

柱塞泵 Piston Pump

CY 柱塞泵 CY Piston Pump	01
A2F 柱塞泵 A2F Piston Pump	05
A2FO(M) 柱塞泵 A2FO(M) Piston Pump	09
A7V 柱塞泵 A7V Piston Pump	12
A4V 柱塞泵 A4V Piston Pump	15
A10V 柱塞泵 A10V Piston Pump	16

叶片泵 Vane Pump

V/VQ 系列叶片泵 V/VQ Series Vane Pump	19
SQP 系列叶片泵 SQP Series Vane Pump	27
PV2R 系列叶片泵 PV2R Series Vane Pump	36
T6 系列叶片泵 T6 Series Vane Pump	45
VP 系列叶片泵 VP Series Vane Pump	49
50T 系列叶片泵 50T Series Vane Pump	53
V10/V20&VTM42 叶片泵 V10/V20&VTM42 Vane Pump	56

齿轮泵 Gear Pump

SGP&KZP4 系列齿轮泵 SGP&KZP4 Series Gear Pump	64
叉车齿轮泵 Forklift Gear Pump	70
HGP 系列及中高压齿轮泵 HGP Series Middle&High Pressure Gear Pump	71
Parker&Commercial 系列齿轮泵 Parker&Commercial Series Gear Pump	80
欧式中高压液压齿轮泵 Europe Middle&High Pressure Hydraulic Gear Pump	81
KP 系列齿轮泵 KP Series Gear Pump	96
C101/102&G101/102 系列齿轮泵 C101/102&G101/102 Series Gear Pump	97
QT&PGH 系列内啮合齿轮泵 QT&PGH Internal Gear Pump	100
GPA 系列齿轮泵 GPA Series Internal Gear Pump	101

液压马达 Hydraulic Motor

EM 系列五星马达 EM Series Hydraulic Radial Piston Motor	102
OM 系列摆线马达 OM Series Orbit Motor	110
液压转向器 Hydraulic Power Steering Unit	142
液压阀块和转向柱 Hydraulic Block Valve&Steering Columns	169

液压阀 Hydraulic Valve

液压阀 Hydraulic Valve	173
---------------------	-----

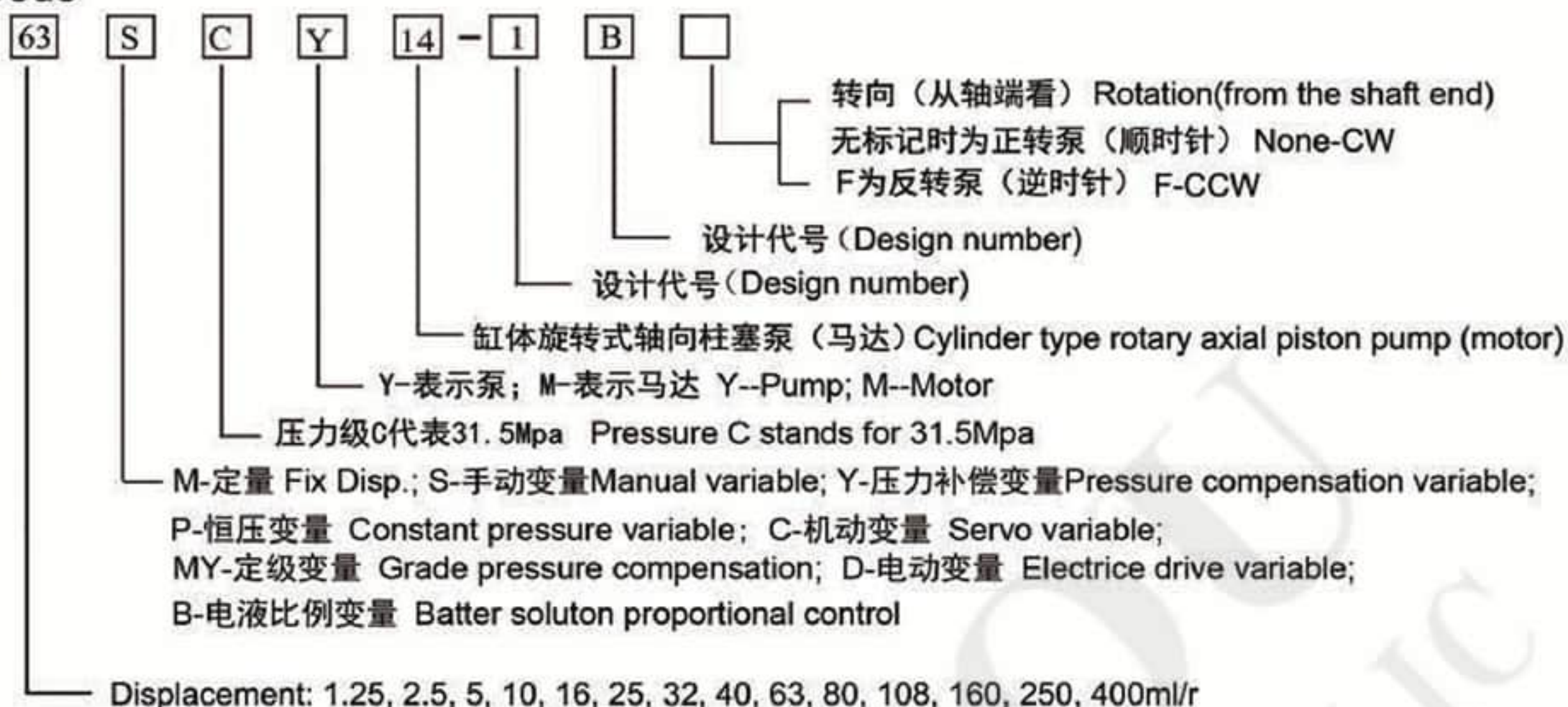
液压辅件 Hydraulic Accessories

NXQ 液压蓄能器 NXQ Hydraulic Accumulator	179
AW/AH 风冷却器 AW/AH Oil Cooler	183
OR&GLC&GLP 水冷却器 OR&GLC&GLP Water Cooler	184
液压电机 Electric Motor	189
液压辅件 Hydraulic Accessories	195

CY系列柱塞泵 CY Series Piston Pump



■ 型号说明 Model Code

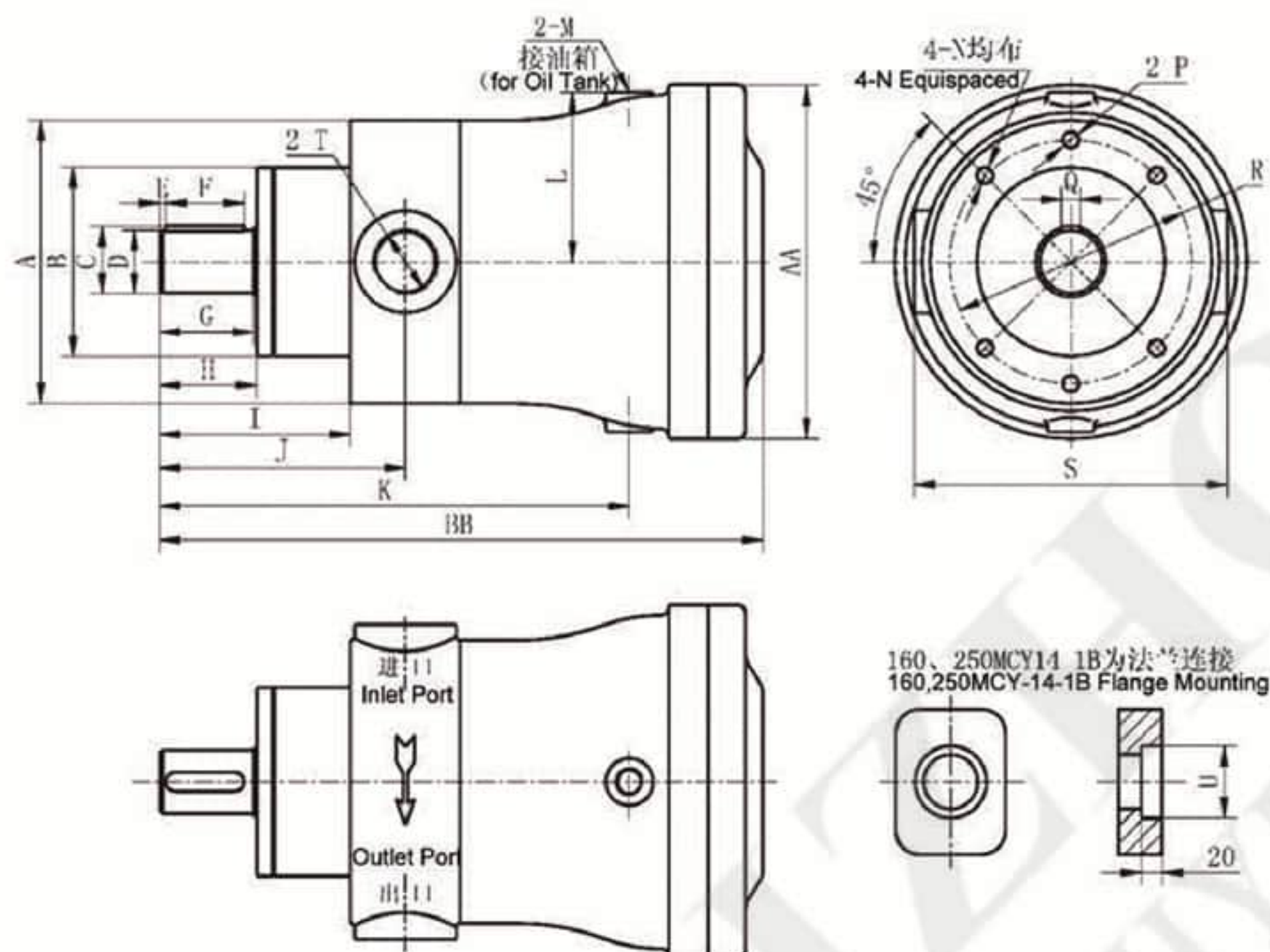


■ 泵的型号和参数 Pump Series&Specification

型号 Model	公称压力 Nominal Pressure(Mpa)	公称排量 Nominal Displacement (ml/r)	理论流量 Theoretical Flow L/min		最大传动功率 Max. Drive Power(KW)	最大理论扭矩 Maximum Theoretical Torque(N·m)
			1000r/min	1500r/min	1000r/min	
2.5	MCY14-1B	31.5	2.5	3.75	1.43	17.5
10	MCY14-1B	31.5	10	15	5.7	54.6
	SCY14-1B					
	YCY14-1B					
	MYCY14-1B					
	BCY14-1B					
	PCY14-1B					
25	MCY14-1B	31.5	25	37.5	14.1	134.9
	SCY14-1B					
	YCY14-1B					
	MYCY14-1B					
	BCY14-1B					
	PCY14-1B					
40	MCY14-1B	31.5	40	60	22.6	201.5
	SCY14-1B					
	YCY14-1B					
	MYCY14-1B					
	BCY14-1B					
	PCY14-1B					
63	MCY14-1B	31.5	63	94.5	35.6	339.9
	SCY14-1B					
	YCY14-1B					
	MYCY14-1B					
	BCY14-1B					
	PCY14-1B					
80	MCY14-1B	31.5	80	120	46.6	405.1
	SCY14-1B					
	YCY14-1B					
	BCY14-1B					
	PCY14-1B					
	PCY14-1B					
160	MCY14-1B	31.5	160	240	92.2	880.3
	SCY14-1B					
	YCY14-1B					
	BCY14-1B					
	PCY14-1B					
	PCY14-1B					
250	MCY14-1B	31.5	250	250	133.2	1272.4
	SCY14-1B					
	YCY14-1B					
	BCY14-1B					
	PCY14-1B					
	PCY14-1B					
400	MCY14-1B	31.5	400	400	199.5	1905.2
	SCY14-1B					
	YCY14-1B					
	BCY14-1B					
	PCY14-1B					
	PCY14-1B					

