

2系列选型规则/Group 2 Ordering Code Rules

B	A	P	2	B0	D	3	T0	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 Motor	2 2系列 Group 2		D 顺时针 Clockwise S 逆时针 Counter clockwise R 可正反转 Reversible	3 4 6 8 10 12 14 16 18 20 22 25 28 30					特殊设计 special designing
H	前、后盖材料为铸铁，压力比铝盖高 30bar。 Front and end cover material cast iron, pressure 30 bar higher than aluminum covers										

前盖 Front cover	轴伸 Shaft	泵体油口 Ports	特殊结构 Special structure
A0 菱形前盖 (止口 $\phi 82.55$) 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 后盖带溢油口 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 14-15x1.4x4	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

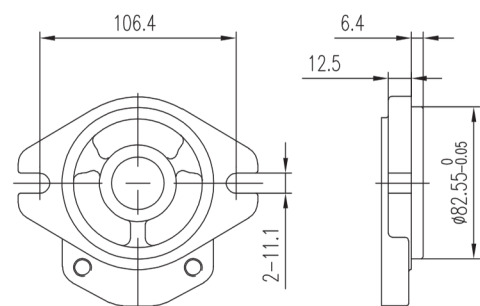
2系列标准型产品概览/Group 2 Standard Product Overview

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

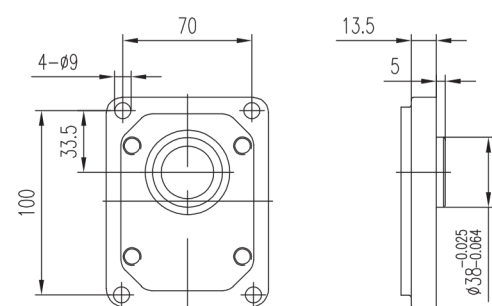
2系列排量参数表/Group 2 Displacement parameter table

