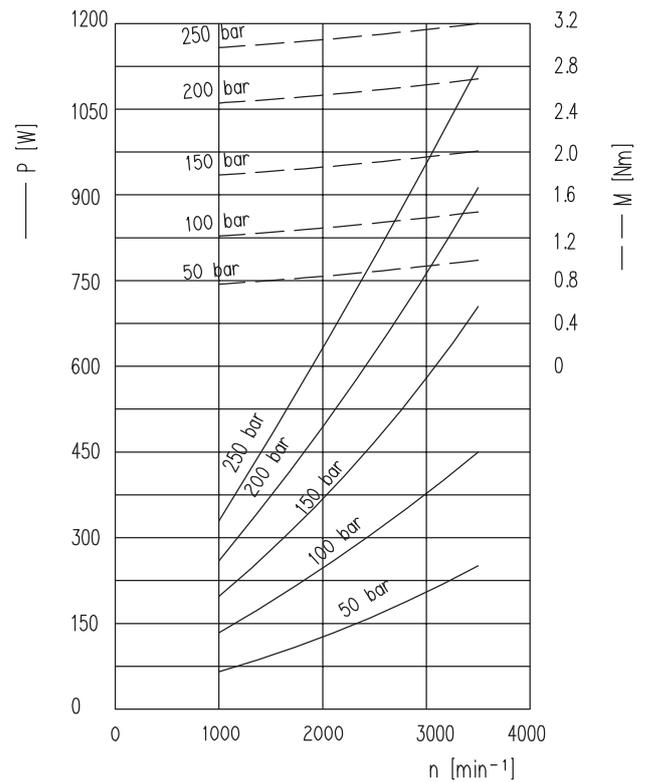
**V=0.75cm<sup>3</sup>/r**



**V=0.88cm<sup>3</sup>/r**

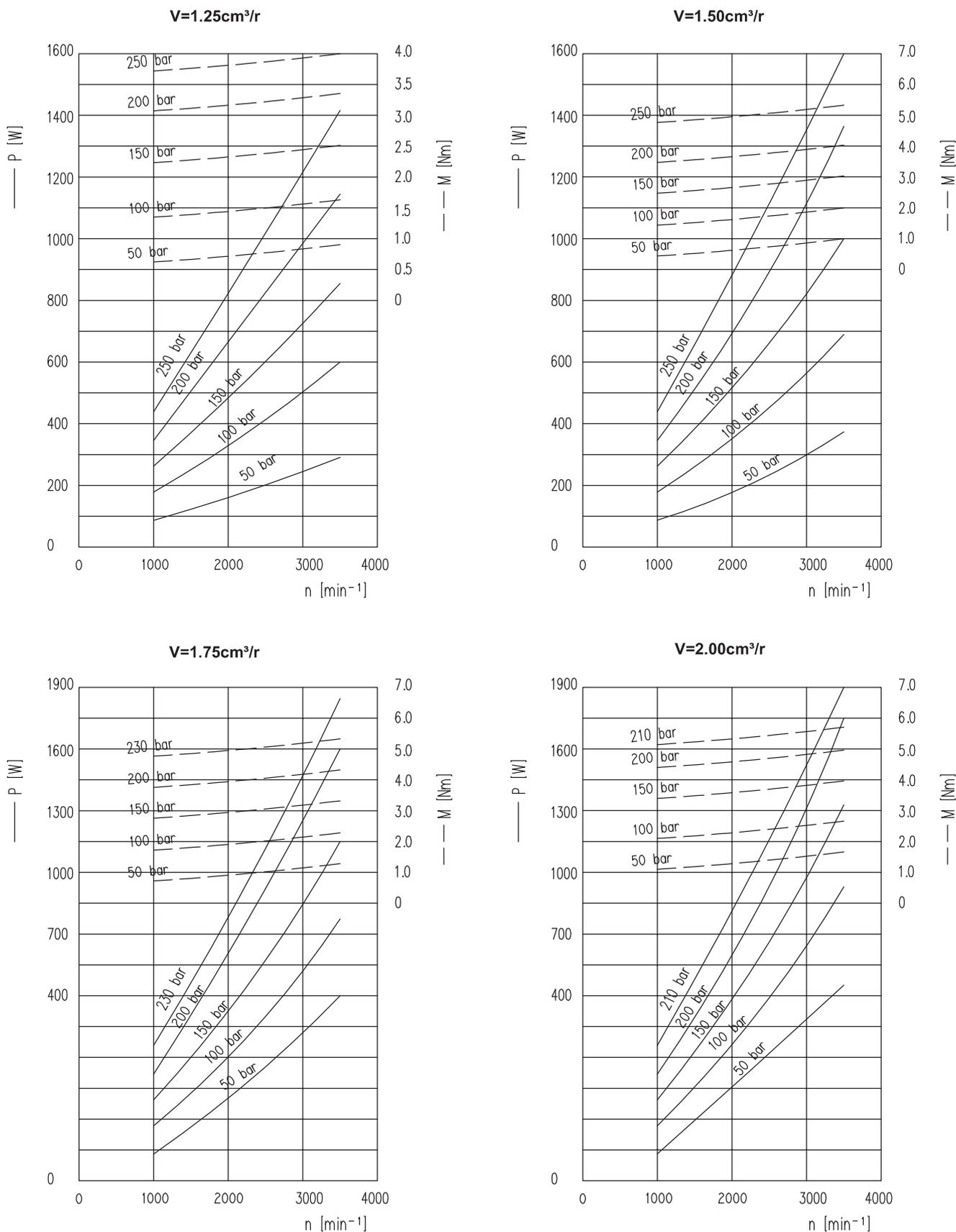


**V=1.00cm<sup>3</sup>/r**



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

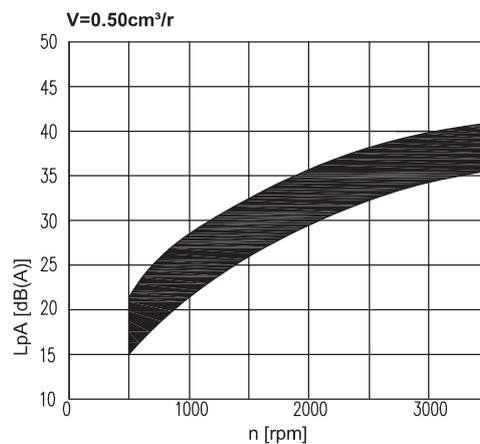