■ MCY14-1B 定量泵的外形及安装尺寸
MCY14-1B Fix Dis. Pump Shape&Mounting Size

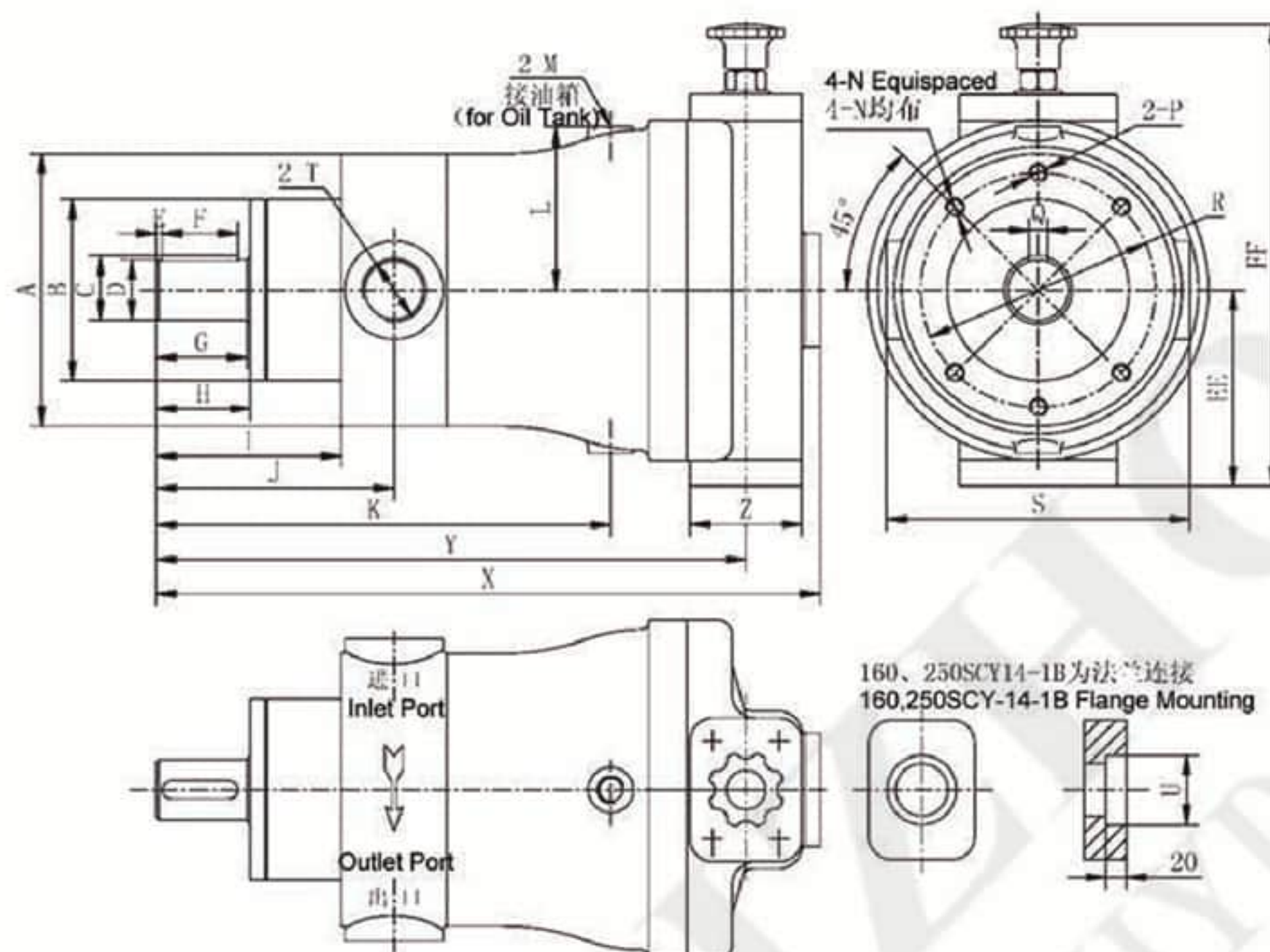
(图示为正转泵, 反转泵进出油口相反)
(The pic is CW rotation pump, the inlet&outlet port of CCW is opposite)



尺寸/型号 Size/Model	2.5MCY	10(16)MCY	25(40)MCY	63(80)MCY	160MCY	250(400)MCY
A	79 × 84	Φ 125	Φ 150	Φ 190	Φ 240	Φ 280
B(f9)	Φ 52	Φ 75	Φ 100	Φ 120	Φ 150	Φ 180
C	15.8	27.5	32.5	42.8	59	63.9
D(h6)	Φ 14	Φ 25	Φ 30	Φ 40	Φ 55	Φ 60
E	3	4	4	4	4	5
F	20	30	45	50	100	100
G	25	40	52	60	106	110
H	26	41	54	62	110	112
I	62	86	104	122	180	212
J	77	109	134	157	230	272(277)
K	119	194	237	280(300)	411	492(502)
L	44	71	83	108	141	170
M	M10 × 1	M14 × 1.5	M14(M18) × 1.5	M18 × 1.5	M22 × 1.5	M27 × 2
N	M8	M10	M10	M12	M16	M20
P					M16	M20
Q(h9)	5	8	8	12	16	18
R	Φ 80	Φ 100	Φ 125	Φ 155	Φ 198	Φ 230
S	84	142	172	200	340	420
T	M18 × 1.5	M22 × 1.5	M33x2(进口Inlet M42x2 出口Outlet M33x2)	M42x2(进口Inlet M48x2 出口Outlet M42x2)	Φ 55	Φ 64(Φ 66)
U					Φ 64	Φ 76
AA	Φ 92	Φ 150	Φ 170	Φ 225	Φ 300	Φ 360
BB	171	253	308	365(385)	525	622(632)

■ SCY14-1B 型手动泵的外形及安装尺寸
SCY14-1B Series Manual Variable Dis. Pump Shape&Mounting Size

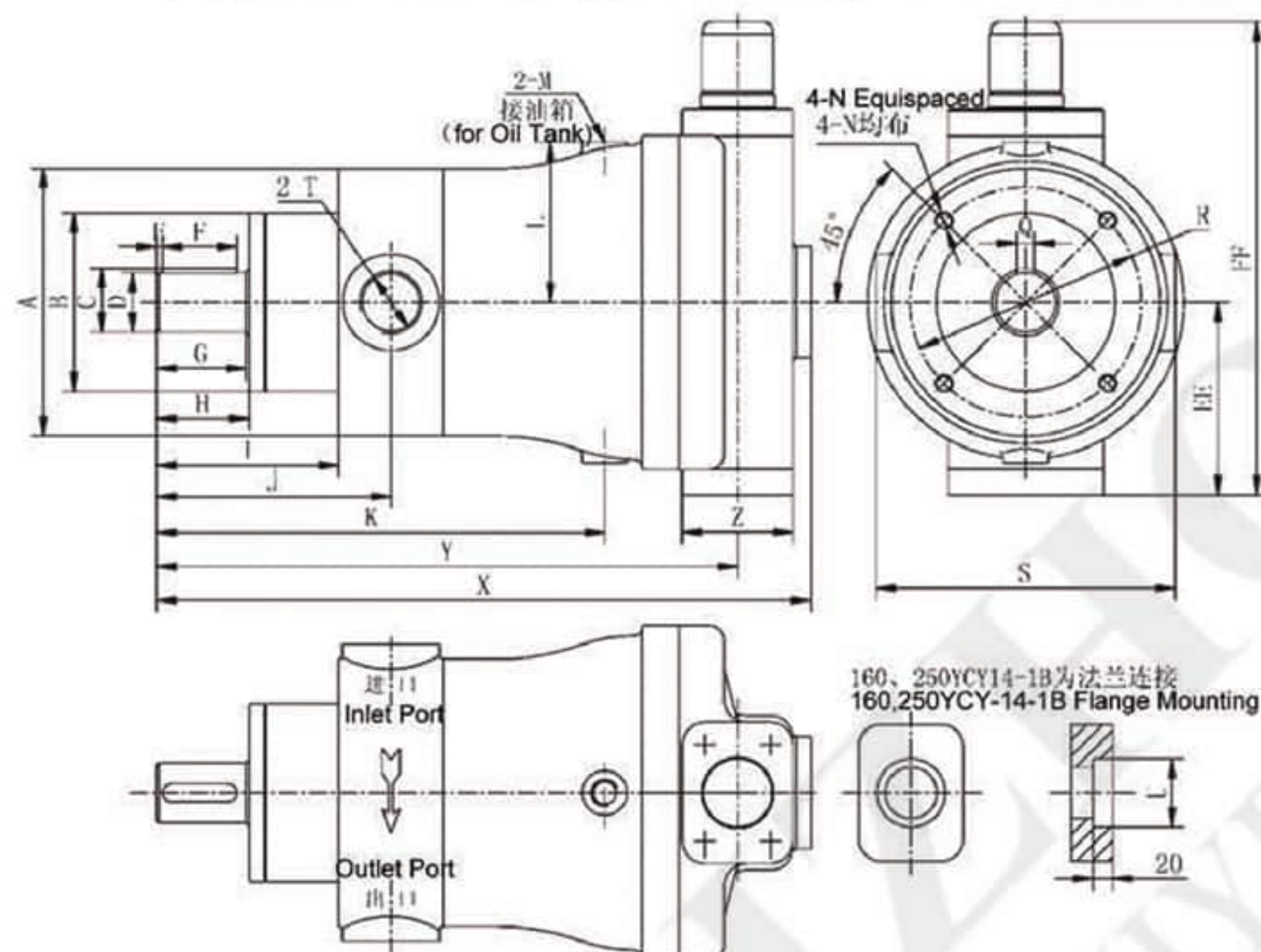
(图示为正转泵, 反转泵进出油口相反)
(The pic is CW rotation pump, the inlet&outlet port of CCW is opposite)



尺寸/型号 Size/Model	10(16)SCY	25(40)SCY	63(80)SCY	160SCY	250(400)SCY
A	Φ 125	Φ 150	Φ 190	Φ 240	Φ 280
B(Φ)	Φ 75	Φ 100	Φ 120	Φ 150	Φ 180
C	27.5	32.5	42.8	59	63.9
D(h6)	Φ 25	Φ 30	Φ 40	Φ 55	Φ 60
E	4	4	4	4	5
F	30	45	50	100	100
G	40	52	60	106	110
H	41	54	62	110	112
I	86	104	122	180	212
J	109	134	157	230	272(277)
K	194	237	280(300)	411	492(502)
L	71	83	108	141	170
M	M14 × 1.5	M14(M18) × 1.5	M18 × 1.5	M22 × 1.5	M27 × 2
N	M10	M10	M12	M16	M20
P				M16	M20
Q(h9)	8	8	12	16	18
R	Φ 100	Φ 125	Φ 155	Φ 198	Φ 230
S	142	172	200	340	420
T	M22 × 1.5	M33x2(进口Inlet M42x2 出口Outlet M33x2)	M42x2(进口Inlet M48x2 出口Outlet M42x2)	Φ 55	Φ 64(Φ 66)
U				Φ 64	Φ 76
X	294	362	420(440)	595	690(700)
Y	258	317	369(389)	533	629(639)
Z	50	66	74	100	100
EE	91	101	130	165	203
FF	240	266	316	405	479

■ YCY14-1B 压力补偿泵的外形及安装尺寸
YCY14-1B Series Manual Variable Dis. Pump Shape&Mounting Size

(图示为正转泵, 反转泵进出油口相反)
(The pic is CW rotation pump, the inlet&outlet port of CCW is opposite)



尺寸/型号Size/Model	10(16)YCY	25(40)YCY	63(80)YCY	160YCY	250(400)YCY
A	Φ 125	Φ 150	Φ 190	Φ 240	Φ 280
B(φ)	Φ 75	Φ 100	Φ 120	Φ 150	Φ 180
C	27.5	32.5	42.8	59	63.9
D(h6)	Φ 25	Φ 30	Φ 40	Φ 55	Φ 60
E	4	4	4	4	5
F	30	45	50	100	100
G	40	52	60	106	110
H	41	54	62	110	112
I	86	104	122	180	212
J	109	134	157	230	272(277)
K	194	237	280(300)	411	492(502)
L	71	83	108	141	170
M	M14 × 1.5	M14(M18) × 1.5	M18 × 1.5	M22 × 1.5	M27 × 2
N	M10	M10	M12	M16	M20
P				M16	M20
Q(h9)	8	8	12	16	18
R	Φ 100	Φ 125	Φ 155	Φ 198	Φ 230
S	142	172	200	340	420
T	M22 × 1.5	M33x2(进口Inlet M42x2 出口Outlet M33x2)	M42x2(进口Inlet M48x2 出口Outlet M42x2)	Φ 55	Φ 64(Φ 66)
U				Φ 64	Φ 76
X	294	362	420(440)	595	690(700)
Y	258	317	369(389)	533	629(639)
Z	50	66	74	100	100
EE	100	120	140	175	210
FF	279	342	404	449	515

A2F系列柱塞泵 A2F Series Piston Pump



型号说明 Model Code



型号 Type

定量泵 / 马达 Fixed displacement Pump/motor

A2F

规格 Size

排量 Displacement (Vgmin~Vgmax)

10	(9.4ml/r)
12	(11.6ml/r)
23	(22.7ml/r)
28	(28.1ml/r)
45	(44.3ml/r)
55	(54.8ml/r)
63	(63.0ml/r)
80	(80.0ml/r)
107	(107ml/r)
125	(125ml/r)
160	(160ml/r)
200	(200ml/r)
225	(225ml/r)
250	(250ml/r)
355	(355ml/r)
500	(500ml/r)

A2F	55	R	2	P	3
-----	----	---	---	---	---

后盖形式 Rear cover

后盖 Port Plate	1
后盖 Port Plate	2
后盖 Port Plate	3
后盖 Port Plate	4
后盖 Port Plate	5
后盖 Port Plate	6
后盖 Port Plate	7

轴伸 shaft End

平键 keyed shaft GB1096-79	P
花键 splines shaft DIN 5480	Z
花键 splines shaft GB 3478.1-83	S