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			

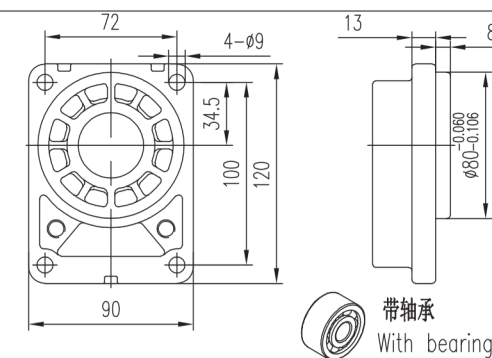
前盖/FRONT COVER



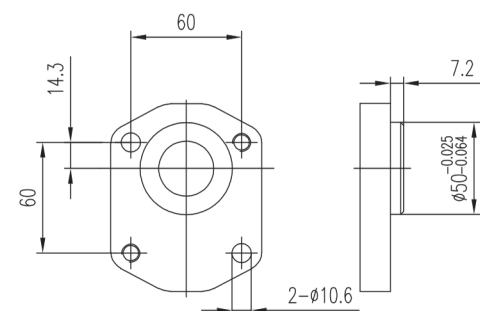
AO



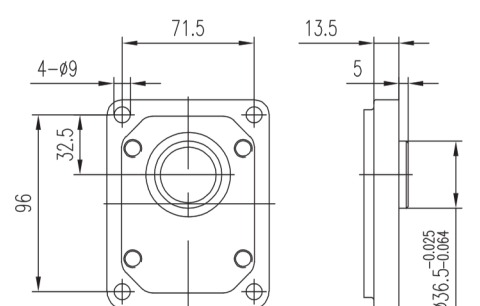
B1



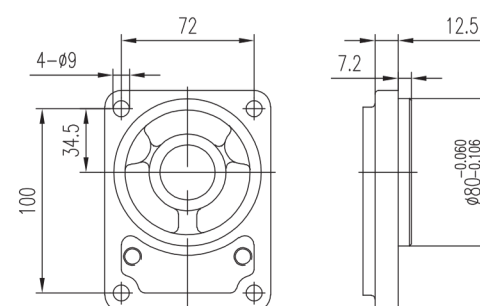
B3



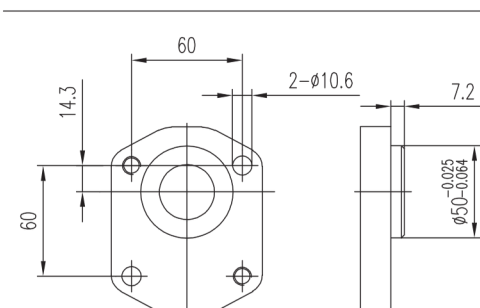
Q1



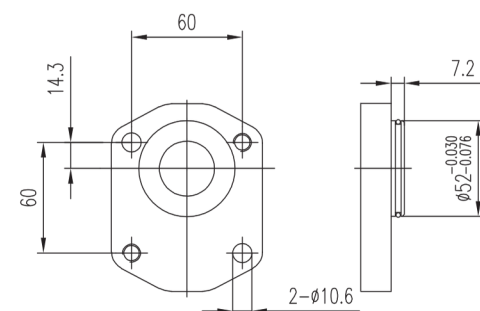
B0



B2

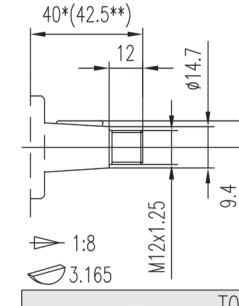


Q0



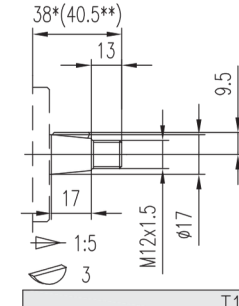
Q2

轴伸/SHAFTS



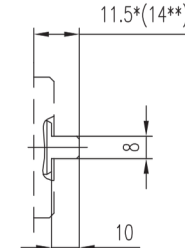
T0

最大扭矩
Max.Torque 200 Nm



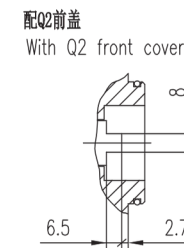
T1

最大扭矩
Max.Torque 180 Nm



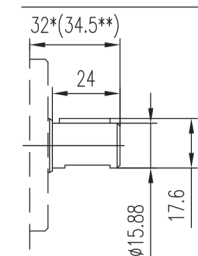
G0

最大扭矩
Max.Torque 100 Nm



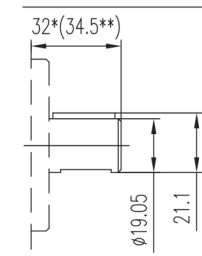
G1

最大扭矩
Max.Torque 100 Nm



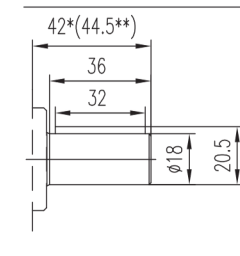
C0

最大扭矩
Max.Torque 140 Nm



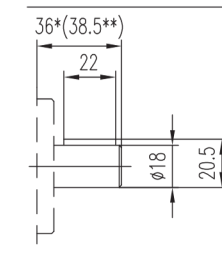
C1

最大扭矩
Max.Torque 160 Nm



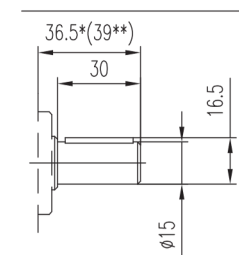
C2

最大扭矩
Max.Torque 150 Nm



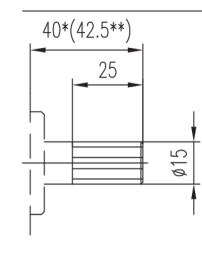
C3

最大扭矩
Max.Torque 150 Nm



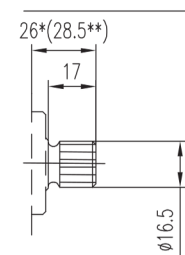
C4

最大扭矩
Max.Torque 135 Nm



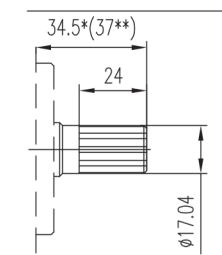
H0

最大扭矩
Max.Torque 185 Nm



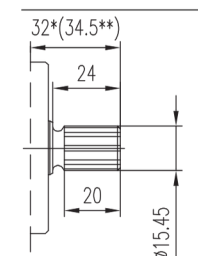
S3

最大扭矩
