

Show China Eternal Quality To The World

Gear Pump



COMPANY PROFILE



Eternal Hydraulic belongs to Eternal Group, which is a International Well-known Professional Hydraulic Enterprise with 6 Own Manufacturing Bases in 2023, and we will complete our 12+ Manufacturing Bases in future 5 years to become the No.1 Hydraulic Alliance Group Enterprise.

Eternal Hydraulic are integrating Design&Develop&Manufacturing&Marketing for Hydraulic Components, and with more than 16+ years experience in Hydraulic Field.

Eternal Hydraulic commit ourselves to the No.1 Global One-Stop Mall in Hydraulic Field, Our products are widely used in Agricultural Machinery, Forestry Machinery, Dump Trucks & Special Vehicles, Municipal Sanitation Machinery, Construction Machinery, Logistics&Forklift Machinery, Industrial Equipment, Mining machinery, Marine Machinery and Military Machinery etc, with 98% Good Quality&Price Feed-back from market.

Eternal Hydraulic can be used in all Equipments which need Hydraulic Power.

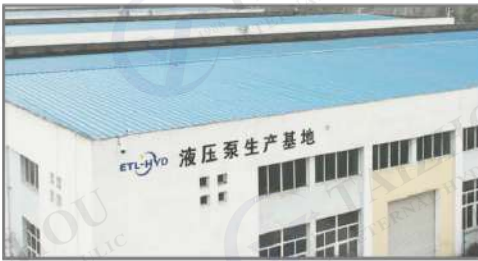
Eternal Hydraulic keep good cooperative relationship with most of International Well-known Hydraulic Companies to provide best Service to our all regular customers.

Eternal Hydraulic firmly believes that "Only the Best can Satisfied the Best", become the First and Best Purchase Choice of Hydraulic Components in all over the World.

Inviting all ability Partners to join in us to complete 86+ Strategic Partners in all over the World.

ETERNAL HYDRAULIC PUMP MANUFACTURING BASE

● No. of Workers: 180+ ● Factory area: 40,000m²



MAIN PRODUCTS

Gear Pump: Parker, Hyva, Europe Series, Hydrosila Series...

Vane Pump: Eaton Vickers, Denison, Yuken, Tokimec Series...

CERTIFICATES





EXHIBITION



EXHIBITION



SAMPLE ROOM



SAMPLE ROOM

?NNJGA?RGMLQ



Agricultural Machinery



Forklift



Sanitation Machinery



Forestry Machinery



Construction Machinery



Dump Truck



Industry



Mining Machine



Ship Machinery

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型号说明 Model Code

①	EG1	CODE												
②	A	FLANGE AND COVER	A	Aluminium										
③	09	DISPLACEMENT	09	13	16	21	25	31	38	43	50	62	78	99
			0.95	1.26	1.64	2.05	2.56	3.15	3.80	4.28	4.97	6.21	7.80	9.85
④	ST0	FLANGE	ST0	S20			MZI			MZD&MZS			EZ1	
⑤	T80	SHAFT	T80	P30	S90	T50	F50	D60	T50	F50	D60	E50		
⑥	EE4	CONNECTION	EEx TT4 GG4 UUx											
⑦	D	ROTATION	D	Clockwise rotation										
			S	Anticlockwise rotation										
⑧	0	STANDARD COVER	0	Standard										
⑨	0	SEALS	0	Nbr seals										
			V	Viton® seals										

性能参数 Specification

Size	Displacement (in ³ /rev)	Max speed rpm	Max flow (gpm)	Min speed rpm	Min flow (gpm)	Min Volum. Effic.* %
EG1-09	0.95 (0.058)	6000	5.7 (1.50)	600	0.5 (0.14)	90
EG1-13	1.26 (0.077)	6000	7.5 (1.99)	600	0.7 (0.18)	92
EG1-16	1.64 (0.100)	6000	9.8 (2.60)	400	0.6 (0.16)	95
EG1-21	2.05 (0.125)	5500	11.3 (2.98)	400	0.8 (0.21)	95
EG1-25	2.56 (0.156)	5500	14.1 (3.72)	400	1 (0.26)	95
EG1-31	3.15 (0.192)	4500	14.2 (3.75)	400	1.2 (0.32)	95
EG1-38	3.80 (0.232)	4000	15.2 (4.01)	400	1.4 (0.38)	95
EG1-43	4.28 (0.261)	3500	15 (3.96)	400	1.6 (0.43)	95
EG1-50	4.97 (0.303)	3000	14.9 (3.94)	400	1.9 (0.50)	95
EG1-62	6.21 (0.379)	2700	16.8 (4.43)	400	2.4 (0.62)	95
EG1-78	7.80 (0.476)	2500	19.5 (5.15)	400	3.0 (0.78)	95
EG1-99	9.85 (0.601)	2000	19.7 (5.20)	400	3.7 (0.99)	95

* Volumetric efficiency at 1500 rpm



ST0
Standard flange



MZD / MZS
Ø32 flange with delivery hole



MZ1
Ø32 flange for power pack

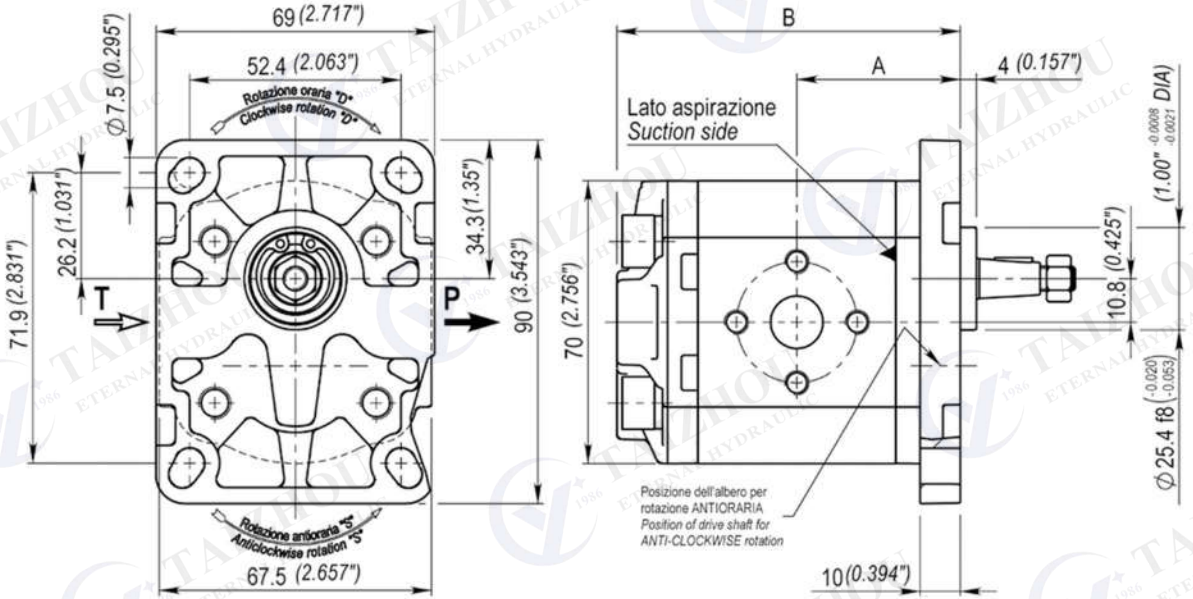


S20
Sae AA flange



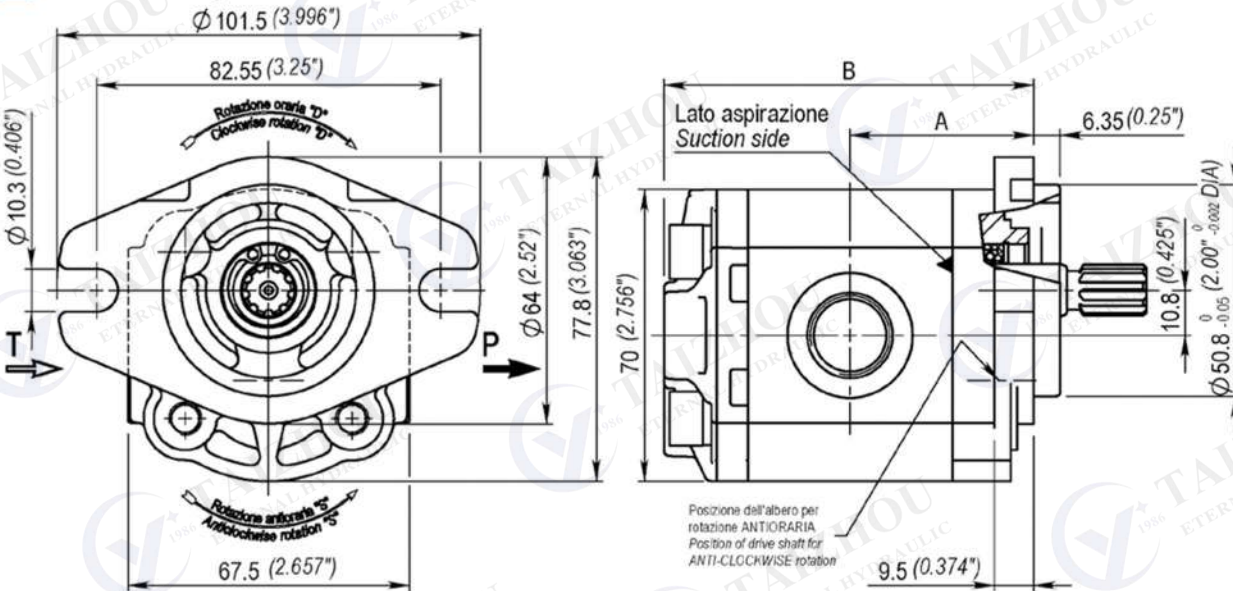
EZ1
E32C for electro pump

Standard Flange ST0



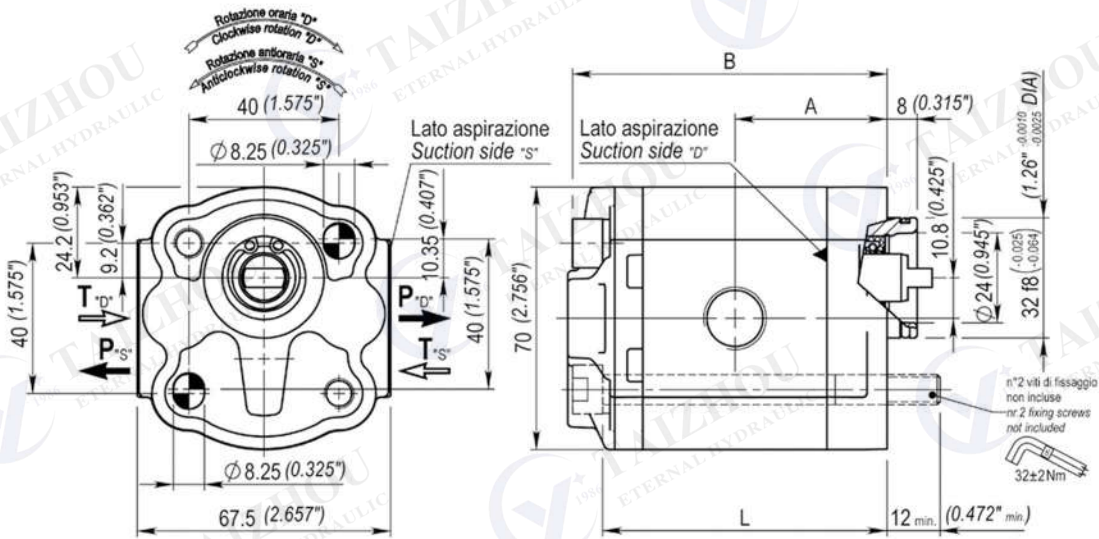
Size		EG1-09	EG1-13	EG1-16	EG1-21	EG1-25	EG1-31	EG1-38	EG1-43	EG1-50	EG1-62	EG1-78	EG1-99
Dimension	A mm(in)	35 (1.38)	35.6 (1.40)	36.4 (1.43)	37.2 (1.46)	38.2 (1.50)	39.3 (1.55)	40.6 (1.60)	41.5 (1.63)	42.9 (1.69)	45.3 (1.78)	48.4 (1.91)	52.4 (2.06)
	B mm(in)	74.4 (2.93)	75.2 (2.96)	76.7 (3.02)	78.3 (3.08)	80.3 (3.16)	82.6 (3.25)	85.1 (3.35)	87 (3.43)	90.1 (3.55)	94.9 (3.74)	100.7 (3.96)	109.1 (4.30)
Weight(kg)		0.887	0.893	0.909	0.93	0.964	0.992	1.033	1.055	1.108	1.177	1.251	1.379

SAE AA Flange S20



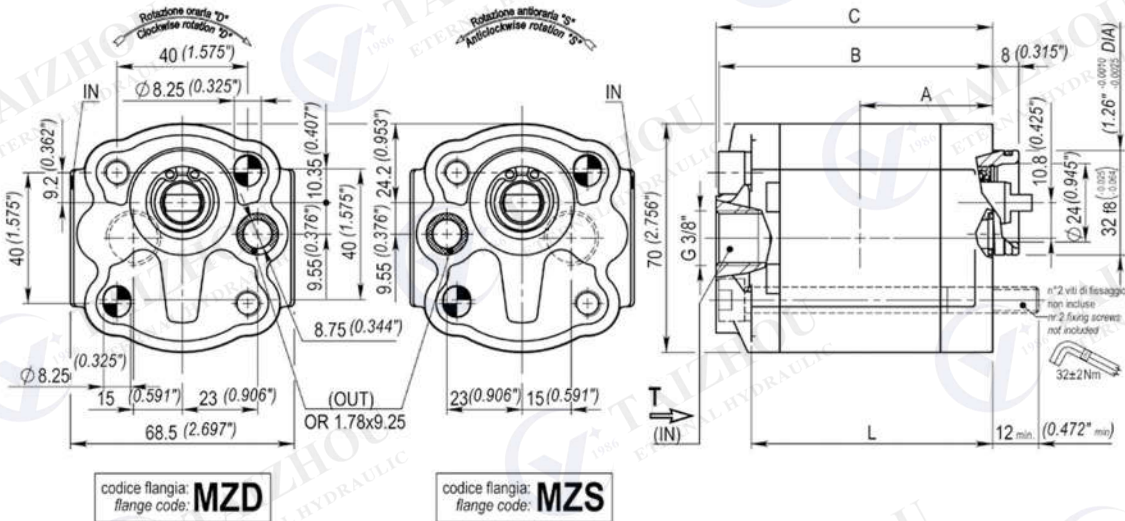
Size		EG1-09	EG1-13	EG1-16	EG1-21	EG1-25	EG1-31	EG1-38	EG1-43	EG1-50	EG1-62	EG1-78	EG1-99
Dimension	A mm(in)	38.5 (1.516)	39.1 (1.539)	39.9 (1.569)	40.7 (1.600)	41.7 (1.640)	42.8 (1.685)	44.1 (1.734)	45.0 (1.772)	46.4 (1.825)	48.8 (1.919)	51.9 (2.041)	55.9 (2.199)
	B mm(in)	77.9 (3.065)	78.7 (3.098)	80.2 (3.157)	81.8 (3.220)	83.8 (3.299)	86.1 (3.390)	88.6 (3.488)	90.5 (3.563)	93.6 (3.683)	98.4 (3.872)	104.2 (4.102)	112.6 (4.431)
Weight(kg)		0.912	0.915	1.012	0.945	0.981	1.008	1.05	1.081	1.124	1.193	1.28	1.396

ø32 Flange For Power Pack MZI



Size	EG1-09	EG1-13	EG1-16	EG1-21	EG1-25	EG1-31	EG1-38	EG1-43	EG1-50	EG1-62	EG1-78	EG1-99
Dimension	A	35	35.6	36.4	37.2	38.2	39.3	40.6	41.5	42.9	45.3	52.4
	mm(in)	(1.38)	(1.40)	(1.43)	(1.46)	(1.50)	(1.55)	(1.60)	(1.63)	(1.69)	(1.78)	(2.06)
	B	74.4	75.2	76.7	78.3	80.3	82.6	85.1	87	90.1	94.9	109.1
mm(in)	(2.93)	(2.96)	(3.02)	(3.08)	(3.16)	(3.25)	(3.35)	(3.43)	(3.55)	(3.74)	(3.96)	(4.30)
L	62.8	64	65.5	67.1	69.1	71.4	73.9	75.8	78.5	83.3	89.5	97.5
mm(in)	(2.47)	(2.52)	(2.58)	(2.64)	(2.72)	(2.81)	(2.91)	(2.98)	(3.09)	(3.28)	(3.52)	(3.84)
Weight(kg)	0.781	0.806	0.823	0.844	0.875	0.903	0.94	0.963	1.007	1.072	1.147	1.266

ø32 Flange With Delivery Hole MZD/MZS

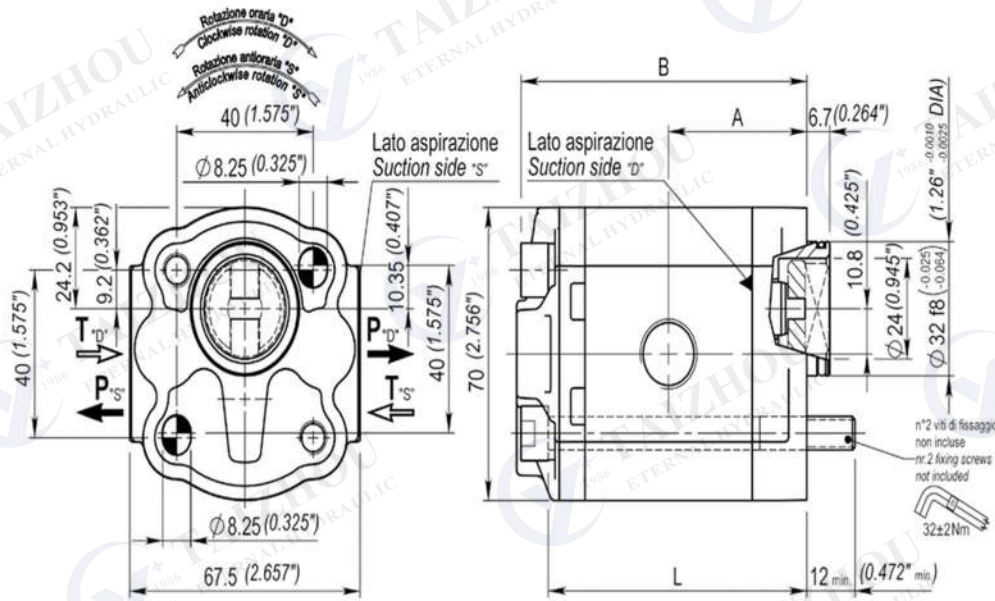


codice flangia: **MZD**
flange code:

codice flangia: **MZS**
flange code:

Size	EG1-09	EG1-13	EG1-16	EG1-21	EG1-25	EG1-31	EG1-38	EG1-43	EG1-50	EG1-62	EG1-78	EG1-99
Dimension	A	35	35.6	36.4	37.2	38.2	39.3	40.6	41.5	42.9	45.3	52.4
	mm(in)	(1.38)	(1.40)	(1.43)	(1.46)	(1.50)	(1.55)	(1.60)	(1.63)	(1.69)	(1.78)	(2.06)
	B	74.4	75.2	76.7	78.3	80.3	82.6	85.1	87	90.1	94.9	109.1
	mm(in)	(2.93)	(2.96)	(3.02)	(3.08)	(3.16)	(3.25)	(3.35)	(3.43)	(3.55)	(3.74)	(3.96)
C	73.5	74.7	76.2	77.8	79.8	82.1	84.6	86.5	89.2	94	100.2	108.2
mm(in)	(2.89)	(2.94)	(3.00)	(3.06)	(3.14)	(3.23)	(3.33)	(3.41)	(3.51)	(3.70)	(3.94)	(4.26)
L	62.8	64	65.5	67.1	69.1	71.4	73.9	75.8	78.5	83.3	89.5	97.5
mm(in)	(2.47)	(2.52)	(2.58)	(2.64)	(2.72)	(2.81)	(2.91)	(2.98)	(3.09)	(3.28)	(3.52)	(3.84)
Weight(kg)	0.781	0.806	0.823	0.844	0.875	0.903	0.94	0.963	1.007	1.072	1.147	1.266