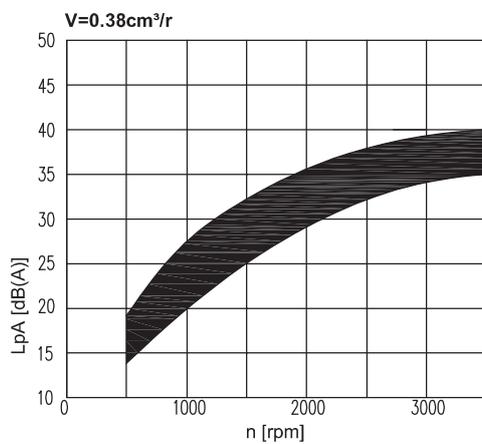
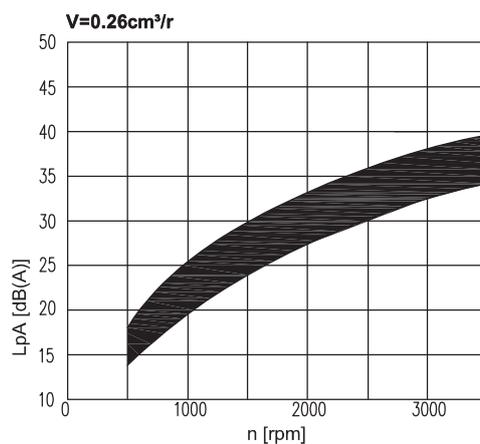
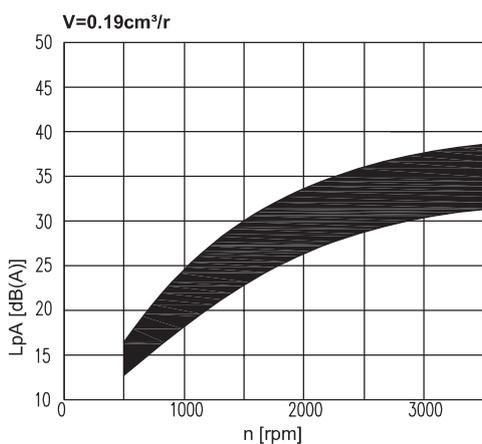
Oil data:  $V = 32 \text{ mm}^2/\text{s}$ ,  $\theta = 50^\circ\text{C}$ .

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.