系列 Series

系列 Series	1
系列 Series	2
系列 Series	3
系列 Series	4
系列 Series	5

规格 Size 10~160

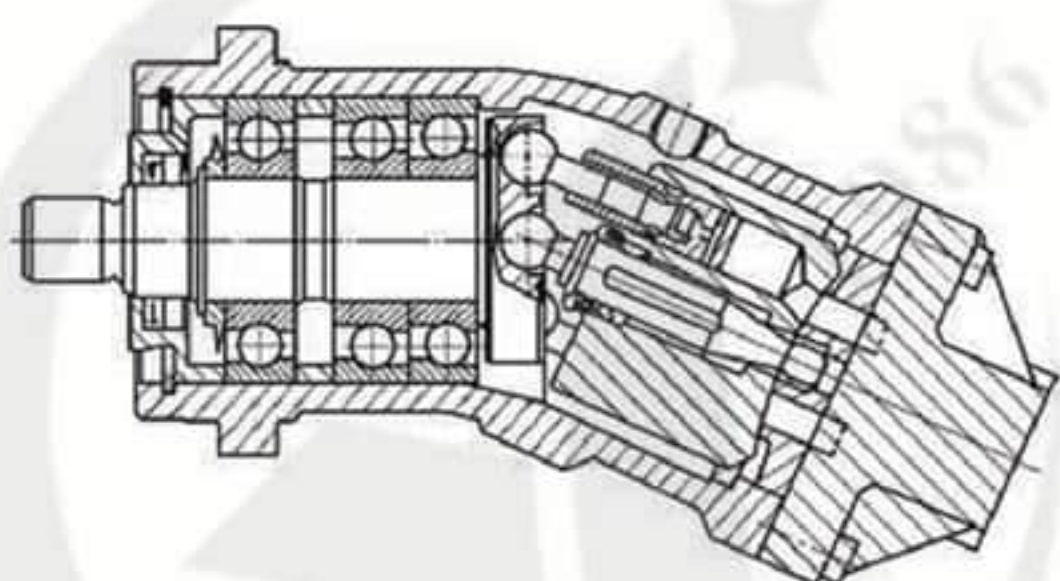
规格 Size 200~500

旋转方向 Direction of Rotation

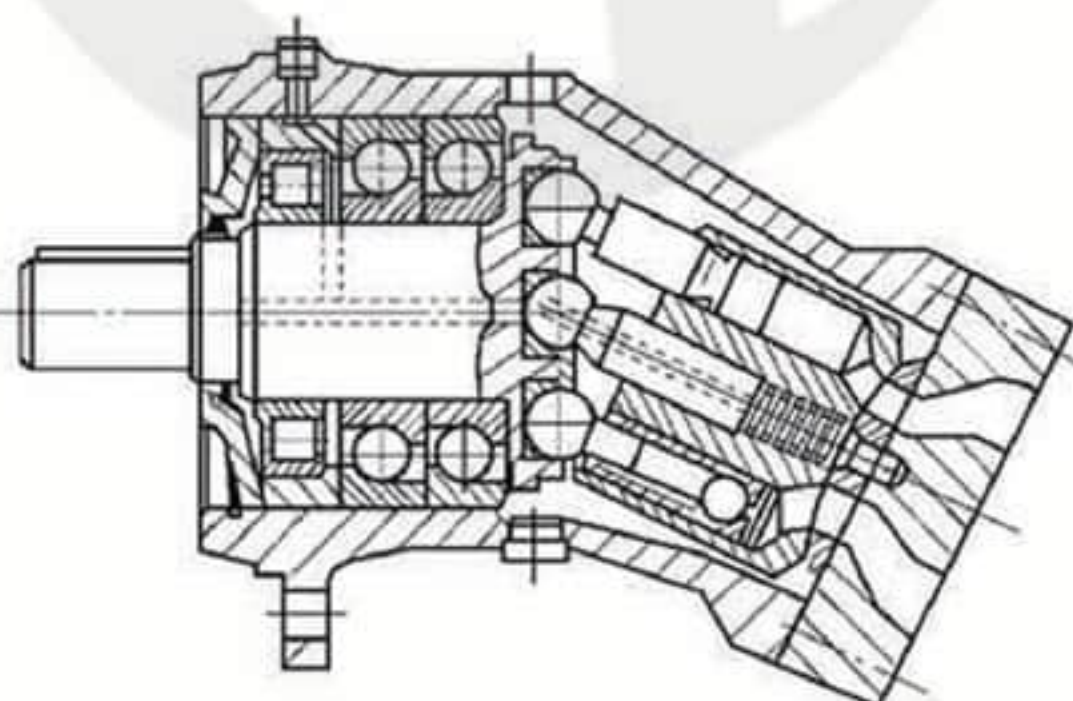
(从轴端看)	(Viewed on drive shaft)	
顺时针	Clock wise	R
逆时针	Anti-clock wise	L
双向	Alternating	W

(不适用于开式回路中的泵)
(not for pumps in open circuit)

Series 1-4, Size 10-160



Series 5, Size 200-500



后盖形式 Rear cover:

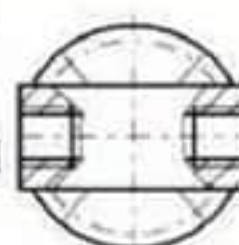
(规格 Size)

10~160

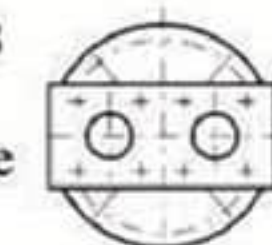
200~500

用于闭式
回路泵工
况和马达
工况
Used for
close
system
pump
/motor

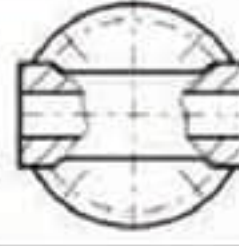
1. A,B
螺纹
Thread



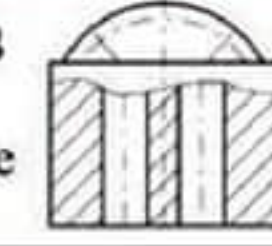
6. A,B
法兰
Flange



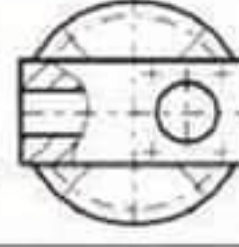
2. A,B
法兰
Flange



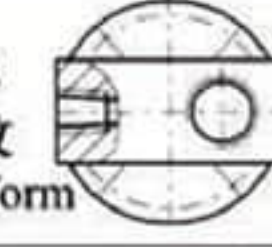
7. A,B
法兰
Flange



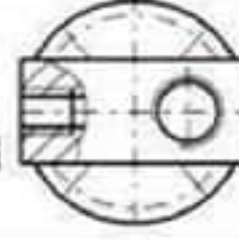
3. A,B
法兰
Flange



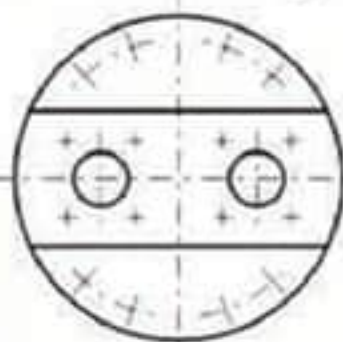
5. B,S
锥螺纹
Prick Worm



4. B,S
螺纹
Thread



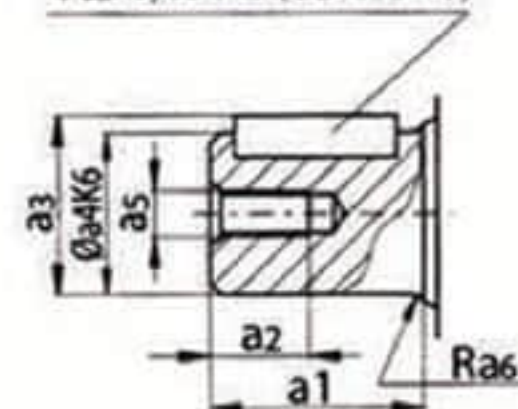
1. A,B 法兰
Flange



2. B,S 法兰
Flange



系列 Series 1,3,4



■ A2F定量柱塞泵/马达(1~5系列) A2F Fixed Displacement pump/motor(1~5 Series)
元件外形尺寸 系列1~4 规格10~160 Unit Dimension Series 1~4 Size 10~160

规格 $\alpha 20^\circ$	Size $\alpha 25^\circ$	系列 Series	后盖形式 Rear cover	A1		A2		A3		A4	A5	A6	A5'	A6'	A7	A8	A9	
				$\alpha 20^\circ$	$\alpha 25^\circ$	$\alpha 20^\circ$	$\alpha 25^\circ$	$\alpha 20^\circ$	$\alpha 25^\circ$								$\alpha 20^\circ$	$\alpha 25^\circ$
10	12	2,4	1,4	174	172	-	-	-	-	80	20	62	40	42	12.5	8	69	75
23	28	2,3	1,2,4	223	218	-	-	-	-	100	25	75	50	50	16	8	88	95
45	55	1,2	1,2,3,6	292	289	286	284	-	-	125	32	108	63	77	20	10	110	118
63	80	1,2	1,2,3	350	348	345	342	-	-	140	32	137	83	86	23	10	126	140
87	107	1,2	1,2,3,7	360	356	353	348	358	353	160	40	130	80	90	25	12	138	149
125	160	2	1,2,3,7	422	417	417	410	408	420	180	40	156	-	-	28	10	159	173.5

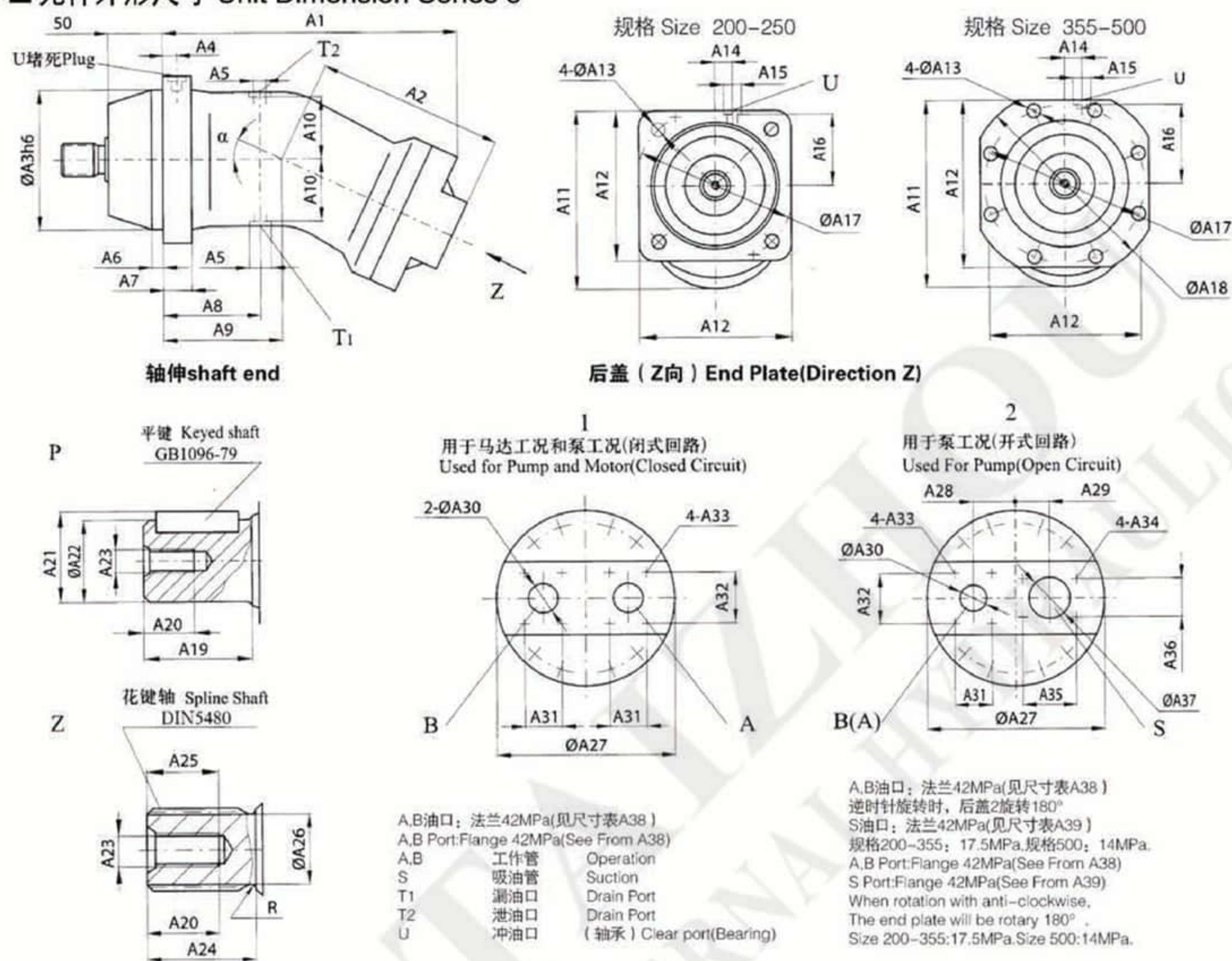
规格 $\alpha 20^\circ$	Size $\alpha 25^\circ$	A10	A11	A12	A13	A14	A15	A16	A17	A 18		A19	A20	B1	B2	B3	B4
										$\alpha 20^\circ$	$\alpha 25^\circ$						
10	12	14	M12×1.5	40	-	90	112	-	-	-	-	-	-	89	M22×1.5	14	40
23	28	25	M16×1.5	50	-	118	145	118	-	-	-	-	-	106	M27×2	16	47
45	55	31.5	M18×1.5	63	-	151	183	151	178	-	-	-	-	132	M33×2	18	53
63	80	36	M18×1.5	77	-	174	213	174	208	-	-	-	-	156	M42×2	20	63
87	107	40	M18×1.5	80	-	190	230	190	225	185	200	230	195	165	M42×2	20	66
125	160	45	M22×1.5	93	-	212	262	212	257	204	220	252	212	195	M48×2	22	70

规格 $\alpha 20^\circ$	Size $\alpha 25^\circ$	B5	B6	B7	B8	B9	Deep	B10	B11	B12	B13	B14	B15	Deep	B16	Deep	B17	B18	B19	B20
10	12	-	-	-	-	-	-	44.5	18	-	-	-	-	-	M33×2	18	42	-	-	-
23	28	120	13	18.2	40.5	M8	15	53	25	-	-	-	-	-	M42×2	20	48	-	-	-
45	55	126	19	23.8	50.8	M10	15	63	29	129	48	50	M10	13	-	-	-	67	20	-
63	80	150	25	27.8	57.1	M12	15	75	35.5	153	60	56	M12	15	-	-	-	-	-	-
87	107	160	25	27.8	57.1	M12	17	80	35.5	162.5	60	56	M12	18	-	-	-	-	-	25
125	160	190	32	31.8	66.7	M14	19	95	42.2	192.5	75	70	M16	20	-	-	-	-	-	39

规格 $\alpha 20^\circ$	Size $\alpha 25^\circ$	B21	Deep	B22	B23	C1	C2	C3	C4	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10
10	12	-	-	-	-	95	100	10	9	40	16	22.5	20	M6	0.8	34	2	22	16.7
23	28	-	-	-	-	118	125	12	11	50	19	27.9	25	M8	0.8	43	1.2	28	21.5
45	55	-	-	-	-	150	160	16	13.5	60	28	33	30	M12	1.5	35	1.5	28	25
63	80	-	-	-	-	165	180	16	13.5	70	28	38	35	M12	1.6	40	1.5	33	30
87	107	M12	25	50	78	190	200	20	17.5	80	28	43	40	M12	1.6	45	2	37.5	35
125	160	M12	25	50	78	210	224	20	17.5	90	36	48.5	45	M16	2.5	50	2.5	43	40