Flange E32C For Electro Pump EZ1

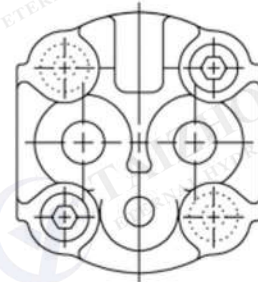


Size		EG1-09	EG1-13	EG1-16	EG1-21	EG1-25	EG1-31	EG1-38	EG1-43	EG1-50	EG1-62	EG1-78	EG1-99
Dimension	A	35	35.6	36.4	37.2	38.2	39.3	40.6	41.5	42.9	45.3	48.4	52.4
	mm(in)	(1.38)	(1.40)	(1.43)	(1.46)	(1.50)	(1.55)	(1.60)	(1.63)	(1.69)	(1.78)	(1.91)	(2.06)
	B	74.4	75.2	76.7	78.3	80.3	82.6	85.1	87	90.1	94.9	100.7	109.1
mm(in)	(2.93)	(2.96)	(3.02)	(3.08)	(3.16)	(3.25)	(3.35)	(3.43)	(3.55)	(3.74)	(3.96)	(4.30)	
L	62.8	64	65.5	67.1	69.1	71.4	73.9	75.8	78.5	83.3	89.5	97.5	
mm(in)	(2.47)	(2.52)	(2.58)	(2.64)	(2.72)	(2.81)	(2.91)	(2.98)	(3.09)	(3.28)	(3.52)	(3.84)	
Weight(kg)		0.784	0.771	0.789	0.809	0.84	0.867	0.904	0.927	0.971	1.035	1.113	1.227

Connections

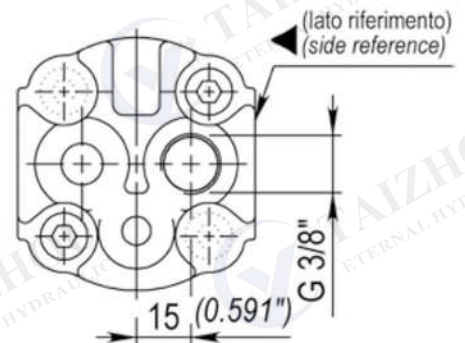
STANDARD COVER

Size	Code
09-99	0

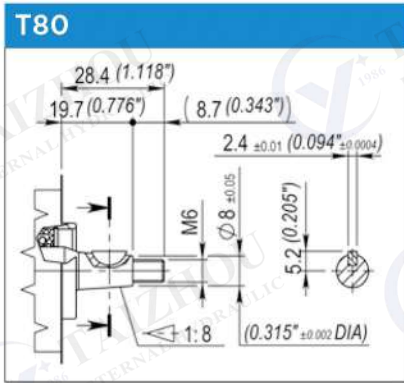


SUCTION ON THE COVER BSP THREADED

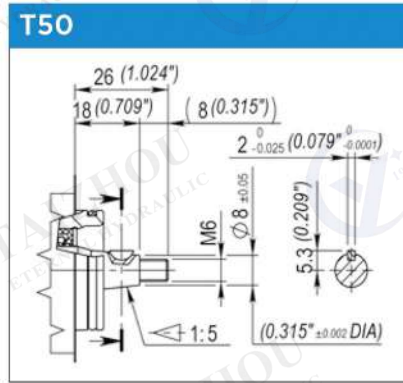
Size	Code
09-99	1



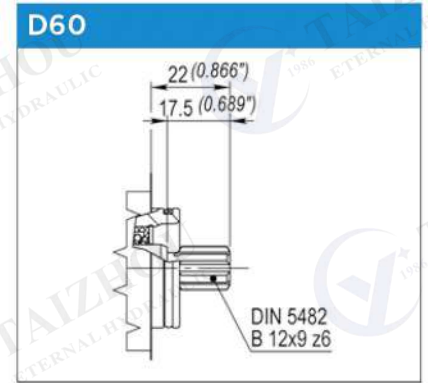
Shafts



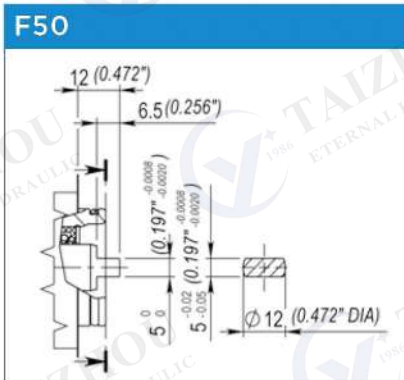
TAPER 1:8
Max torque 28 Nm



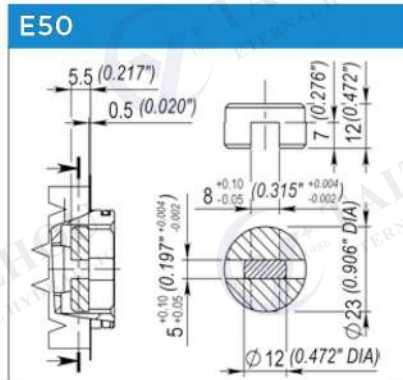
TAPER 1:5
Max torque 33 Nm



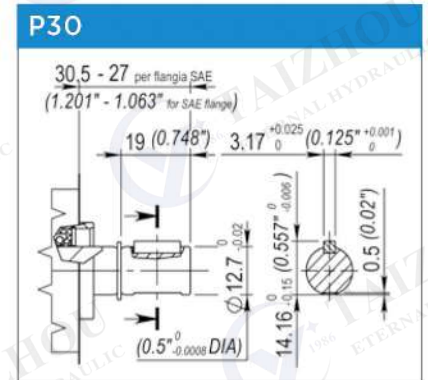
DIN Z6
Max torque 26 Nm



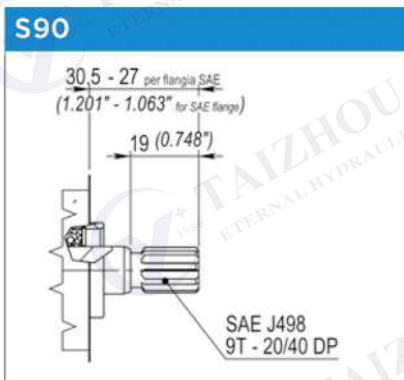
TANG DRIVE FOR POWER PACK
Max torque 20 Nm



TANG DRIVE ELECTRIC PUMP
Max torque 20 Nm



SAE CYLINDRICAL
Max torque 33 Nm



SAE SPLINED 9 TEETH
Max torque 35 Nm

When assembled with SAE AA flange (S20 code)
the shaft dimensions must be reduced by 0.1378 In. (3.5 mm)

Port Dimension

EUROPEAN STANDARD				
Size	Code	D	F	M
09-21	EE4	26 (1.023)	10 (0.393)	M5
25-99	EE6	30 (1.181)	13 (0.512)	M6

GERMAN UNIFICATION	
Size	Code
09-99	TT4

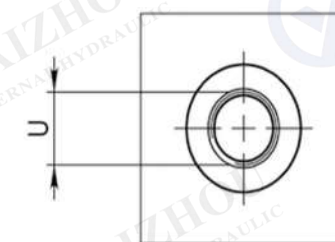
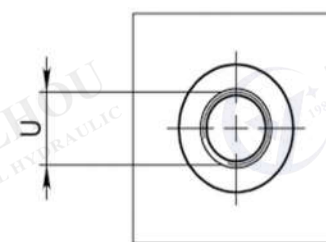
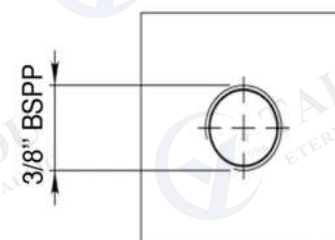
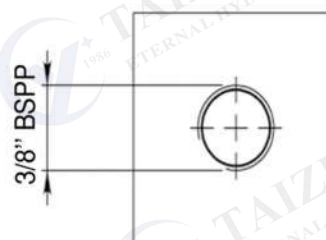
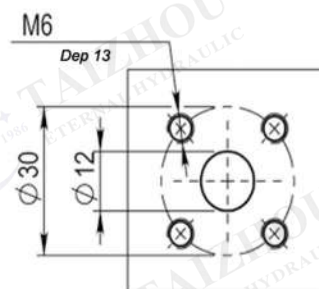
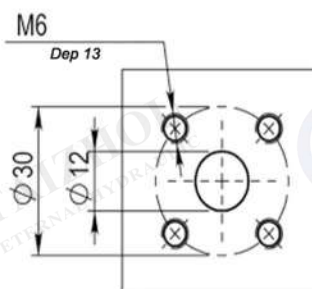
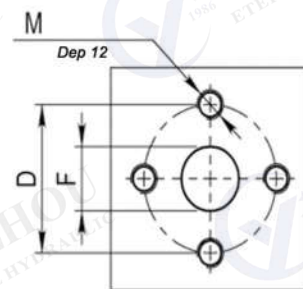
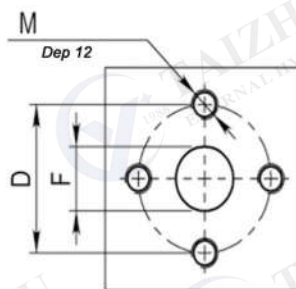
BSPP THREADS	
Size	Code
09-99	GG4

SAE THREADS		
Size	Code	D
09-21	UU4	9/16"-18 UNF
25-99	UU6	3/4"-16 UNF

NEUTRAL BODY (WITHOUT CONNECTIONS)	
Size	Code
09-99	000

Inlet Port

Outlet Port



型号说明 Model Code

①	EG2	CODE							
②	A	FLANGE AND COVER	A Aluminium G Cast iron (Heavy duty)						
③	04	DISPLACEMENT	04 4.2 06 6.2 08 8.3 11 11.1 14 14.2 17 16.7 20 19.6 23 22.7 26 26.1						
④	STO	FLANGE	STO	S20/S21	B80	BZ0/BN0	EZ1/EN1		
⑤	T80	SHAFT	T80 M50 D92	M50 P60 S90	T50 D90	T50 D90	E80		
⑥	EEX	CONNECTION	EEx TTx GGx UUX						
⑦	D	ROTATION	D Clockwise rotation S Anticlockwise rotation						
⑧	0	STANDARD COVER	0 Standard						
⑨	0	SEALS	0 Nbr seals V Viton® seals						

性能参数 Specification

Size	Displacement (in ³ /rev)	Max speed rpm	Max flow (gpm)	Min speed rpm	Min flow (gpm)	Min Volum. Effic.* %
EG2-04	4.2 (0.27)	4000	16.8 (4.44)	500	2.1 (0.55)	93
EG2-06	6.2 (0.38)	4000	24.8 (6.55)	500	3.1 (0.82)	94
EG2-08	8.3 (0.51)	3500	29.0 (7.66)	500	4.2 (1.11)	95
EG2-11	11.1 (0.68)	3500	38.9 (10.28)	500	5.6 (1.48)	95
EG2-14	14.2 (0.87)	3500	49.6 (13.10)	500	7.1 (1.88)	95
EG2-17	16.7 (1.02)	3500	58.5 (15.45)	500	8.4 (2.22)	95
EG2-20	19.6 (1.20)	3300	64.7 (17.09)	500	9.8 (2.59)	95
EG2-23	22.7 (1.39)	2800	63.6 (16.8)	500	11.4 (3.01)	95
EG2-26	26.1 (1.59)	2500	65.2 (17.22)	500	13.0 (3.43)	95

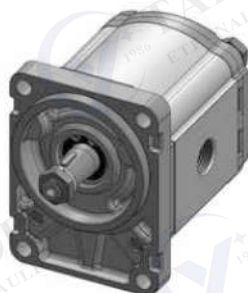
* Volumetric efficiency at 1500 rpm



STO
Standard flange



BZ0 / BN0
B50 C flange



B80
B80 C flange

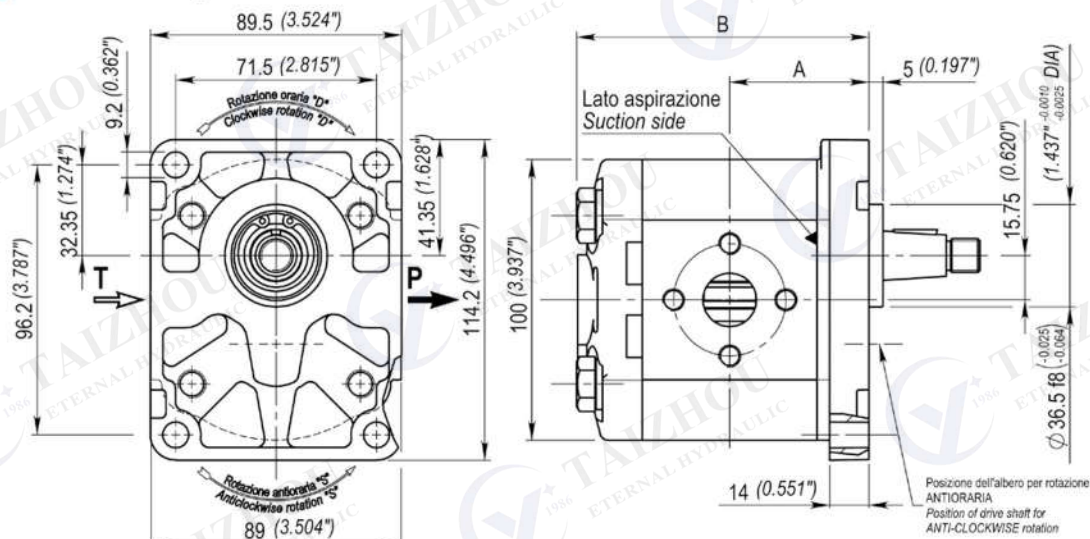


S20 / S21
Sae A / SAE A-OR flange



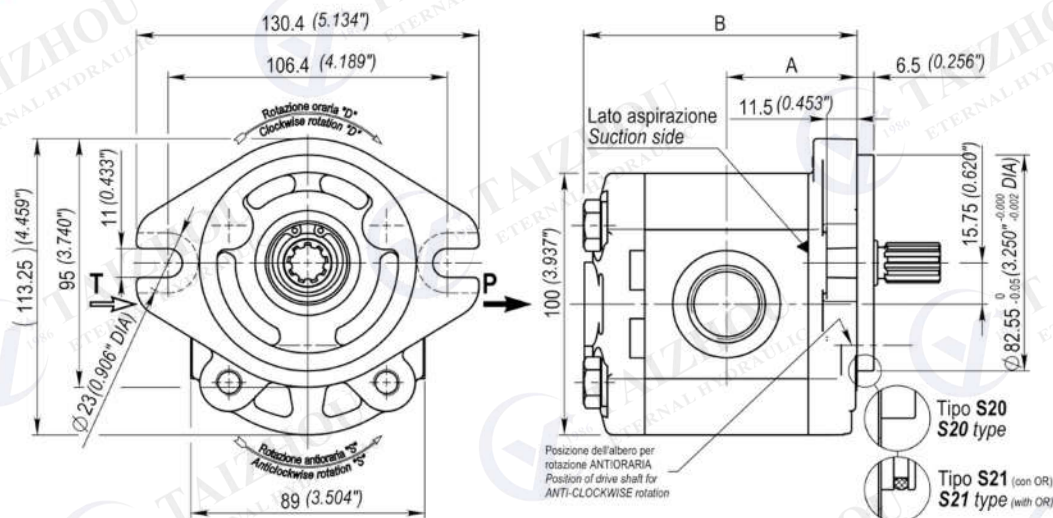
EZ1 / EN1
E52 C flange

Standard Flange ST0



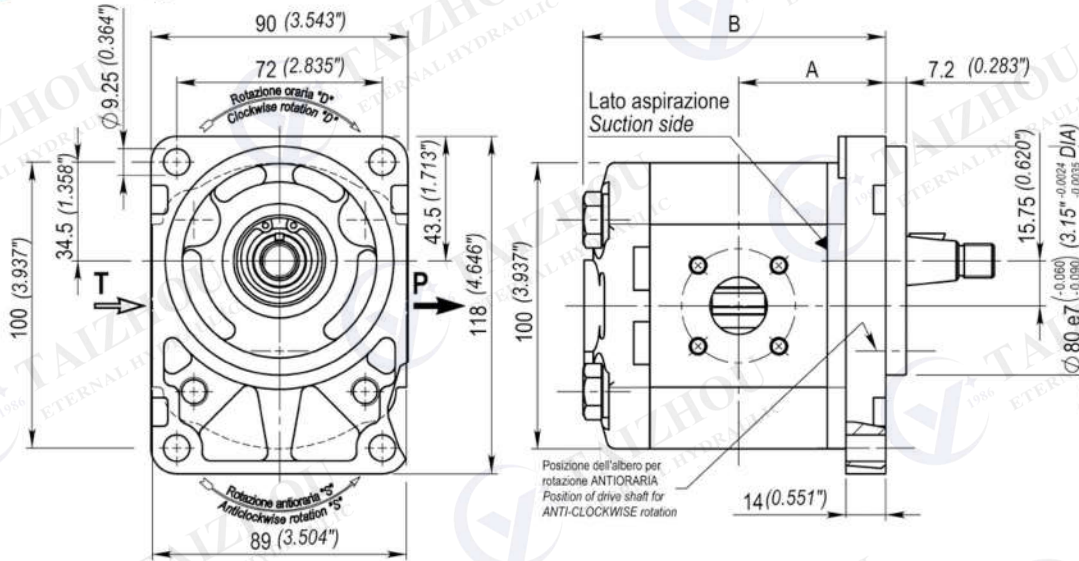
Size		EG2-04	EG2-06	EG2-08	EG2-11	EG2-14	EG2-17	EG2-20	EG2-23	EG2-26
Dimension	A mm(in)	43.9 (1.73)	45.5 (1.79)	47.3 (1.86)	49.6 (1.95)	52.2 (2.06)	54.3 (2.14)	56.7 (2.32)	59.3 (2.34)	62.1 (2.45)
	B mm(in)	92.6 (3.65)	95.9 (3.78)	99.4 (3.91)	104.1 (4.10)	109.2 (4.30)	113.4 (4.47)	118.2 (4.65)	123.4 (4.86)	129.0 (5.08)
Weight(kg)		2.16	2.25	2.27	2.46	2.6	2.72	2.85	2.99	3.15

