

HGP&GPY系列齿轮泵

HGP&GPY Series Gear Pump



HGP-1A-***4BD



HGP-2A



HGP-3A



HGP-11A



PR1



PR2



HGP-33A



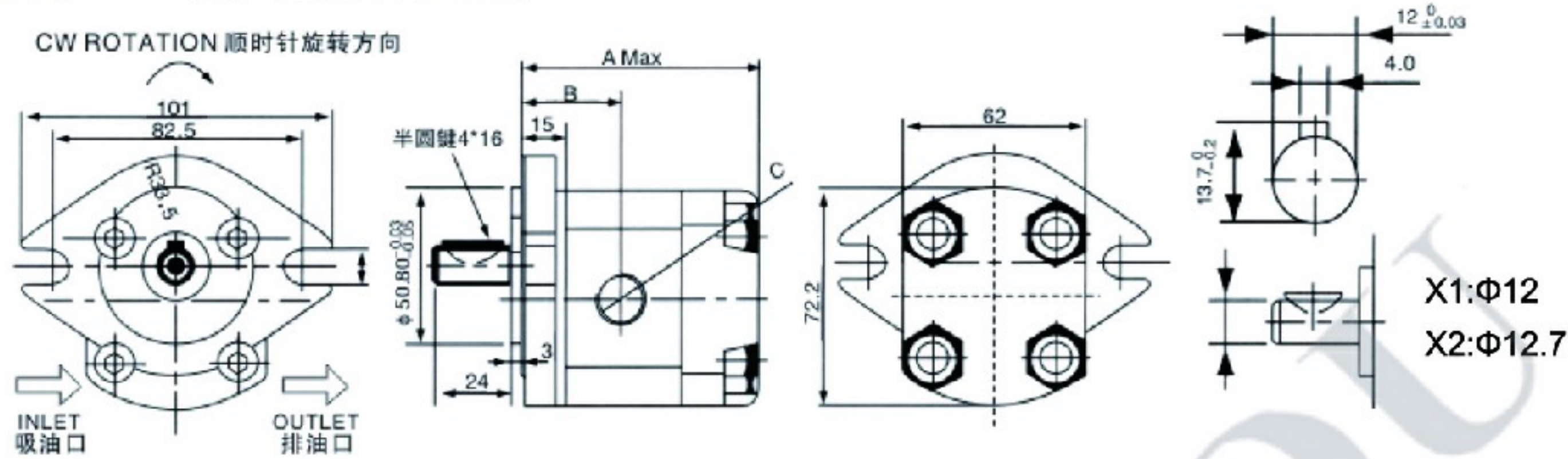
EF-02

HGP-1A		-F	8	R	-X	2B	
型号 Model		安装型式 Installation	排量 Displacement	旋向 Rotation	轴伸型式 Shaft	法兰型式 Flange Type	
HGP-1A PR1		F: 法兰 Flange	1,2,3,4,5,6,8	(从轴端看) (Viewed from Shaft) R: 顺时针 CW L: 逆时针 CCW	X: 平键Key Shaft Y: 花键Spline S: 锥轴Taper	2B, 4BD, 4DE	2B: 2孔 SAE2-bolt 4BD: 4孔 DIN4-bolt 4DE: 欧标4孔 Europe 4-bolt 4JB: 4孔JIS4-bolt
HGP-2A PR2			2,3,4,6,8,9,11,12			4JB	
HGP-3A			6,8,11,13,14,17,19,23,25,28,30			2B 4BD	
GPY			3,4,5.8,7,8,9,10,11.5				
HGP-33A		-F	3030	R	-X	2B	
型号 Model		安装型式 Installation	排量 Displacement	旋向 Rotation	轴伸型式 Shaft	法兰型式 Flange Type	
HGP-11A		F: 法兰 Flange	参考HGP-1A Consult HGP-1A	(从轴端看) (Viewed from Shaft) R:顺时针CW L:逆时针CCW	X:平键Key Shaft Y:花键Spline S:锥轴Taper	2B, 4BD, 4DE	2B:2孔SAE 2-bolt 4BD: 4孔 DIN4-bolt 4DE: 欧标4孔 Europe 4-bolt 4JB: 4孔JIS4-bolt
HGP-22A			参考HGP-2A Consult HGP-2A			4JB	
HGP-33A			参考HGP-3A Consult HGP-3A			2B, 4BD	
HGP-333A							

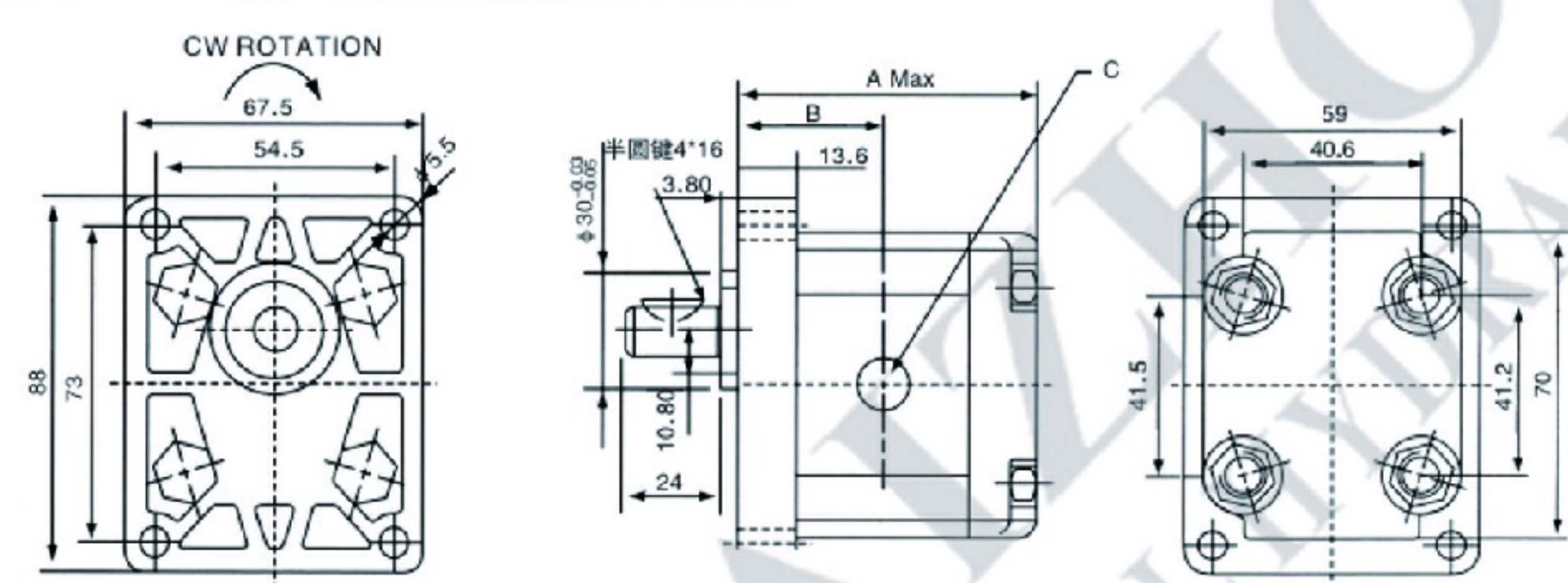
EF-02	NC		AC220V					
型号 Model	常闭 Normal Close	常开 Normal Open	电压 Volt	最大流量 Max.Flow (L/min)	最大压力 Max.Pressure (Kgf/cm²)	温度范围 Temperature	接线方式 Connection	重量 Weight (kg)
EF-02	NC	NO	AC220V	20	210	-20℃~120℃	插头式出线二条式 Line two type of plug type	2.1
EF-04			AC110V DV24V	40				6.5

