

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~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 后盖带溢油口 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 	详见 66-67 页 See page 66-67 for details	详见 67 页 See page 67 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

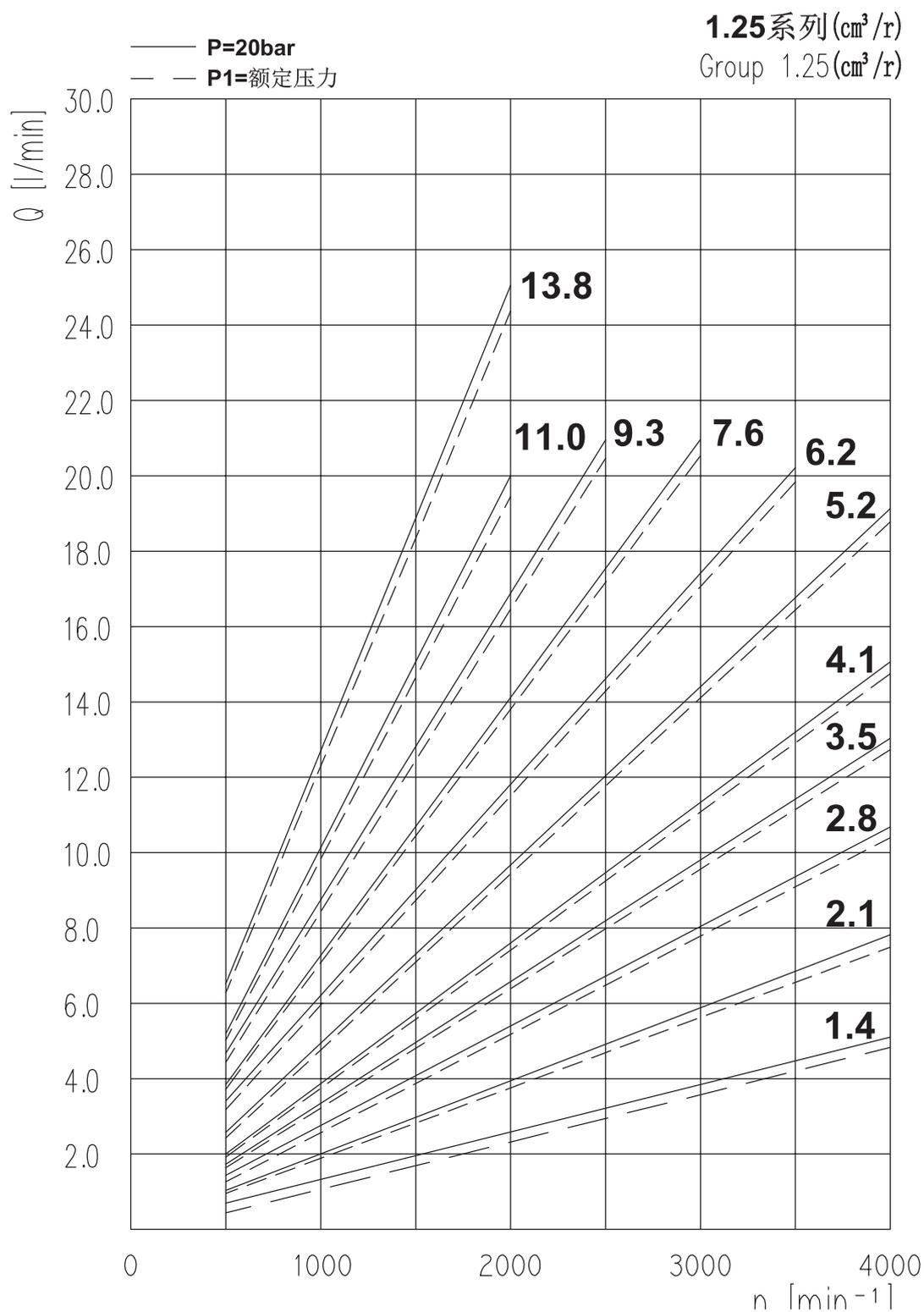
型式 type	
页码 page	71

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		

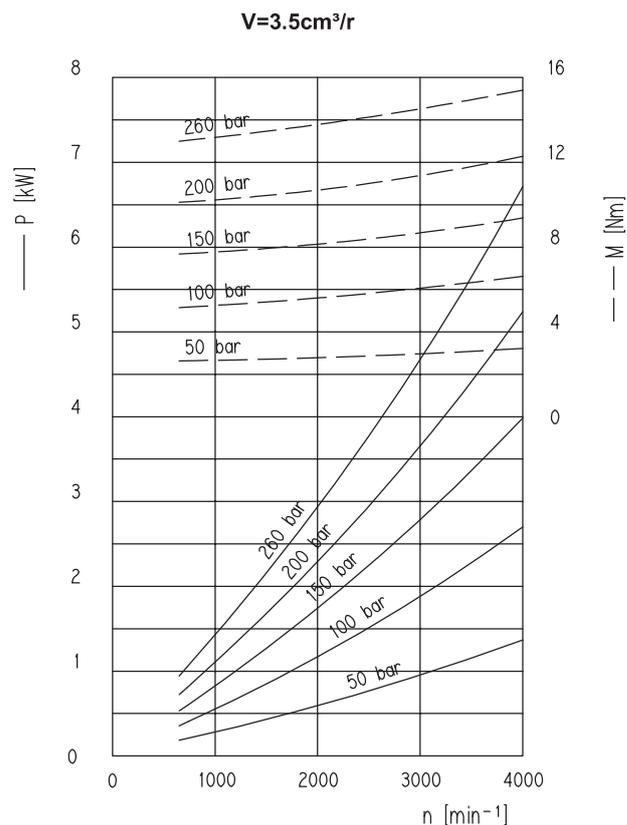
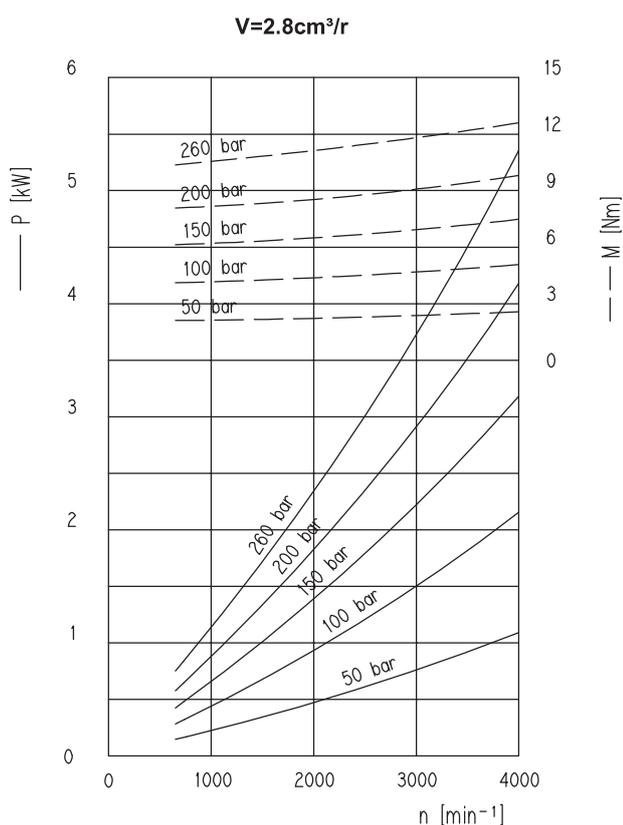
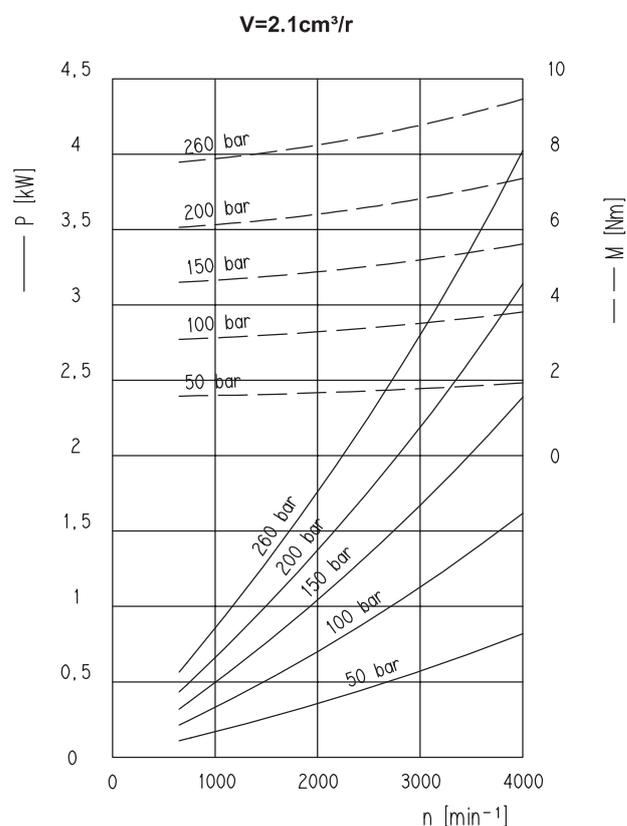
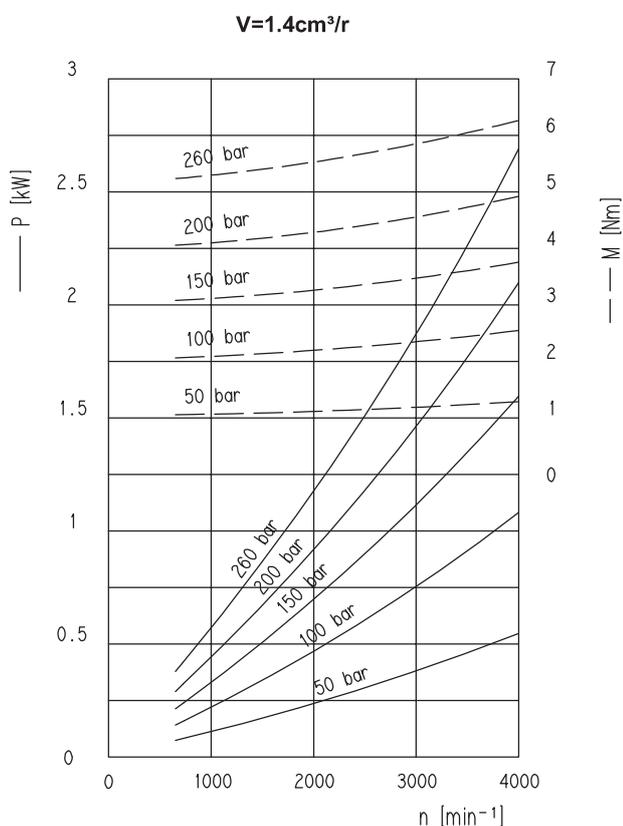
1.25系列/Group 1.25