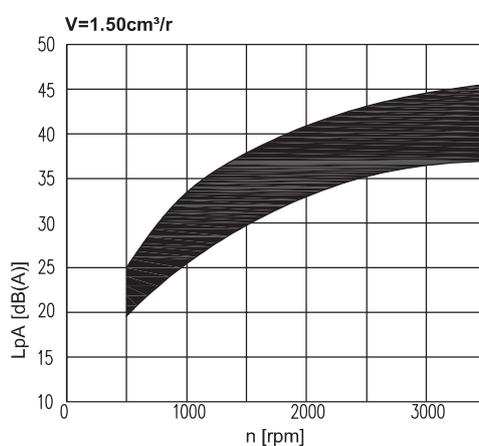
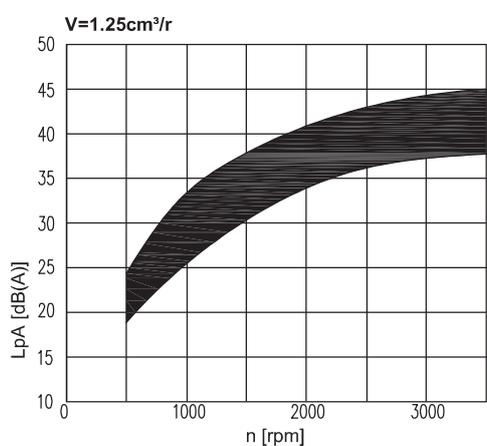
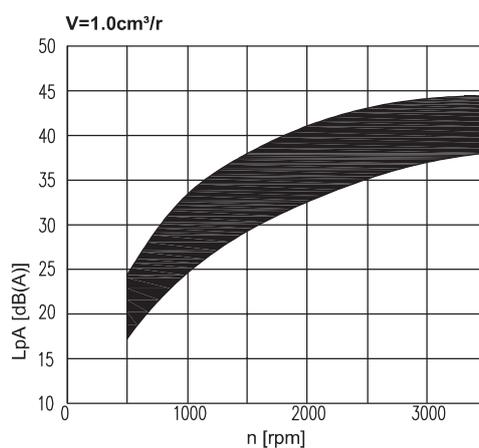
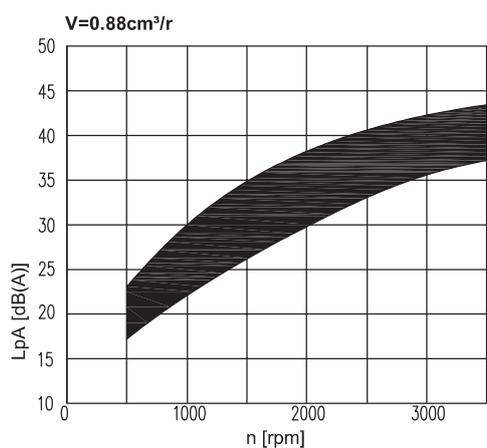
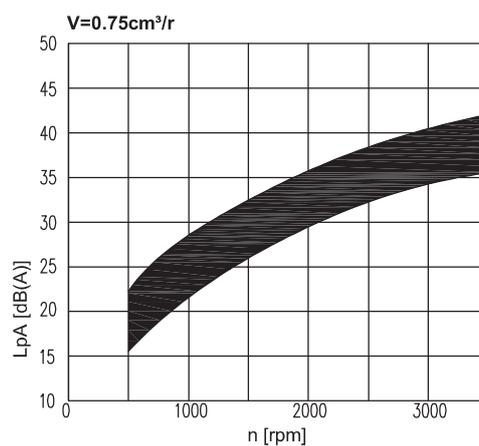
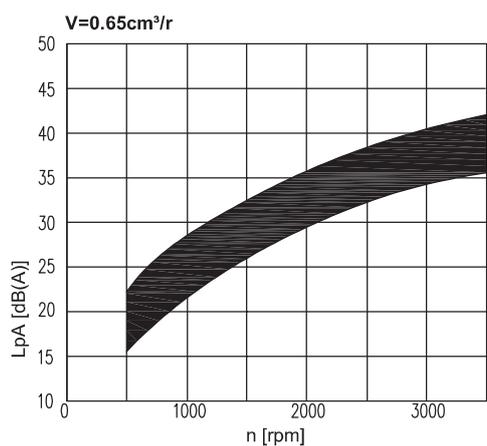
测量传感器与液压泵之间的距离：1 米。

Distance between measuring sensor and hydraulic pump: 1m.