尺寸图 Dimension

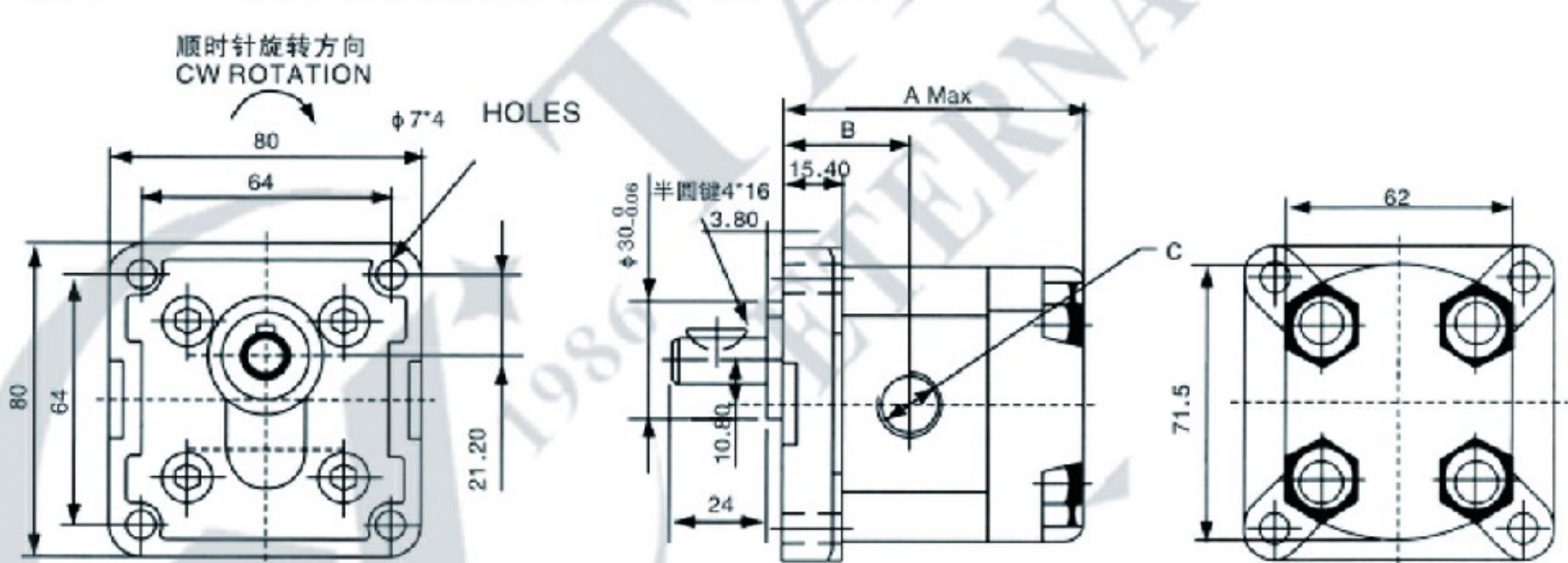
HGP-1A-F*-**-2B-10(SAE 2-bolt)



HGP-1A-F*-**-4BD-10(DIN4孔式/DIN 4-bolt)



HGP-1A-F*-**-4BE-10(欧洲4孔式/European 4-bolt)