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



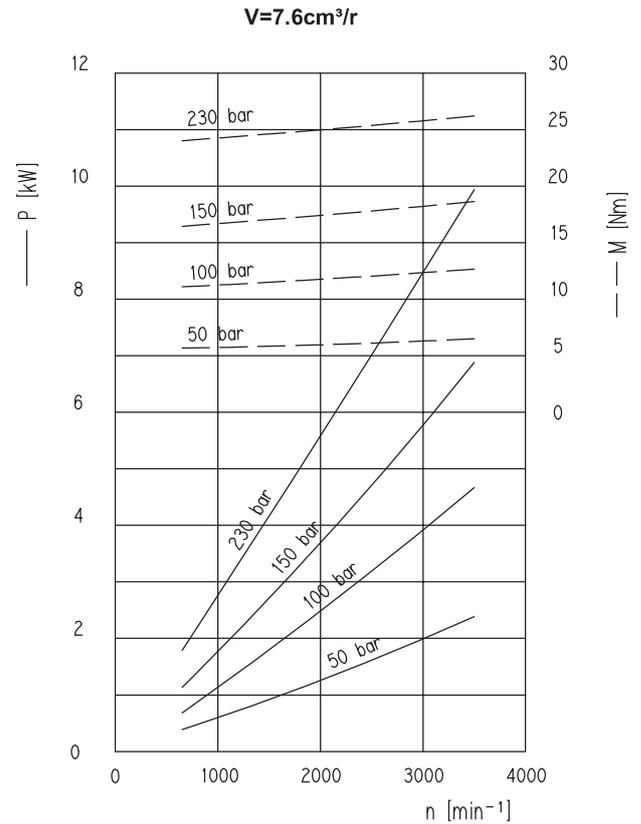
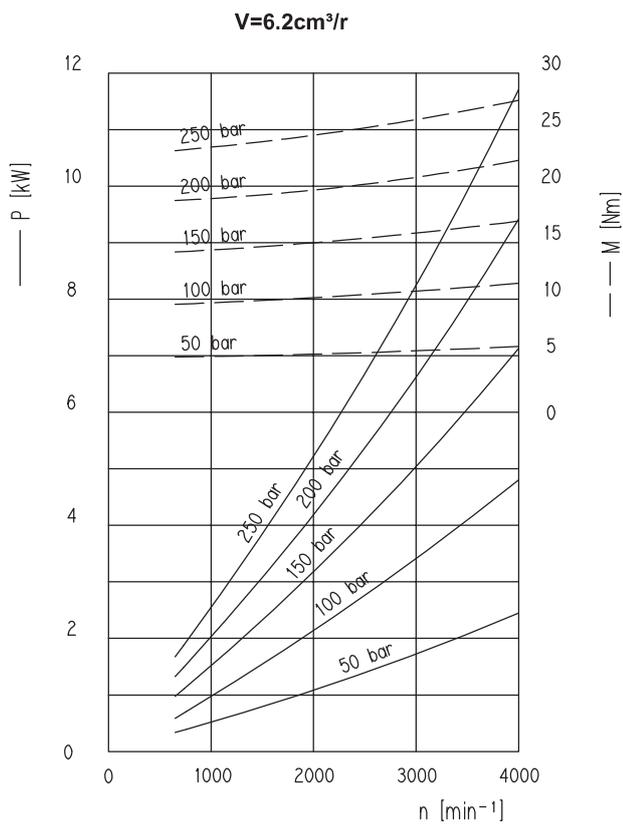
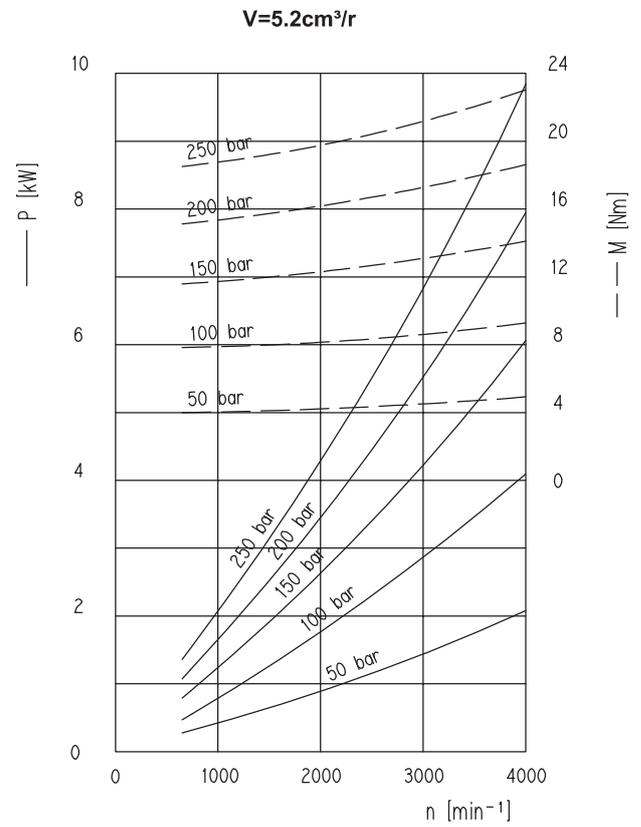
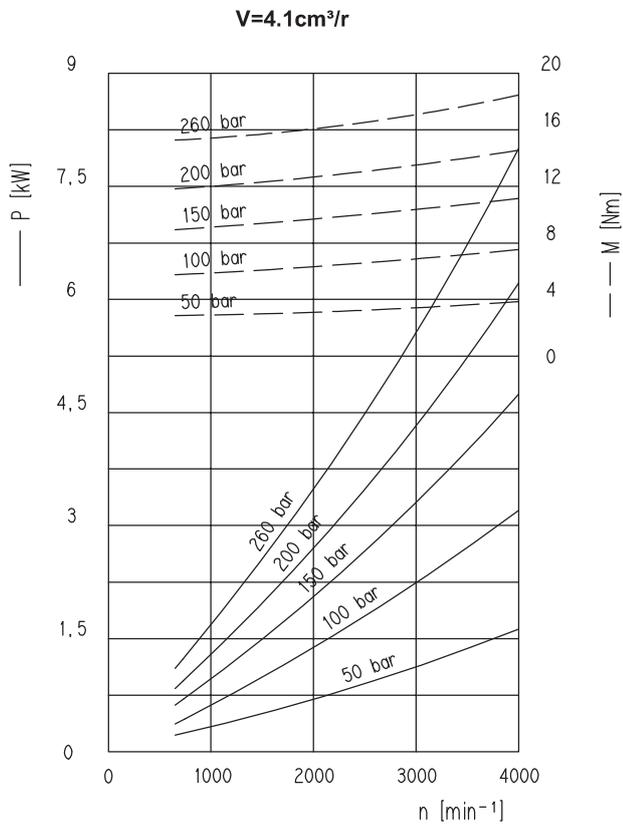
1.25系列/Group 1.25