规格 $\alpha 20^\circ$	Size $\alpha 25^\circ$	SEA法兰 SEA Flang		平键Paralled		花键Splined Shaft		花键Splined Shaft		重量 Weight (kg)
		D1	D2	BG1096-79		DIN5480		GB3478-83		
10	12	-	-	键Key6×32		W20×1.25×14×9g		EXT14Z×1.25×30R×5f		5
23	28	1/2"	1/2"	键Key8×40		W25×1.25×18×9g		EXT18Z×1.25×30R×5f		12
45	55	3/4"	13/4"	键Key8×50		W30×2×14×9g		EXT14Z×2m×30R×5f		23
63	80	1"	2"	键Key10×56		W35×2×16×9g		EXT16Z×2m×30R×5f		33
87	107	1"	2"	键Key12×63		W40×2×18×9g		EXT18Z×2m×30R×5f		44
125	160	1 1/4"	2 3/4"	键Key14×70		W45×2×21×9g		EXT21Z×2m×30R×5f		63

■ 元件外形尺寸 Unit Dimension Series 5



■ 系列5 规格200-500元件外形尺寸表 Series 5 Size 200-500 Table of Unit Dimension

规格 Size	α	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15
200	21°	368	232	224	13	M22×1.5	9	25	120	134	107	300	252	22	70	M14×1.5
250	26.5°	370	232	224	13	M22×1.5	9	25	120	134	107	314	252	22	70	M14×1.5
355	26.5°	422	260	280	14	M33×2	15	28	142	160	128	380	335	18	35	M14×1.5
500	26.5°	462	283	315	15	M33×2	15	30	155	175	142	420	375	22	35	M18×1.5

规格 Size	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33
200	122	280	/	82	36	53.5	50k6	M16	58	47	45	216	55	45	32	31.8	66.7	M14
250	122	280	/	82	36	53.5	50k6	M16	58	47	45	216	55	45	32	31.8	66.7	M14
355	166	320	360	105	42	64	60m6	M20	82	69	55	245	60	50	40	36.6	79.4	M16
500	180	360	400	105	42	74.5	70m6	M20	82	67	62.5	270	65	55	40	36.6	79.4	M16

规格 Size	Deep	A34	Deep	R	A35	A36	A37	A38	A39	平键Paralled BG1096-79	花键Spline DIN5480	重量 Weight (kg)
200	22	M12	18	1.2	88.9	50.8	63	11/4"	2 1/2"	键Key14×80	W50×2×24×9g	88
250	22	M12	18	1.2	88.9	50.8	63	11/4"	2 1/2"	键Key14×80	W50×2×24×9g	88
355	24	M12	18	1.6	88.9	50.8	63	1 1/2"	2 1/2"	键Key18×100	W60×2×28×9g	138
500	24	M16	24	1.6	106.4	62	75	1 1/2"	3"	键Key20×100	W70×3×22×9g	185

A2FO(M)系列柱塞泵

A2FO(M) Series Piston Pump

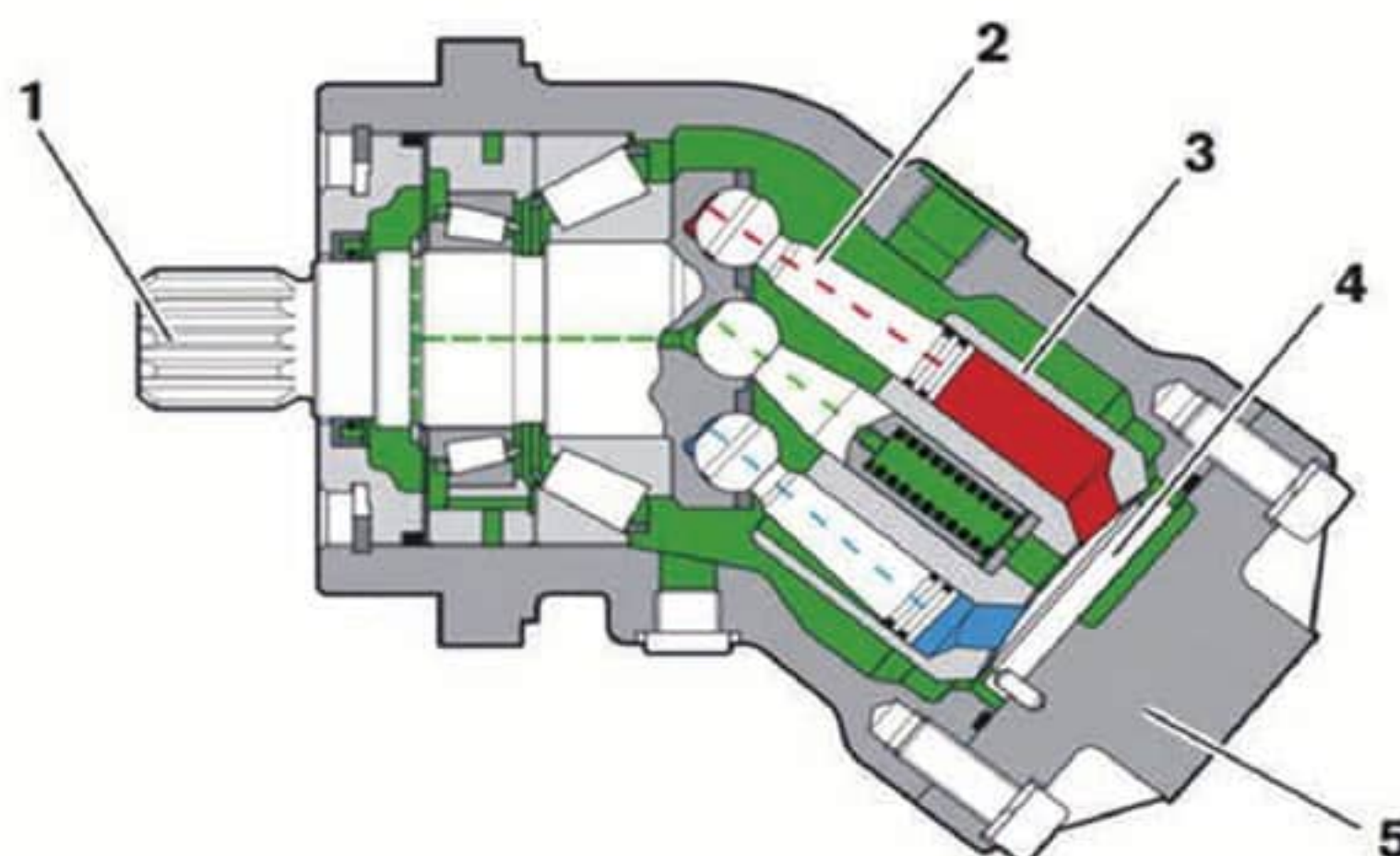


■ 型号说明 Model Code

A2F	O	28	/	6	1	R	—	V	P	B	05	
01	02	03		04	05	06		07	08	09	10	11

01	斜轴式结构, 定量柱塞单元 Bent-axis design, fixed																JA2F	
02	马达 Motor																M	
	泵 Pump																O	
03	排量 Displacement mL/r	10	12	16	23	28	32	45	56	63	80	90	107	125	160	180		
		√	√	√	√	√	√	√	√	√	√	√						
04	系列 Series																6	
05	标号 Index																1	
06	旋转方向 Directions of rotation		双向 bidirectional														W	
			正转 clockwise														R	
			反转 counter-clockwise														L	
07	密封 Seals		氟橡胶 FKM														V	
			丁腈橡胶 NBR														P	
08	轴伸 Drive shafts		10	12	16	23	28	32	45	56	63	80	90	107	125	160	180	
		花键轴 Splined shaft DIN 5480	√	√	√	√	√	√	√	√	√	√	√					A
			√	√		√	√		√	√		√						Z
		平键轴 Parallel keyed shaft DIN 6885	√	√	√	√	√	√		√	√	√	√					B
			√	√		√	√		√	√		√					P	
09	安装法兰 4 孔 Mounting flanges (ISO 4-hole)		10	12	16	23	28	32	45	56	63	80	90	107	125	160	180	
			√	√	√	√	√	√	√	√	√	√	√					B
10	后盖油口 Port plates		10	12	16	23	28	32	45	56	63	80	90	107	125	160	180	
		SAE 法兰油口 ; A 和 B 在后侧 Ports A and B SAE,at rear end				√	√	√	√	√	√	√	√					01
		SAE 法兰油口 ; A 和 B 在两侧, 相对 Ports A and B SAE,opposite side				√	√	√	√	√	√	√	√					02
		螺纹油口 ; A 和 B 在两侧, 相对 Ports A and B threads,opposite side	√	√	√	√	√	√										03
		螺纹油口 ; A 和 B 在两侧和后侧 Ports A and B threads, at side and rear end	√	√	√	√	√	√	√	√	√							04
		SAE 法兰油口 ; A/B 侧面 ; S 后面 SAE flange port, A/B at side and S at rear				√	√	√	√	√	√	√	√					05
		侧面螺纹油口 A/B 和后侧螺纹油口 S Threaded port, A/B at side and S at rear	√	√	√													06
11	阀 valves		无 Void (A2FO)															
			不带阀 without valves(A2FM)														0	