SAE A S20/SAE A-OR S21 Flange



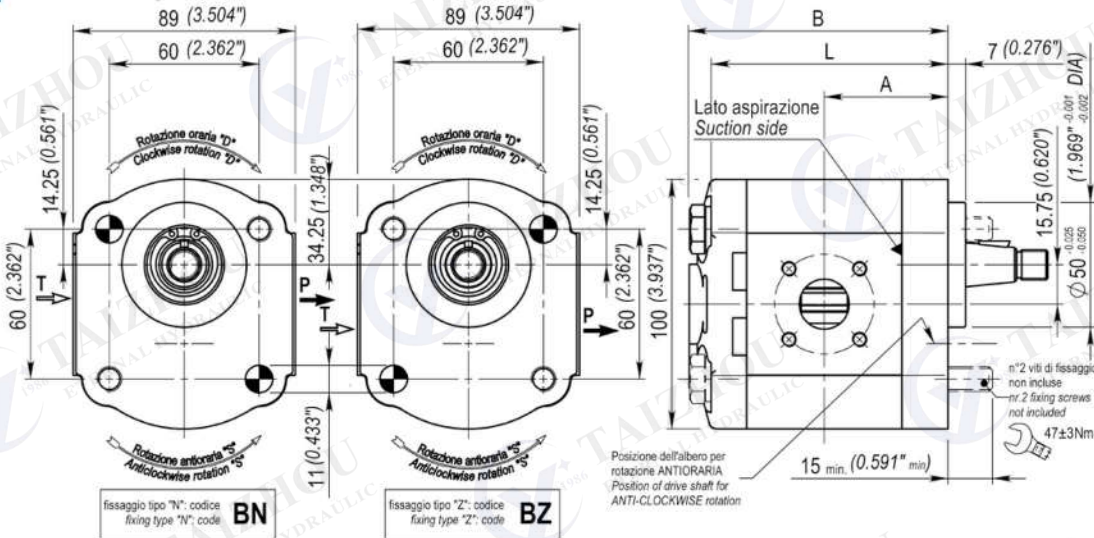
Size		EG2-04	EG2-06	EG2-08	EG2-11	EG2-14	EG2-17	EG2-20	EG2-23	EG2-26
Dimension	A mm(in)	43.9 (1.73)	45.5 (1.79)	47.3 (1.86)	49.6 (1.95)	52.2 (2.06)	54.3 (2.14)	56.7 (2.32)	59.3 (2.34)	62.1 (2.45)
	B mm(in)	92.6 (3.65)	95.9 (3.78)	99.4 (3.91)	104.1 (4.10)	109.2 (4.30)	113.4 (4.47)	118.2 (4.65)	123.4 (4.86)	129.0 (5.08)
Weight(kg)		2.18	2.26	2.36	2.48	2.62	2.73	2.87	3.01	3.16

B80 C Flange B80



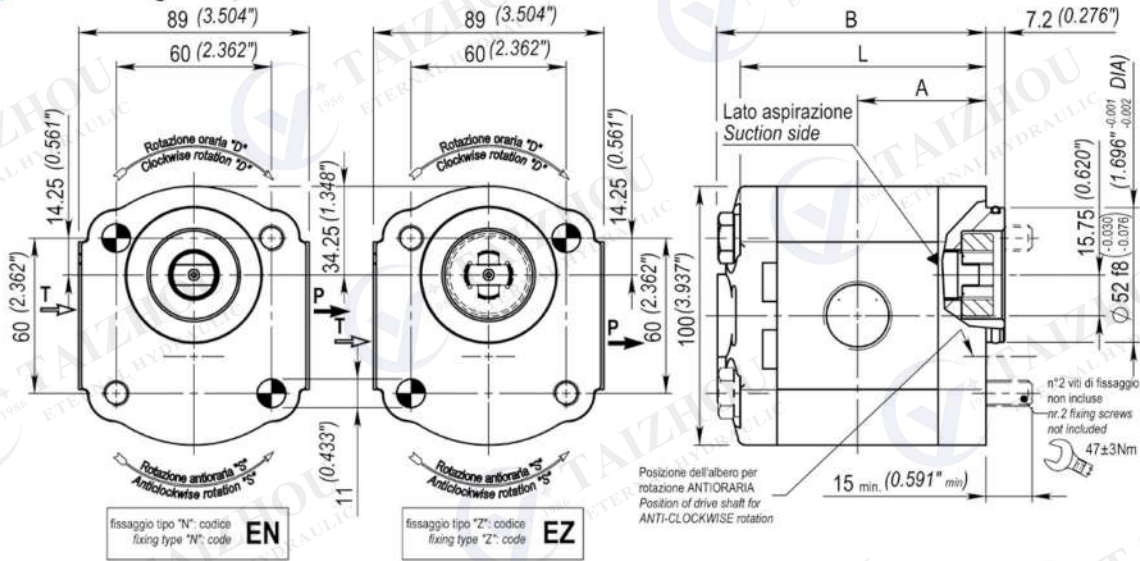
Size		EG2-04	EG2-06	EG2-08	EG2-11	EG2-14	EG2-17	EG2-20	EG2-23	EG2-26
Dimension	A	45.9	47.5	49.3	51.6	54.2	56.3	58.7	61.3	64.1
	mm(in)	(1.81)	(1.87)	(1.94)	(2.03)	(2.13)	(2.22)	(2.31)	(2.41)	(2.52)
Dimension	B	94.6	97.9	101.4	106.1	111.2	115.4	120.2	125.4	131.0
	mm(in)	(3.72)	(3.85)	(3.99)	(4.18)	(4.38)	(4.54)	(4.73)	(4.94)	(5.16)
Weight(kg)		2.23	2.31	2.41	2.52	2.66	2.79	2.92	3.07	3.21

B50 C Flange BZ0/BN0



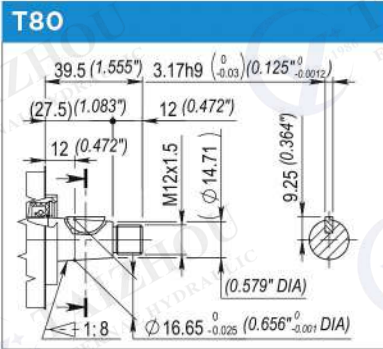
Size		EG2-04	EG2-06	EG2-08	EG2-11	EG2-14	EG2-17	EG2-20	EG2-23	EG2-26
Dimension	A	43.9	45.5	47.3	49.6	52.2	54.3	56.7	59.3	62.1
	mm(in)	(1.73)	(1.79)	(1.86)	(1.95)	(2.06)	(2.14)	(2.32)	(2.34)	(2.45)
	B	92.6	95.9	99.4	104.1	109.2	113.4	118.2	123.4	129.0
Dimension	mm(in)	(3.65)	(3.78)	(3.91)	(4.10)	(4.30)	(4.47)	(4.65)	(4.86)	(5.08)
	L	83.5	86.8	90.3	95.0	100.1	104.3	109.1	114.3	119.9
Dimension	mm(in)	(3.29)	(3.42)	(3.56)	(3.74)	(3.94)	(4.106)	(4.30)	(4.50)	(4.72)
	Weight(kg)	2	2.09	2.18	2.3	2.43	2.54	2.67	2.8	2.95

E50 C Flange EZ1/EN1

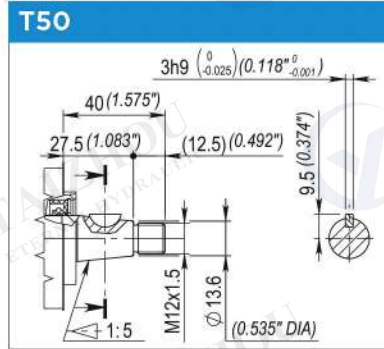


Size		EG2-04	EG2-06	EG2-08	EG2-11	EG2-14	EG2-17	EG2-20	EG2-23	EG2-26
Dimension	A	43.9	45.5	47.3	49.6	52.2	54.3	56.7	59.3	62.1
	mm(in)	(1.73)	(1.79)	(1.86)	(1.95)	(2.06)	(2.14)	(2.32)	(2.34)	(2.45)
	B	92.6	95.9	99.4	104.1	109.2	113.4	118.2	123.4	129.0
mm(in)	(3.65)	(3.78)	(3.91)	(4.10)	(4.30)	(4.47)	(4.65)	(4.86)	(5.08)	
L	83.5	86.8	90.3	95.0	100.1	104.3	109.1	114.3	119.9	
mm(in)	(3.29)	(3.42)	(3.56)	(3.74)	(3.94)	(4.106)	(4.30)	(4.50)	(4.72)	
Weight(kg)		1.91	1.99	2.08	2.2	2.33	2.44	2.57	2.71	2.85

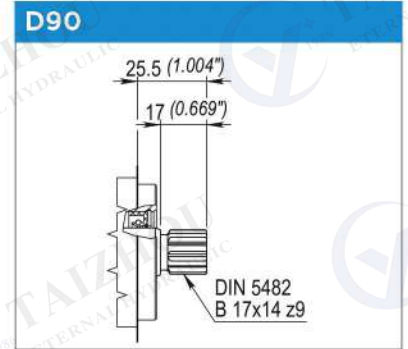
Shafts



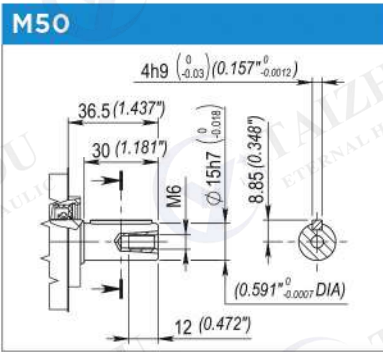
TAPER 1:8
Max torque 135 Nm



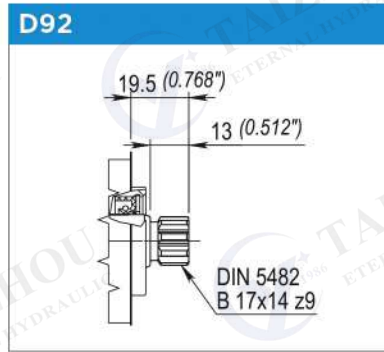
TAPER 1:5
Max torque 140 Nm



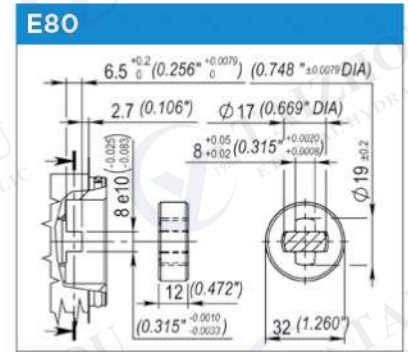
DIN Z9 GERMAN FLANGE
Max torque 110 Nm



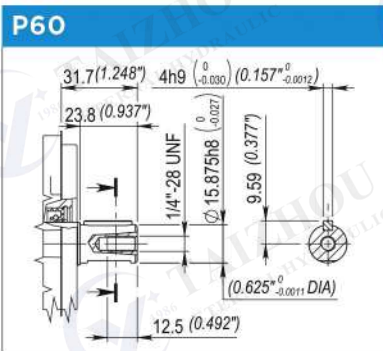
CYLINDRICAL
Max torque 90 Nm



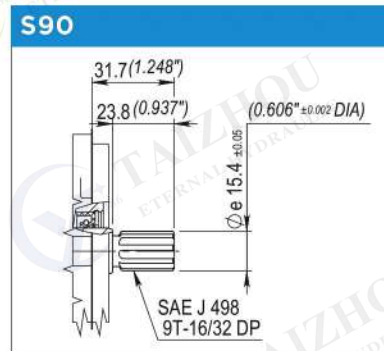
DIN Z9 STANDARD FLANGE
Max torque 110 Nm



TANG DRIVE FOR ELECTRIC MOTOR
Max torque 70 Nm



SAE CYLINDRICAL
Max torque 85 Nm



SAE SPLINED 9 TEETH
Max torque 85 Nm

When assembled with B80 C flange (B80 code) the shaft dimensions must be reduced by 0.079 In. (2 mm)

Port Dimension

Inlet Port

Outlet Port

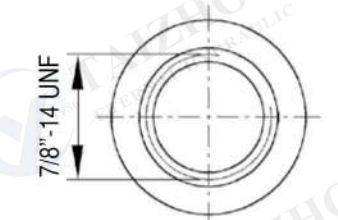
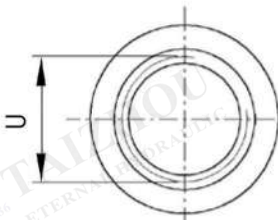
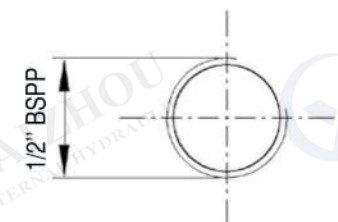
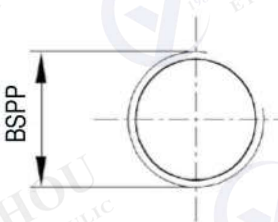
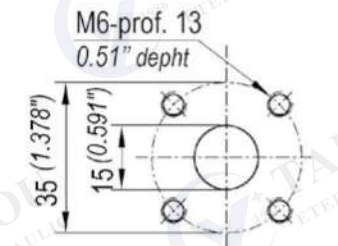
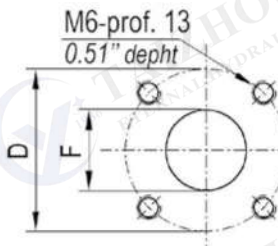
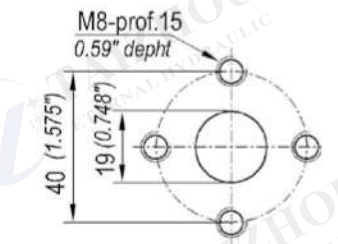
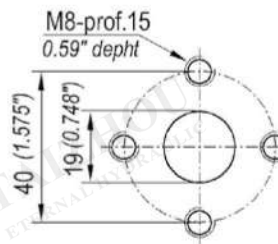
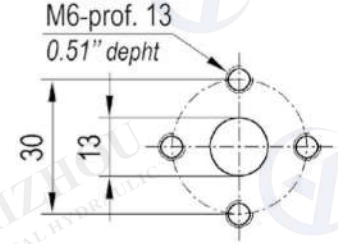
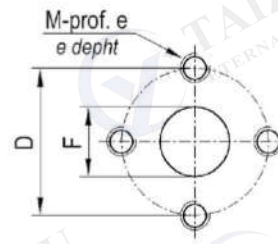
EUROPEAN STANDARD					
Size	Code	D	F	M	e
04-08	EE4	30 (1.18)	13 (0.51)	M6	13 (0.51)
11-26	EE5	40 (1.58)	19 (0.75)	M8	15 (0.59)

EUROPEAN STANDARD FOR MOTORS	
Size	Code
04-08	/
11-26	EE6

GERMAN UNIFICATION			
Size	Code	D	F
04-08	TT4	35 (1.38)	15 (0.59)
11-26	TT5	40 (1.58)	20 (0.79)

BSPP THREADS		
Size	Code	BSPP
04-08	GG4	1/2" BSPP
11-26	GG5	3/4" BSPP

FILETTATURE SAE - SAE THREADS		
Size	Code	U
04-08	UU4	7/8"-14 UNF
11-26	UU6	1-1/16"-12 UNF



型号说明 Model Code

①	EG3	CODE	
②	A	FLANGE AND COVER	A Aluminium G Cast iron (Heavy duty)
③	19	DISPLACEMENT	19 22 28 33 37 44 52 61 19.05 22.2 28.3 33.2 37.2 43.98 51.9 61.4
④	ST0	FLANGE	ST0 S20/S21
⑤	T80	SHAFT	T80 S30 P20
⑥	EE5	CONNECTION	EE5 TT5 GG5 UU5
⑦	D	ROTATION	D Clockwise rotation S Anticlockwise rotation
⑧	0	STANDARD COVER	0 Standard
⑨	0	SEALS	0 Nbr seals V Viton® seals

性能参数 Specification

Size	Displacement (in ³ /rev)	Max speed rpm	Max flow (gpm)	Min speed rpm	Min flow (gpm)	Min Volum. Effic.* %
EG3-19	19.05 (1.22)	3500	66.7 (17.6)	700	13.3 (3.51)	95
EG3-22	22.2 (1.42)	3500	77.8 (20.5)	700	15.6 (4.12)	95
EG3-28	28.3 (1.82)	3300	93.5 (24.7)	700	19.8 (5.23)	95
EG3-33	33.2 (2.13)	3300	109.4 (28.9)	700	23.2 (6.12)	95
EG3-37	37.2 (2.38)	3300	122.6 (32.4)	700	26.0 (6.86)	95
EG3-44	43.98 (2.82)	3000	131.9 (34.8)	700	30.8 (8.13)	95
EG3-52	51.9 (3.33)	3000	155.6 (41.1)	700	36.3 (9.58)	95
EG3-61	61.4 (3.94)	2500	153.5 (40.5)	700	43.0 (11.35)	95

* Volumetric efficiency at 1500 rpm

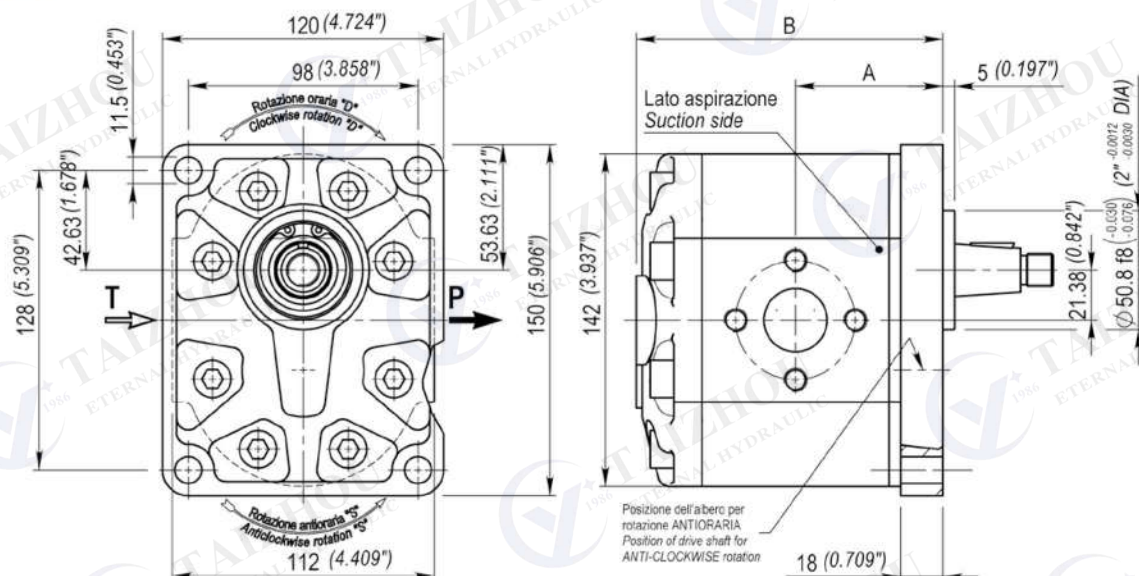


ST0
Standard flange



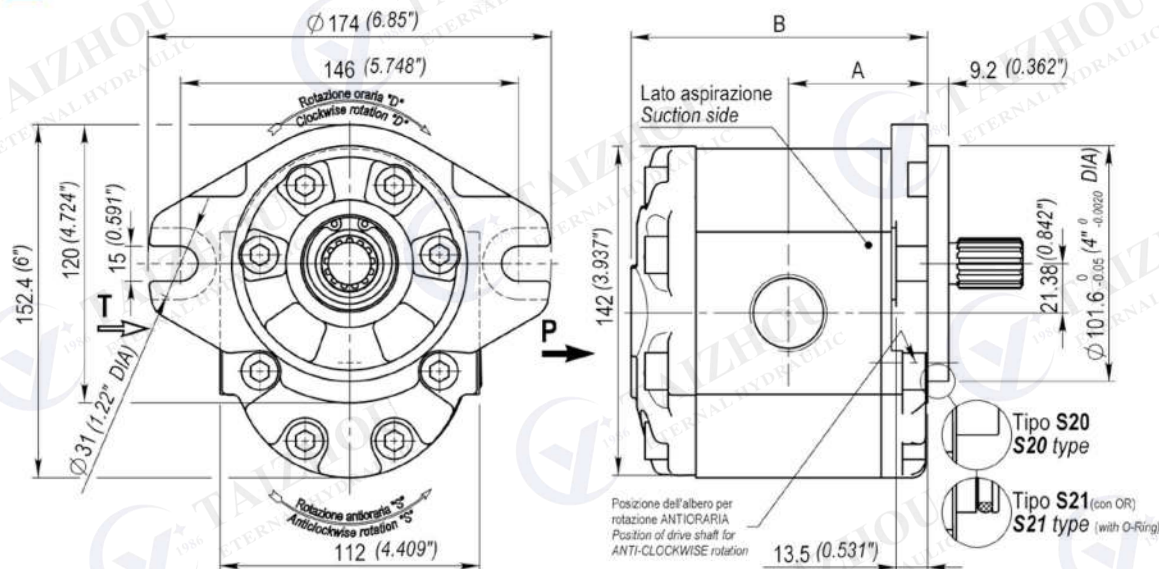
S20 / S21
Sae A / SAE A-OR flange

Standard Flange ST0



Size		EG3-19	EG3-22	EG3-28	EG3-33	EG3-37	EG3-44	EG3-52	EG3-61
Dimension	A	62.95	64.3	66.9	68.9	70.6	73.6	76.9	81
	mm(in)	(2.48)	(2.53)	(2.63)	(2.71)	(2.78)	(2.90)	(3.03)	(3.19)
Dimension	B	130.9	133.6	138.8	142.9	146.3	152.1	158.8	166.9
	mm(in)	(5.15)	(5.26)	(5.46)	(5.63)	(5.76)	(5.99)	(6.25)	(6.57)
Weight(kg)		4.98	5.1	5.34	5.52	5.68	5.93	6.24	6.6