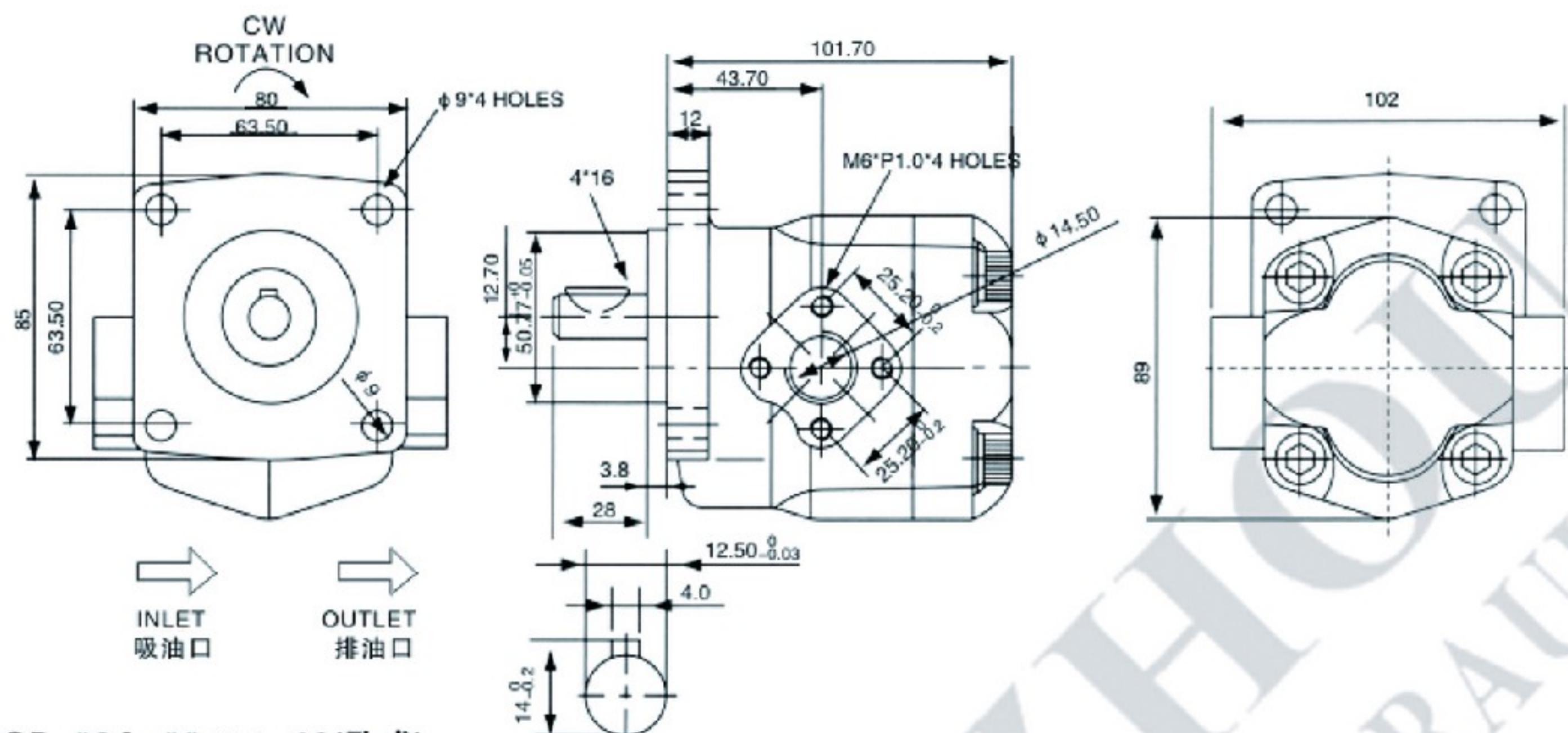


性能参数 Specification

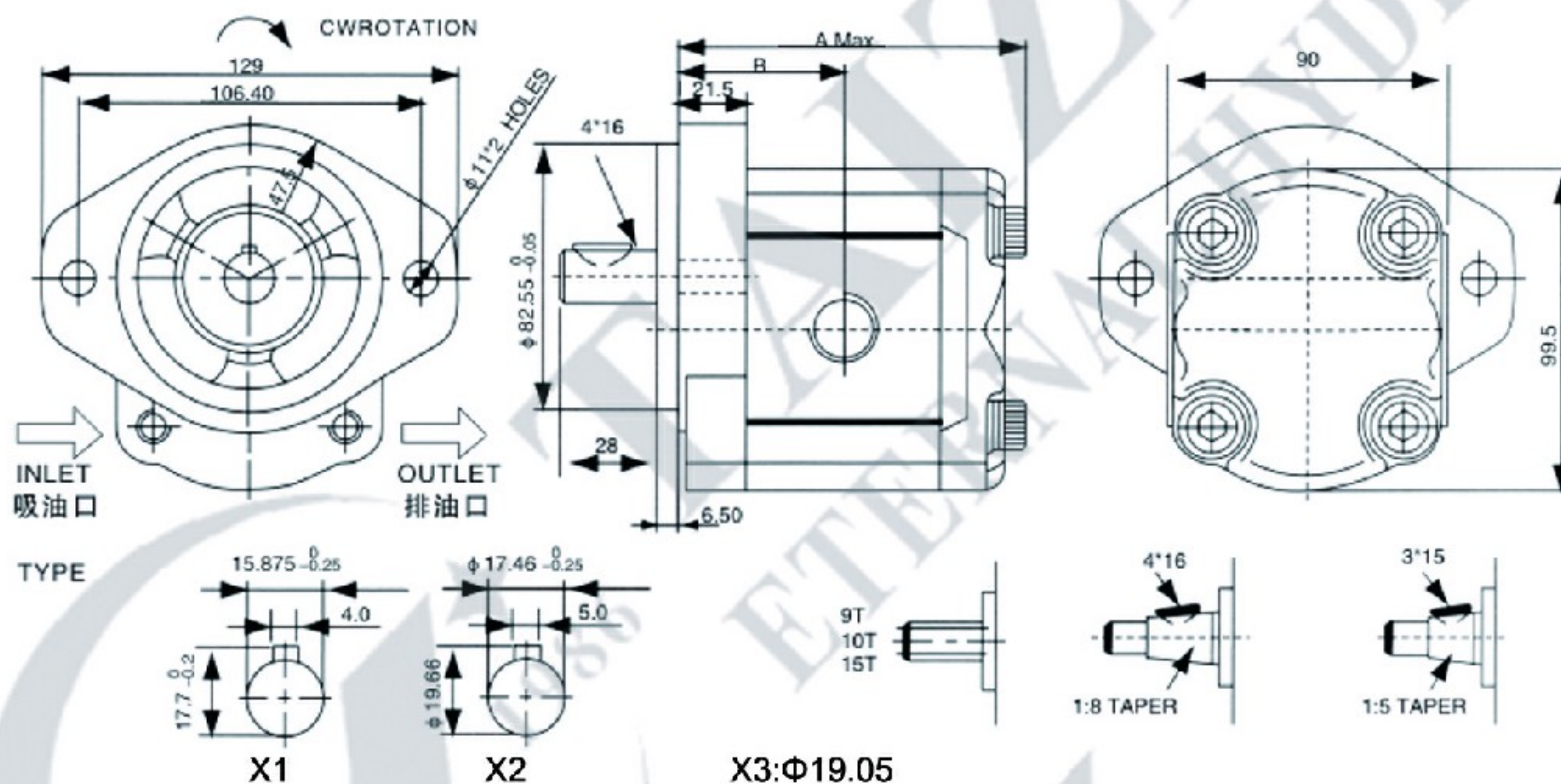
型号 Model	DimensionA mm	DimensionB mm	C-Inlet	D-Outlet
HGP-1A-F08*	75	36.5	3/8"PT	3/8"PT
HGP-1A-F1*	77	38.5	3/8"PT	3/8"PT
HGP-1A-F2*	80.5	40.25	3/8"PT	3/8"PT
HGP-1A-F3*	86	43	3/8"PT	3/8"PT
HGP-1A-F4*	88	44	3/8"PT	3/8"PT
HGP-1A-F5*	92	46	3/8"PT	3/8"PT
HGP-1A-F6*	96	48	3/8"PT	3/8"PT
HGP-1A-F8*	102k	51	1/2"PT	3/8"PT

尺寸图 Dimension

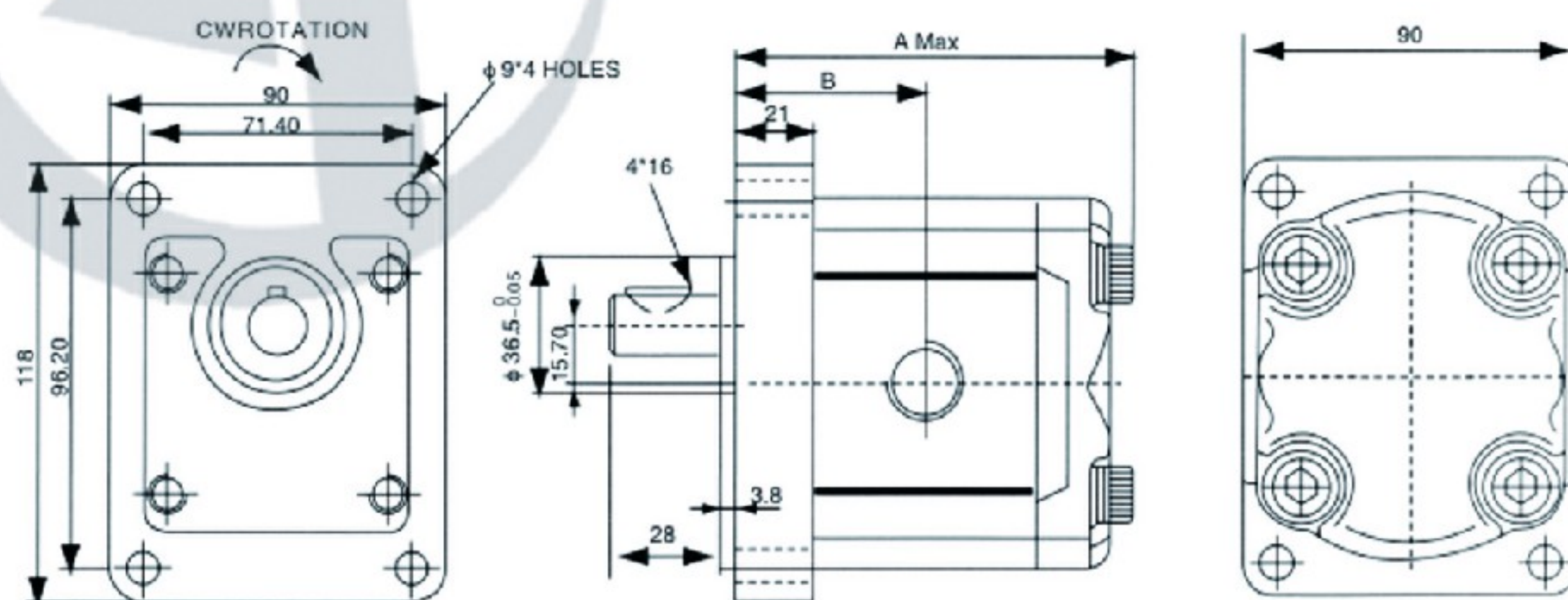
HGP-2A Series



HGP-*3A-**-2B-10(孔式)