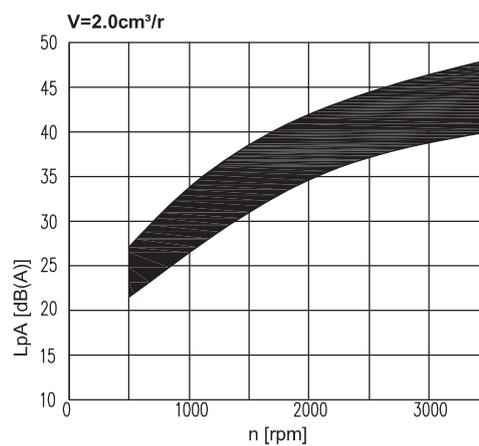
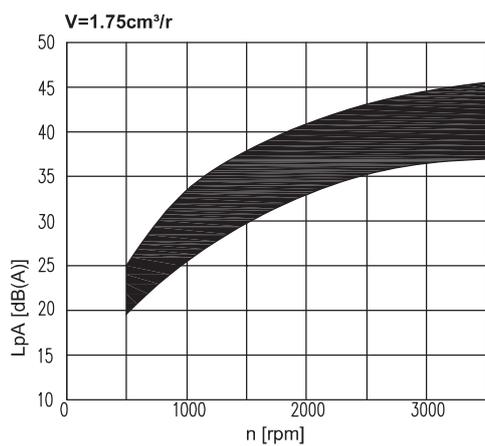
# 0.5系列/Group 0.5

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



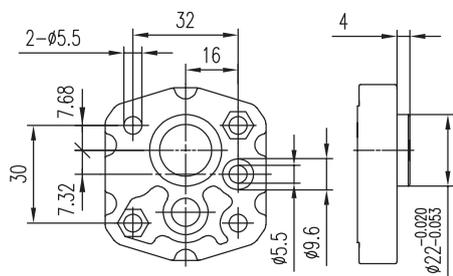
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0.5系列噪音曲线表/Group 0.5 Noise Curve Table

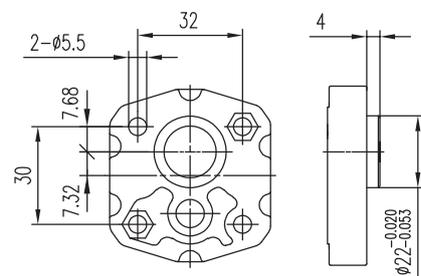


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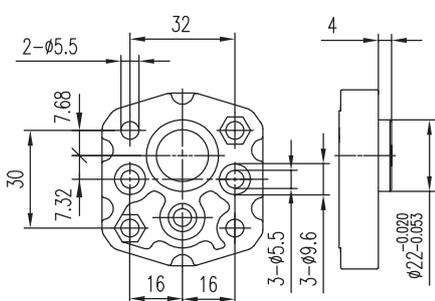
## 前盖/Front COVER



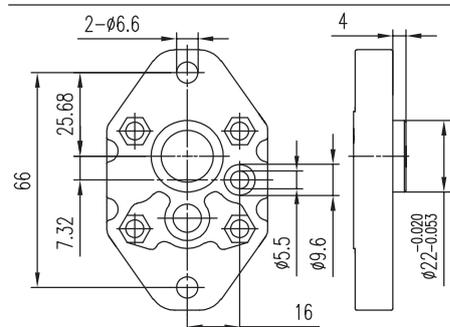
B0



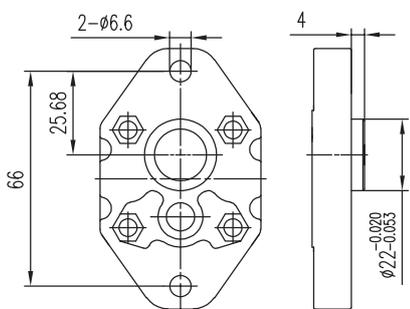
B1



B2

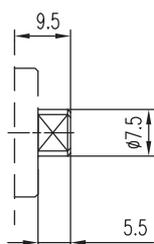


A0



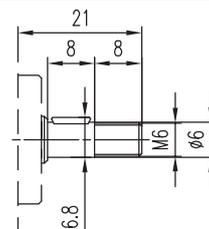
A1

## 轴伸/SHAFTS



G0

最大扭矩  
Max.Torque 10 Nm

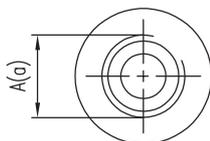


C0

最大扭矩  
Max.Torque 8 Nm

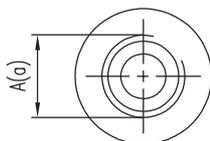
# 0.5系列/Group 0.5

## 泵体油口/PORTS



L2/L3

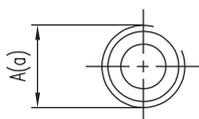
油口代号 PORTS CODE	排量 Displacement (cm <sup>3</sup> /rev)	进油口 INLET	出油口 OUTLET
		A	a
L2	0.19...1.0	G1/4	G1/4
L3	1.25...2.0	G3/8	G3/8