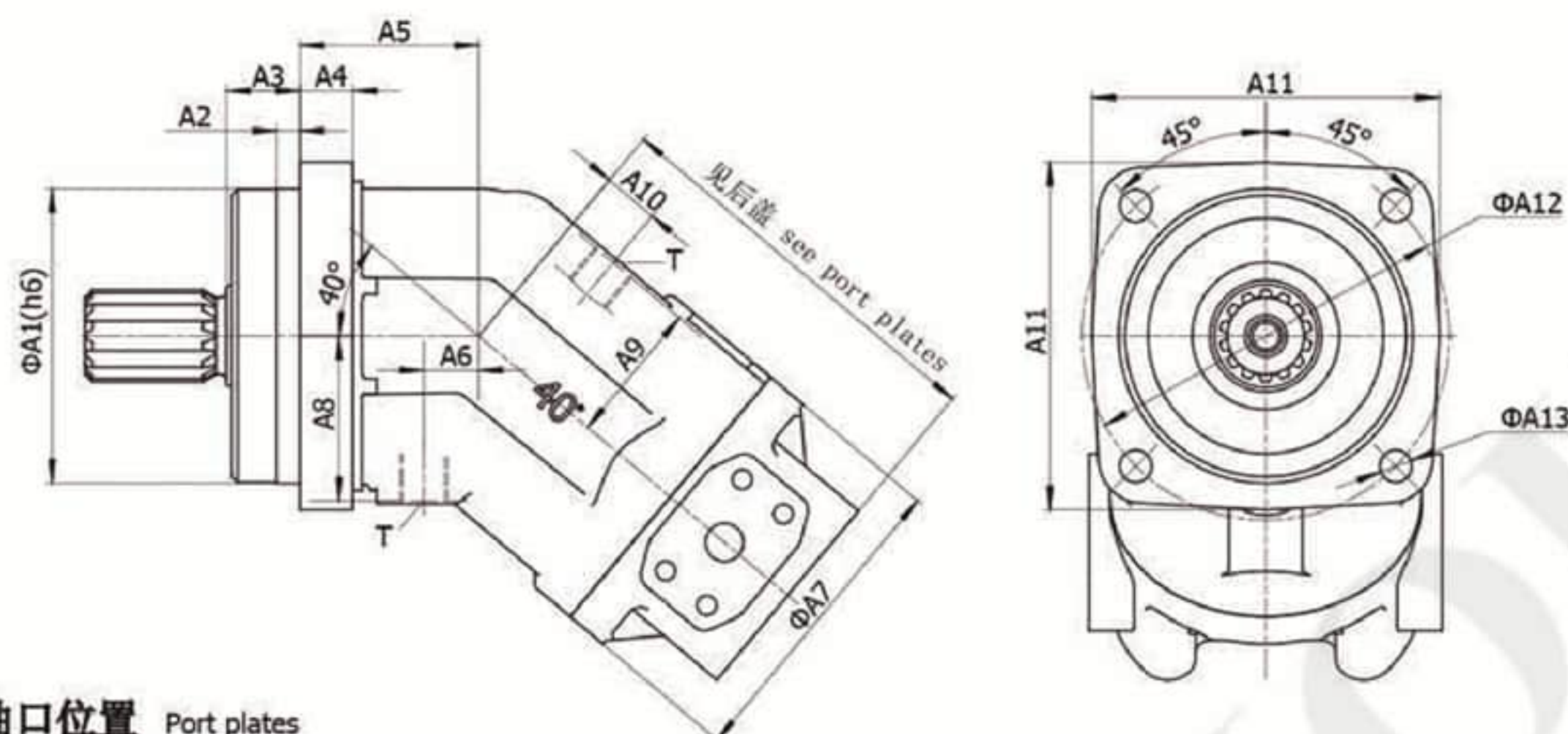
结构剖视 Construction



1. 传动轴 Drive shaft
2. 柱塞 Piston
3. 缸体 Cylinder

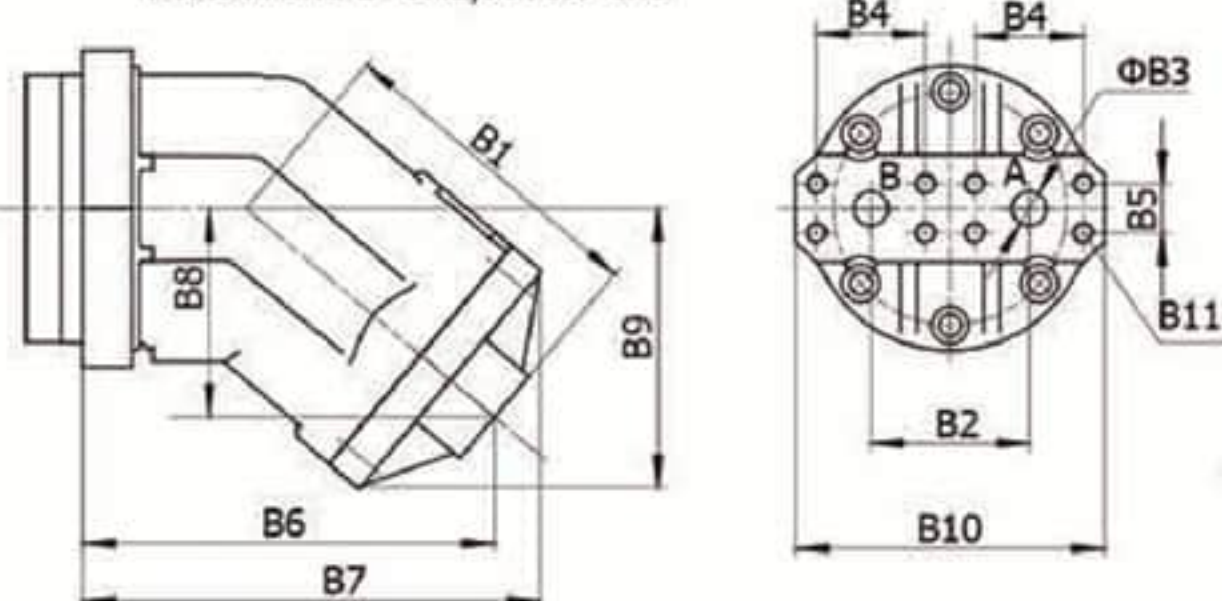
4. 配油盘 Control plate
5. 后盖 Port plate

■ 外形尺寸 Dimension

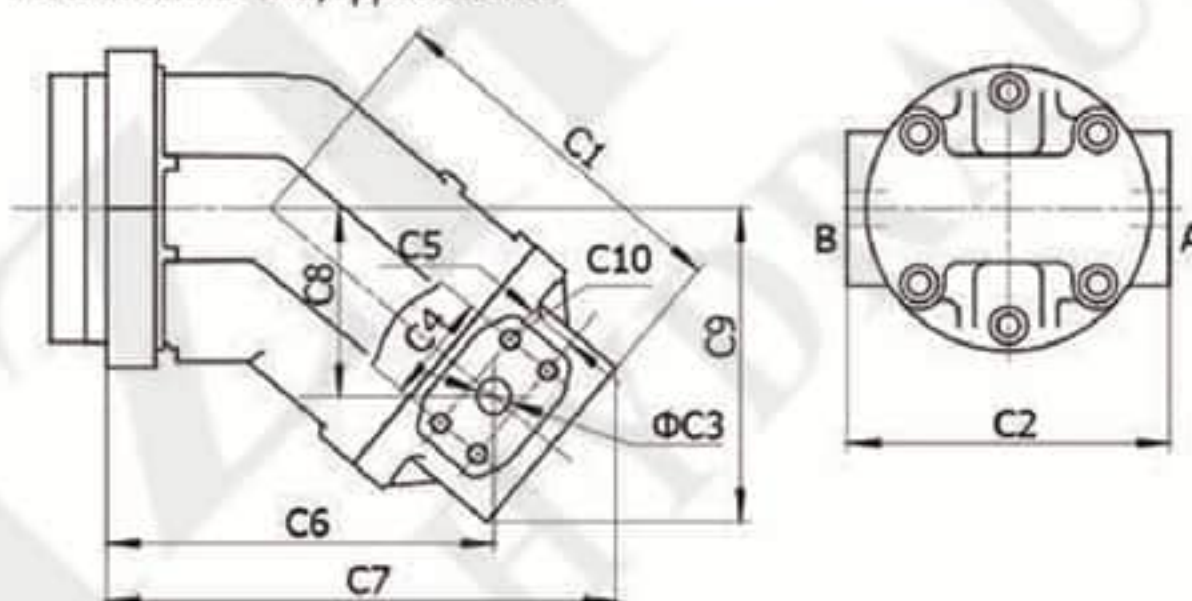


后盖油口位置 Port plates

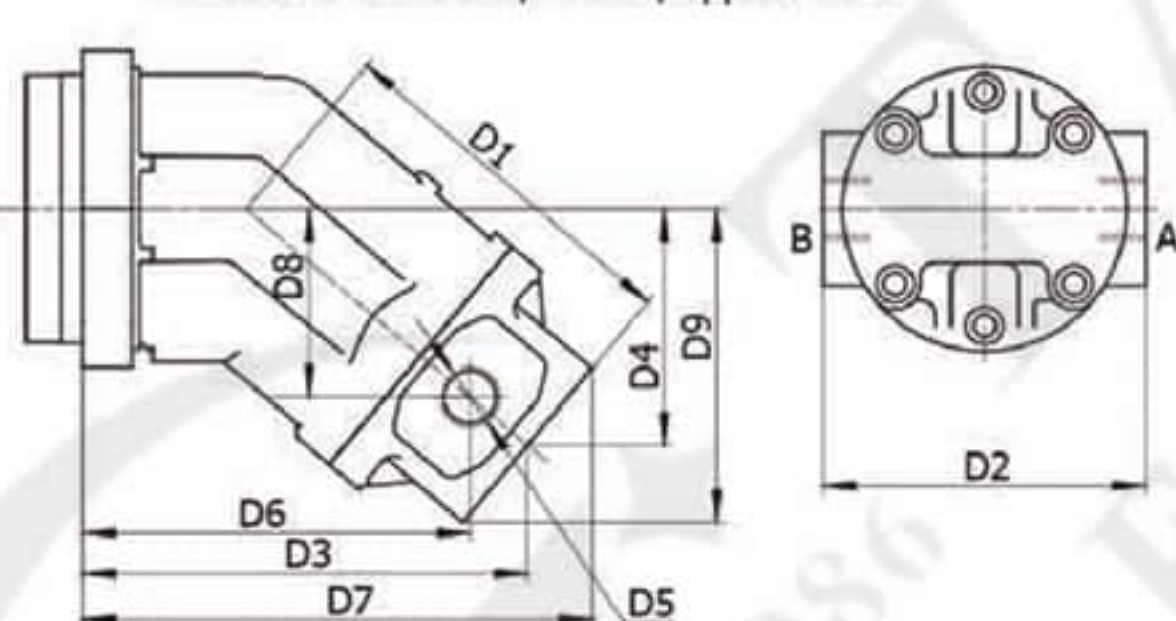
01 SAE法兰油口;A和B在后侧
Ports A and B SAE, at rear end



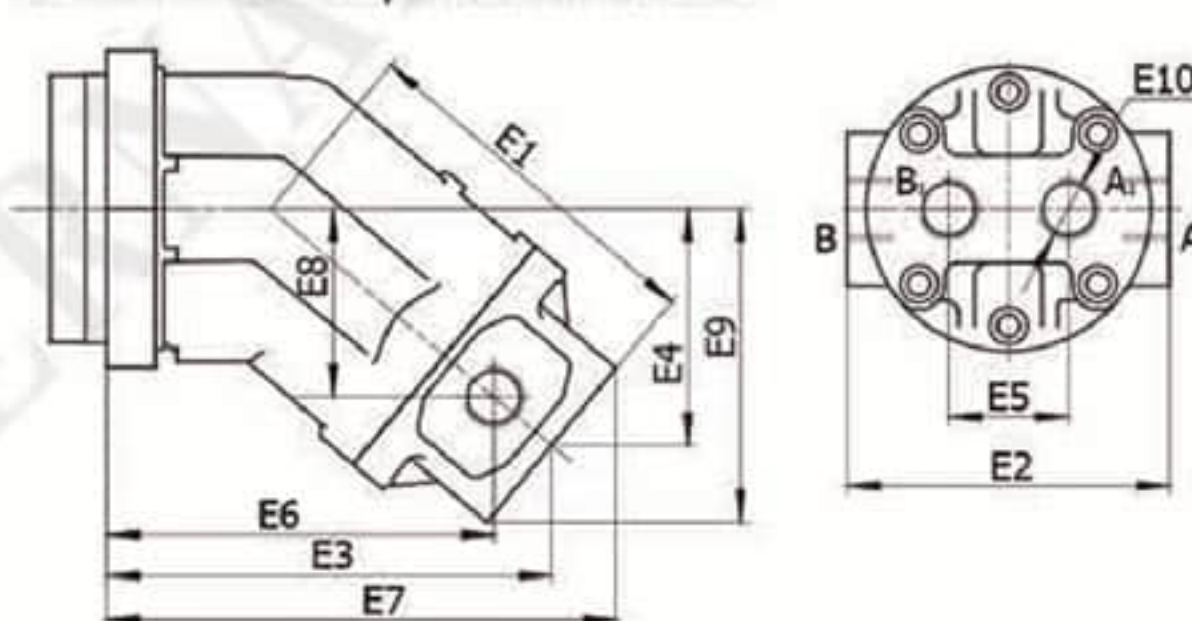
02 SAE法兰油口;A和B在两侧,相对
Ports A and B SAE, opposite side (Standard for Motor)



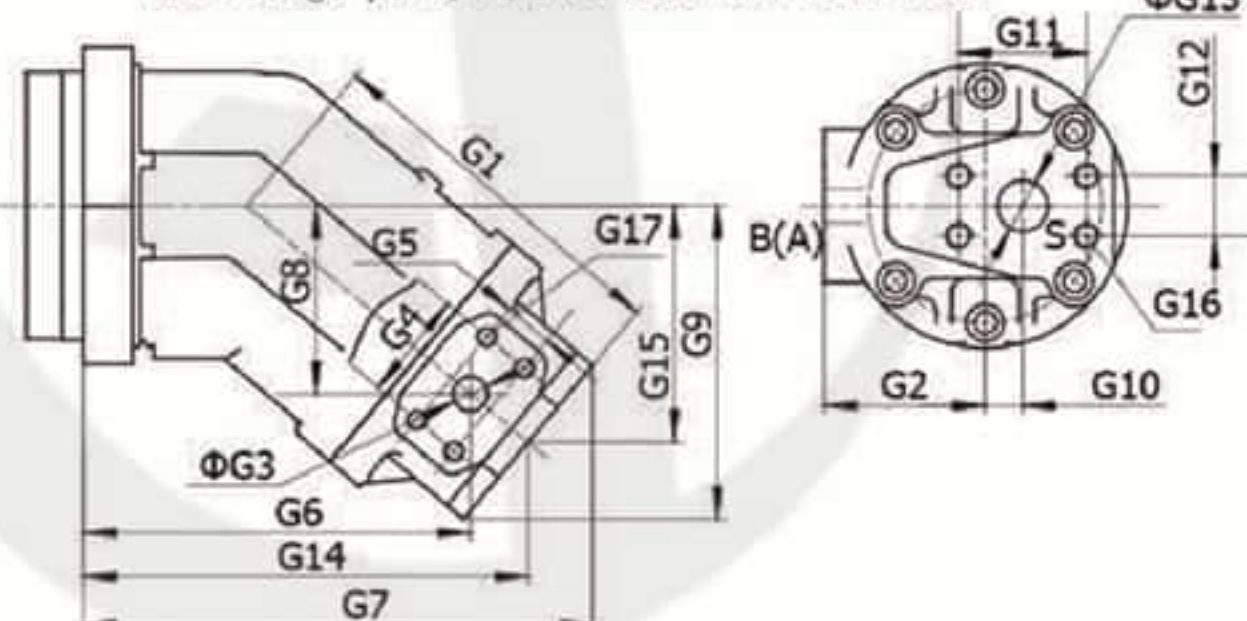
03 螺纹油口;A和B在两侧,相对
Ports A and B threads, at side, opposite side



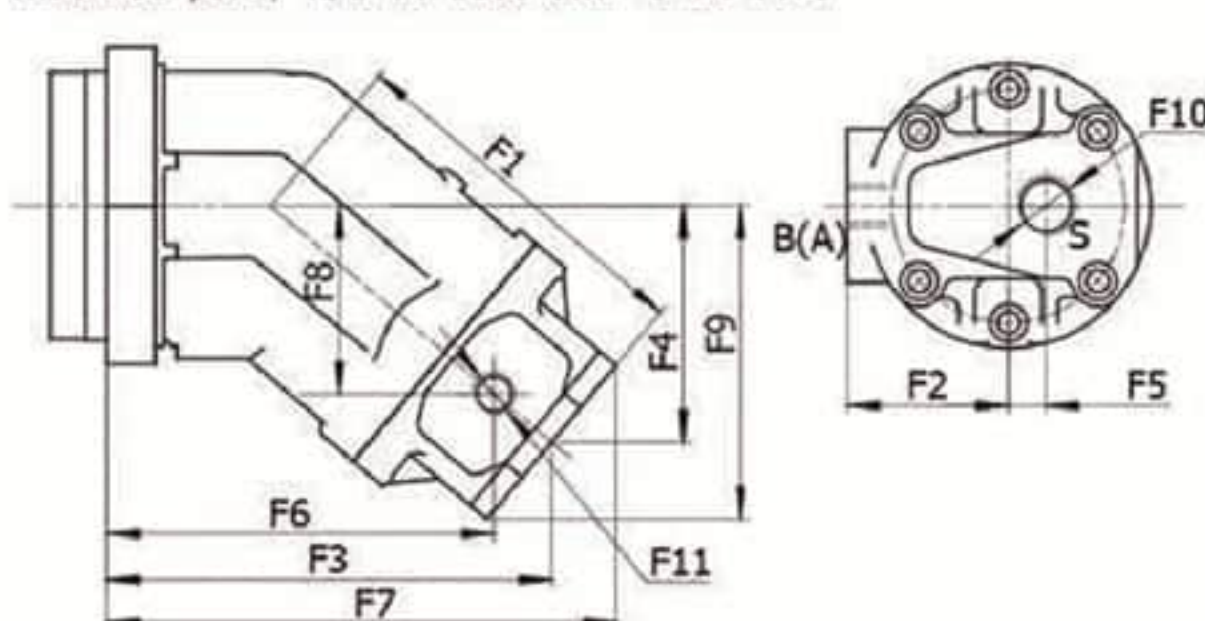
04 螺纹油口;A和B在两侧和后侧
Ports A and B threads, at side and rear end