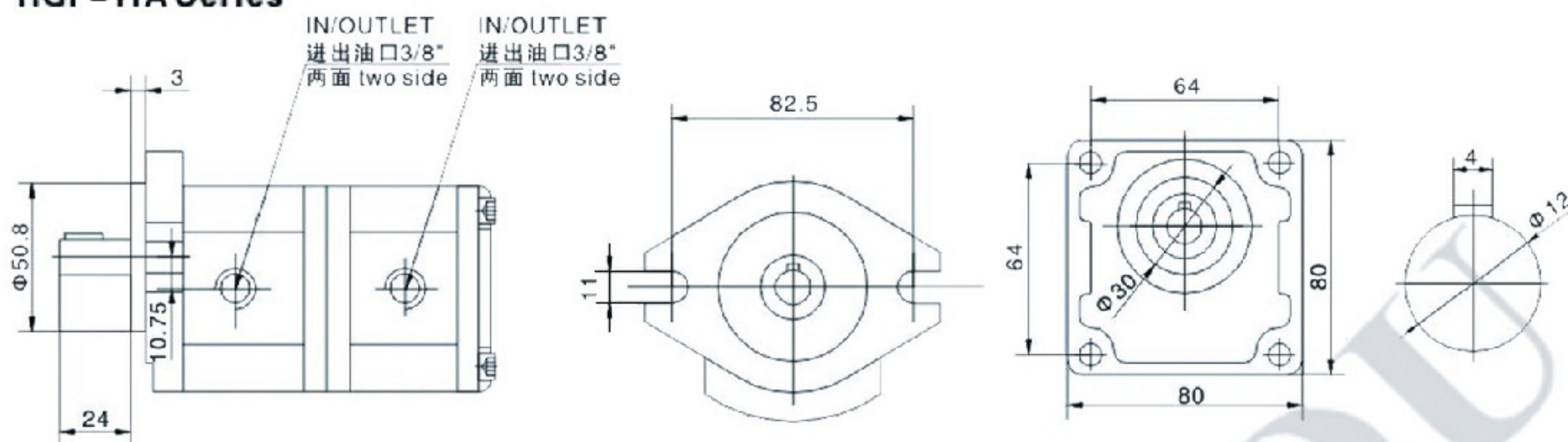


HGP-*3A-**-4BD-10(孔式)