Max.Torque 150 Nm



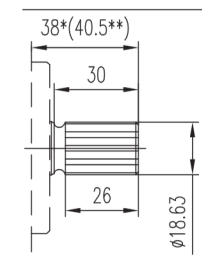
S8

最大扭矩
Max.Torque 190 Nm



S0

最大扭矩
Max.Torque 185 Nm

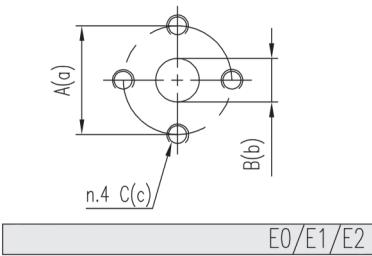


S1

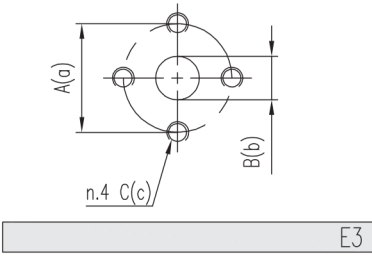
最大扭矩
Max.Torque 200 Nm

- * 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□

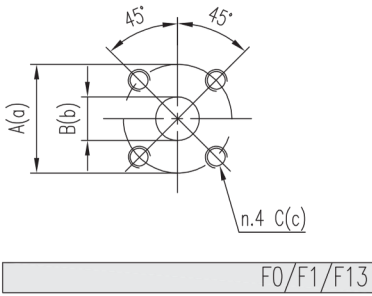
泵体油口/PORTS



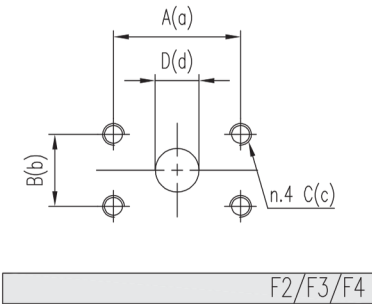
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
E0	3...8	A	B	C	a	b	c
E1	10...22	40	20	M8	30	13	M6
E2	25...30	40	22	M6	30	13	M6



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

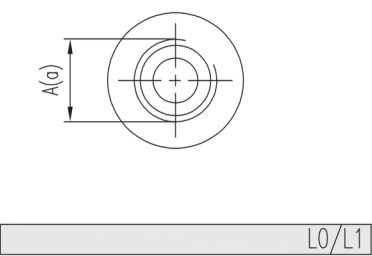


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET			出油口 OUTLET		
F0	3...8	40	15	M6	35	15	M6
F1	10...30	40	20	M8	35	15	M6
F13	10...30	40	20	M6	40	20	M6

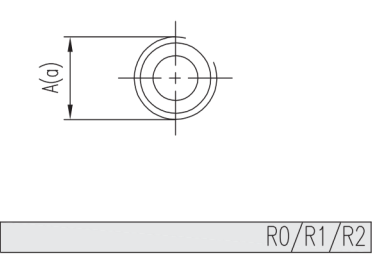


油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET				出油口 OUTLET			
F2	3...16	A	B	C	D	a	b	c	d
F3	18...20	47.63	22.23	3/8-16UNC	20	38.1	17.48	5/16-18UNC	13
F4	22...30	47.63	22.23	3/8-16UNC	20	47.63	22.23	3/8-16UNC	20

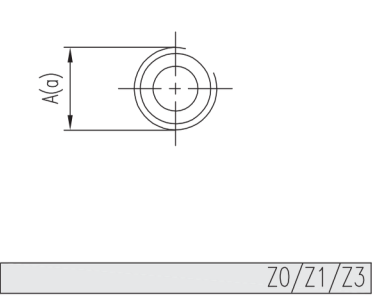
泵体油口/PORTS



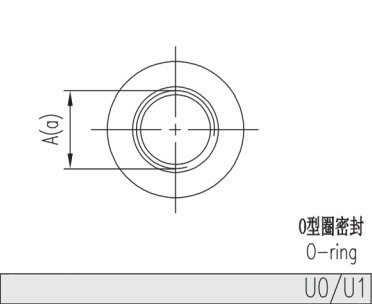
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
L0	3...6	G1/2	G1/2
L1	8...30	G3/4	G1/2