SAE B S20/SAE B -OR S21 Flange



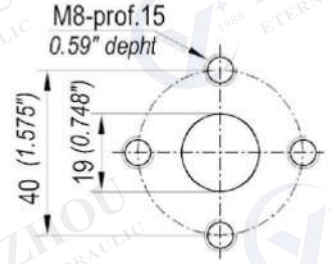
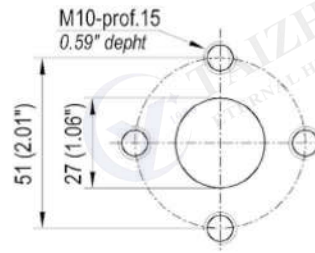
Size		EG3-19	EG3-22	EG3-28	EG3-33	EG3-37	EG3-44	EG3-52	EG3-61
Dimension	A	60.2	61.5	64.1	66.2	67.9	70.8	74.1	78.2
	mm(in)	(2.37)	(2.42)	(2.52)	(2.60)	(2.67)	(2.79)	(2.92)	(3.08)
Dimension	B	128	130.8	136	140.1	143.5	149.3	156	164.1
	mm(in)	(5.04)	(5.15)	(5.35)	(5.52)	(5.65)	(5.88)	(6.14)	(6.46)
Weight(kg)		4.98	5.1	5.34	5.52	5.68	5.93	6.24	6.6

Port Dimension

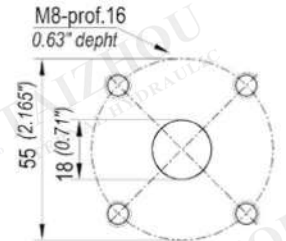
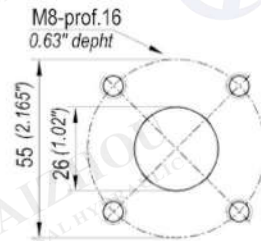
Inlet Port

Outlet Port

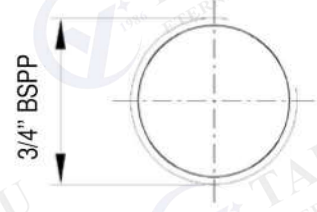
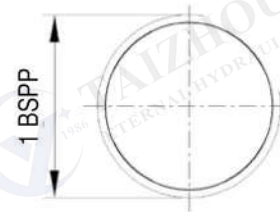
EUROPEAN STANDARD	
Size	Code
19 - 61	EES



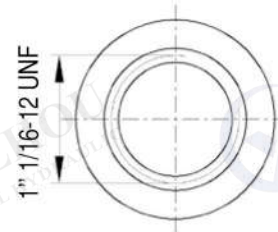
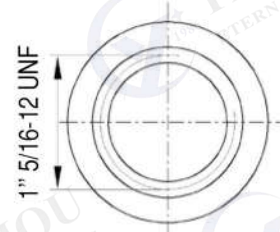
GERMAN UNIFICATION	
Size	Code
19 - 61	TT5



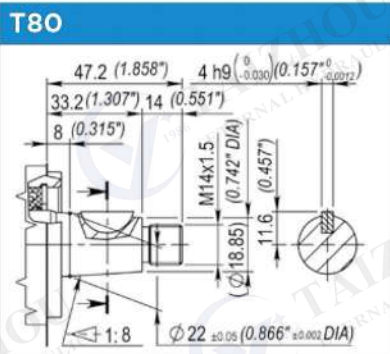
BSPP THREADS	
Size	Code
19 - 61	GG5



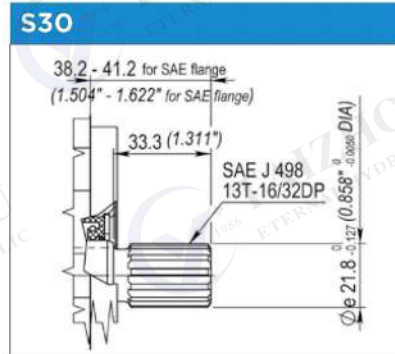
SAE THREADS	
Size	Code
19 - 61	UU5



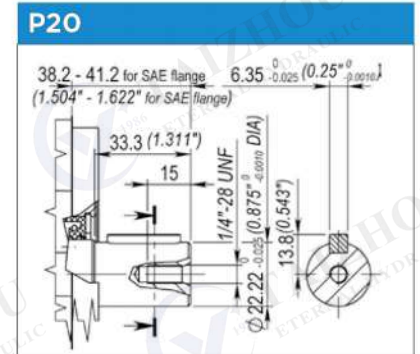
Shafts



TAPER 1:8
Max torque 280 Nm



SAE SPLINED
Max torque 300 Nm



SAE CYLINDRICAL
Max torque 220 Nm

SGP1 系列齿轮泵 SGP1 gear oil pumps



型号说明 Model Code

SGP1 — 32 D 2 H 1 — L xxx
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ①SGP1 Series
- ②法兰止口尺寸 Mounting spigot diameter
—: $\Phi 82_{-0.086}^{+0.051}$ A: $\Phi 82.55_{+0.05}^0$
C: $\Phi 80_{-0.046}^0$ B: $\Phi 85_{-0.09}^{+0.036}$
- ③公称排量 (毫升/转)
Nominal displacement (ml/r)
19、23、25、27、30、32、34、36
- ④油口位置 Position of ports
D. 后面油口 Rear port
F. 侧面油口 (在后盖上) Side port (on cover rear)
A. 侧面油口 (在泵体上) Side port (on body)
- ⑤油口形式 Port type
1. SAE 法兰油口 (只用于侧面)
SAE flange port (side only)
进油口 Inlet: $\Phi 25$; 52.4*26.2; 4-M10*1.25
出油口 Outlet: $\Phi 20$; 47.6*22.2; 4-M10*1.25
2. G 螺纹 (JISB2351) 同PF 螺纹
G screw thread (JISB2351) same as PF

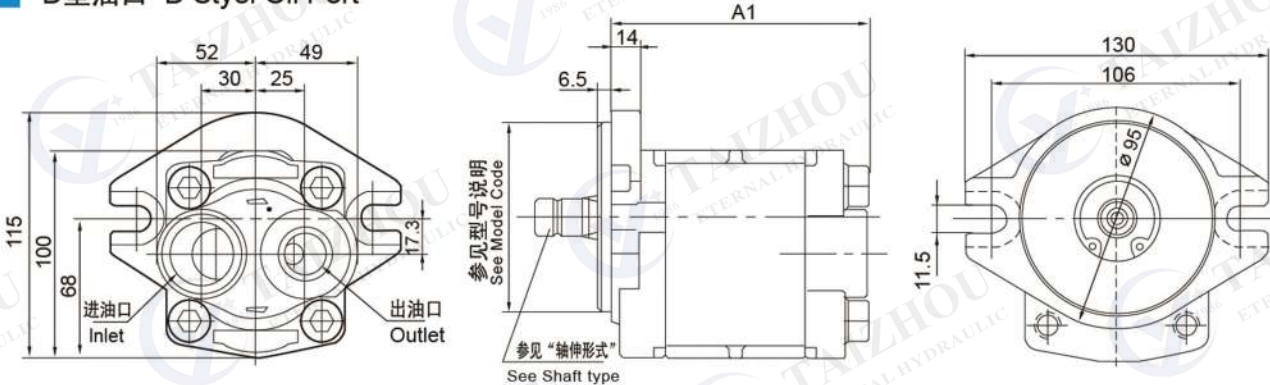
Mark	G	G1	G2	G3
进油口 Inlet	G1	G1	G1½	G1½
出油口 Outlet	G½	G¾	G1½	G¾

- 3. UNF 螺纹 UNF screw thread
- 4. 公制螺纹 Metric screw thread
- 9. 特殊 Special
- ⑥安装方式 Mounting
H: 水平方向2个螺栓中心距 Horizontal 2 bolts:106
H1: 水平方向2个螺栓中心距 Horizontal 2 bolts:130
- ⑦轴伸方式 Shaft type
1. SAE 花键 SAE spline: 16/32DP, 齿数 Teeth No.: 13, 长 Length: 42
2. 平键圆柱 (轴伸直径 $\Phi 20$) Straight spline (dia. $\Phi 20$)
5. SAE 花键 SAE spline: 16/32DP, 齿数 Teeth No.: 10, 长 Length: 33
H. 矩形花键 Rectangle spline: 6-20*16*4, 长 Length: 70
H1. 矩形花键 Rectangle spline: 6-20*16*4, 长 Length: 41.5
- 9. 特殊 Special
- ⑧旋转方向 (轴端看) Direction of rotation (from shaft end)
L: 左旋 (逆时针) Left rotation (counterclockwise)
R: 右旋 (顺时针) Right rotation (clockwise)
- ⑨设计序号 Code number

性能参数 Specification

型号 Model	公称排量 Nominal displacement (ml/r)	压力 Pressure (Mpa)		转速 Rotation speed (r/min)			容积效率 Volumetric Efficiency (≥%)	L	重量 Weight (kg)
		额定 Rated	最高 Max	最低 Min	额定 Rated	最高 Max			
SGP1-19	19	20	25	600	2500	3000	92	115.5	3.5
SGP1-23	23							118.5	3.7
SGP1-25	25							122.5	4.0
SGP1-27	27							124.5	4.0
SGP1-30	30							126.5	4.1
SGP1-32	32							131.5	4.3
SGP1-34	34							136.5	4.5
SGP1-36	36							136.5	4.5

D型油口 D Style Oil Port



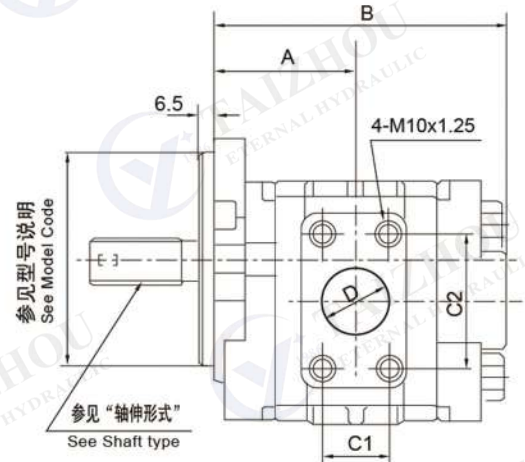
后进后出 (Rear Port)

排量 Displacement	23	25	27	30	32	36
A1	117	118	122	124	128	132

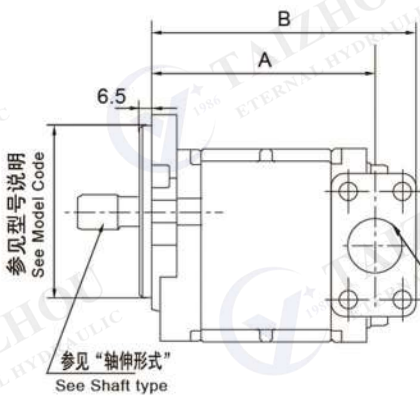
A型油口 A Style Oil Port

侧面油口 (Side Port)

排量 Displacement	A	B	进油口 Inlet port			出油口 outlet port		
			C1	C2	D	C1	C2	D
30	64.3	124						
32	66.3	128	26.2	52.4	25	22.2	47.6	20
36	68.3	132						



F型油口 F Style Oil Port

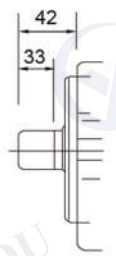


排量 Displacement	A	B
23	107.0	130.5
25	108.5	132
27	112.0	135.5
30	114.5	138
32	118.5	142.0
36	122.5	146.0

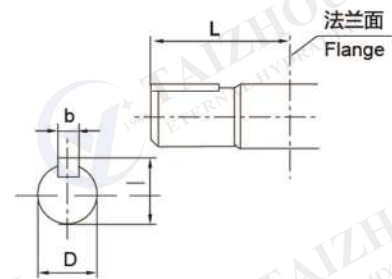
法兰油口
Flange Port

2: 平键 Straight Spline

- 1: SAE 标准
齿数 Tooth No. 13
D. P. 16/32
压力角 Pressure angle 30°
C. P. O. 1963”
外径 Outer dia.
ø 21.80
ø 21.68
齿底径 Inner dia. ø 18.63

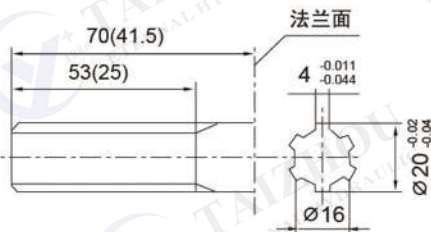


- 5: SAE 标准
齿数 Tooth No.10
D. P. 16/32
压力角 Pressure angle 30°
C. P. O. 1963”
外径 Outer dia.
ø 17.043
ø 16.916
齿底径 Inner dia. ø 13.86



H, H1: 矩形花键

9: 特殊定货 Special ord



()内尺寸为H1号轴伸尺寸

轴伸形式 Shaft end	D	b	l	L
2号平键 Straight spline NO.2	20	6	22.5	42

SGP2 系列齿轮泵 SGP2 gear oil pumps



型号说明 Model Code

SGP2 — 36 D 1 H 1 — L ***
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

①SGP2 Series

②法兰止口尺寸 Mounting spigot diameter

— : $\Phi 82_{-0.090}^{+0.036}$ Z: $\Phi 102_{-0.090}^{+0.036}$
A : $\Phi 82.55_{-0.05}^{+0.00}$ B: $\Phi 101.6_{-0.05}^{+0.00}$

③公称排量 (毫升/转)

Nominal displacement (ml/r)

32.36.40.44.48.52

④油口位置 Position of ports

D. 后面油口 Rear port

F. 侧面油口 (在后盖上) Side port (on rear cover)

A. 侧面油口 (在泵体上) Side port (on body)

⑤油口形式 Port type

1. SAE 法兰油口

进油口 Inlet: $\Phi 25$; 52.4*26.2; 4-M10*1.25

出油口 Outlet: $\Phi 20$; 47.6*22.2; 4-M10*1.25

2. G 螺纹 (JISB2351) 同 PF 螺纹

G screw thread (JISB2351) same as PF

进油口 inlet: G1 出油口 Outlet: G3/4

9. 特殊 Special

⑥安装方式 Mounting

H: 水平方向2个螺栓中心距 Horizontal 2 bolts:106

H1: 水平方向2个螺栓中心距 Horizontal 2 bolts:130

⑦轴伸方式 Shaft type

1. SAE 花键 SAE spline: 16/32DP 齿数 Teeth No.:13, 长 Length:42

2. 平键圆柱 (轴伸直径 $\Phi 20$) Straight spline (dia. $\Phi 20$)

9. 特殊 Special

⑧旋转方向 (轴端看) Direction of rotation (from shaft end)

L: 左旋 (逆时针) Left rotation (counterclockwise)

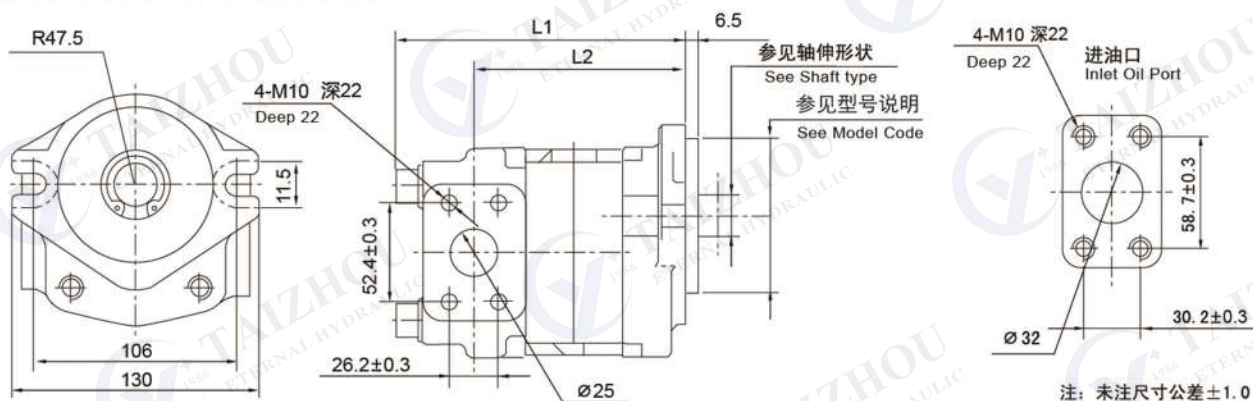
R: 右旋 (顺时针) Right rotation (clockwise)

⑨设计序号 Code number

性能参数 Specification

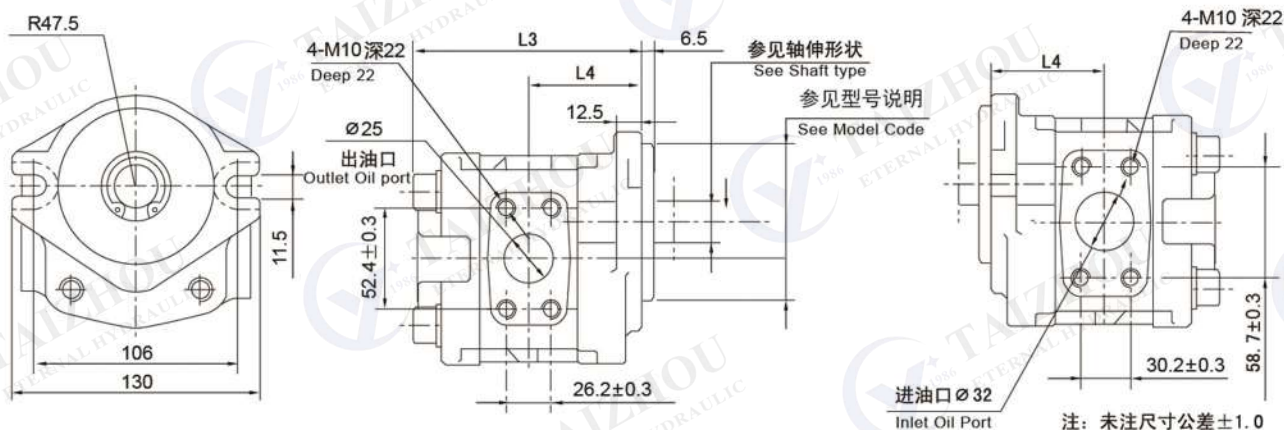
型号 Model	公称排量 Nominal displacement (ml/r)	压力 Pressure (Mpa)		转速 Rotation speed (r/min)		进油口压力 Inlet pressure Mpa	重量 Weight (kg)
		额定 Rated	最高 Max	最低 Min	最高 Max		
SGP2-32	32	24.5	29.4	400	3000	-0.02~0.2	5.7(5.1)
SGP2-36	36				5.9(5.3)		
SGP2-40	40	22.6	27.5		3000(2500)		6.1(5.4)
SGP2-44	44	20.6	24.5		3000(2500)		6.3(5.6)
SGP2-48	48	18.6	22.6				6.6 (5.9)
SGP2-52	52	17.2	20.6				6.8 (6.1)