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



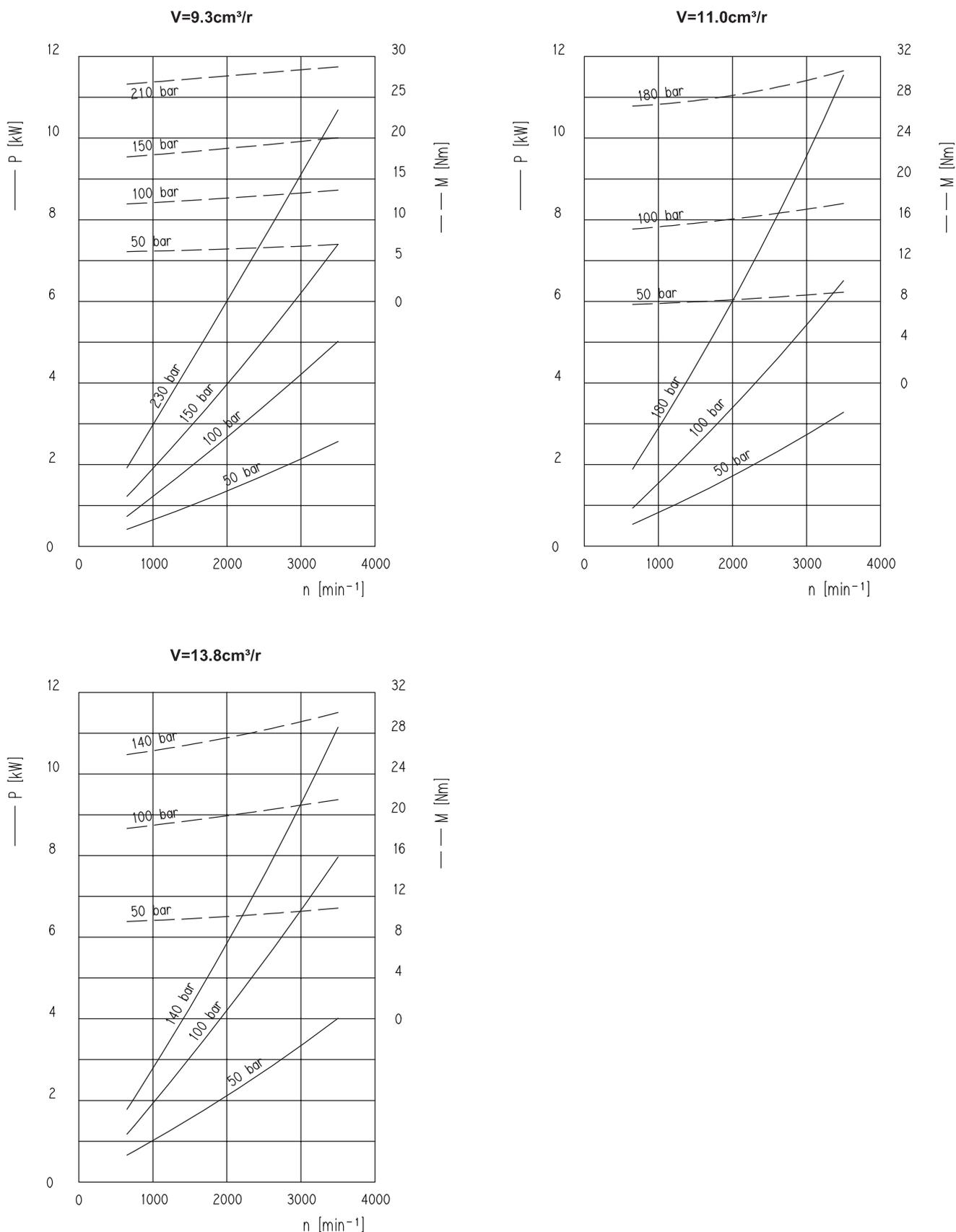
1.25系列/Group 1.25

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

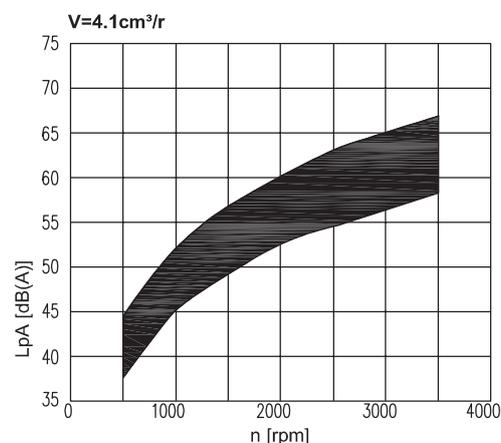
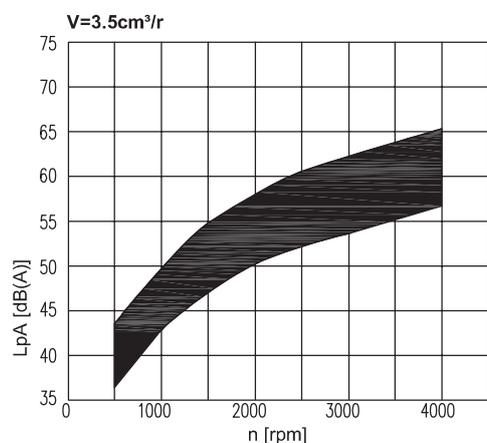
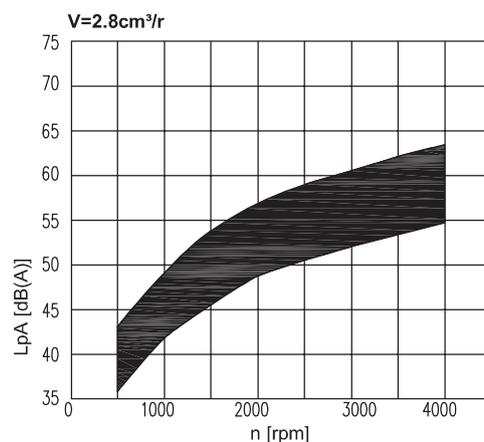
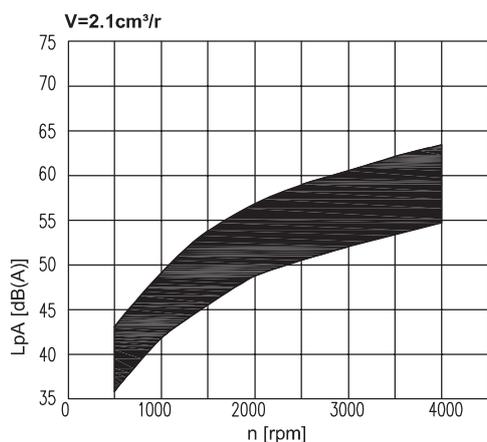
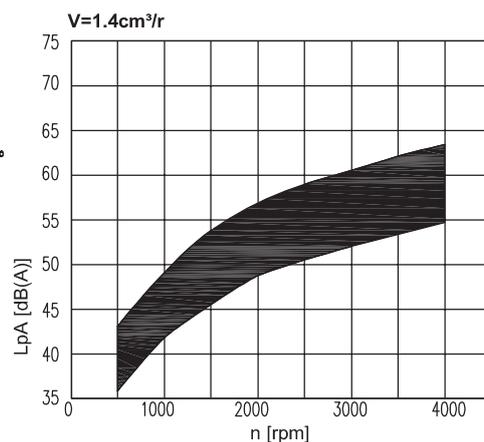
Oil data: $V = 32 \text{ mm}^2/\text{s}$, $\theta = 50^\circ\text{C}$.

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.