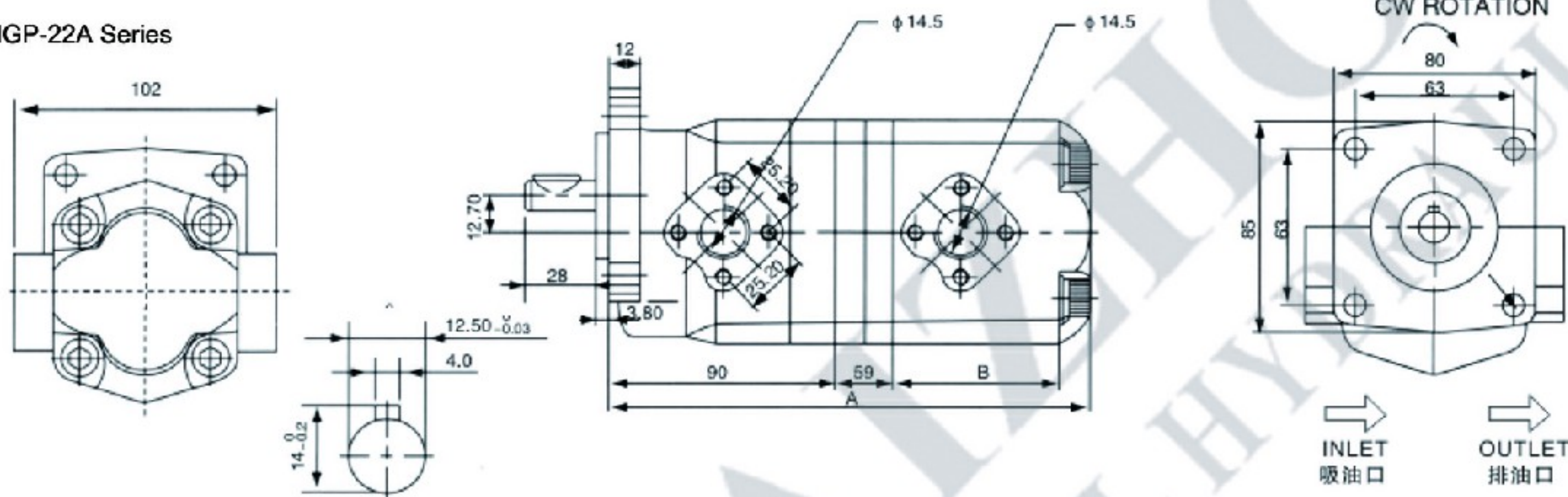


尺寸图 Dimension

HGP-11A Series



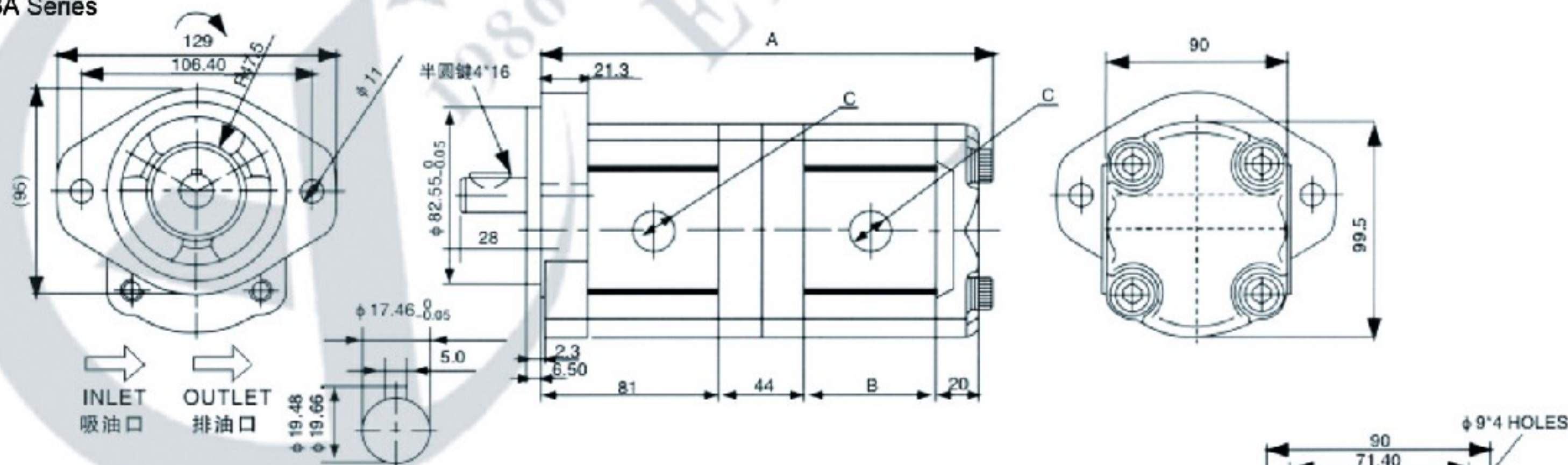
HGP-22A Series



性能参数 Specification

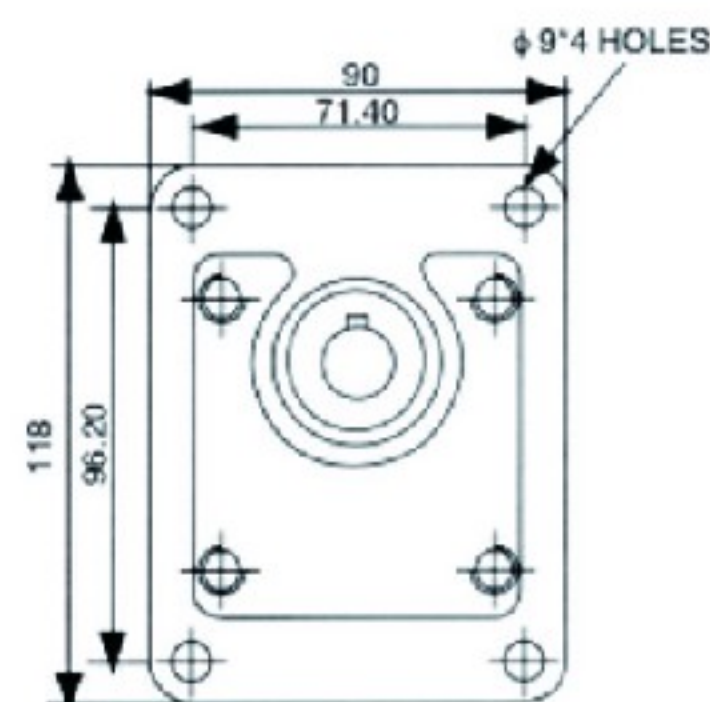
型号 Model	A mm(in)	B mm(in)	型号 Model	A mm(in)	B mm(in)
HGP-2A2A-*22*	174.5(6.9)	43(1.7)	HGP-2A2A-*88*	185.5(7.3)	54(2.1)
HGP-2A2A-*33*	174.5(6.9)	45(1.8)	HGP-2A2A-*99*	188.5(7.4)	57(2.2)
HGP-2A2A-*44*	180.5(7.1)	49(1.9)	HGP-2A2A-*1111*	191.5(7.5)	60(2.4)
HGP-2A2A-*66*	174.5(7.2)	52(2.0)	HGP-2A2A-*1212*	194.5(7.7)	63(2.5)

HGP-33A Series



性能参数 Specification

型号 Model	A mm(in)	B mm(in)	型号 Model	A mm(in)	B mm(in)
HGP-3A3A-*66*	101(3.98)	47.5(1.87)	HGP-3A3A-*1919*	123(4.84)	58.5(2.30)
HGP-3A3A-*88*	104(4.09)	49.0(1.93)	HGP-3A3A-*2323*	130(5.12)	62.0(2.44)
HGP-3A3A-*1111*	109(4.29)	51.5(2.03)	HGP-3A3A-*2525*	133(5.24)	63.5(2.50)
HGP-3A3A-*1414*	115(4.53)	54.5(2.15)	HGP-3A3A-*2828*	137(5.39)	65.5(2.58)
HGP-3A3A-*1717*	119(4.69)	56.5(2.22)	HGP-3A3A-*3030*	141(5.55)	67.5(2.66)



P1系列 P1 Series



特性 Features:

本系列P1高效率液压泵专为超高压系统而设计，前后盖采用高级铝合金压铸而成，密度高，外型坚固。经济型6061T6的主体硬度高，耐磨耗，8字型轴承套更采用A356T6重力铸造，内装特制耐高温及耐磨的DU轴承，更好有效承受瞬间25Mpa高压，Viton材质之密封及整体精研而成的铝合金铜齿轮组能适应高温之使用条件，有效延长使用寿命，适用于高扭力之使用条件。

P1 series high efficiency hydraulic pumps are designed dedicatedly for ultrahigh hydraulic system, front and rear covers are casting with excellent aluminum alloy, which have high density and compact configuration. The pump body of the economic pump 6061T6, has high hardness, wear-resisting, "8" like bearing housing is cast with A356T6 Gravity, inside which installed tailor-made heat and wear resisting sleeve bearing, can bear up to 25Mpa instantaneous high pressure, the sealed Viton material and elaborately-made alloy copper gear set enables it to work in high temperature and high torque force environment with a considerably long service life.

- 1. 效率高，P1系列总效率90%以上。
- 2. 适用于车辆、升降系统、农业机械、产业机械多种液压设备等。
- 3. 零件单纯，易于保养及维护。
- 4. 可与油泵专用电机组成泵电机组。
- 5. 可与低压大流量叶片泵组成低压泵组合，合理利用能源，节约成本。

- P1 series gear pumps are ultrahigh pressure pumps, which have the following features :
- 1. Higher efficiency, overall efficiency above 90%
 - 2. Can be applied to vehicles, lifting system, agricultural machinery, industrial machinery and various hydraulic machine tools.
 - 3. Simples components, easy to maintain and repair
 - 4. Can be combined with oil-pump-dedicated motors, incorporating motor pump group
 - 5. Can be combined with high flow vane pumps, forming high and low pressure pump groups, rational utilization of energy, costs saving.