SGP2-XXF1HX-LXXXX



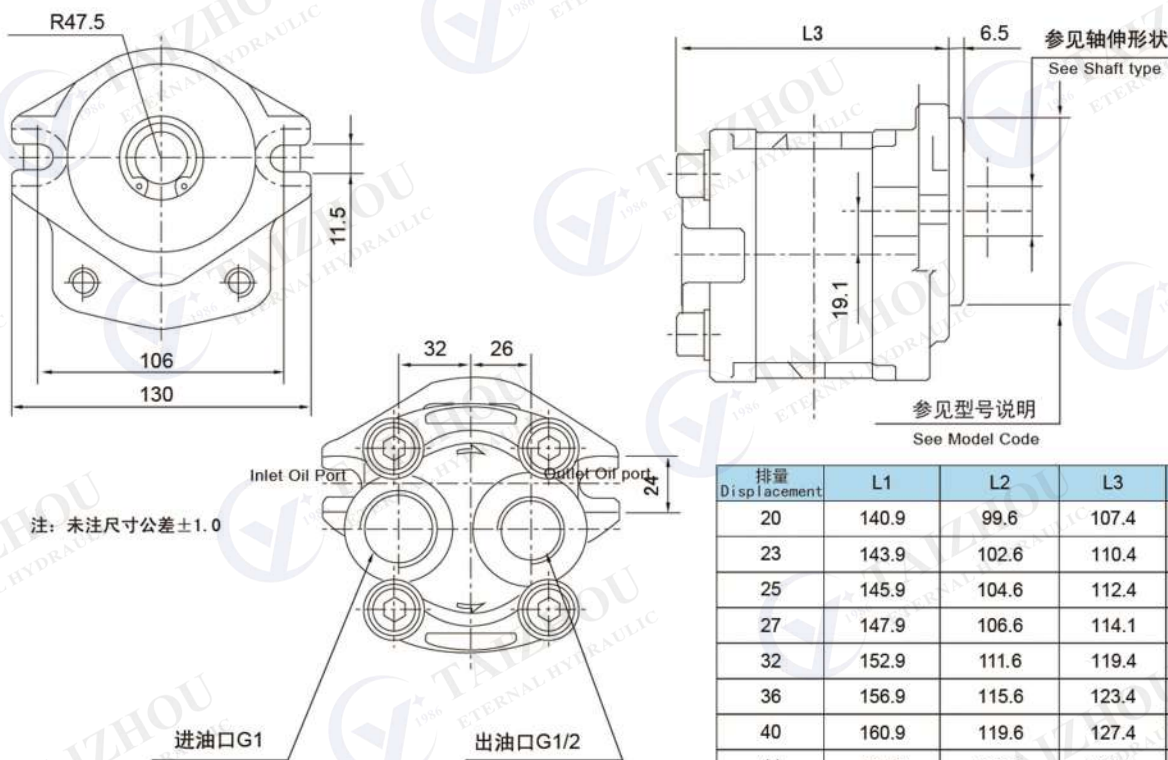
ETL-G/ 03

SGP2-XXA1HX-LXXXX



注：未注尺寸公差±1.0

SGP2-XXD2HX-LXXXX

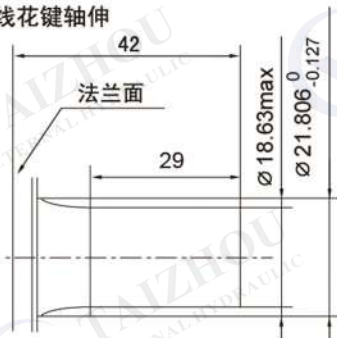


注：未注尺寸公差±1.0

排量 Displacement	L1	L2	L3	L4
20	140.9	99.6	107.4	52.8
23	143.9	102.6	110.4	54.3
25	145.9	104.6	112.4	55.3
27	147.9	106.6	114.1	56.3
32	152.9	111.6	119.4	58.8
36	156.9	115.6	123.4	60.8
40	160.9	119.6	127.4	62.8
44	164.9	123.6	131.4	64.8
48	168.9	127.6	135.4	66.8
52	172.9	131.6	139.4	68.8

轴伸形状

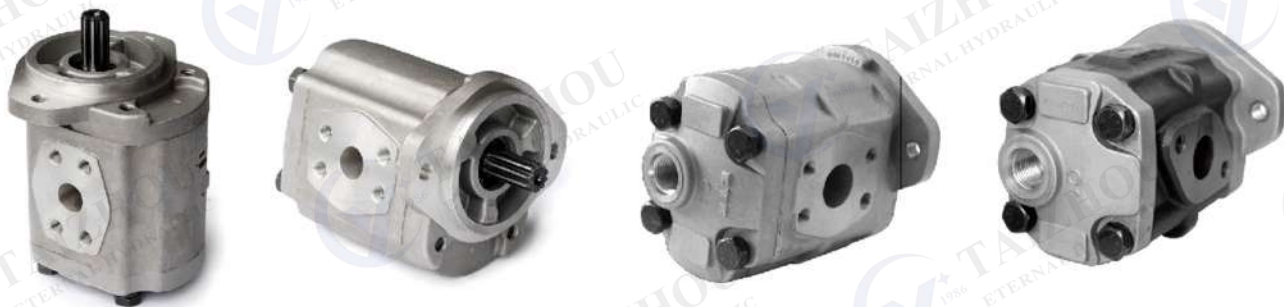
SAE渐开线花键轴伸



1: SAE 标准
齿数 Tooth No. 13
D. P. 16/32
压力角 Pressure angle 30°
C. P. O. 1963"
外径 Outer dia.
 $\varnothing 21.80$
 $\varnothing 21.68$
齿底径 Inner dia. $\varnothing 18.63$



KZP4/KRP4 系列齿轮泵 KZP4/KRP4 series gear pumps



型号说明 Model Code

KZP4、KRP4 — 7 A P S R B
① ② ③ ④ ⑤ ⑥

① KZP4、KRP4

② 公称排量 (毫升/转)
Nominal displacement (ml/r)
19. 23. 27. 33

③ 旋转方向 (轴端看)
Direction of rotation (from shaft end)
A: 左旋 (逆时针) Left rotation (counterclockwise)
C: 右旋 (顺时针) Right rotation (clockwise)

④ 轴伸方式 Shaft type
P 平键 straight shaft S: SAE 花键 SAE spline
T 锥度轴 Taper shaft X: 渐开式花键 Involute spline

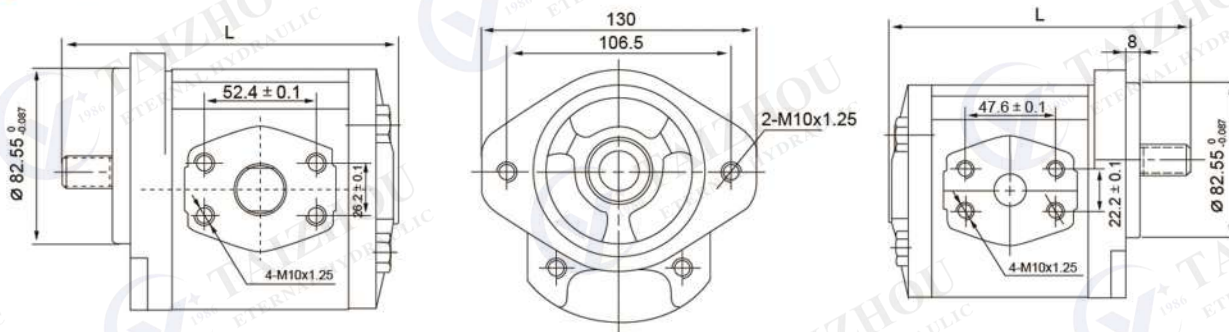
⑤ 油口形式 Port configuration
S. SAE 法兰油口 SAE flange port
进油口 Inlet: $\Phi 25; 52.4 \times 26.2; 3/8-16UNC (M10 \times 1.25)$
出油口 Outlet: $\Phi 18; 47.6 \times 22.2; 3/8-16UNC (M10 \times 1.25)$
D. 进油口 Inlet: SAE 法兰 SAE flange
出油口 Outlet: 7/8-14UNF

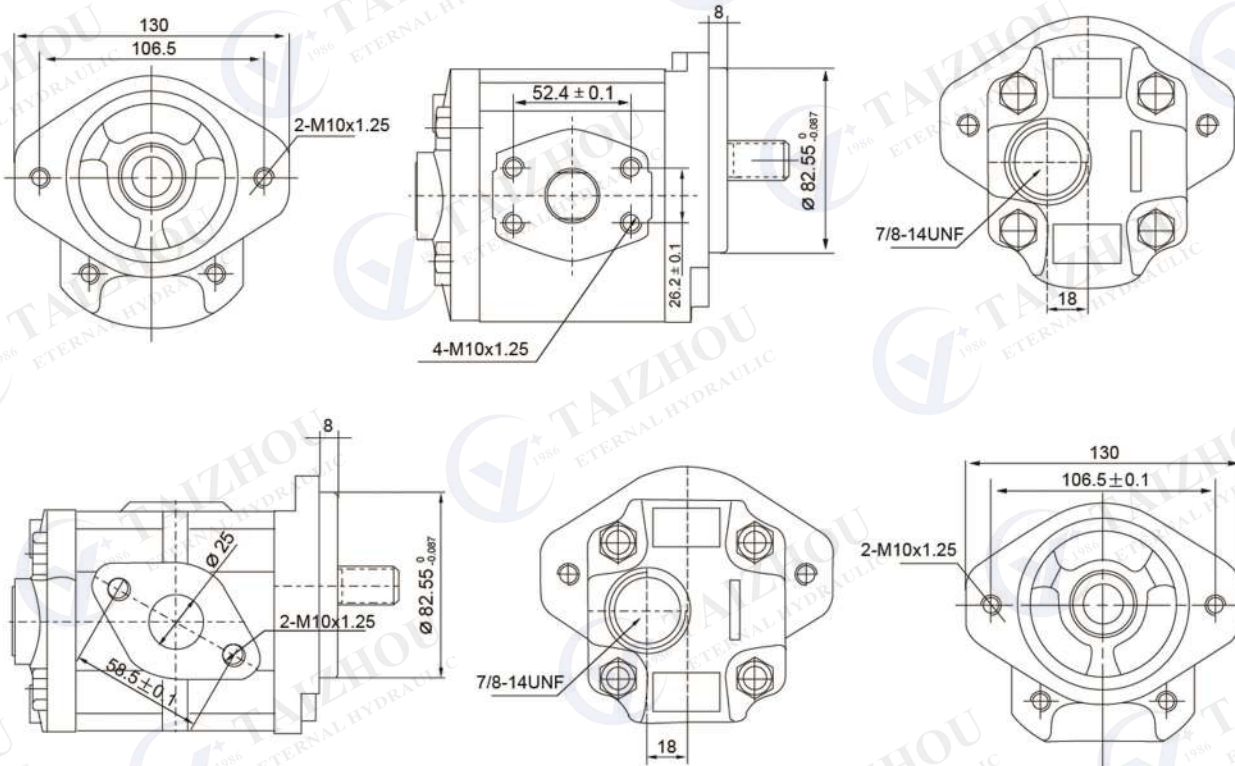
S: SAE 螺纹油口形式
SAE screw thread port
进油口 Inlet: $1\frac{1}{8}-12UNC$
出油口 Outlet: 7/8-14UNF
⑥ 油口位置 Position of ports
R 进油口在侧面 (在泵体上)
Inlet, outlet both at the side (on body)
A 进油口在泵体上, 出油口在泵盖上
Inlet on body, outlet on cover front
⑦ 安装方式 Mounting
B. 水平方向2个螺栓中心距 Horizontal 2 bolts: 106.2
螺栓 Bolts: M10*1.25
C. 水平方向2个螺栓中心距 Horizontal 2 bolts: 106.2
内孔 Inner bore: $\Phi 11$
D. 水平方向2个螺栓中心距 Horizontal 2 bolts: 106.2
开口 Opening

性能参数 Specification

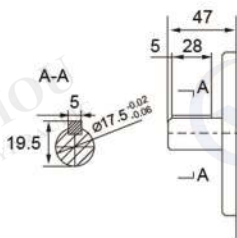
型号 Model	公称排量 Nominal displacement (ml/r)	最高压力 Max Pressure (Mpa)	转速 Rotation speed (r/min)		重量 Weight (kg)
			最低 Min	最高 Max	
KZP4/KRP4-19	19.2	17.2	650	3500	3.2
KZP4/KRP4-23	22.9			3000	3.3
KZP4/KRP4-27	26.5	15.7		2500	3.4
KZP4/KRP4-33	33.3	13.7			3.5

尺寸图 Dimension





平键 Straight shaft

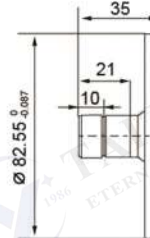


渐开线花键 Involute spline



渐开线花键 Involute spline	
齿数 Teeth No.	13
径节 D.P	16/32
压力角 Pressure angle	30°
大径 Major diameter	$\phi 17.5_{-0.06}^{+0.02}$
小径 Minor diameter	$\phi 13.5_{-0.1}^0$

SAE花键 SAE spline



SAE花键 SAE Spline	
齿数 Teeth No	10
模数 Modulus	1.5
压力角 Pressure angle	30°
大径 Major diameter	$\phi 17.5_{-0.06}^{+0.02}$
小径 Minor diameter	$\phi 13.9_{-0.1}^0$



SGP系列双联齿轮泵
SGP Double Gear Pump



KZP4系列双联齿轮泵
KZP4 Double Gear Pump



CBW/FA-E系列齿轮泵
CBW/FA-E Gear Pump



SDY系列齿轮泵
SDY Gear Pump



CBKL-G/G系列齿轮泵
CBKL-G/G Gear Pump



CBTLZT-F/F系列齿轮泵
CBTLZT-F/F Gear Pump



CBK-G4**系列齿轮泵
CBK-G4** Gear Pump



CBQ-F550 系列齿轮泵
CBQ-F550 Gear Pump



CBF-E440 系列齿轮泵
CBF-E440 Gear Pump



NB-A10/20 补油泵
NB-A10/20 Transmission Oil Pump



KZ-A10C 控制阀
KZ-A10C Transmission Valve



CDB7-F** 系列多路阀
CDB7-F** Series Directional Valve

HGP&GPY系列齿轮泵

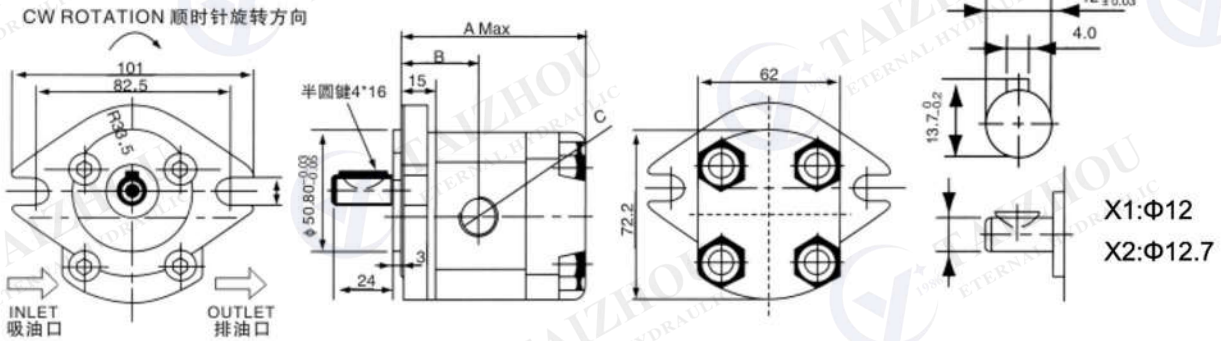
HGP&GPY Series Gear Pump



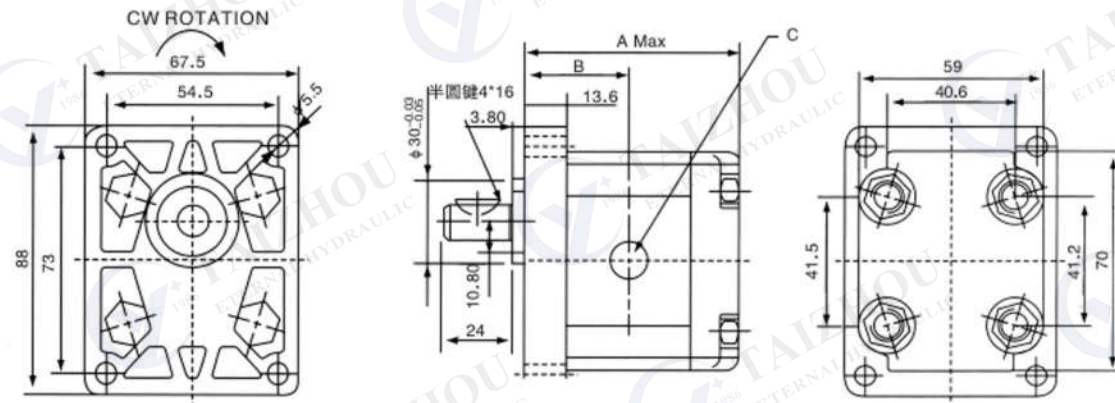
HGP-1A	-F	8	R	-X	2B			
型号 Model	安装型式 Installation	排量 Displacement	旋向 Rotation	轴伸型式 Shaft	法兰型式 Flange Type			
HGP-1A PR1	F: 法兰 Flange	1,2,3,4,5,6,8	(从轴端看) (Viewed from Shaft) R: 顺时针 CW L: 逆时针 CCW	X: 平键Key Shaft Y: 花键Spline S: 锥轴Taper	2B, 4BD, 4DE			
HGP-2A PR2		2,3,4,6,8,9,11,12			4JB			
HGP-3A		6,8,11,13,14,17,19,23,25,28,30			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			
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/cm ²)	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			DV24V	40				6.5

■ 尺寸图 Dimension

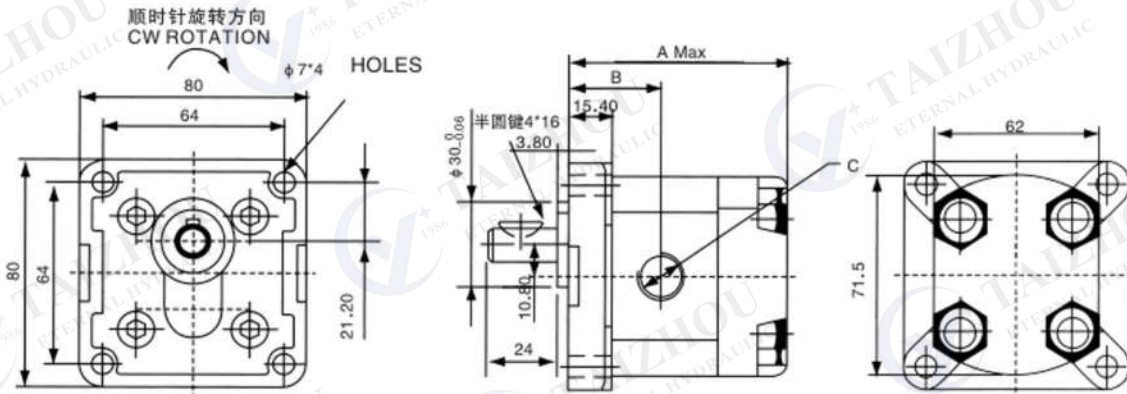
HGP-1A-F*-**-2B-10(SAE 2-bolt)