O型圈密封  
O-ring

U0

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

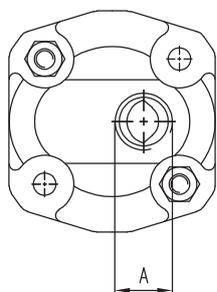


Z0/Z2

油口代号 PORTS CODE	排量 Displacement (cm <sup>3</sup> /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

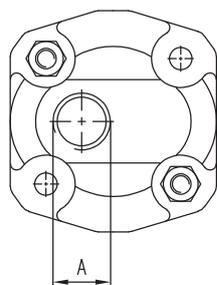
# 0.5系列/Group 0.5

## 特殊结构/SPECIAL STRUCTRE



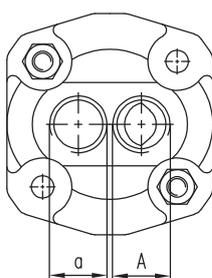
**\_J\_**

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



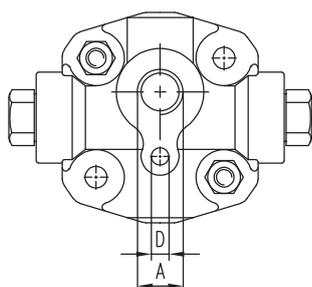
**\_C\_**

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	$\alpha$
L2	G1/4	G1/4
U0	9/16-18UNF	9/16-18UNF
Z0	M10X1	M10X1



**LJ0-VQ2**

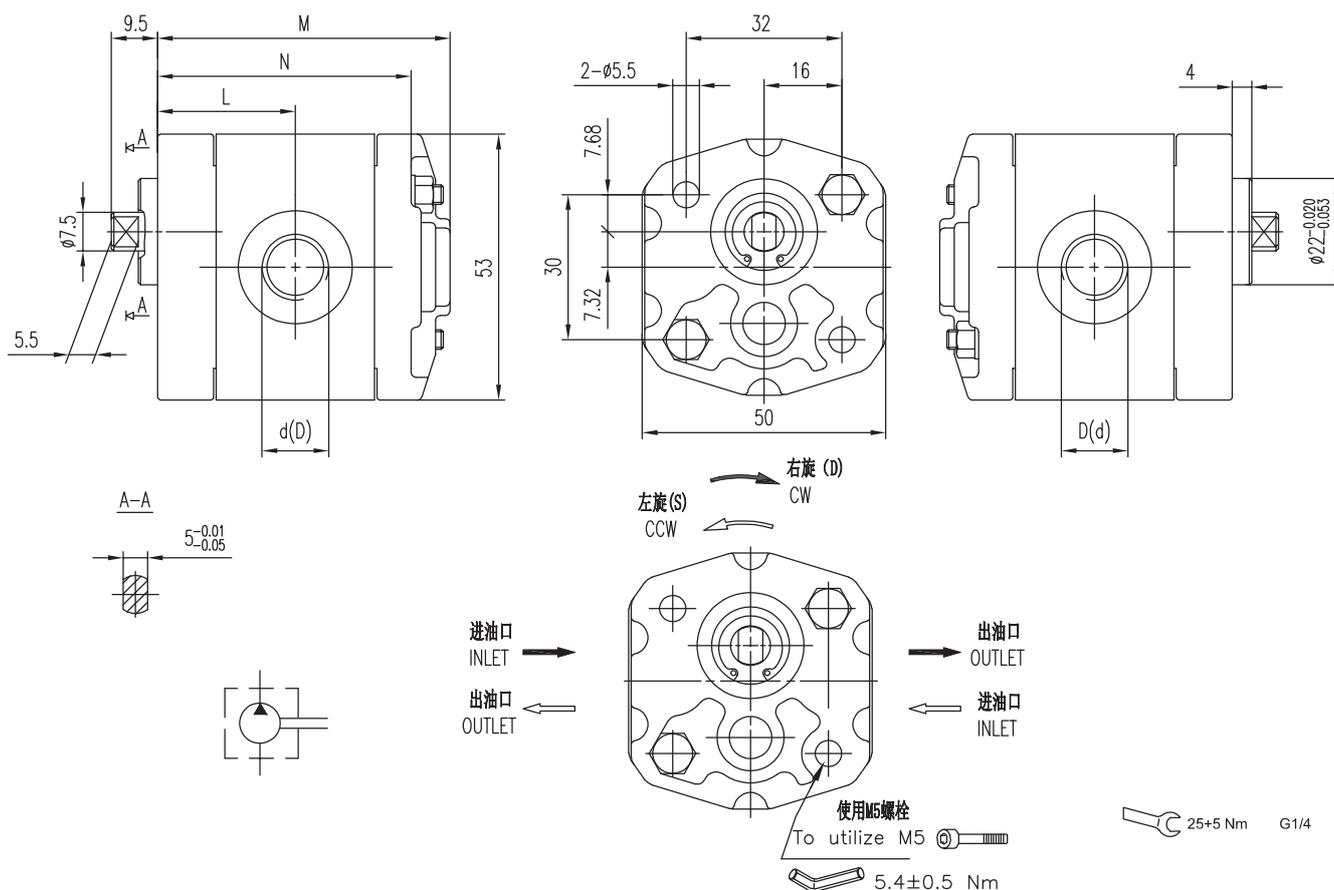
代号 CODE	进油口 INLET	泄油口 Oil drain
	A	D
LJ0-VQ2	G1/4	$\phi 5$