型号说明 Model Code

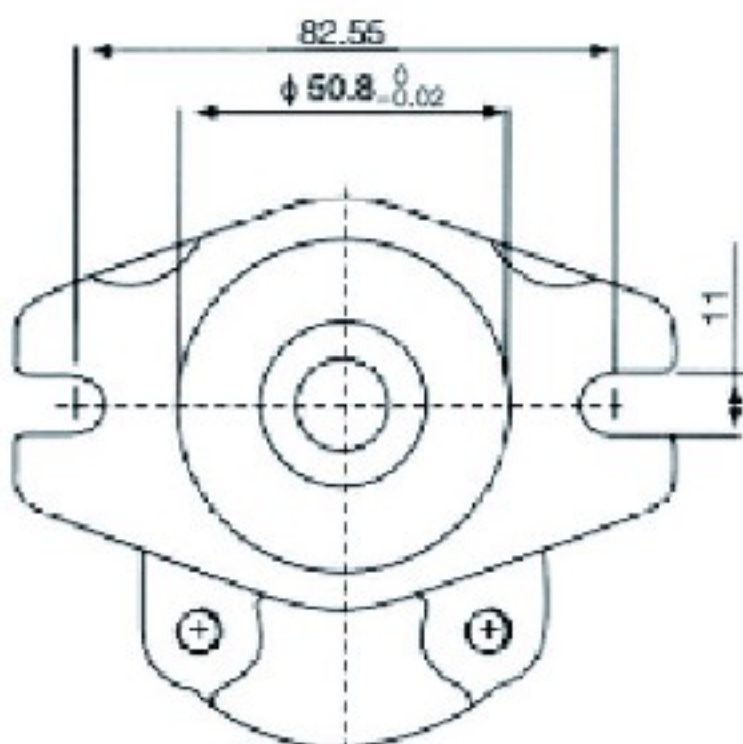
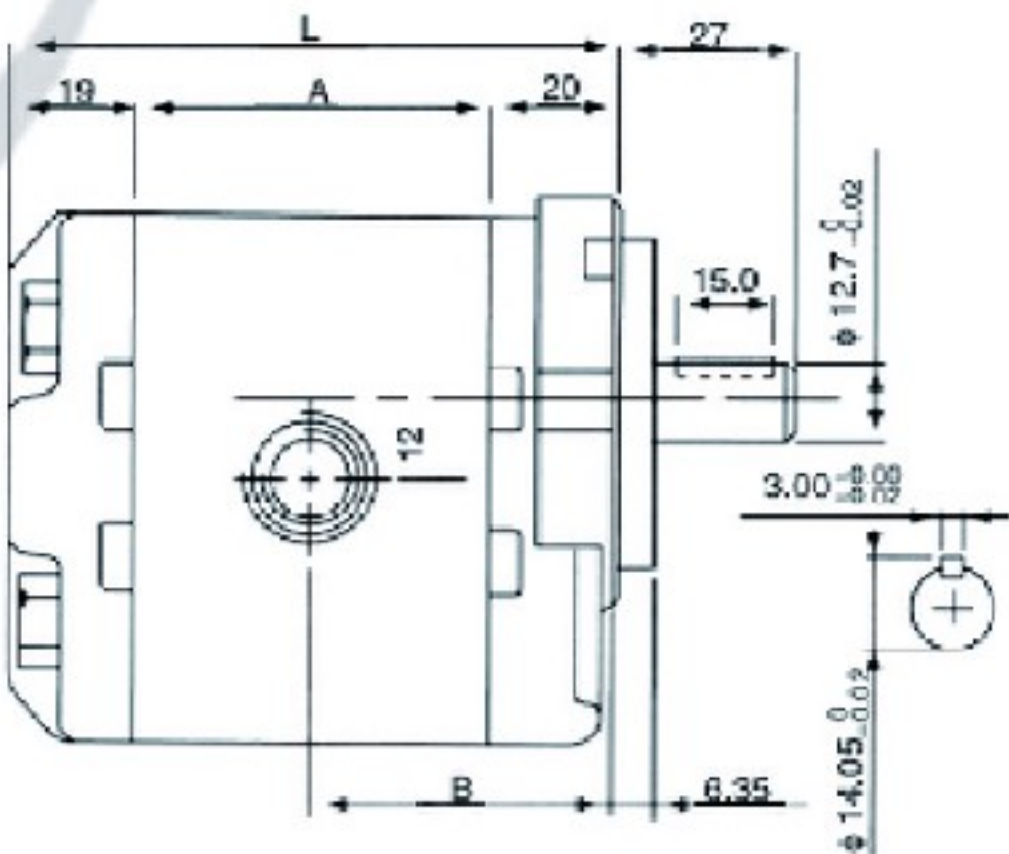
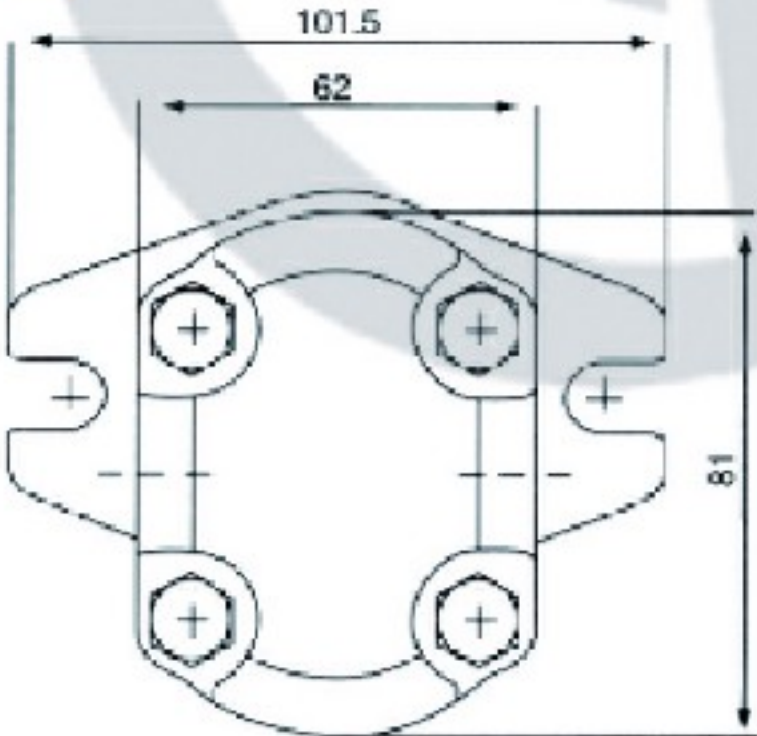
P1	06	R	P	01	G
系列号码 Series No	排量 ml/r Displacement	旋转方向（从轴端看） Rotation Direction (Viewed from Shaft side)	油口尺寸 Port Size	轴伸型式 Shaft type	安装法兰代号 Mounting Flange Code
P1 系列 齿轮泵 P1 Series Gear Pump	参考规格表 Follow Below Table	R:顺时针 Clockwise L:逆时针 Counter Clockwise	N:NPT U:UNF P:PT(Standard) F:法兰 Flange	01 标准型 Standard	G 标准型 G:Standard

注：特殊油口尺寸、轴伸形式和安装型式，请联系我司技术部。
Note : Any port type, Shaft type and Mounting type, pls contact with our engineers.

性能参数 Specification

型号 Model	排量 ml/r Displacement	工作压力(Mpa) Work Pressure		外形尺寸 Dimension(mm)			重量(kg) Weight	进出油口(PT) Inlet/Outlet Port	
		额定 Rated	最高 Max	A	B	L		入口 Inlet	出口 Outlet
P101	1.30	21	25	44.08	42.04	83.08	0.82	1/2"	3/8"
P102	2.00			46.08	43.04	85.08	0.91		
P127	2.70			48.08	44.04	87.08	1.00		
P135	3.40			50.08	45.04	89.08	1.05		
P104	4.10			52.08	46.04	91.08	1.10		
P105	5.10			55.08	47.04	94.08	1.14		
P106	6.10			58.08	49.04	97.08	1.18		
P107	7.40	20	23	62.08	51.04	101.08	1.27	3/4"	1/2"
P109	9.10	18	21	67.08	53.54	106.08	1.32		

尺寸图：Dimension



CW:顺时针方向无符号、无箭头
NO Marks or Arrows In Clockwise Direction
CCW:逆时针方向 Anticlockwise

P2系列 P2 Series

特性 Features:



本系列P2高效率液压泵专为超高压系统而设计，前后盖采用高级铝合金压铸而成，密度高，外型坚固。经济型6061T6的土体硬度高，耐磨耗，8字型轴承套更采用A356T6重力铸造，内装特制耐高温及耐磨的DU轴承，更好有效承受瞬间25Mpa高压，Viton材质之密封及整体精研而成的铝合金铜内轮组能适应高温之使用条件，有效延长使用寿命，适用于高扭力之使用条件。

- 1. 效率高，P2系列总效率90%以上。
- 2. 适用于车辆、升降系统、农业机械、产业机械多种液压设备等。
- 3. 零件单纯，易于保养及维护。
- 4. 可与油泵专用电机组成泵电机组合。
- 5. 可与低压大流量叶片泵组成低压泵组合，合理利用能源，节约成本。

- P2 series gear pumps are ultrahigh pressure pumps, which have the following features :
- 1. Higher efficiency, overall efficiency above 90%
 - 2. Can be applied to vehicles, lifting system, agricultural machinery, industrial machinery and various hydraulic machine tools.
 - 3. Simples components, easy to maintain and repair
 - 4. Can be combined with oil pump dedicated motors, incorporating motor pump group
 - 5. Can be combined with high flow vane pumps, forming high and low pressure pump groups, rational utilization of energy, costs saving.