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



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

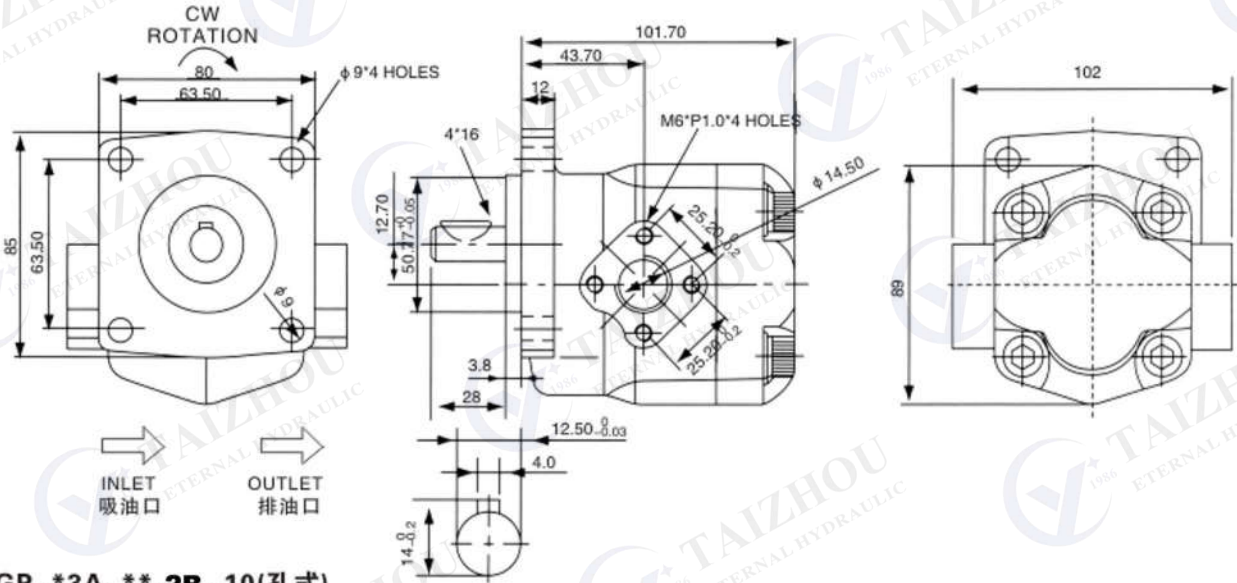


■ 性能参数 Specification

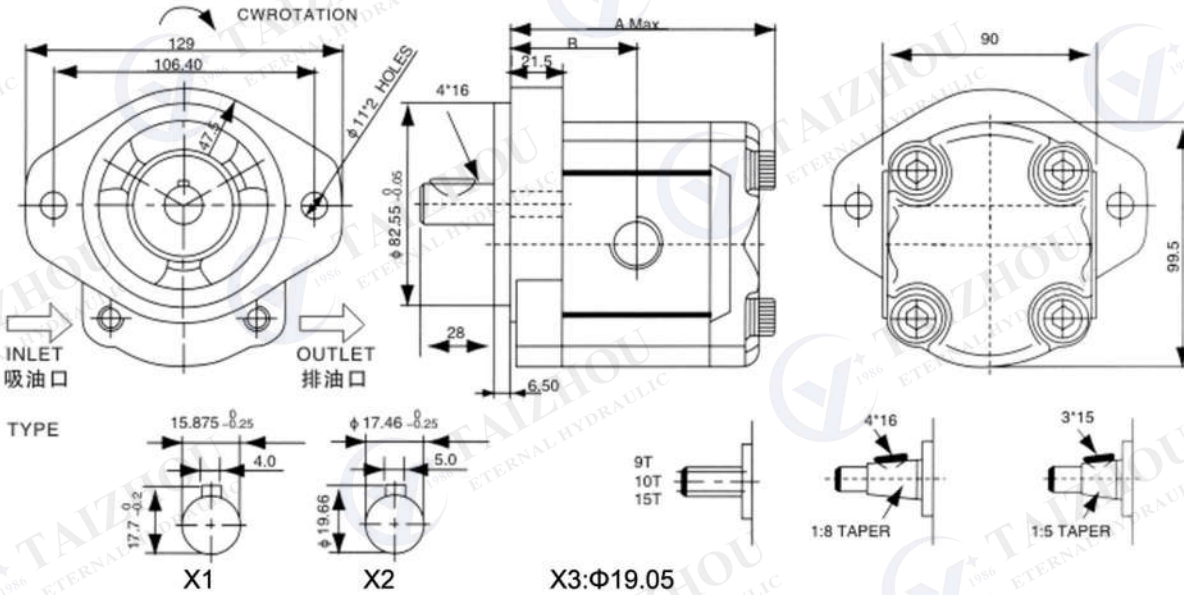
型号 Model	Dimension A mm	Dimension B mm	C-Inlet	D-Outlet
HGP-1A-F08*	75	36.5	3/8"PT	3/8"PT
HGP-1A-F1*	77	38.5	3/8"PT	3/8"PT
HGP-1A-F2*	80.5	40.25	3/8"PT	3/8"PT
HGP-1A-F3*	86	43	3/8"PT	3/8"PT
HGP-1A-F4*	88	44	3/8"PT	3/8"PT
HGP-1A-F5*	92	46	3/8"PT	3/8"PT
HGP-1A-F6*	96	48	3/8"PT	3/8"PT
HGP-1A-F8*	102k	51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

■ 尺寸图 Dimension

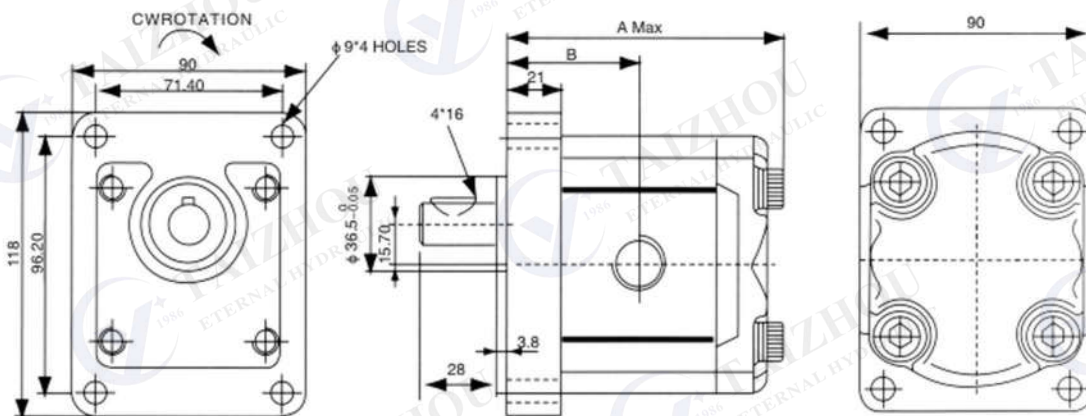
HGP-2A Series



HGP-*3A-*2B-10(孔式)

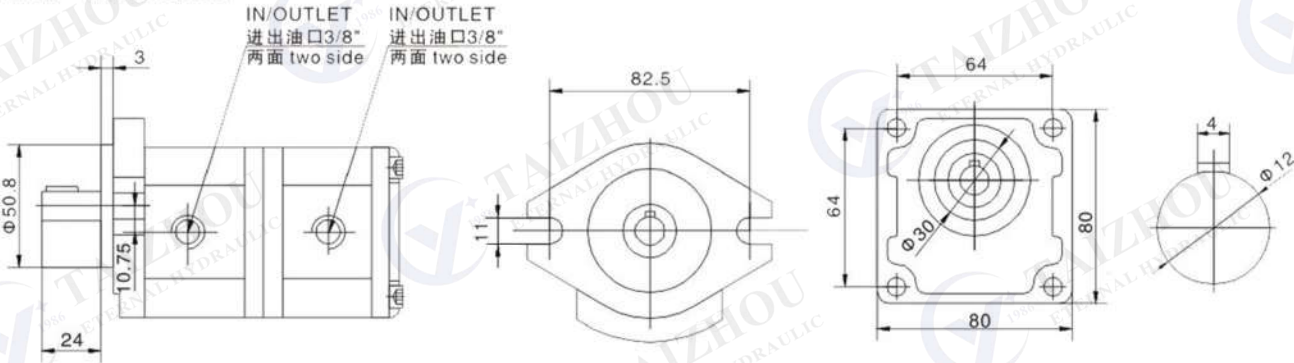


HGP-*3A-*4BD-10(孔式)

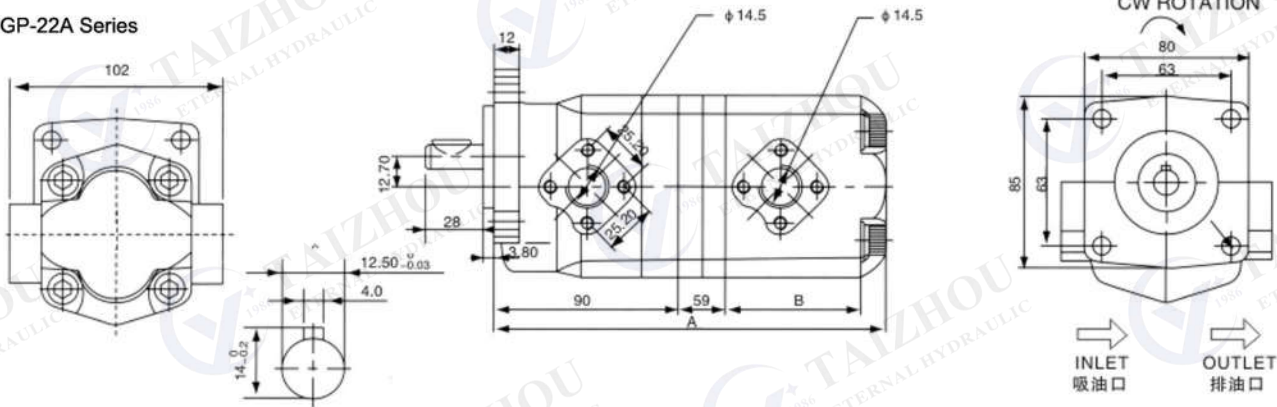


尺寸图 Dimension

HGP-11A Series



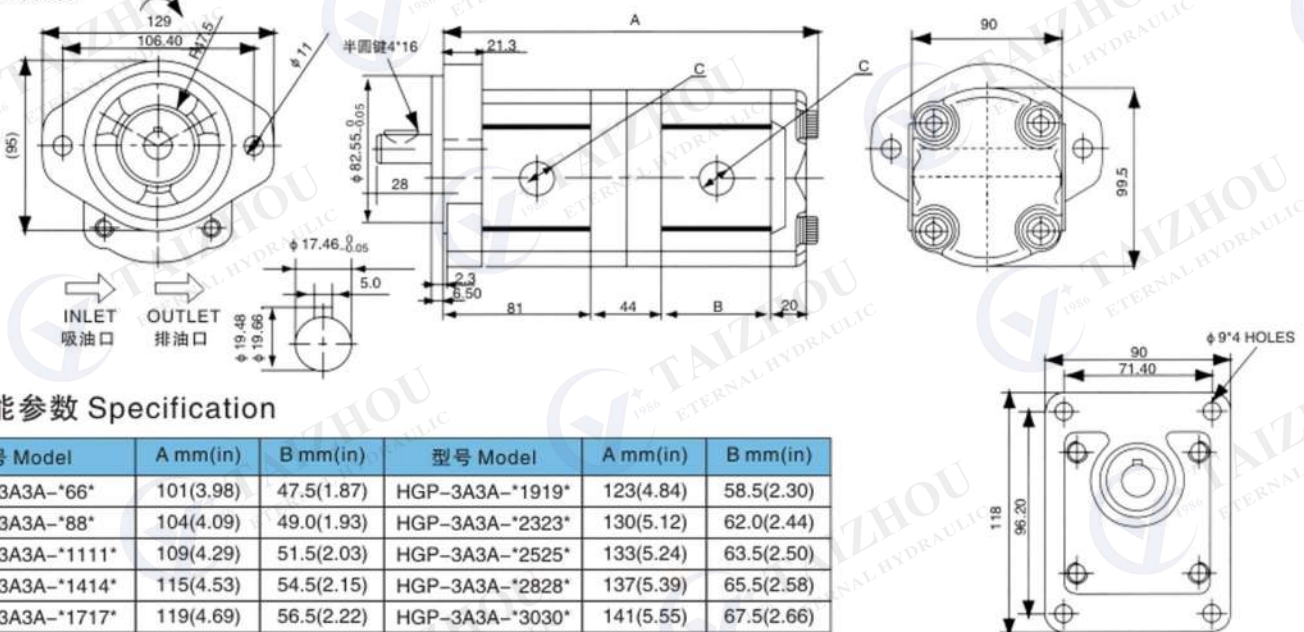
HGP-22A Series



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.

本系列P1为超高压液压泵具有如下特点

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。

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

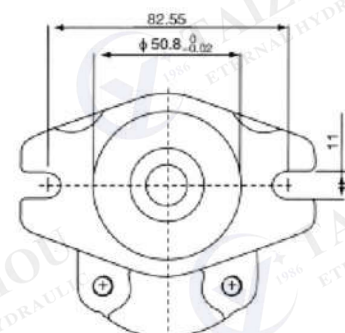
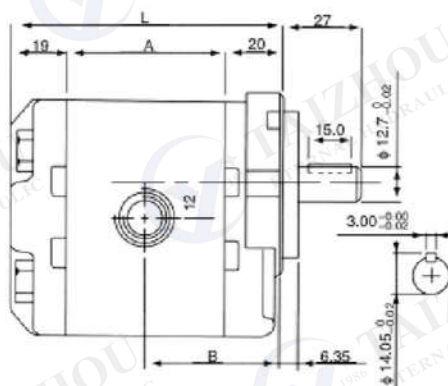
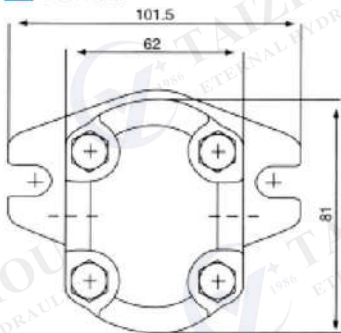
注：特殊油口尺寸、轴伸形式和安装型式，请联系我司技术部。

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	20	23	58.08	49.04	97.08	1.18	3/4"	1/2"	
P107	7.40			62.08	51.04	101.08				1.27
P109	9.10			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。

P2 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.

本系列P2为超高压液压泵具有如下特点

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

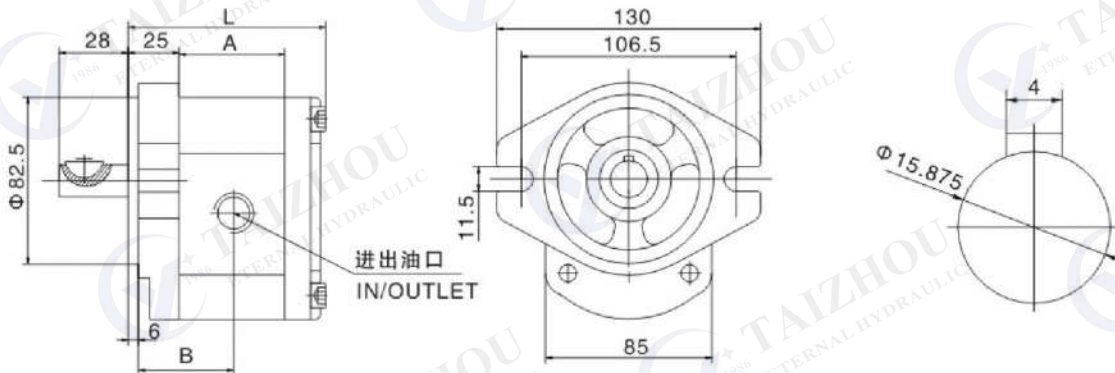
注：特殊油口尺寸、轴伸形式和安装型式，请联系我司技术部。

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	18	17	21	20	73.10	61.55	122.9	3.14	1" PT	3/4" PT	
P222	22.5					78.60	64.30	128.4				3.27
P225	25.0					83.10	66.55	132.9				3.36
P230	30.0					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

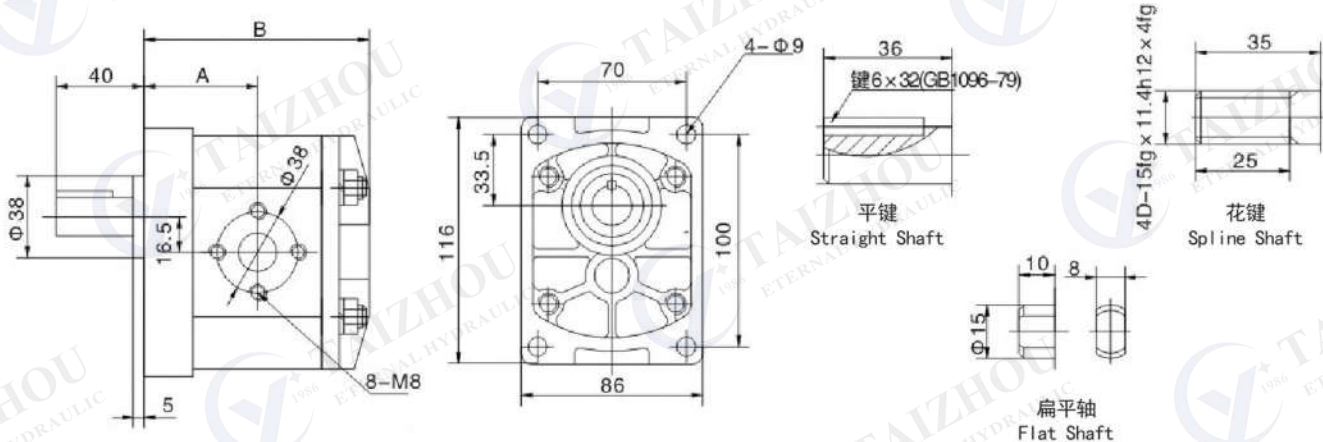
型号说明 Model Code

CBT	-F	3	10	F	P	R
系列号码 Item Code	压力等级 Pressure level	齿轮模数 Gear Modulus	排量 Displacement	油口类型 Inlet/Outlet Port Type	轴伸型式 Shaft Type	旋向 Rotation
CBT	E: 16Mpa F: 20Mpa G: 25Mpa	M=3	6,8,10,12,14, 16,20,25	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	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(ml/r) Displacement	压力 Pressure (Mpa)		转速 Speed (r/min)			A(mm)	B(mm)
		额定 Rated	最高 Max	最低 Min	额定 Rated	最高 Max		
CBT-F306	6	20	25	600	2000	3000	47	103
CBT-F308	8						49	106.5
CBT-F310	10						50	109
CBT-F312	12						52	113
CBT-F314	14						53	115
CBT-F316	16						54.5	118
CBT-F320	20						58	125
CBT-F325	25						62	133

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

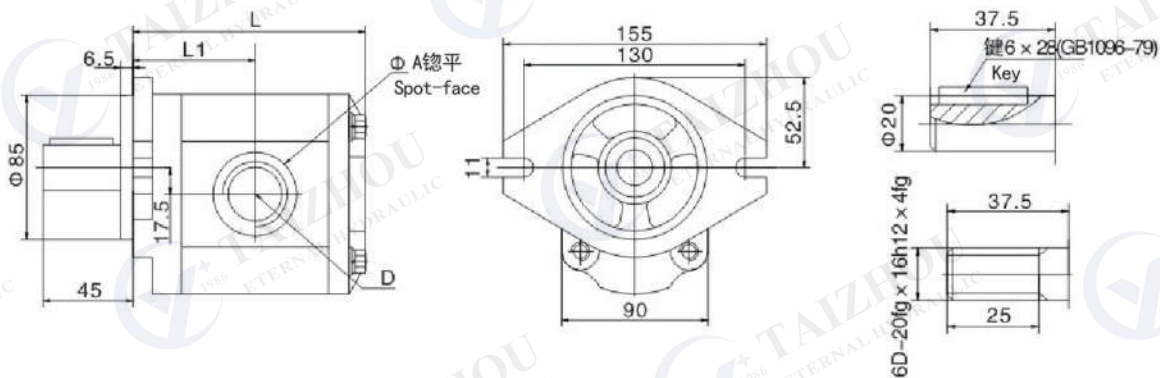
型号说明 Model Code

CBF	-F	4	10	L	P	R
系列号码 Item Code	压力等级 Pressure level	齿轮模数 Gear Modulus	排量 Displacement	油口类型 Inlet/Outlet Port Type	轴伸型式 Shaft Type	旋向 Rotation
CBF	E: 16Mpa F: 20Mpa	M=4	10,12.5,14,16 ,18,20,25,32, 40,50	F: 法兰连接 F: Flange type L: 螺纹连接 L: Screw port	P:平键 Straight Shaft H:4 齿矩形花键 H: 4-Teeth Spline Shaft	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(ml/r) Displacement	压力(Mpa) Pressure		转速(r/min) Speed			L1	L	进油口 Inlet		出油口 Outlet		重量 (kg) Weight			
		额定 Rated	最高 Max	最低 Min	额定 Rated	最高 Max			D	A	D	A				
CBF-F410	10	20	25	800	2500	300	55	114	M22 x1.5	50	M18x 1.5	45	3.2			
CBF-F412.5	12.5						56.3	116.5						M27 x2	1.5	3.3
CBF-F414	14						57.3	118.5								
CBF-F416	16						58.3	120	M27 x2	1.5	3.5					
CBF-F418	18						59.5	123				M27 x2		1.5	3.6	
CBF-F420	20						60.5	125	M27 x2	1.5	3.7					
CBF-F425	25						63.8	131.5				M27 x2		1.5	3.8	
CBF-F432	32						67.5	139	M27 x2	2	4.1					
CBF-E440	40						72	148				M27 x2		2	4.4	
CBF-E450	50						72	148	M27 x2	2	4.7					