# 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**

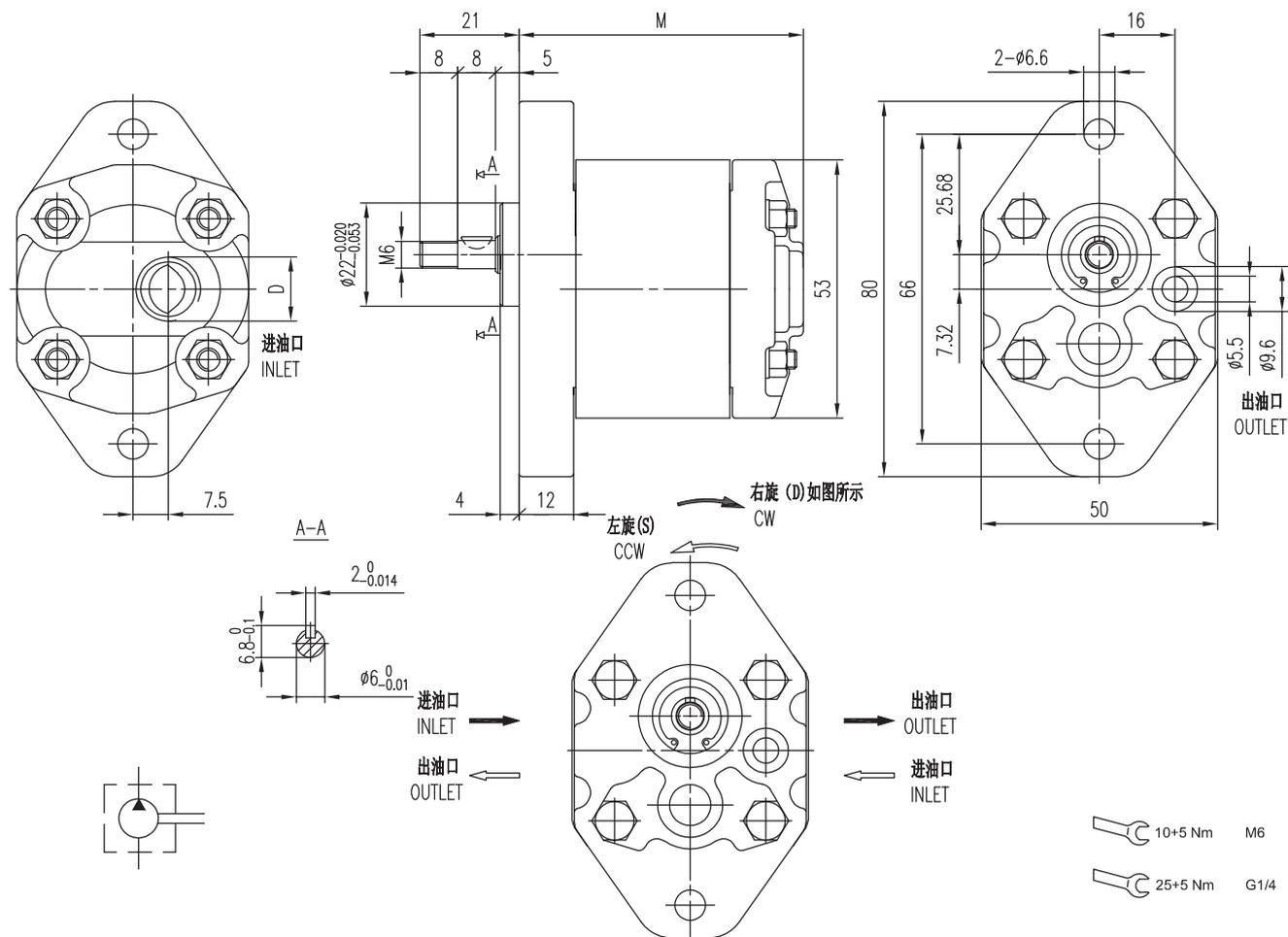


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions			油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	N	L			
(cm <sup>3</sup> /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm	mm		D	d
0.19	200	230	250	7000	1000	0.36	60	51	27.2	L2	G1/4	G1/4
0.26	200	230	250	7000	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