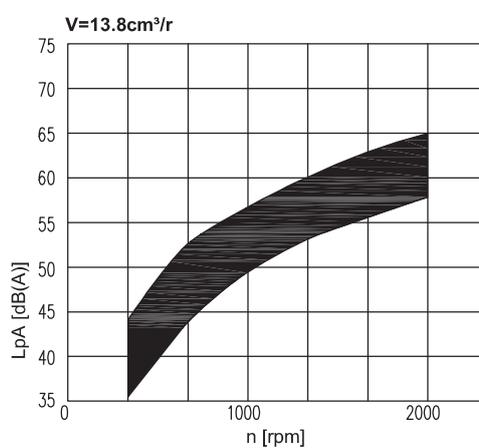
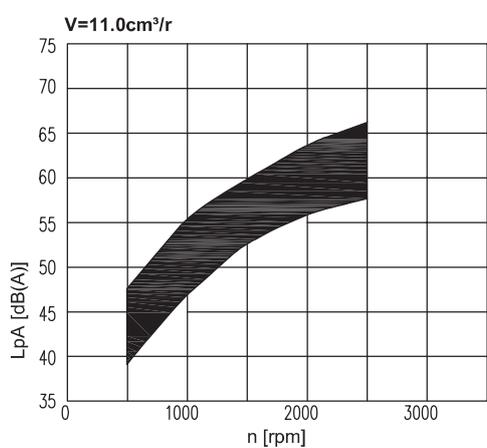
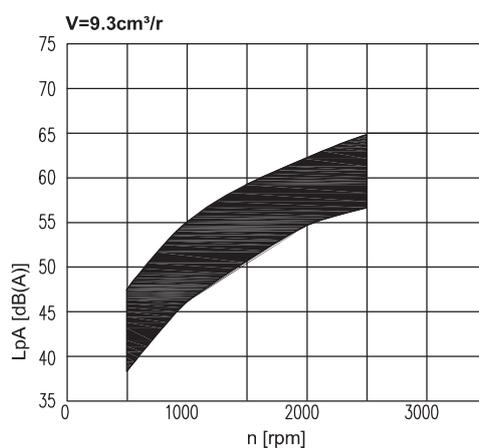
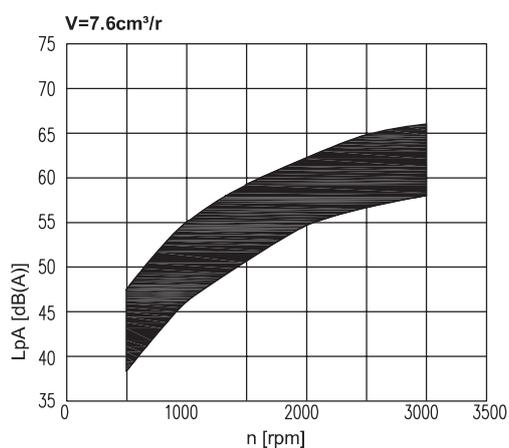
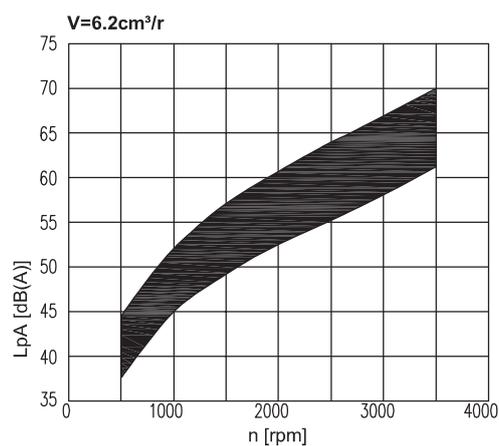
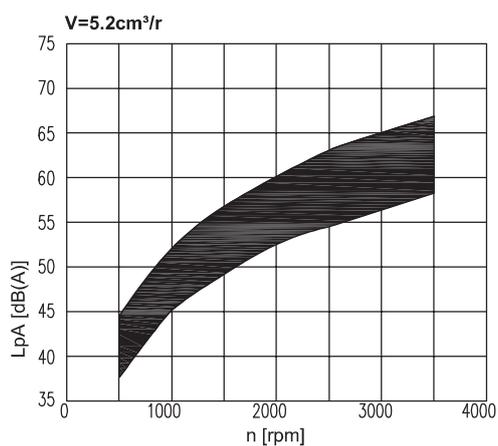
测量传感器与液压泵之间的距离: 1 米。

Distance between measuring sensor and hydraulic pump: 1m.