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

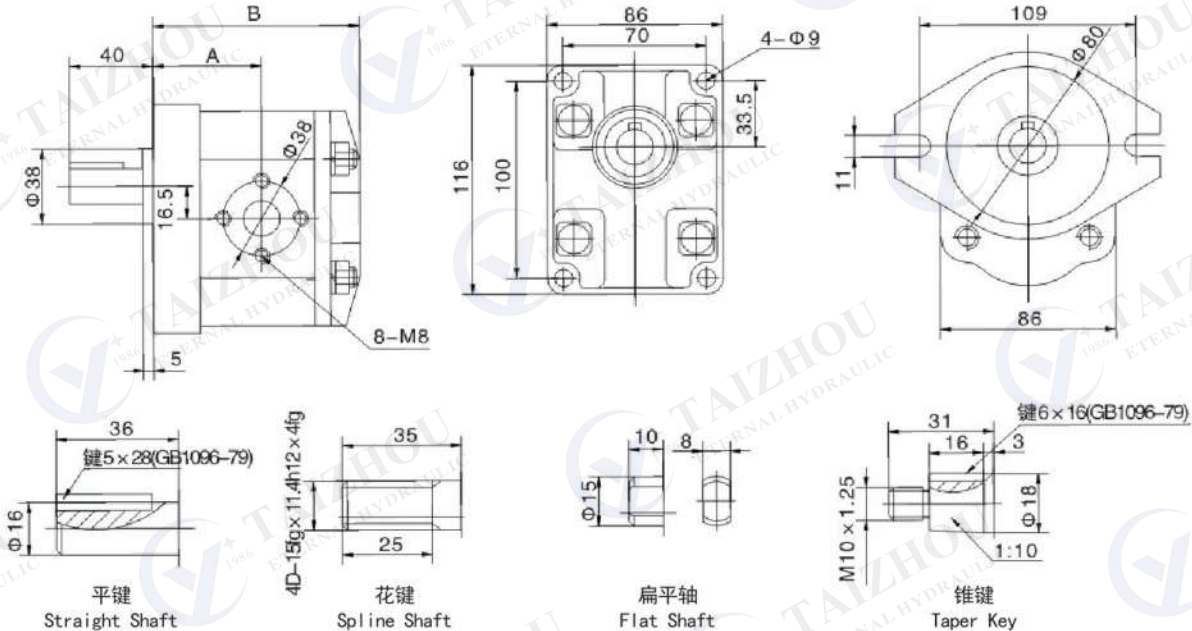
型号说明 Model Code

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

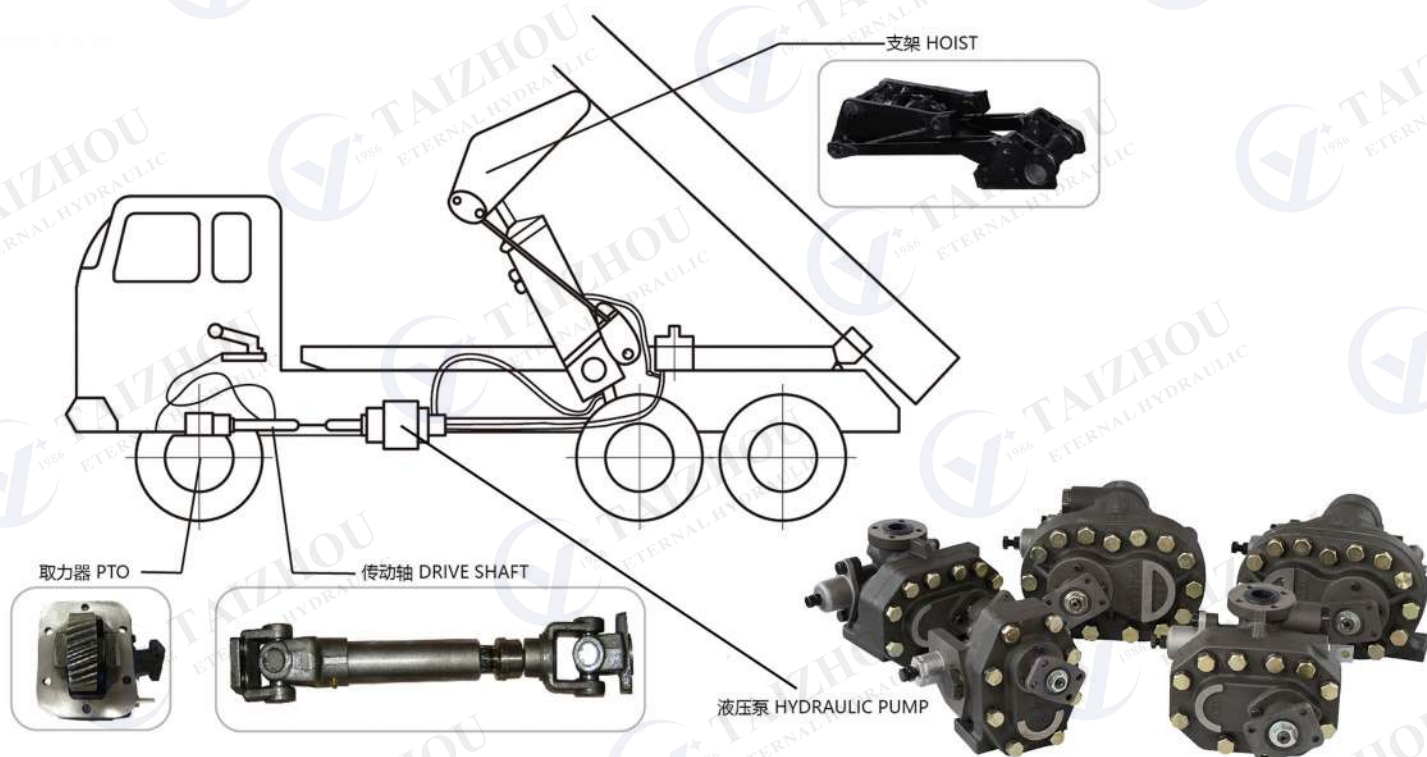
型号 Model	排量 Displacement	压力 (Mpa) Pressure		转速 (r/min) Speed		容积效率 (%) Volumetric Efficiency	A (mm)	B (mm)	D(mm)	
		额定 Rated	最高 Max	额定 Rated	最高 Max				进油口 Inlet	出油口 Outlet
CBN-*304	4	E=16 F=20 G=25	E=20 F=25 G=31.5	2000	3000	≥92	43.3	98.5	Φ14 (M20x1.5, ZG1/2")	Φ10 (M18x1.5, ZG3/8")
CBN-*306	6						45	102		
CBN-*308	8						46.5	105		
CBN-*310	10						48	108	Φ18 (M20x1.5, ZG3/4")	Φ14 (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





			
CBN-300	CBT-300	CBW-F200	CBF-F400
			
CBK-F200	CBK-100	AR	CBK-1000
			
AZPS	1KS1U	CBN-300/300	CBG
			
CBK-1000 Double	A8V107	A8VO107	KP1007C
			
P31 Single Pump	P51 Quadruple Pump	P76 Double Pump	P330 Single Pump



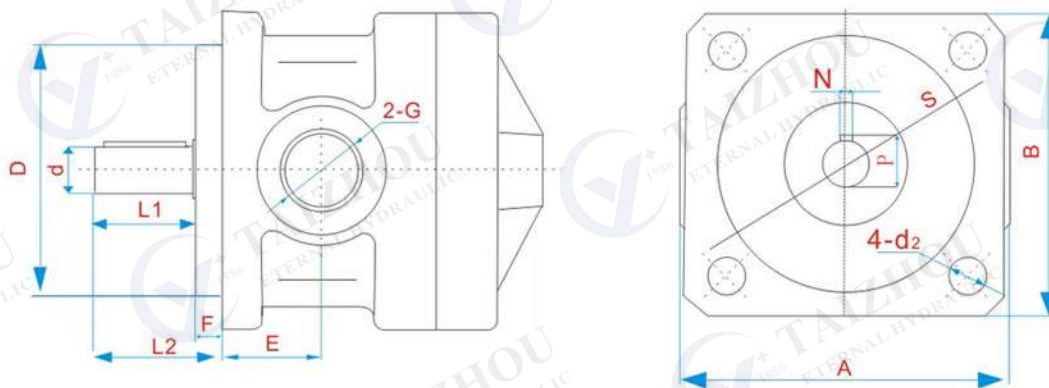
型号 Model	排量 (ml/r) Displacement	额定压力 (kgf/cm ²) Rated pressure	转速 Speed (rpm)			最高试验压力 (kgf/cm ²) Max testing pressure	阀杆作用力 Force on control spool (Kg)	旋向 Rotation	重量 (Kg) Weight
			额定 Rated	最低 Min	最高 Max				
KP-35B	35	70	800	350	1800	175	12	Left	10
KP55	55	70	800	350	1800	210	13	Left	13
GPG55	55	70	800	350	1800	210	13	Left	13
KP75A	75	70	800	350	1800	210	14	Left	21
KP75B	75	70	800	350	1800	210	14	Left	21
KP75A-C	75	70	800	350	1800	210	14	Left	21
KP1403A	140	80	800	350	1800	210	15	Left	37
KP1403-R	140	80	800	350	1800	210	15	Right	37
KP1405A	140	80	800	350	1800	210	15	Left	37
KP1405-R	140	80	800	350	1800	210	15	Right	37
KP1505A	150	80	800	350	1800	210	15	Left	38
KPA-1302B	130	80	800	350	1800	210	15	Left	31.5
VC1403	136	80	800	350	1800	210	15	Left	39

■ 型号说明 Model Instruction

GPA-	2	2	-10	1	R
型号 Model	系列号 Item No	压力参数 Pressure	公称排量 Displacement (ml/r)	轴伸形式 Shaft	旋向 Rotation
GPA内啮合齿轮泵 GPA Internal Gear Pump	1	1: 6.3Mpa 2: 10Mpa 3: 16Mpa	1	1: ϕ 12	R: CW L: CCW
			2		
			4		
			6		
	2		8		
			10	1: ϕ 20 2: ϕ 25	
			12.5		
			16		
			20		
25					
3	25	1: ϕ 25 2: ϕ 30			
	31.5				
	40				
	50				
			63		



■ 连接尺寸 Installation size



Displacement Code Of series Size mm	GPA1-					GPA2-				GPA3-					
	1	2	4	6	8	10	12.5	16	20	25	31.5	40	50	63	
A	82					120				152					
B	80					115				150					
D	ϕ 63					ϕ 100				ϕ 125					
d	ϕ 12					ϕ 20 (ϕ 25)				ϕ 25 (ϕ 30)					
d2	ϕ 9					ϕ 11				ϕ 13					
S	85					125				160					
L1	25					36				58					
L2	34					47				69					
F	7					9				10					
E	25					32				40					
G	G1/2"					G 1"				G 1 1/2 "					
N	4					6 (8)				8 (10)					
P	13.5					22.5 (28)				28 (33)					

MODEL CODE

HG	1	-40	-01	R	-V	P	C
----	---	-----	-----	---	----	---	---

PUMP

Internal gear pump	HG
--------------------	----

CODE

Displacement 8...20	0
Displacement 25...63	1
Displacement 80...160	2

SIZE

Displacement (cc/rev)									
8	10	13	16	20	25	32	40	50	63
80	100	125	160						

CODE

	01
--	----

DIRECTION OF ROTATING (VIEWED ON SHAFT END)

CW	R
----	---

SEAL TYPE

Viton	V
-------	---

SHAFT

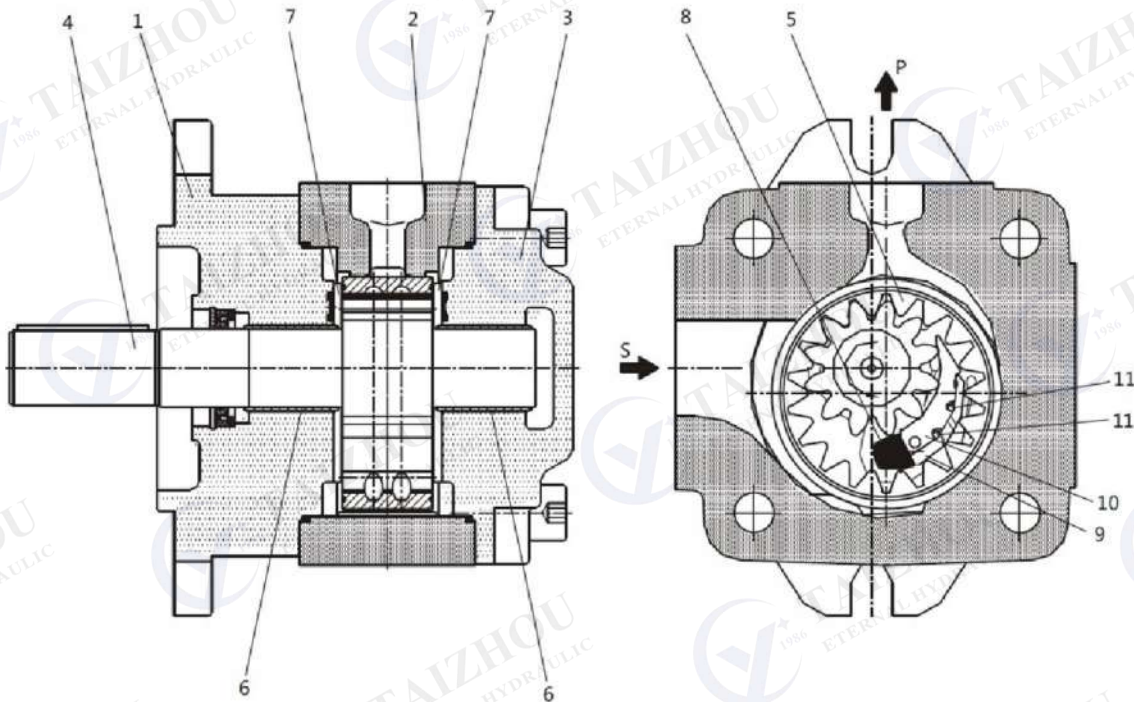
Key shaft	P
Splined shaft	S

MOUNTING FLANGE

SAE 2 holes	C
-------------	---

SPECIFICATION: STRUCTURE

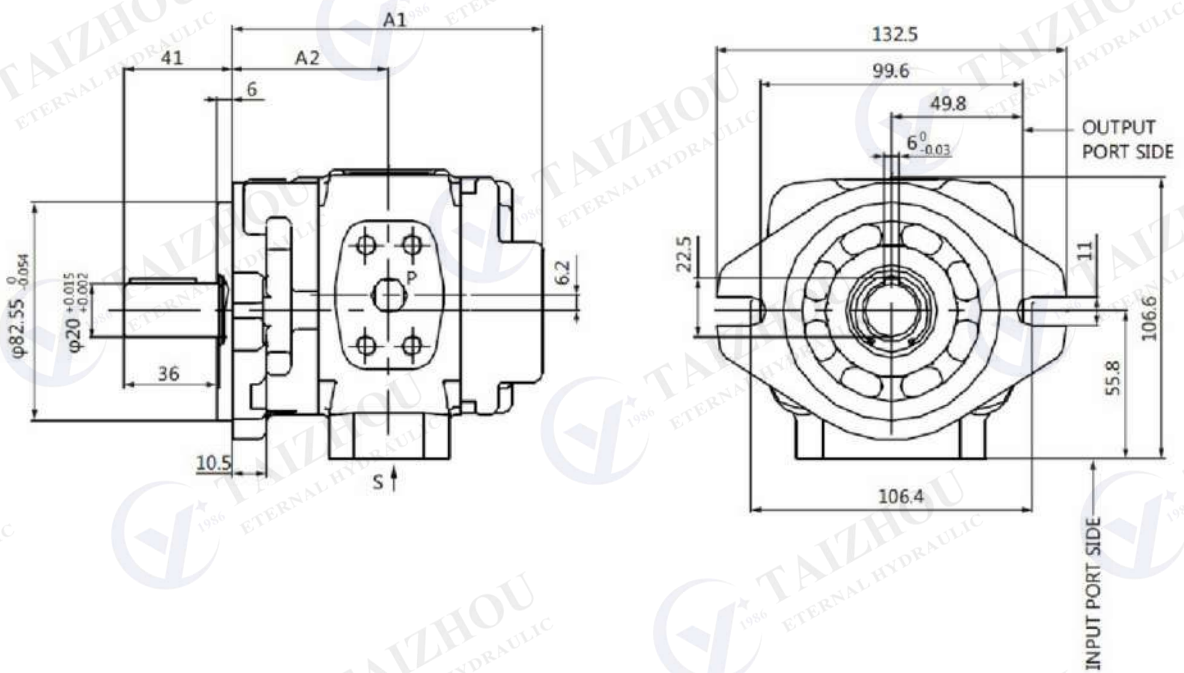
HG is fixed displacement and intermittent compensation internal gear pump. Front body (1), Middle housing (2), Rear Cover (3), Shaft bearing (4), Annular gear (5), Sliding bearing (6), Slide plate (7), Locating rod (8), Crescent side plate (9), Crescent main plate (19) and Plastic rod (11).