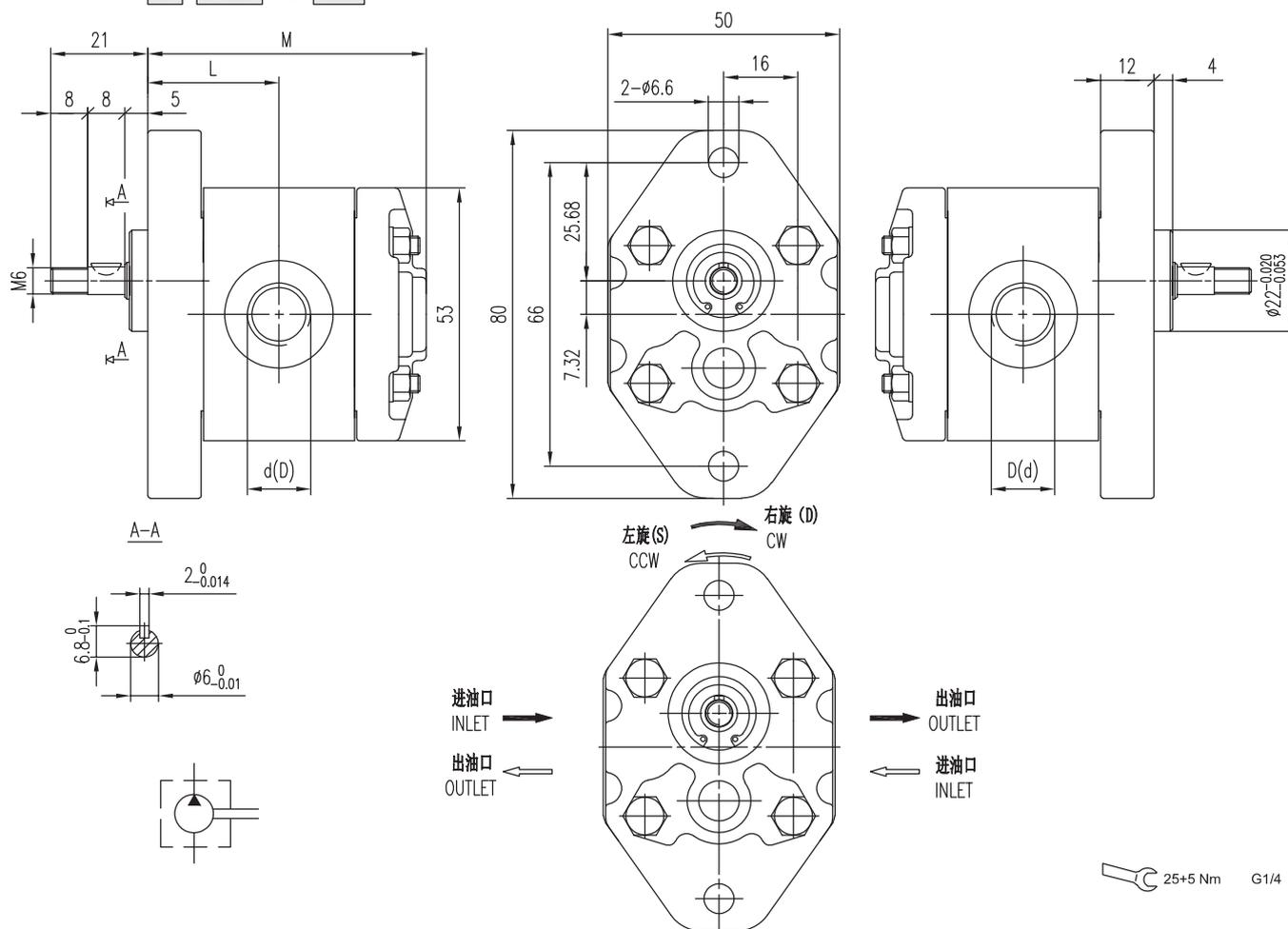


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions	油口代码 Oil port code	进油口 INLET
	P1	P2	P3						
(cm <sup>3</sup> /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm		D
0.19	200	230	250	7000	1000	0.395	60	LJ0	G1/4
0.26	200	230	250	7000	1000	0.40	60.5	LJ0	G1/4
0.38	200	230	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