05 SAE法兰油口;A/B侧面;S后面 (Standard for Pump)
SAE flange port, A/B at side and S at rear

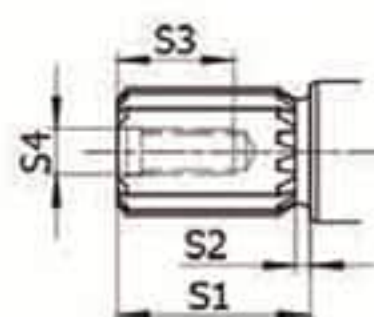


06 侧面螺纹油口 A/B 和后侧螺纹油口 S
Threaded port, A/B at side and S at rear

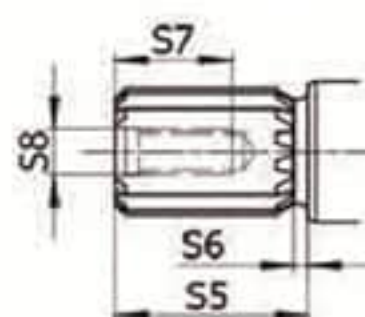


轴伸 Drive shafts

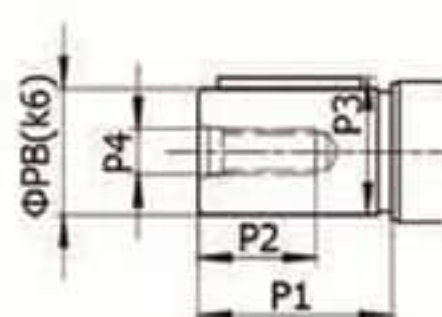
A 花键轴 DIN 5480
Splined shaft



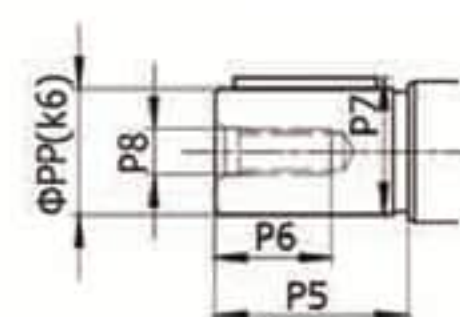
Z 花键轴 DIN 5480
Splined shaft



B 平键轴 DIN 6885
Parallel keyed shaft



P 平键轴 DIN 6885
Parallel keyed shaft



■ 外形尺寸 Dimension

规格 Size	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	T	B1	B2	B3	B4	B5
10,12,16	Φ80	6	20	12	64.5	5	Φ85	53.5	41.5	5	95	Φ100	Φ9	M12x1.5	/	/	/	/	/
23,28,32	Φ100	8	25	18	60.7	19	Φ106	55.5	48.5	19	118	Φ125	Φ11	M16x1.5	121	59	Φ13	40.5	18.2
45	Φ125	12	32	20	60.3	18	Φ118	63	52	18	150	Φ160	Φ13.5	M18x1.5	138	75	Φ19	50.8	23.8
56,63	Φ125	10	32	20	67.5	18	Φ128	70	56	18	150	Φ160	Φ13.5	M18x1.5	149.5	75	Φ19	50.8	23.8
80,90	Φ140	10	32	20	78.5	15	Φ138	83	61	15	165	Φ180	Φ13.5	M18x1.5	162.5	84	Φ25	57.2	27.8
107,125	Φ160	10	40	23	82.8	18	Φ150	85	67	18	190	Φ200	Φ17.5	M18x1.5	186.5	99	Φ32	66.7	31.8
160,180	Φ180	10	40	25	93	19.5	Φ180	95.5	77.5	19.5	210	Φ224	Φ17.5	M22x1.5	208	99	Φ32	66.7	31.8

规格 Size	B6	B7	B8	B9	B10	B11	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	D1	D2
10,12,16	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	108	85
23,28,32	153	173	78	106	115	M8;15 deep	137	120	Φ13	40.5	18.2	144	190	70	117	M8;15 deep	137	120
45	166	194	89	122	147	M10;17 deep	155	128	Φ19	50.8	23.8	155	207	80	133	M10;17 deep	/	/
56,63	182	206	96	130	147	M10;17 deep	166.5	136	Φ19	50.8	23.8	171	225	87	142	M10;17 deep	/	/
80,90	203	233	104.5	145	166	M12;17 deep	189.5	160	Φ25	57.2	27.8	196	257	99	162	M12;17 deep	/	/
107	225.5	252	120	159	194	M14;19 deep	222	178	Φ25	57.2	27.8	213	285	110	181	M12;17 deep	/	/
125	225.5	252	120	159	194	M14;19 deep	222	178	Φ32	66.7	31.8	213	285	110	181	M14;19 deep	/	/
160,180	252	294	134	188	194	M14;19 deep	233	202	Φ32	66.7	31.8	237	294	121	188	M14;19 deep	/	/

规格 Size	D3	D4	D5	D6	D7	D8	D9	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	G1
10,12,16	147	69.5	M22x1.5	130.5	166	55.5	91	108	85	147	69.5	34	130.5	166	55.5	91	M22x1.5	/
23,28,32	166	88	M27x2	144	190	70	117	137	120	166	88	58	144	190	70	117	M27x2	141
45	/	/	/	/	/	/	/	155	128	179	100	58	155	207	80	133	M33x2	158
56,63	/	/	/	/	/	/	/	166.5	136	195	107	58	171	225	87	142	M33x2	169.5
80,90	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	189.5
107,125	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	212
160,180	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	233

规格 Size	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	F1	F2
10,12,16	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	108	42.5
23,28,32	60	Φ13	40.5	18.2	144	193	70	120	14	47.6	22.2	Φ19	169	91	M10;17 deep	M8;17 deep	/	/
45	63.5	Φ19	50.8	23.8	155	206	80	132	20	52.4	26.2	Φ25	181	102	M10;17 deep	M10;17 deep	/	/
56,63	68	Φ19	50.8	23.8	171	225	87	142	23	52.4	26.2	Φ25	197	109	M10;17 deep	M10;17 deep	/	/
80,90	73	Φ25	57.2	27.8	196	255	99	160	25	58.7	30.2	Φ32	223.5	122	M10;17 deep	M12;17 deep	/	/
107	89	Φ25	57.2	27.8	213	275	110	173	20	69.9	35.7	Φ38	245	136	M12;20 deep	M12;17 deep	/	/
125	89	Φ32	66.7	31.8	213	275	110	173	20	69.9	35.7	Φ38	245	136	M12;20 deep	M14;19 deep	/	/
160,180	101	Φ32	66.7	31.8	237	294	121	188	15	69.9	35.7	Φ42	271	150	M12;20 deep	M14;19 deep	/	/

规格 Size	F3	F4	F5	F6	F7	F8	F9	F10	F11	A shaft	S1	S2	S3	S4	B shaft
10,12,16	147	69	16	130.5	167.5	55.5	93.5	M33x2	M22x1.5	W25x1.25x18x9g	28	6	22	M10	key 8x7x32
23,28,32	/	/	/	/	/	/	/	/	/	W30x2x14x9g	35	8	22	M10	key 8x7x40
45	/	/	/	/	/	/	/	/	/	W32x2x14x9g	35	8	28	M12	/
56,63	/	/	/	/	/	/	/	/	/	W35x2x16x9g	40	8	28	M12	key 10x8x50
80,90	/	/	/	/	/	/	/	/	/	W40x2x18x9g	45	8	36	M16	key 12x8x56
107,125	/	/	/	/	/	/	/	/	/	W45x2x21x9g	50	8	36	M16	key 14x9x63
160,180	/	/	/	/	/	/	/	/	/	W50x2x24x9g	55	11	36	M16	key 14x9x70

规格 Size	PB	P1	P2	P3	P4	Z shaft	S5	S6	S7	S8	P shaft	PP	P5	P6	P7	P8
10,12,16	Φ25	40	22	28	M10	W20x1.25x14x9g	34	12	16	M6	key 6x6x32	Φ20	40	16	22.5	M6
23,28,32	Φ30	50	22	33	M10	W25x1.25x18x9g	43	15	19	M8	key 8x7x40	Φ25	50	19	28	M8
45	/	/	/	/	/	W30x2x14x9g	35	8	28	M12	key 8x7x50	Φ30	60	28	33	M12
56,63	Φ35	60	28	38	M12	W30x2x14x9g	35	8	28	M12	key 8x7x50	Φ30	60	28	33	M12
80,90	Φ40	70	36	43	M16	W35x2x16x9g	40	8	28	M12	key 10x8x56	Φ35	70	28	38	M12
107,125	Φ45	80	36	48.5	M16	W40x2x18x9g	45	8	28	M12	key 12x8x63	Φ40	80	28	43	M12
160,180	Φ50	90	36	53.5	M16	W45x2x21x9g	50	8	36	M16	key 14x9x70	Φ45	90	36	48.5	M16

■ 型号说明 Model Code

A7V 160 LV 1 L P F 0 0

辅助元件Auxiliary equipment: 0—无none

行程限位Stroke limiter:

0—无none

M—机械行程限位mechanically adjustable(for LV and DR)

H—液压行程限位stroke limiter,hydraulic (for LV)

油口连接 Pipe connections:

F: 压力油口Pressure port— SAE法兰, 在侧面SAE flange, on side
吸油口 Suction port — SAE法兰, 在侧面SAE flange, on side

G: 压力油口Pressure port—螺纹连接, 在侧面threaded, on side
吸油口 Suction port — SAE法兰, 在侧面SAE flange, on side

轴伸 Shaft End: P—平键 keyed shaft GB1096-79

Z—花键 splined shaft DIN5480

S—花键 splined shaft GB3478.1-83

转向(从轴端看)Direction of rotation: R—顺时针clockwise; L—逆时针anti-clockwise

结构型式 Series: 规格Size 20-160 结构Series 1 规格Size 250-500 结构Series 5.1

变量方式 Control device:

LV—恒功率变量 Constant HP control MA—手动变量 Manual control

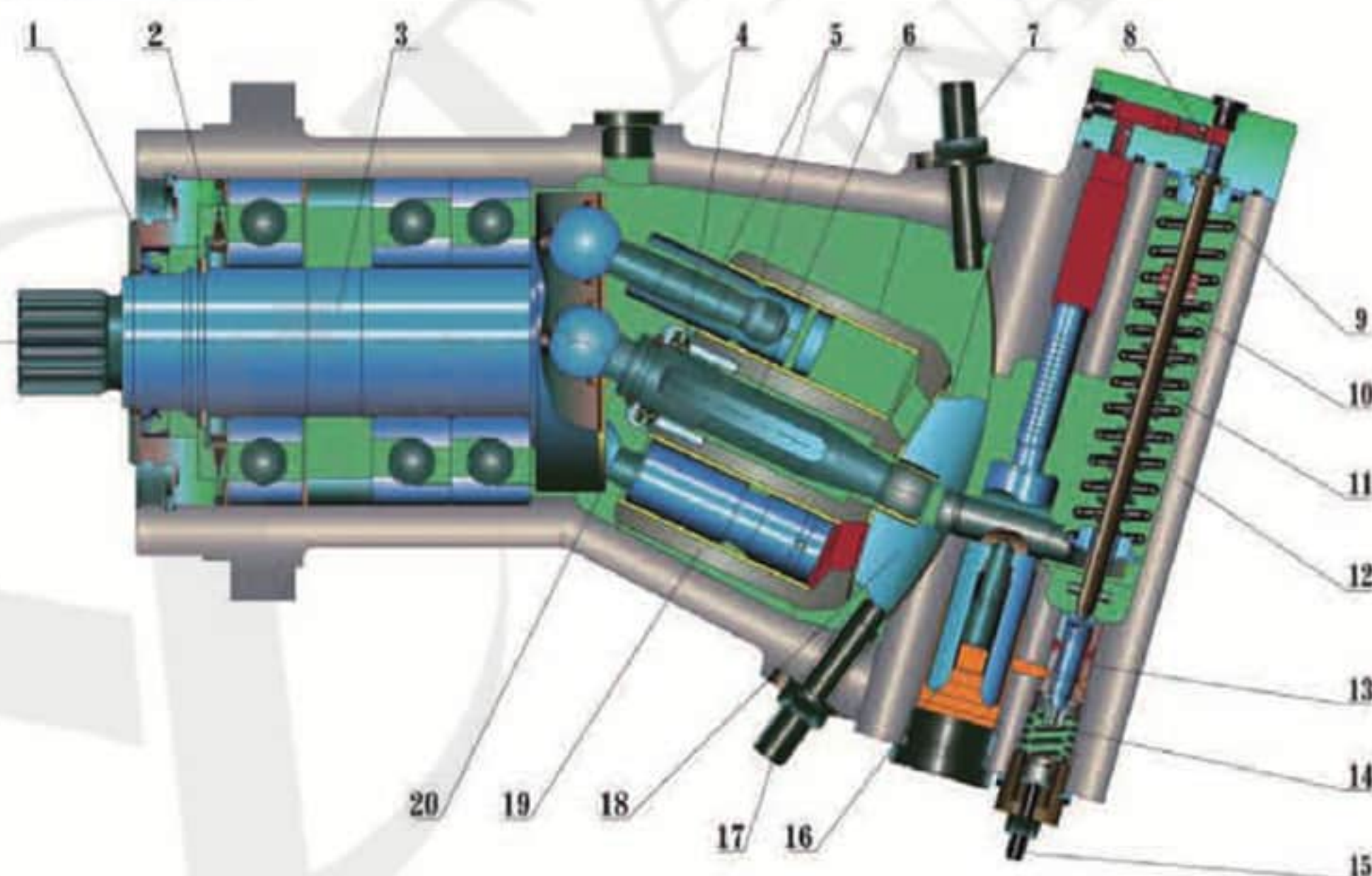
DR—恒压变量 Constant pressure control HD—液控变量 Hydraulic control