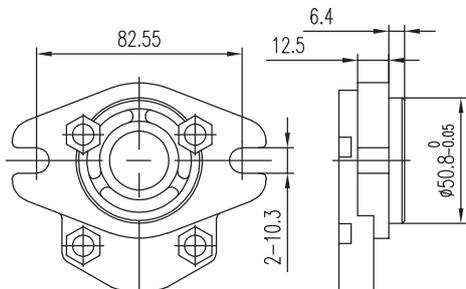
1.25系列/Group 1.25

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

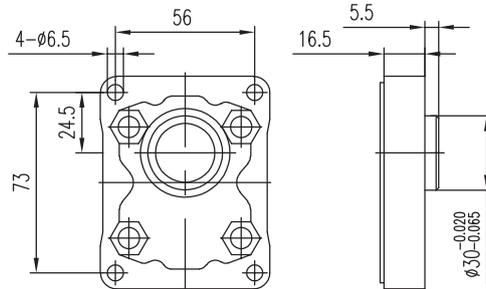


1.25系列/Group 1.25

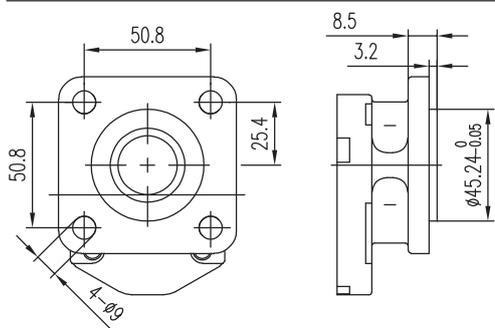
前盖/Front COVER



A0

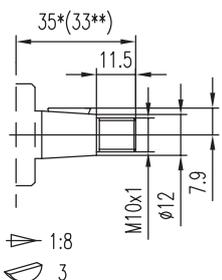


B0



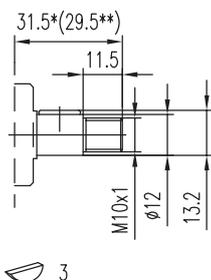
Q0

轴伸/SHAFTS



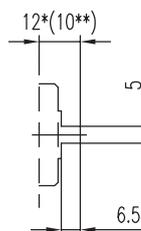
T0

最大扭矩
Max.Torque 100 Nm



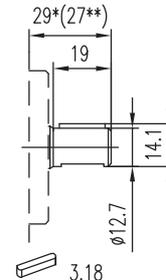
C1

最大扭矩
Max.Torque 55 Nm



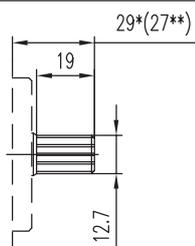
G0

最大扭矩
Max.Torque 45 Nm



C0

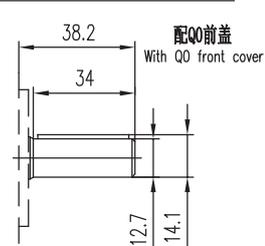
最大扭矩
Max.Torque 60 Nm



DP20/40-30'-9T

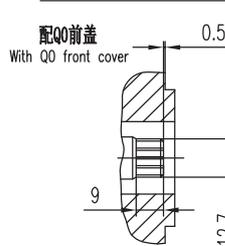
S0

最大扭矩
Max.Torque 100 Nm



C2

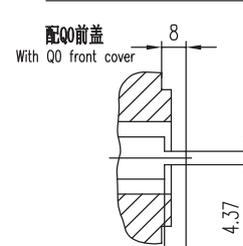
最大扭矩
Max.Torque 100 Nm



DP20/40-30'-9T

S1

最大扭矩
Max.Torque 95 Nm



G1

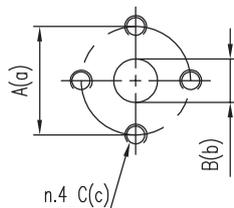
最大扭矩
Max.Torque 40 Nm

* 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 □

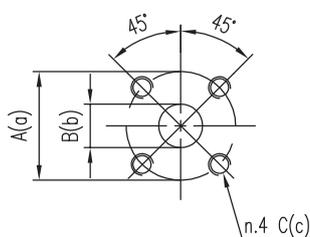
1.25系列/Group 1.25

泵体油口/PORTS



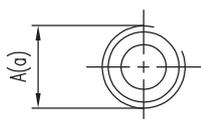
E0

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



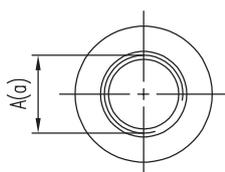
F0

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



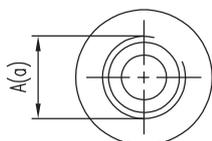
O型圈密封
O-ring

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

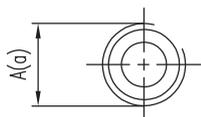
1.25系列/Group 1.25

油口/PORTS



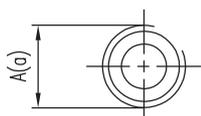
L0/L1/L2/L3

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

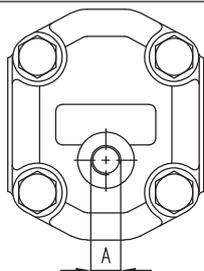
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
		A	a
R0	1.4...6.2	PT1/2	PT3/8
R1	7.6...13.8	PT3/4	PT1/2
R2	1.4...13.8	PT1/2	PT1/2
R3	1.4...6.2	PT3/8	PT3/8