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



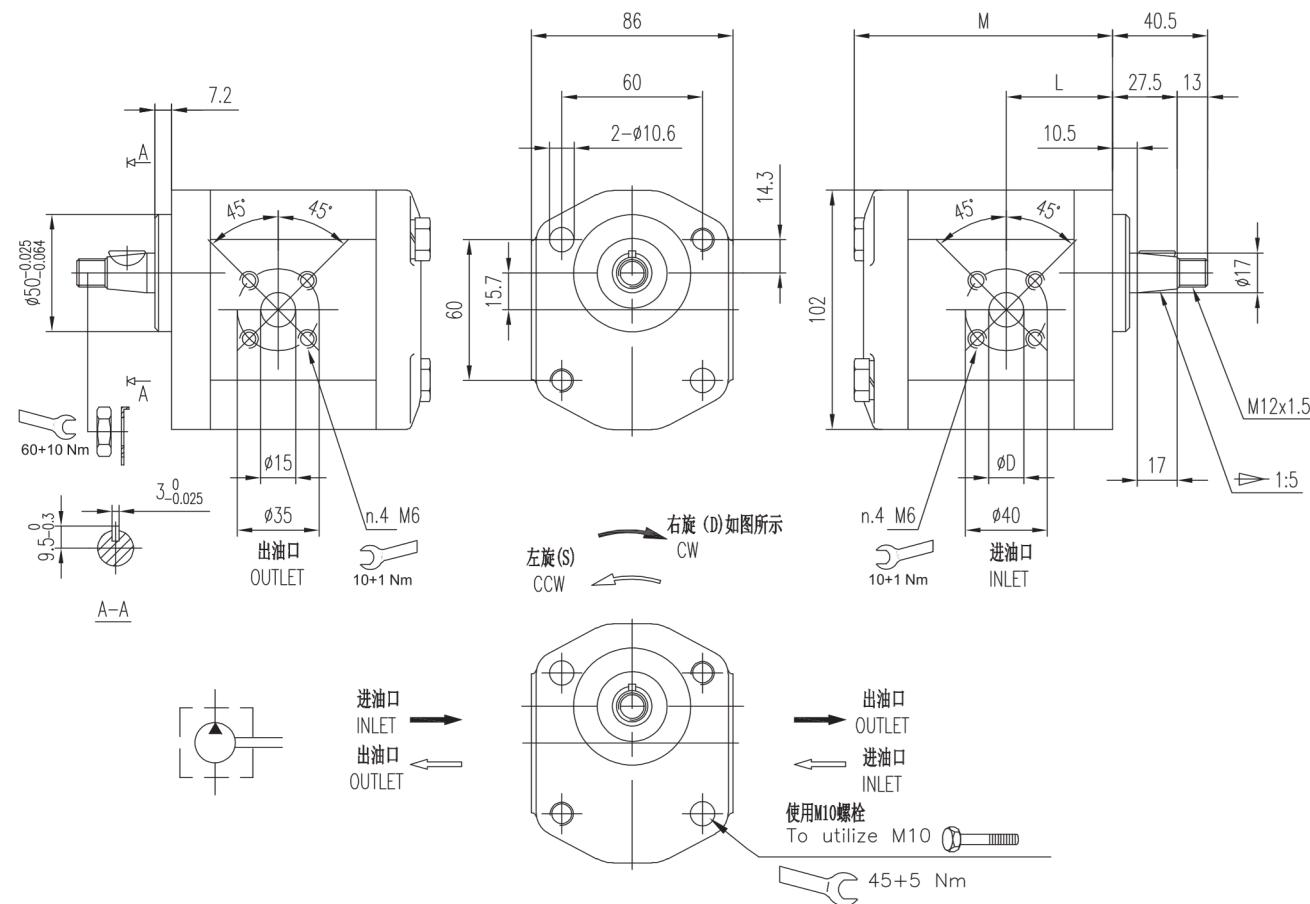
油口代号 PORTS CODE	排量 Displacement (cm ³ /rev)	进油口 INLET	出油口 OUTLET
Z0	3...12	M14X1.5	M14X1.5
Z1	14...25	M20X1.5	M18X1.5
Z3	28...30	M24X1.5	M22X1.5