型号说明 Model Code

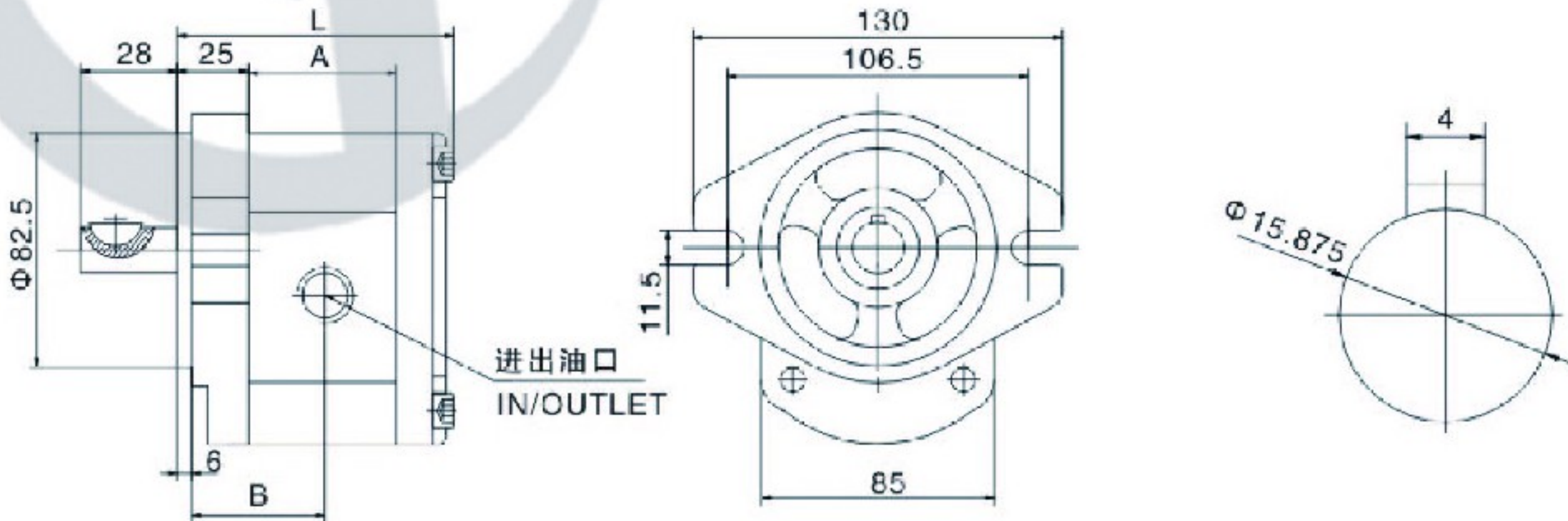
P2	06	R	P	01	G
系列号码 Series No	排量 ml/r Displacement	旋转方向（从轴端看） Rotation Direction (Viewed from Shaft side)	油口尺寸 Port Size	轴伸型式 Shaft type	安装法兰代号 Mounting Flange Code
P2 系列 齿轮泵 P2 Series Gear Pump	参考规格表 Follow Below Table	R:顺时针 Clockwise L:逆时针 Counter Clockwise	N:NPT U:UNF P:PT(Standard) F:法兰 Flange	01 标准型 Standard	G 标准型 G:Standard

注：特殊油口尺寸、轴伸形式和安装型式，请联系我司技术部。
Note : Any port type, Shaft type and Mounting type, pls contact with our engineers.

性能参数 Specification

型号 Model	排量 ml/r Displacement	工作压力(Mpa) Work Pressure		外形尺寸 Dimension(mm)			重量(kg) Weight	进出油口(PT) Inlet/Outlet Port			
		额定 Rated	最高 Max	A	B	L		入口 Inlet	出口 Outlet		
P204	4.00	21	18	25	21	47.90	48.95	97.70	2.32	3/4" PT	1/2" PT
P206	6.20					51.60	50.80	101.4	2.45		
P208	8.40					55.10	52.55	104.9	2.55		
P211	11.0					59.60	54.80	109.4	2.73		
P214	14.3					65.10	57.55	114.9	2.82		
P216	16.5					68.80	59.40	118.6	2.91		
P219	19.2					73.10	61.55	122.9	3.14		
P222	22.5	18	17	21	20	78.60	64.30	128.4	3.27	1" PT	3/4" PT
P225	25.0				19	83.10	66.55	132.9	3.36		
P230	30.0				18	86.10	68.05	135.9	3.59		

尺寸图：Dimension



CBT-F300系列齿轮泵



最高压力: 250bar(3500psi)
排量 : 6~25ml/r
轴伸型式 : 平键 扁口轴 4齿矩形花键
Max Pressure: 250bar(3500psi)
Displacement: 10~50ml/r
Flange Type: Straight Shaft Flat Shaft 4-Teeth Spline Shaft