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



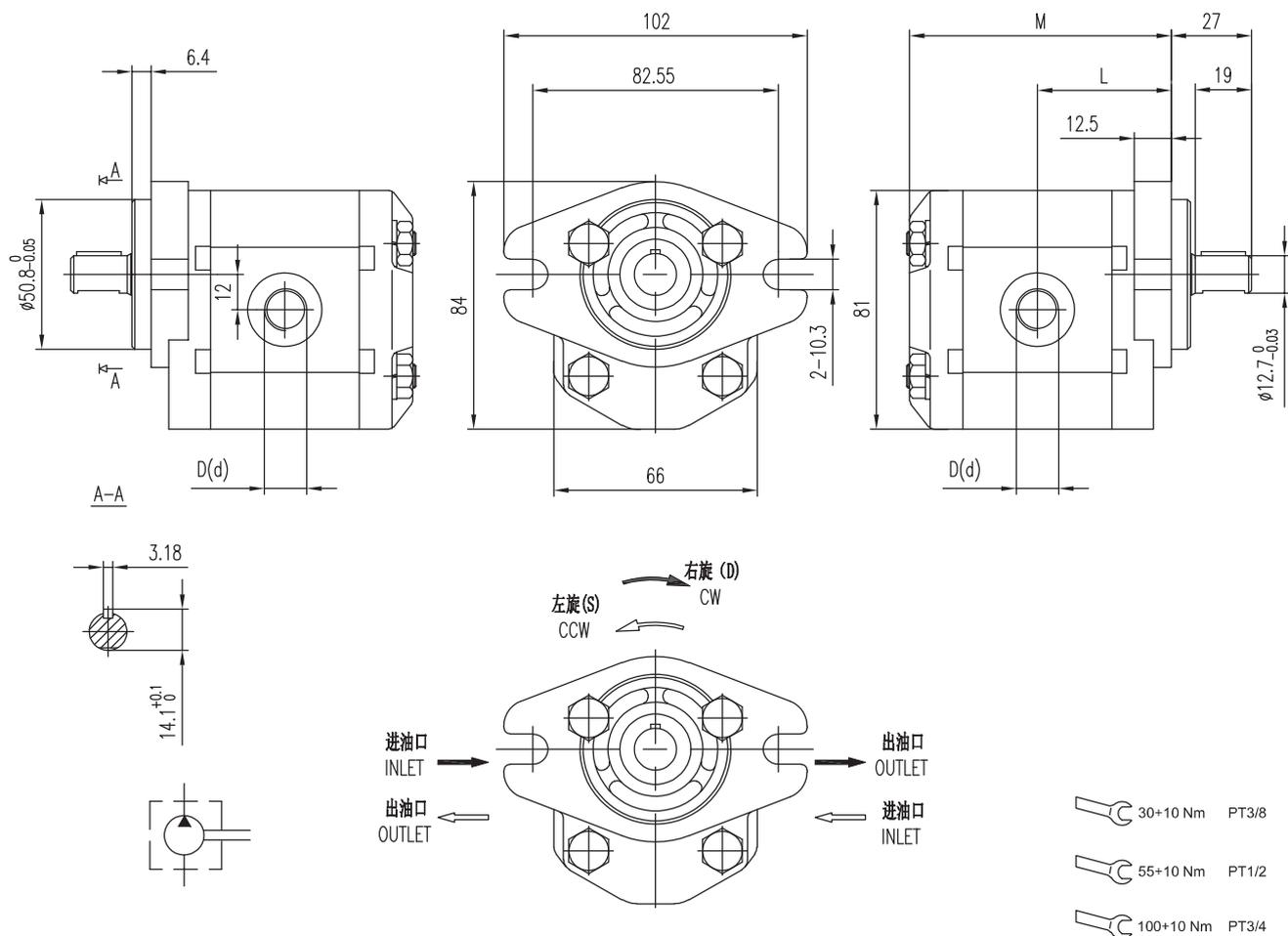
Q1/Q2

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-A0-D-1.4-C0-L0

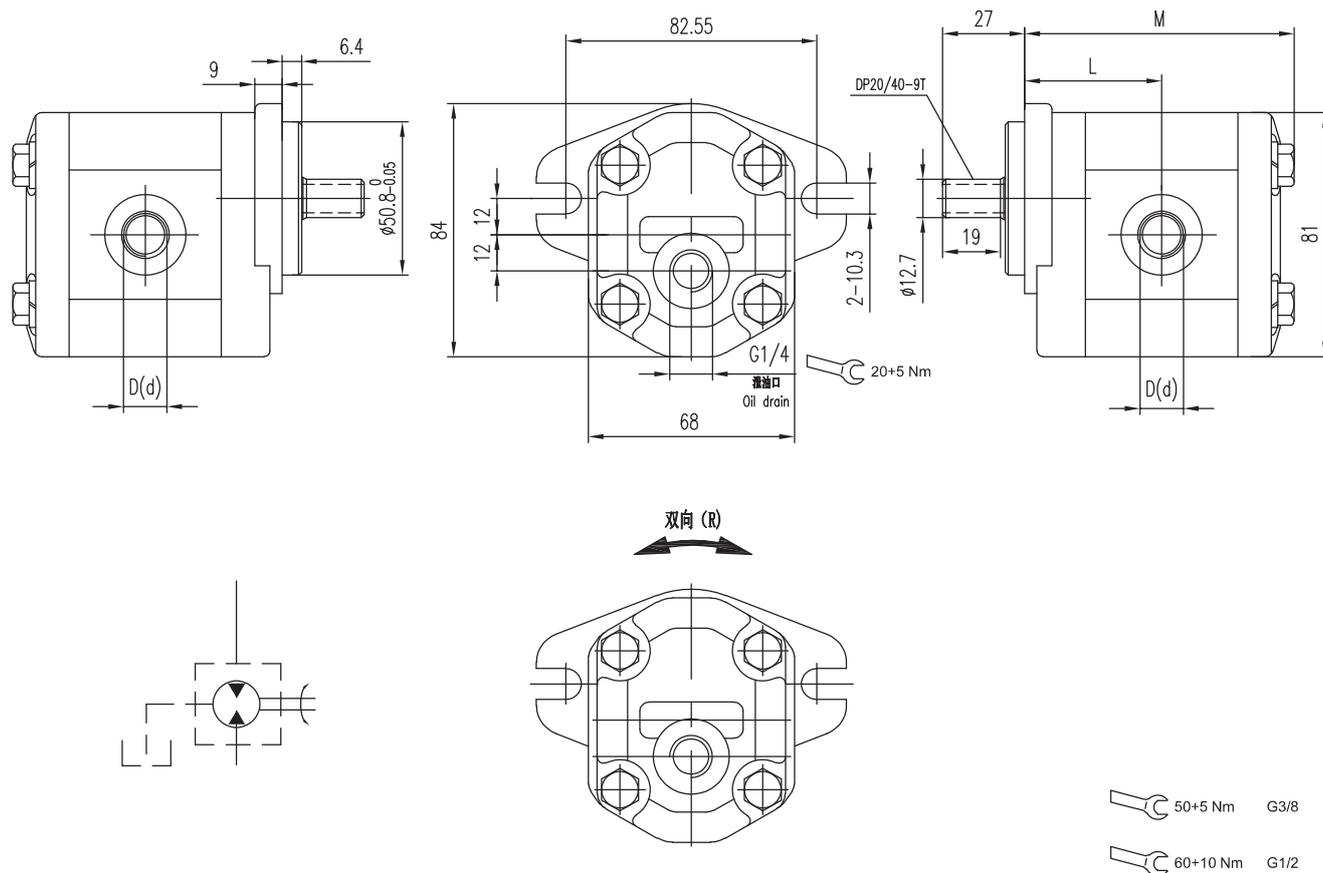


排量 Displacement	最大压力 Max pressure			最高转速 Max. speed	最低转速 Min. speed	重量 Weight	尺寸 Dimensions		油口代码 Oil port code	进油口 INLET	出油口 OUTLET
	P1	P2	P3				M	L			
(cm ³ /rev)	bar	bar	bar	(r/min)	(r/min)	Kg	mm	mm		D	d
1.4	250	270	290	6000	800	1.80	80.5	40	L0	G1/2	G3/8
2.1	250	270	290	6000	800	1.835	82.5	41	L0	G1/2	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

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		D	d
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