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

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

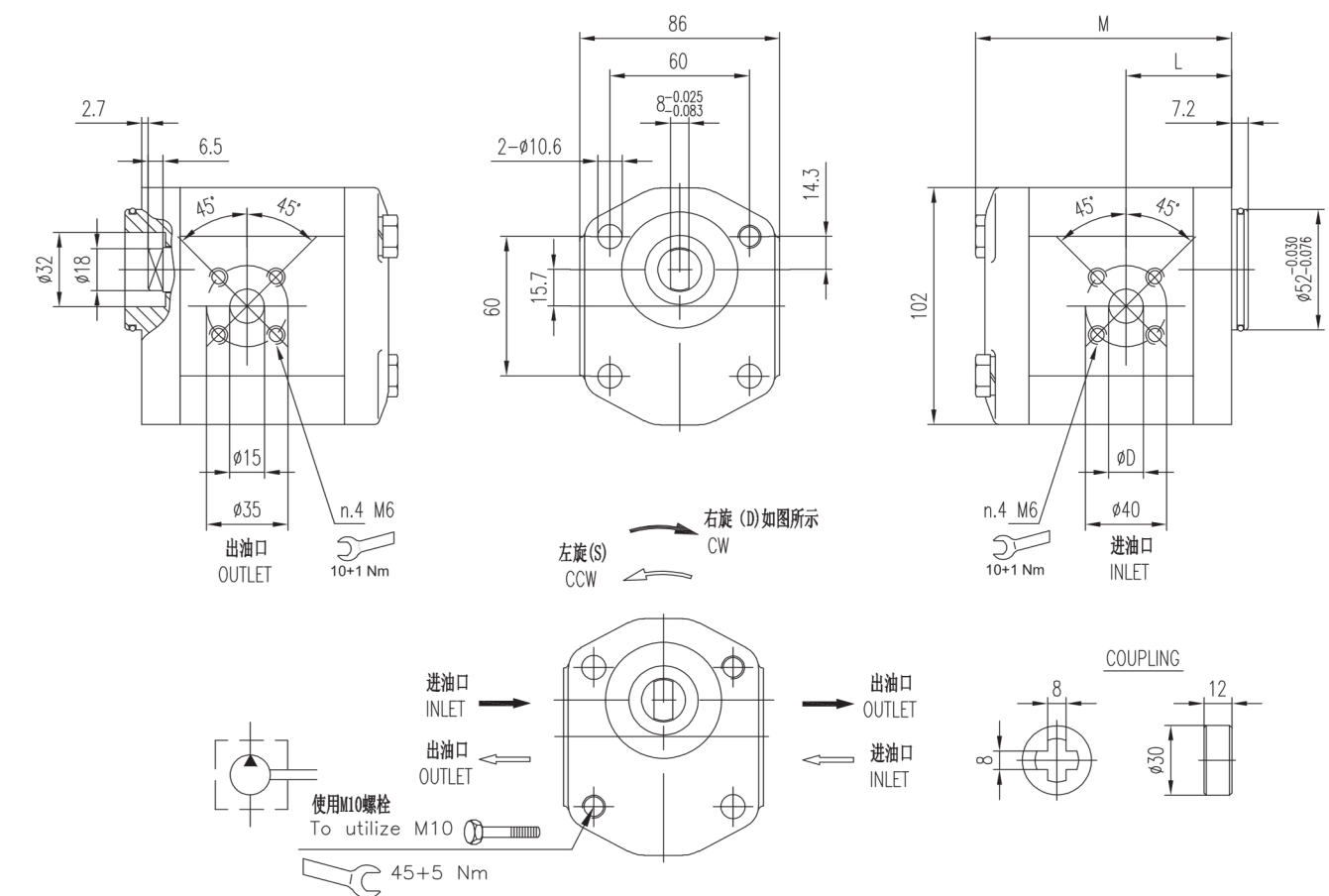
BHP2-Q1-D-3-T1-F0



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