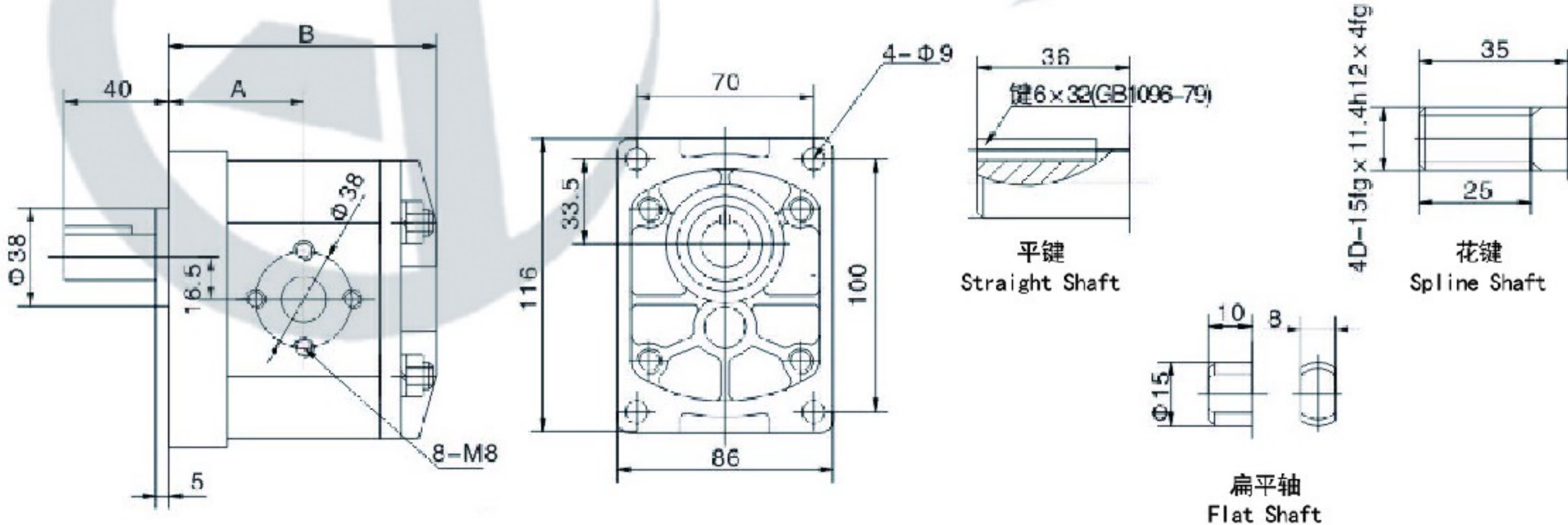
型号说明 Model Code

Table with 7 columns: CBT, -F, 3, 10, F, P, R. Rows include series code, pressure level, gear modulus, displacement, inlet/outlet port type, shaft type, and rotation.

性能参数 Specification

Table with 8 columns: Model, Displacement, Pressure (Rated/Max), Speed (Min/Rated/Max), A(mm), B(mm). Rows list various CBT-F300 models and their specifications.

尺寸图 : Dimension



CBF-F400系列齿轮泵



最高压力: 250bar(3500psi)
排量 : 10~50ml/r
轴伸型式 : 平键 4齿矩形花键
Max Pressure: 250bar(3500psi)
Displacement: 10~50ml/r
Flange Type: Straight Shaft 4-Teeth Spline Shaft

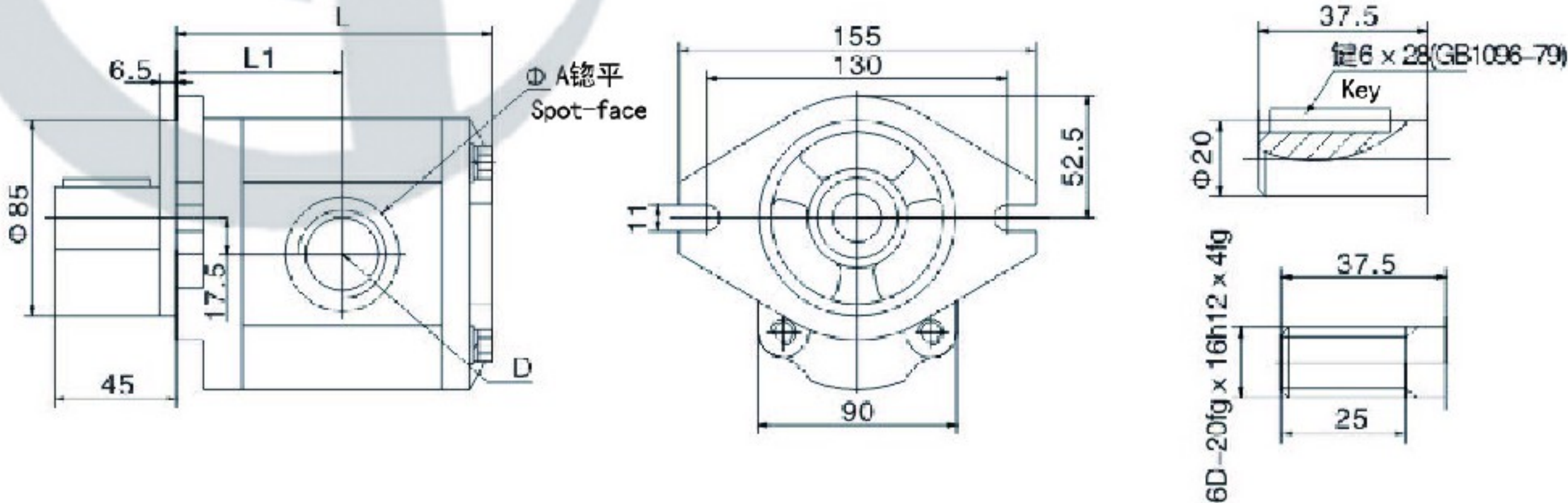
型号说明 Model Code

Table with 7 columns: CBF, -F, 4, 10, L, P, R. Rows include Item Code, Pressure level, Gear Modulus, Displacement, Inlet/Outlet Port Type, Shaft Type, and Rotation.

性能参数 Specification

Table with 12 columns: Model, Displacement, Pressure (Rated/Max), Speed (Min/Rated/Max), L1, L, Inlet (D/A), Outlet (D/A), Weight. Rows list various CBF-F400 models and their specifications.

尺寸图 : Dimension



CBN-*300系列齿轮泵



压力范围: 160~250bar(2320~3500psi) 排量: 4~25ml/r
轴伸型式: 平键 扁平轴 圆锥轴 4齿矩形花键
Max Pressure: 250bar(3500psi) Displacement: 10~50ml/r
Flange Type: Straight Shaft Flat Shaft Taper Key 4-Teeth Spline Shaft

型号说明 Model Code

CBN	-F	3	06	A	F	P	R
系列号码 Item Code	压力等级 Pressure level	齿轮模数 Gear Modulus	排量 Displacement	安装型式 Mounting	油口类型 Inlet/Outlet Port Type	轴伸型式 Shaft Type	旋向 Rotation
CBN	E: 16Mpa F: 20Mpa G: 25Mpa	M=3	4,,6,8,10 ,12,14,16,20,25	A: 菱形法兰 Diamond B: 矩形法兰 Rectangle T: 特殊法兰 Special	F: 法兰连接 F: Flange type L: 螺纹连接 L: Screw port	P:平键 Straight Shaft B: 扁平轴 Flat Shaft H:4 齿矩形花键 H: 4-Teeth Spline Shaft S:圆锥键 Taper Key	R: 顺时针方向 Clockwise L: 逆时针方向 Counter clockwise

性能参数 Specification

型号 Model	排量 Displacement	压力 (Mpa)Pressure		转速 (r/min)Speed		容积效率 (%) Volumetric Efficiency	A (mm)	B (mm)	D(mm)	
		额定 Rated	最高 Max	额定 Rated	最高 Max				进油口 Inlet	出油口 Outlet
CBN-*304	4	E=16 F=20 G=25	E=20 F=25 G=31.5	2000	3000	≥92	43.3	98.5	Φ 14 (M20x1.5, ZG1/2")	Φ 10 (M18x1.5, ZG3/8")
CBN-*306	6						45	102		
CBN-*308	8						46.5	105		
CBN-*310	10						48	108	Φ 18 (M20x1.5, ZG3/4")	Φ 14 (M18*1.5, ZG1/2")
CBN-*312	12						48	111		
CBN-*314	14						51	114		
CBN-*316	16						52.5	117		
CBN-*320	20						56	124		
CBN-*325	25						60	130		

尺寸图: Dimension