规格 Size: 20、28、40、55、58、80、78、107、117、160、250、355、500 ml/r

泵型号 Pump type: 斜轴式变量泵 Axial piston variable displacement pump



■ 结构剖视 Construction



1. 骨架油封 Oil seal kit

2. 端盖 Front cover

3. 主轴 Shaft

4. 蝶形弹簧 Dishing Spring

5. 柱塞组件 Piston

6. 中心轴 Center pin

7. 小流量限位螺钉 Limiter screw

8. 先导活塞 Pilot piston

9. 大功率弹簧 Bigger power spring

10. 小功率弹簧 Smaller power spring

11. 顶杆 Control rod

12. 变量壳体 Regulator housing

13. 伺服活塞组件 Assembly parts

14. 起始变量调节弹簧 Adjusting spring

15. 起始变量调节螺钉 Adjusting screw

16. 变量活塞 Flow piston

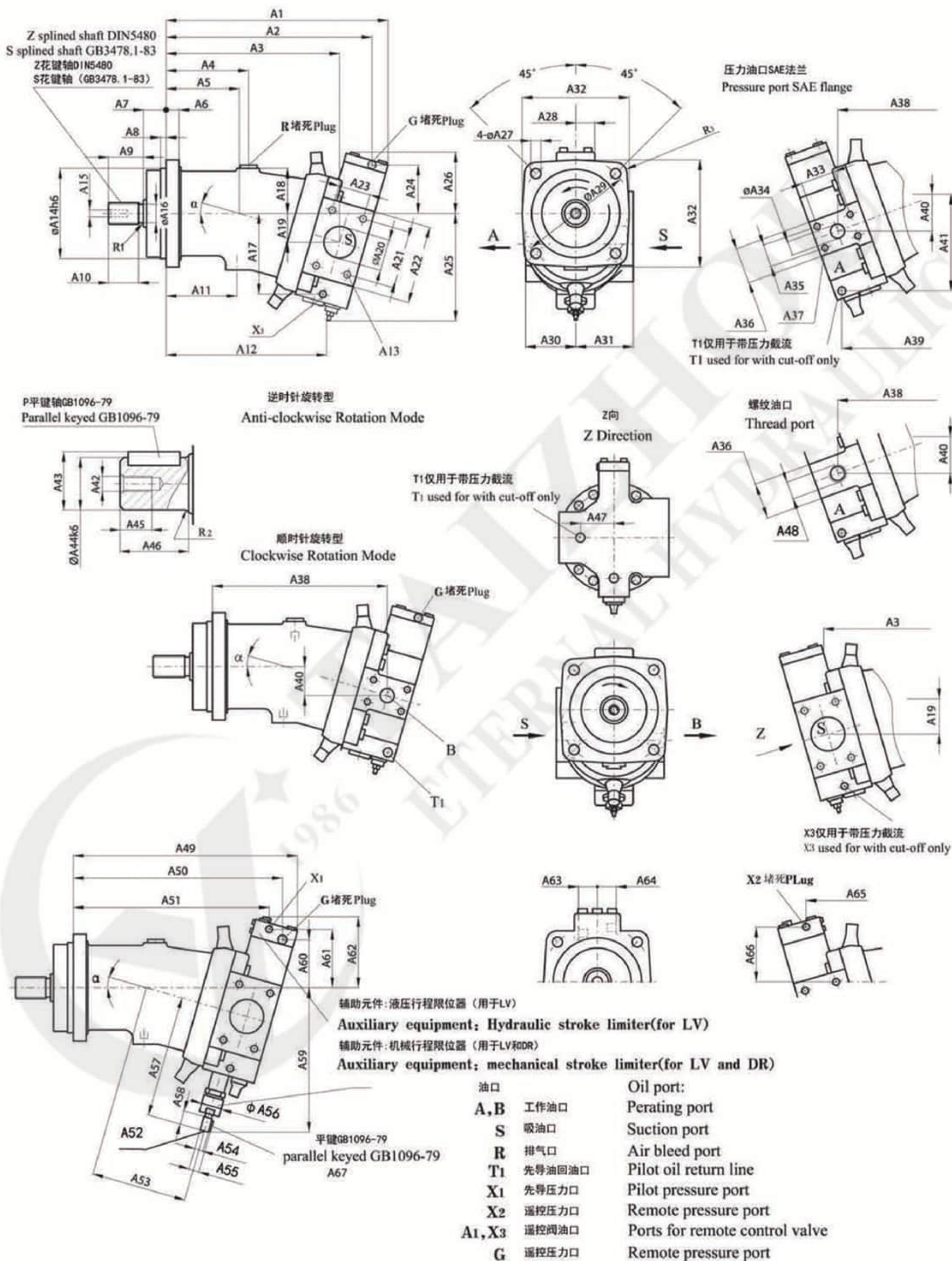
17. 大流量限位螺钉 Limiter screw

18. 配油盘 Port plate

19. 缸体 Cylinder block

20. 回程盘 Retainer

■ 外形尺寸 Dimension



A7V系列柱塞泵

A7V Series Piston Pump



■ 元件外形尺寸 系列1 规格20~160 Unit Dimension Series 1 Size 20~160

规格 size	α°	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	深 deep	A14	A15	A16	A17	A18	A19	A20
20	9	251	224	199	107	75	16	25	8	43	28	80	160	M12	20	100	M8	21.5	85	52	20	38
28	16	260	232	195	107	75	16	25	8	43	28	80	149	M12	20	100	M8	21.5	95	50	34	38
40	9	317	287	255	123	108	20	32	10	35	28	123	244	M12	20	125	M12	25	95	63	23	50
55	16	327	296	251	123	108	20	32	10	35	28	123		M12	20	125	M12	25		63	41	50
58	9	374	337	304	152	137	23	32	10	40	33	152	295	M12	18	140	M12	30	106	77	26.5	63
80	16	385	351	300	152	137	23	32	10	40	33	152		M12	18	140	M12	30		77	48	63
78	9	381	347	310	145	130	25	40	10	45	37.5	145	298	M12	17	160	M12	35	113	80	29	63
107	16	393	358	305	145	130	25	40	10	45	37.5	145		M12	17	160	M12	35		80	50	63
117	9	443	402	364	214	156	28	40	12	50	43	174.5	350	M16	24	180	M16	40	130	93	33	75
160	16	454	414	359	213	156	28	40	12	50	43	174.5		M16	24	180	M16	40		88	58	75

规格 size	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37	深 deep	A38	A39	A40	A41
20	69.9	94	35.7	78	132	95	11	23.5	125	58	58	118	50.8	19	23.8	46	M10	17	193		19	
28	69.9	94	35.7	59	145	80	11	23.5	125	58	58	118	50.8	19	23.8	46	M10	17	189		33	
40	77.8	102	42.9	87	166	109	13.5	29	160	71	81	150	50.8	19	23.8	53	M10	17	253	261	23	98
55	77.8	102	42.9	64	182	91	13.5	29	160	71	81	150	50.8	19	23.8	53	M10	17	249		40	
58	88.9	115	50.8	93	168	113	13.5	33	180	86	92	165	57.2	25	27.8	64	M12	18	301	313	26	109
80	88.9	115	50.8	68	194		13.5	33	180	86	92	165	57.2	25	27.8	64	M12	17	300		48	
78	88.9	115	50.8	101	180	120	17.5	34	200	89	93	190	57.2	25	27.8	64	M12	17	306	318	28	119
107	88.9	115	50.8	73	200	98	17.5	34	200	89	93	190	57.2	25	27.8	64	M12	17	301		49	
117	106.4	135	61.9	114	195	137	17.5	36	224	104	113	210	66.7	32	31.8	70	M14	19	359	369	32	136
160	106.4	135	61.9	83	212	112	17.5	36	224	104	113	210	66.7	32	31.8	70	M14	19	354		57	

规格 size	A42	A43	A44	A45	A46	A47	A48	A49	A50	A51	A52	深 deep	A53	A54	A55	A56	A57	A58	A59	A60	A61
20	M8	27.9	25	19	50	38	M27x2	257	226	230	M3	9	108	8	8.8	42	161	14	176	77	104
28	M8	27.9	25	19	50	38	M27x2	269	234	242	M3	9	108	8	8.8	42	161	14	186	58	84
40	M12	33	30	28	60	40	M33x2	323	290	279	M4	10	134	10	11.2		184	16	204	85	117
55	M12	33	30	28	60	40	M33x2	337	299	292	M4	10	134	10	11.2		184	16	215	62	98
58	M12	38	35	28	70	62	M42x2	378	344	330	M5	12	155.5	16	18	52	228	24	251	91	116
80	M12	38	35	28	70	62	M42x2	391	354	343	M5	12	155.5	16	18	52	228	24	265	65	91
78	M12	43	40	28	80	55	M42x2	385	352	338	M5	12	169	16	18	52	236	24	261	99	124
107	M12	43	40	28	80	55	M42x2	400	363	351	M5	12	169	16	18	52	236	24	276	71	98
117	M16	48.5	45	36	90	65	M48x2	445	408	384	M5	12.5	192	16	18	65	266	24	294	111	137
160	M16	48.5	45	36	90	65	M48x2	461	420	399	M5	12.5	192	16	18	65	266	24	310	79	108

规格 size	A62	A63	A64	A65	A66	平键 key A67 GB1096-79	平键 key GB1096-79	花键 spline DIN5480	花键 spline GB3478.1-83	R1	R2	R3
20	129	35	30	228	92	键 2x10	键 8x40	W25x1.25x18x9g	EXT18Zx1.25mx30Rx5f	1.2	0.8	12
28	114	35	30	238	73	键 2x10	键 8x40	W25x1.25x18x9g	EXT18Zx1.25mx30Rx5f	1.2	0.8	12
40	147	30	30	276	104	键 3x10	键 8x50	W30x2x14x9g	EXT14Zx2mx30Rx5f	1.6	1.5	16
55	128	30	30	288	83	键 3x10	键 8x50	W30x2x14x9g	EXT14Zx2mx30Rx5f	1.6	1.5	16
58	142	33	33	328	104	键 5x16	键 10x56	W35x2x16x9g	EXT16Zx2mx30Rx5f	1.6	1.6	16
80	120	33	33	339	80	键 5x16	键 10x56	W35x2x16x9g	EXT16Zx2mx30Rx5f	1.6	1.6	16
78	150	33	33	336	112	键 5x16	键 12x63	W40x2x18x9g	EXT18Zx2mx30Rx5f	2.5	1.6	20
107	126	33	33	348	86	键 5x16	键 12x63	W40x2x18x9g	EXT18Zx2mx30Rx5f	2.5	1.6	20
117	164	34	34	382	125	键 5x16	键 14x70	W45x2x21x9g	EXT21Zx2mx30Rx5f	2.5	2.5	20
160	137	34	34	396	96	键 5x16	键 14x70	W45x2x21x9g	EXT21Zx2mx30Rx5f	2.5	2.5	20

规格 size	X1、X2	A1、X3	T	T1	R	G	A、B	S	重量 weight Kg
20	M14x1.5	M12x1.5	M12x1.5	M12x1.5	M16x1.5	M14x1.5	SAE3/4" or M27x2	SAE1 1/2"	19
28	M14x1.5	M12x1.5	M12x1.5	M12x1.5	M16x1.5	M14x1.5	SAE3/4" or M27x2	SAE1 1/2"	19
40	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE3/4" or M33x2	SAE2"	28
55	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE3/4" or M33x2	SAE2"	28
58	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE1" or M42x2	SAE2 1/2"	44
80	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE1" or M42x2	SAE2 1/2"	44
78	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE1" or M42x2	SAE2 1/2"	53
107	M14x1.5	M18x1.5	M12x1.5	M18x1.5	M18x1.5	M14x1.5	SAE1" or M42x2	SAE2 1/2"	53
117	M14x1.5	M20x1.5	M12x1.5	M18x1.5	M22x1.5	M14x1.5	SAE1 1/4" or M48x2	SAE3"	76
160	M14x1.5	M20x1.5	M12x1.5	M18x1.5	M22x1.5	M14x1.5	SAE1 1/4" or M48x2	SAE3"	76

型号说明 Model Code

A4VS O 40 DR / 10 R - P Z B 13 NOO										40 71 125 180 250 355 500						
变量泵, 斜盘结构 Variable displacement pump, swashplate design										★ ★ ★ ★ ★ ☆ ☆						
泵, 开式回路 Pump, open circuits										★ ★ ★ ★ ★ ☆ ☆						
排量 Displacement Vg max(ml/r) 40 71 125 180 250 355 500										★ ★ ★ ★ ★ ☆ ☆						
控制方式: Controller										40 71 125 180 250 355 500						
DR-恒压控制 Constant pressure control										★	★	★	★	★	☆	☆
LR-按双曲线变化的功率控制 Constant horsepower control										☆	★	★	★	★	☆	☆
M-手动控制 Manual control										★	★	★	★	★	☆	☆
EC-电气比例控制 Electrical control										★	★	★	★	★	☆	☆
HD-液压控制 Hydraulic control, pressure control										☆	☆	☆	☆	☆	☆	☆
系列号 Series										★	★	-	-	-	-	10
										-	-	★	★	★	☆	22
										-	-	★	★	★	☆	30
旋转方向 Direction of Rotation										从轴端看 顺时针 clockwise R With view on shaft end 逆时针 counterclockwise L						
无辅助泵, 无通轴驱动 without auxiliary pump and through drive										★	★	★	★	★	☆	☆
带通轴驱动, 组合用泵 with through drive for combination pump										★	★	★	★	★	☆	☆
轴套/轴 Fub/shaft 可连接泵型号 to accept										W32x2x30x14x9g A4VSO/G 40 W40x2x30x18x9g A4VSO/G 71 W50x2x30x24x9g A4VSO/G 125 W50x2x30x24x9g A4VSO/G 180 W50x2x30x28x9g A4VSO/G 250						
带同轴驱动, 无轴套, 带盖板 With through drive, with cover closed										☆	☆	☆	☆	☆	☆	☆
工作油口 service line connections										辅助油口B1为螺纹连接 auxiliary pressure port B1 Metric fixing screws 辅助油口B1为法兰连接 pressure connection B1 connected by flanged						
										★	★	★	★	★	☆	☆
安装法兰 Mounting Flange										ISO 4 孔 hole ISO 8 孔 hole						
										★	★	★	★	★	☆	-
										-	-	-	-	-	☆	H
轴伸 shaft end										平键 Gb1096-79 Keyed shaft P 花键 DIN5480 Splined shaft Z						
密封件 seals										丁腈橡胶 NBR(Nitrile Rubber) P 氟橡胶 FBR(Fluoro-rubber) V						

订货示例

A4VS、40、DR、10、R、P、Z、B、13、NOO

A4VS 变量泵, 规格 40, 恒压控制, 10 系列, 顺时针旋转平键 P, 安装法兰为 4 孔, 辅助油口 B1 为螺纹连接, 无辅助泵无通轴驱动

• Ordering Example:

A4VS、40、DR、10、R、P、Z、B、13、NOO

Axial piston variable displacement pump A4VS, size 40, with constant pressure control, series 10, clockwise rotation, Keyed shaft, auxiliary pressure port B1 Metric fixing series, without Auxiliary equipment.