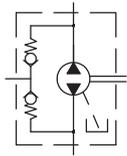
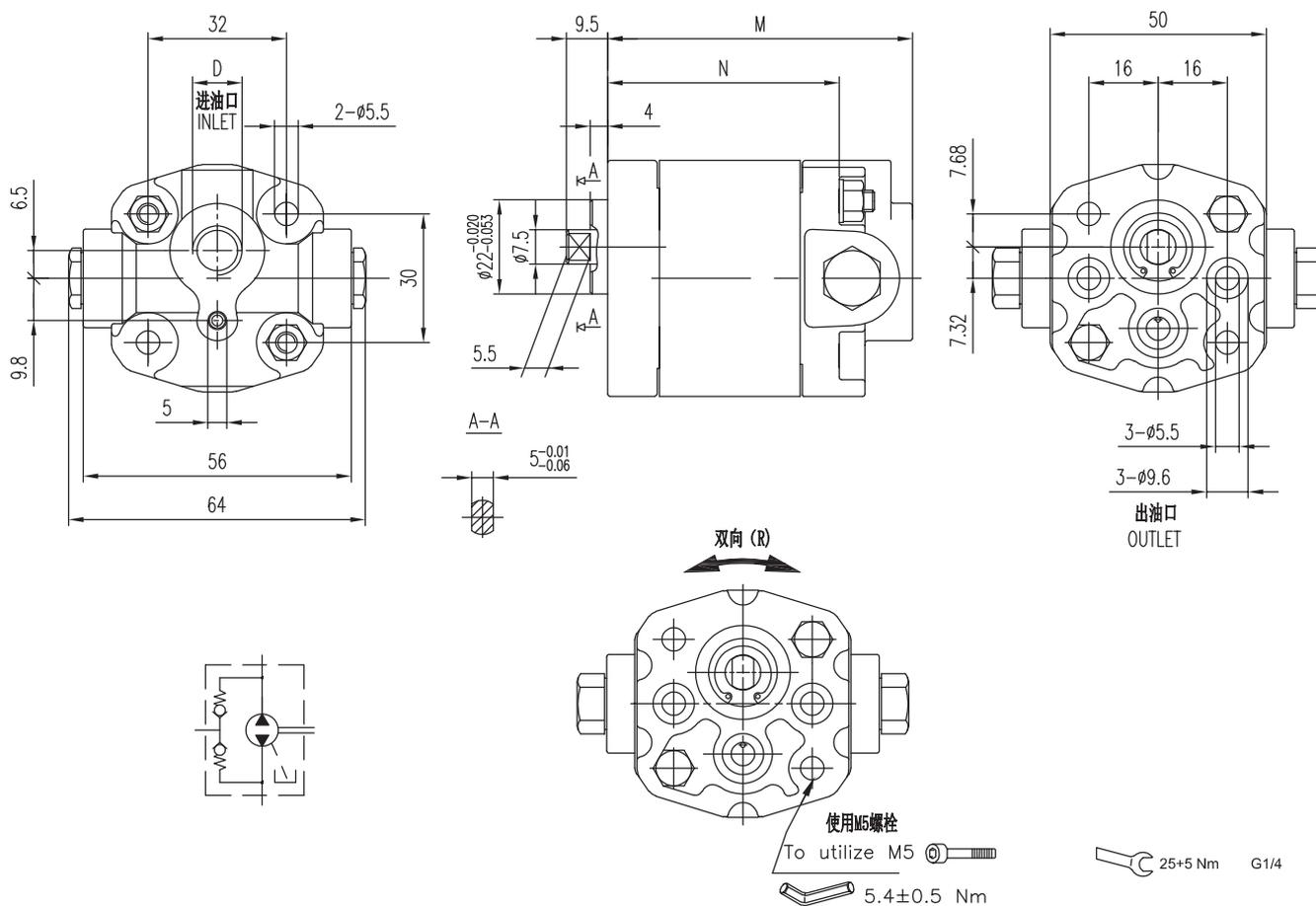


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm <sup>3</sup> /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
0.19	200	230	250	7000	1000	0.395	60	27.2	L2	G1/4	G1/4
0.26	200	230	250	7000	1000	0.40	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 <sup>3</sup> /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