A10V系列柱塞泵

A10V Series Piston Pump



■ 型号说明 Model Code



A10V(S)	O	28	DR	/	31	R	-	P	S	C	62	N00
---------	---	----	----	---	----	---	---	---	---	---	----	-----

泵型号：变量泵；斜盘式结构

Model Variable pump,Swashplate design

额定压力 280bar

Rated pressure 280bar

峰值压力 350bar

Peak pressure 350bar

运行模式：泵，开式回路

Mode of operation: Pump,Circuit

规格排量：18、28、45、71、100、140(ml/r)

Displacement 18.28.45.71.100.140(ml/r)

控制方式：

Controller 18 28 45 71 100 140

DG— 两位控制 Two point,direct control						
DR— 恒压控制 Pressure control	✓	✓	✓	✓	✓	✓
DRG— 远程恒压控制 Remote pressure control	✓	✓	✓	✓	✓	✓
DFR— 压力 / 流量控制 Pressure and flow control	✓	✓	✓	✓	✓	✓
DFR1— 压力 / 流量控制，X 口关闭 Pressure and flow control Orifice in X-channel closed	✓	✓	✓	✓	✓	✓
DFLR— 压力 / 流量 / 功率控制 Pressure,flow,torque control		✓	✓	✓	✓	✓

产品系列：31 系列；

Series 31 Series

转向（从轴端看）：R— 顺时针 Clockwise

Direction of Rotation L— 逆时针 Anti-clockwise

密封件：P— 丁腈橡胶 Perbunan

Seals V 氟橡胶 Viton

油口型式：

Port for service lines 18 28 45 71 100 140

11— 后面 SAE, 公制螺纹 SAE flange rear, fixing thread metric		✓	✓	✓	✓	
61SAE,UNC SAE flange rear, fixing thread UNC		✓	✓	✓	✓	
12— 两侧 SAE, 公制螺纹 SAE flange on opposite side,fixing thread metric	✓	✓	✓	✓	✓	✓
62SAEUNC SAE flange on opposite side,fixing thread UNC	✓	✓	✓	✓	✓	✓
41(91)— 后面 SAE, 公制 (UNC) 螺纹 SAE flange rear, fixing thread metric(UNC)				✓		
42(92)— 两侧 SAE, 公制 (UNC) 螺纹 SAE flange on opposite side,fixing thread metric(UNC)				✓		

安装法兰：

Mounting flange 18 28 45 71 100 140

A—ISO 两孔 ISO 2-hole	✓	✓	✓	✓	✓	
C—SAE 两孔 SAE 2-hole	✓	✓	✓	✓	✓	
B—ISO 四孔 ISO 4-hole						✓
D—SAE 四孔 SAE 4-hole						✓

轴端型式：

Shaft end 18 28 45 71 100 140

P— 公制平键 Metric parallel with key	✓	✓	✓	✓	✓	✓
S—SAE 花键 SAE splined	✓	✓	✓	✓	✓	✓
R—SAE 花键 (较高通轴驱动扭矩) SAE splined (higher through drive torque)	✓	✓	✓	✓		
K—SAE 平键 SAE parallel with key	✓	✓	✓	✓	✓	✓
U—SAE 小花键 SAE splined,reduced dia. not for through drive	✓		✓		✓	
W—SAE 小花键 (较高不通轴驱动扭矩) Similar to shaft "U", higher input torque, not for through drive			✓		✓	

■ 型号说明 Model Code

通轴型式:

With through drive to accept an axial piston pump or a gear pump

18 28 45 71 100 140

不通轴 Without through drive				✓	✓	✓	✓	✓	✓	N00
安装法兰 Mounting flange	轴 / 轴套 Shaft/coupling	用于安装 For the mounting of								
ISO 80,2 hole	3/4"	19-4(SAE A-B)	HA10VSO10-18(shaft S or R)	✓	✓	✓	✓	✓	✓	KB2
ISO 100,2 hole	7/8"	22-4(SAE B)	HA10VSO28(shaft S or R)		✓	✓	✓	✓	✓	KB3
ISO 100,2 hole	1"	25-4(SAE B-B)	HA10VSO45(shaft S or R)			✓	✓	✓	✓	KB4
ISO 125,2 hole	1 1/4"	32-4(SAE C)	HA10VSO71(shaft S or R)				✓	✓	✓	KB5
ISO 125,2 hole	1 1/2"	38-4(SAE C-C)	HA10VSO100(shaft S)					✓	✓	KB6
ISO 180,4 hole	1 3/4"	44-4(SAE D)	HA10VSO140(shaft S)						✓	KB7
SAE 82-2,2 hole	5/8"	16-4(SAE A)	HA10VSO10-18(shaft U),1PF2G2,PGF2	✓	✓	✓	✓	✓	✓	K01
SAE 82-2, 2 hole	3/4"	19-4(SAE A-B)	HA10VSO10-18(shaft S or R)	✓	✓	✓	✓	✓	✓	K52
SAE 101-2, 2 hole	7/8"	22-4(SAE B)	1PF2G3		✓	✓	✓	✓	✓	K02
SAE 101-2, 2 hole	7/8"	22-4(SAE B)	HA10VSO28(shaft S or R),PGF3		✓	✓	✓	✓	✓	K68
SAE 101-2, 2 hole	1"	25-4(SAE B-B)	HA10VSO45(shaft S or R),PGH4			✓	✓	✓	✓	K04
SAE 127-2, 2 hole	1 1/4"	32-4(SAE C)	HA10VSO71(shaft S or R)				✓	✓	✓	K07
SAE 127-2,2 hole	1 1/2"	38-4(SAE C-C)	HA10VSO100(shaft S),PGH5					✓	✓	K24
SAE 152-4,4 hole	1 3/4"	44-4(SAE D)	HA10VSO140(shaft S)						✓	K17
ISO 80-2	带键轴 Φ18			✓	✓	✓	✓	✓	✓	K51
SAE A 82-2	带键轴 Φ19.05			✓	✓	✓	✓	✓	✓	K40
ISO 100-2	带键轴 Φ22				✓	✓	✓	✓	✓	K25
SAE B 101-2	带键轴 Φ22.225				✓	✓	✓	✓	✓	K03
ISO 100-2	带键轴 Φ25					✓	✓	✓	✓	K26
SAE B 101-2	带键轴 Φ25.4					✓	✓	✓	✓	K05
ISO 125-2	带键轴 Φ32						✓	✓	✓	K27
SAE B 127-2	带键轴 Φ31.75						✓	✓	✓	K08
ISO 125-2	带键轴 Φ40							✓	✓	K37
SAE C 127-2	带键轴 Φ38.1							✓	✓	K38
ISO 180-4	带键轴 Φ45								✓	K59
SAE B 152-4	带键轴 Φ44.45								✓	K21

A10V系列柱塞泵

A10V Series Piston Pump



■ 型号说明 Model Code

A10VS 0 71 DR / 32 R - V P B 22U 99

泵型号: 变量泵;斜盘式结构

Model Variable pump, Swashplate design

额定压力280bar

Rated pressure 280bar

峰值压力350bar

Peak pressure 350bar

运行模式: 泵, 开式回路

Mode of operation Pump, open circuit

规格排量: 45、71、100、140、180 (ml/r)

Displacement 45、71、100、140、180 (ml/r)

控制方式:

Controller 45 71 100 140 180

DG—两位控制 Two point, direct control					
DR—恒压控制 Pressure control	✓	✓	✓	✓	
DRG—远程恒压控制 Remote pressure control	✓	✓	✓	✓	
DRF (DFR)—压力/流量控制, X-T开启 Pressure and flow control X-T open	✓	✓	✓	✓	
DRS (DFR1)—压力/流量控制, X-T关闭 Pressure and flow control X-T closed	✓	✓	✓	✓	
LAXD(G)—压力/功率控制 Power control with pressure cut off					
X 控制初始值 Beginning of power control					
LA5D below 50bar	✓	✓	✓	✓	
LA6D from 51 to 90 bar					
LA7D from 91 to 160 bar					
LA8D from 160 to 240 bar					
LA9D over 240 bar					
LAXDS—压力/流量/功率控制 Pressure, flow, power control	✓	✓	✓	✓	
LAXS—流量/功率控制 Power and flow control	✓	✓	✓	✓	

通轴型式:

With through drive to accept an axial piston pump or a gear pump

不通轴

Without through drive

不能直接传动, 带通轴传动轴, 不带联接套, 不带适配器法兰, 带正确闭合的护盖

Without through drive, with shaft for through drive, without shaft coupler, without adapter flange, closed with cover

安装法兰 Mounting flange	轴/轴套 Shaft/coupling	用于安装 For the mounting of	45	71	100	140	180	
ISO 80, 2 hole	3/4 in 11T 16/32DP	10, 18 series 52/31 (shaft S or R)	✓	✓	✓	✓		B2
ISO 100, 2 hole	7/8 in 13T 16/32DP	28 series 31 (shaft S or R)	✓	✓	✓	✓		B3
	1 in 15T 16/32DP	45 series 31 (shaft S or R)	✓	✓	✓	✓		B4
ISO 125, 4 hole	1 in 15T 16/32DP	45 series 32 (shaft S or R)	✓	✓	✓	✓		E1
ISO 160, 4 hole	1 1/4 in 14T 12/24DP	71 series 32 (shaft S or R)		✓	✓	✓		B8
ISO 180, 4 hole	1 1/2 in 17T 12/24DP	100 series 32 (shaft S)			✓	✓		B9
	1 3/4 in 13T 8/16DP	140 series 32 (shaft S)				✓		B7
SAE 82-2, 2 hole	5/8 in 9T 16/32DP	External gear pump F(5 to 22)	✓	✓	✓	✓		01
	3/4 in 11T 16/32DP	10, 18 series 52/31 (shaft S)	✓	✓	✓	✓		52
SAE 101-2, 2 hole	7/8 in 13T 16/32DP	28 series 31 (shaft S or R)	✓	✓	✓	✓		68
	1 in 15T 16/32DP	45 series 31 (shaft S or R)	✓	✓	✓	✓		04
SAE 127-4, 4 hole	1 in 15T 16/32DP	45 series 32 (shaft S or R)	✓	✓	✓	✓		E2
	1 1/4 in 14T 12/24DP	71 series 32 (shaft S or R)		✓	✓	✓		15
SAE 127-2, 2 hole	1 1/2 in 17T 12/24DP	100 series 31 (shaft S)			✓	✓		24
SAE 152-4, 4 hole	1 1/2 in 17T 12/24DP	100 series 32 (shaft S)			✓	✓		96
	1 3/4 in 13T 8/16DP	140 series 32 (shaft S)				✓		17

油口型式:

Port for service lines 45 71 100 140 180

12N—两侧SAE, 公制螺纹, 无通轴驱动 SAE flange on opposite side, fixing thread metric, without through drive	✓	✓	✓	✓	
22U—类似12N, 但带普通的通轴驱动 like 12N however with universal through drive	✓	✓	✓	✓	
62N—两侧SAE, UNC螺纹, 无通轴驱动 SAE flange on opposite side, fixing thread UNC, without through drive	✓	✓	✓	✓	
72U—类似62N, 但带普通的通轴驱动 like 62N however with universal through drive	✓	✓	✓	✓	

安装法兰:

Mounting flange 45 71 100 140 180

B—ISO 3019-2, 四螺栓 ISO 3019-2 - 4-bolt	✓	✓	✓	✓	
D—ISO 3019-1, 四螺栓 ISO 3019-1 - 4-bolt	✓	✓	✓	✓	

轴端型式:

Shaft end 45 71 100 140 180

P—公制平键 Metric parallel with key	✓	✓	✓	✓	
S—SAE花键 SAE splined	✓	✓	✓	✓	
R—SAE花键(较高通轴驱动扭矩) SAE splined (higher through drive torque)	✓	✓			
K—SAE平键 SAE parallel with key	✓	✓	✓	✓	

密封件:

Seals V—FKM (氟橡胶) fluor-rubber

转向(从轴端看): R—顺时针 clockwise

Direction of Rotation L—逆时针 anti-clockwise

产品系列: 32系列

Series 32 Series