MODEL	SIZE	DISP. cc/rev	PRESSURE bar		ROTATING SPEED r/min		WEIGHT kg
			Rated	Max	Max	Min	
HG0	8	8.0	250	300	3000	600	4.4
	10	10.0	315	350	3000	600	4.6
	13	13.3	315	350	3000	600	4.9
	16	16.0	315	350	3000	600	5.2
	20	20.0	315	350	3000	600	5.6
HG1	25	25.3	315	350	3000	200	14.5
	32	32.7	315	350	3000	200	15
	40	40.1	315	350	3000	200	16
	50	50.7	315	350	3000	200	17
	63	63.7	315	350	3000	200	18.5
HG2	80	81.4	315	350	3000	200	43.5
	100	100.2	315	350	3000	200	45.5
	125	125.3	315	350	3000	200	48
	160	162.8	210	260	3000	200	52

INSTALLATION

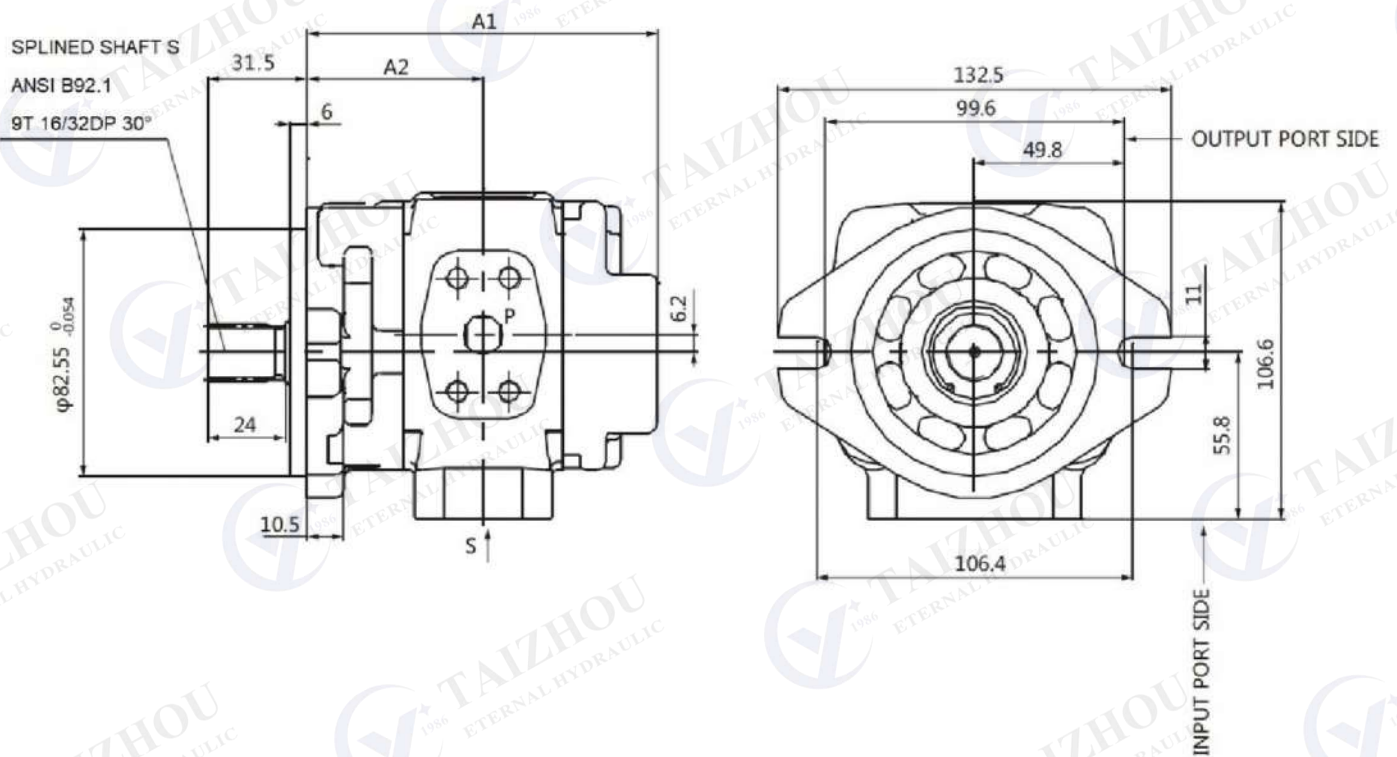
HGO-※-01R-VPC (P SHAFT)



MODEL CODE	A1	A2	S	P
HGO-08-01R-VPC	107	54	SAE 3000 ¾" (Ø19)	SAE 3000 ½" (Ø13)
HGO-10-01R-VPC	111	56	SAE 3000 1" (Ø21)	
HGO-13-01R-VPC	117.5	59.25		
HGO-16-01R-VPC	123	62	SAE 3000 1¼" (Ø26)	SAE 3000 ¾" (Ø18)
HGO-20-01R-VPC	131	66		

INSTALLATION DIMENSIONS

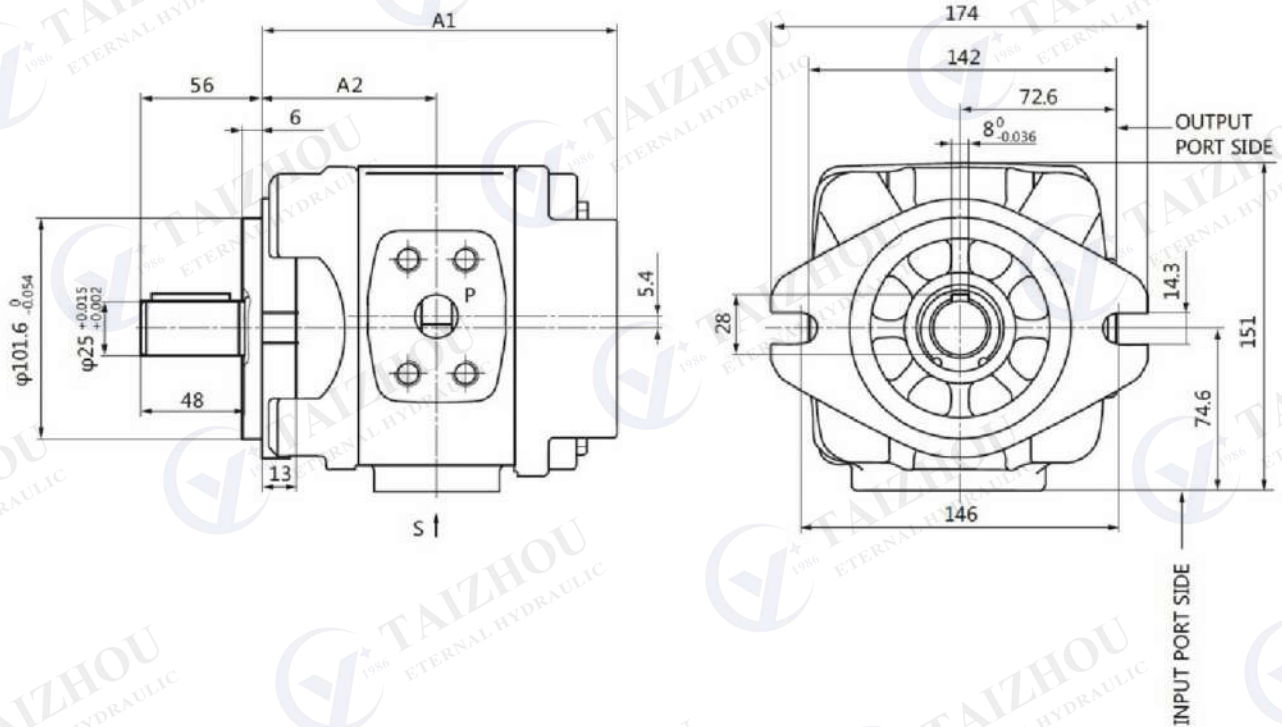
HGO-※-01R-VSC (S SHAFT)



MODEL CODE	A1	A2	S	P
HGO-08-01R-VSC	107	54	SAE 3000 ¾" (Ø19)	SAE 3000 ½" (Ø13)
HGO-10-01R-VSC	111	56	SAE 3000 1" (Ø21)	
HGO-13-01R-VSC	117.5	59.25		
HGO-16-01R-VSC	123	62	SAE 3000 1¼" (Ø26)	SAE 3000 ¾" (Ø18)
HGO-20-01R-VSC	131	66		

INSTALLATION DIMENSIONS

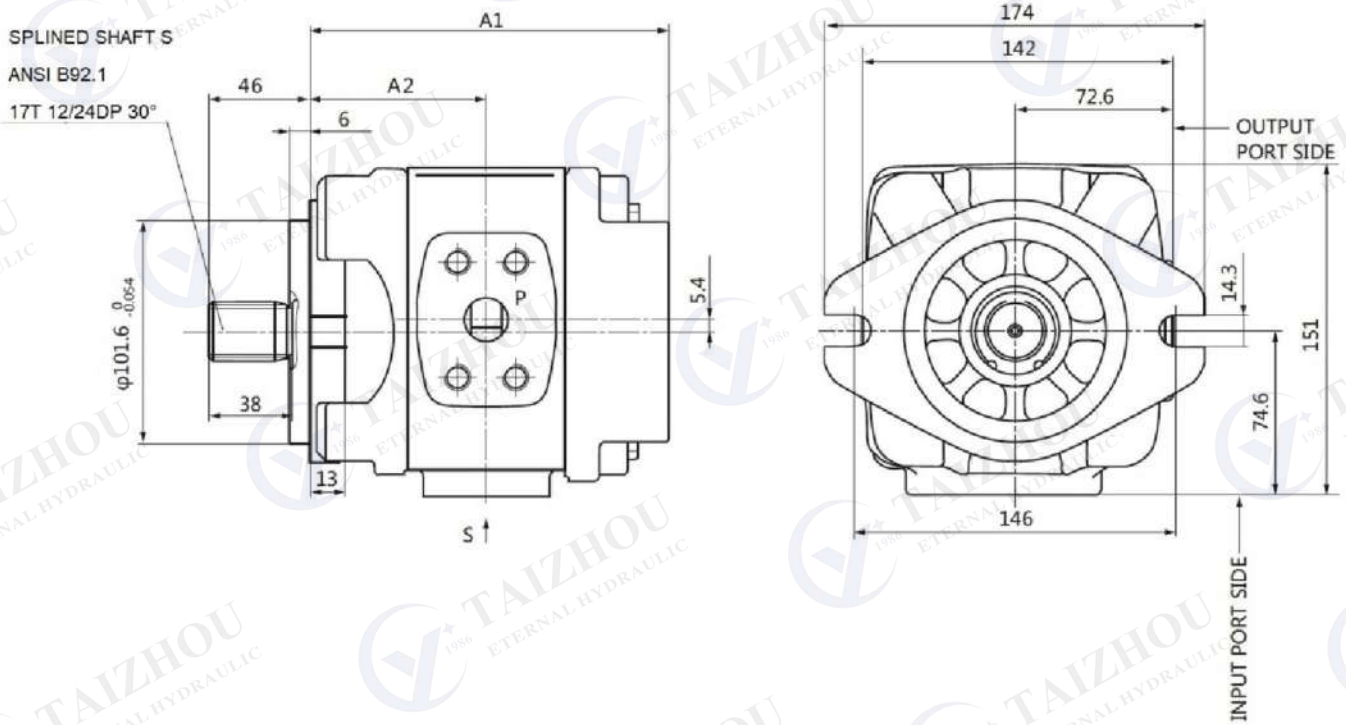
HG1-※-01R-VPC (P SHAFT)



MODEL CODE	A1	A2	S	P
HG1-25-01R-VPC	139	73	SAE 3000 1 1/4" (Ø32)	SAE 3000 3/4" (Ø18)
HG1-32-01R-VPC	146	76.5		
HG1-40-01R-VPC	153	80		SAE 3000 1" (Ø20)
HG1-50-01R-VPC	163	85		
HG1-63-01R-VPC	177	92		

INSTALLATION DIMENSIONS

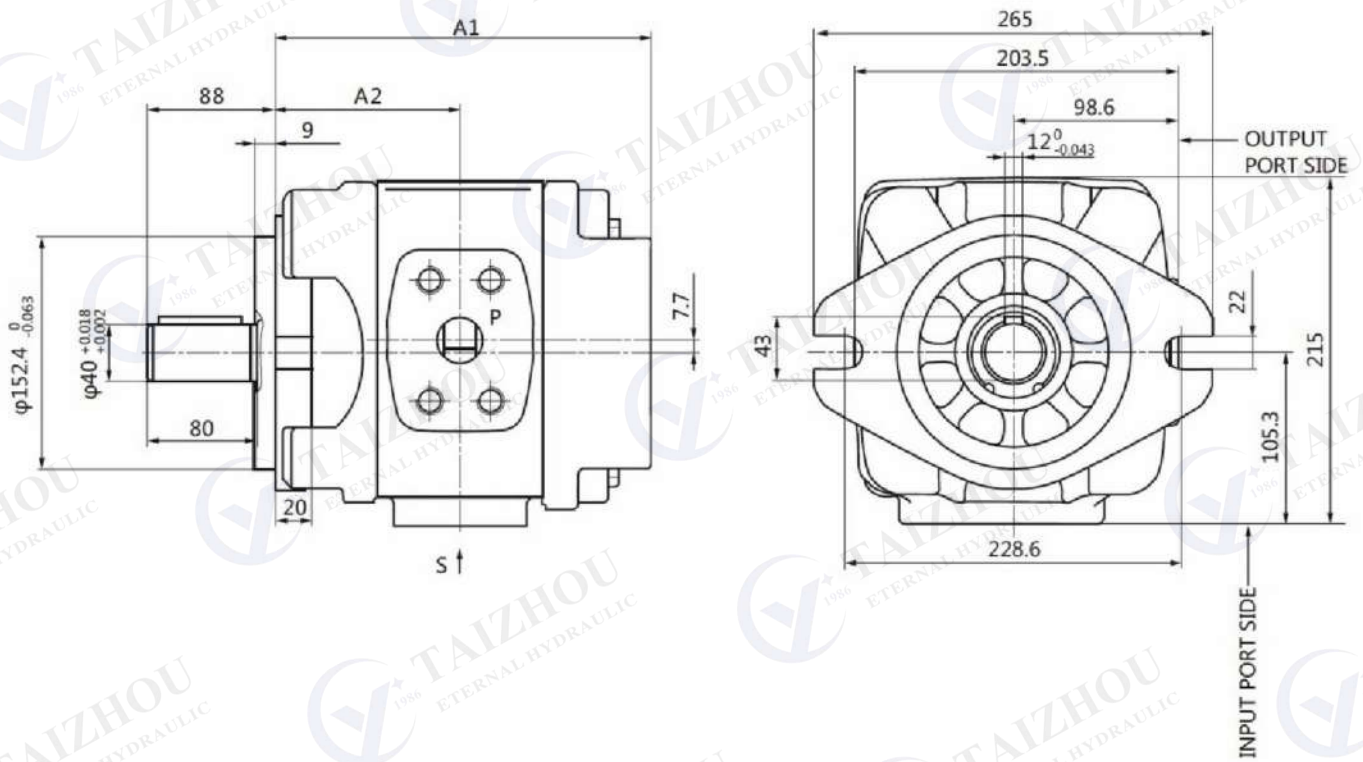
HG1-※-01R-VSC (S SHAFT)



MODEL CODE	A1	A2	S	P
HG1-25-01R-VSC	139	73	SAE 3000 1¼" (Ø32)	SAE 3000 ¾" (Ø18)
HG1-32-01R-VSC	146	76.5		
HG1-40-01R-VSC	153	80		SAE 3000 1" (Ø20)
HG1-50-01R-VSC	163	85		
HG1-63-01R-VSC	177	92		

INSTALLATION DIMENSIONS

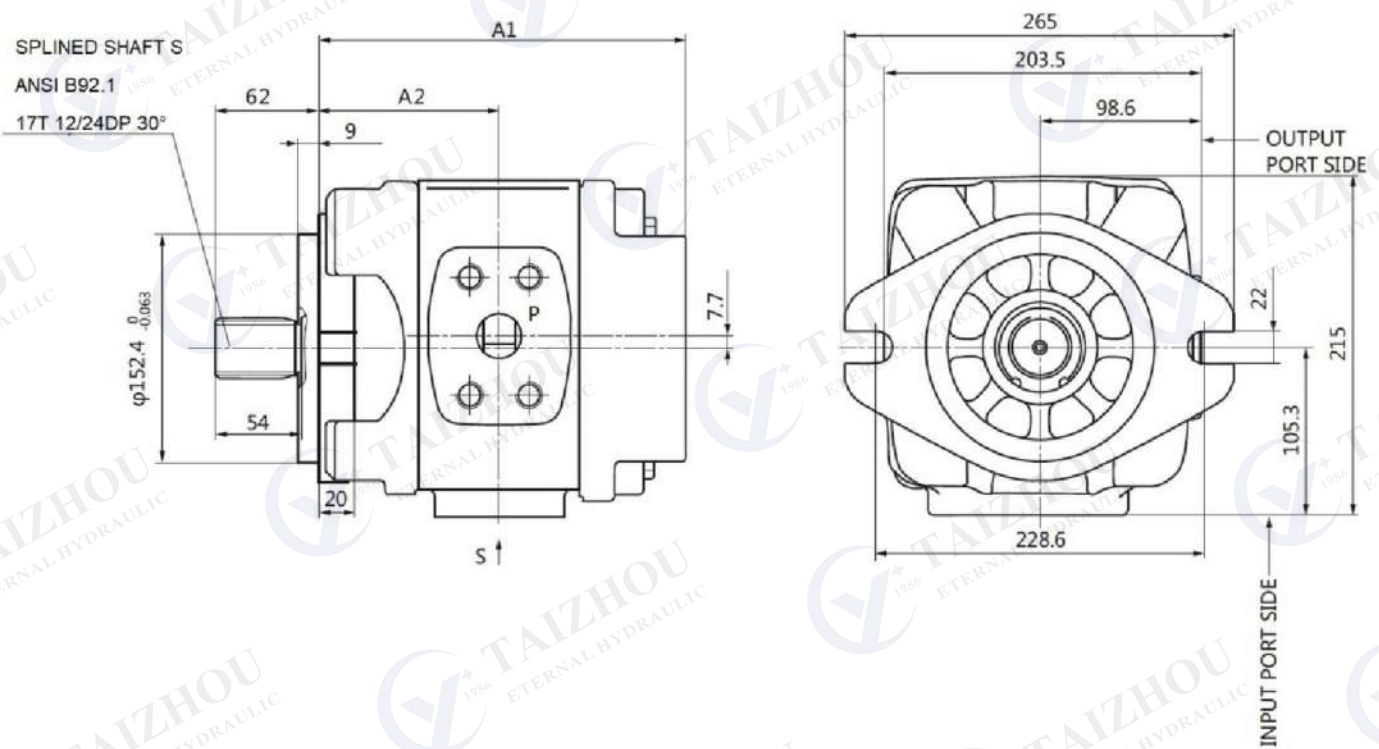
HG2-※-01R-VPC (P SHAFT)



MODEL CODE	A1	A2	S	P
HG2-80-01R-VPC	204	109.5	SAE 3000 2"	SAE 3000 1½"
HG2-100-01R-VPC	213	114	(Ø50)	(Ø32)
HG2-125-01R-VPC	225	120	SAE 3000 2½"	SAE 6000 1½"
HG2-160-01R-VPC	243	129	SAE 3000 3"	

INSTALLATION DIMENSIONS

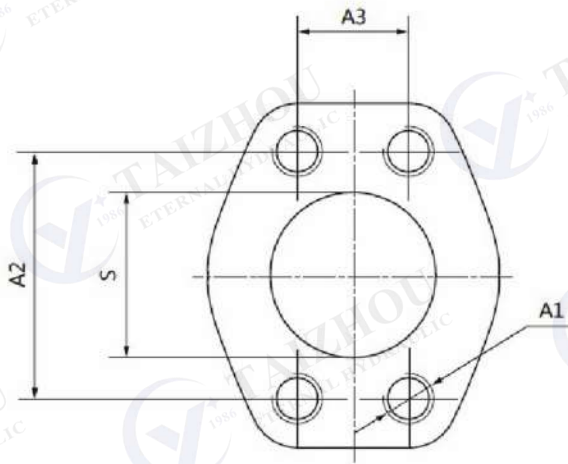
HG2-※-01R-VSC (S SHAFT)



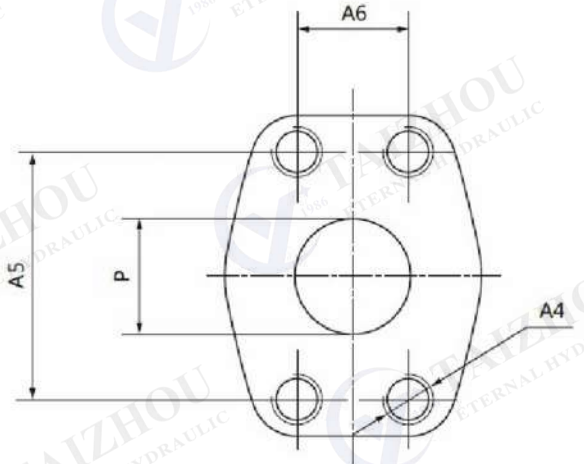
MODEL CODE	A1	A2	S	P
HG2-80-01R-VSC	204	109.5	SAE 3000 2" (Ø50)	SAE 3000 1½" (Ø32)
HG2-100-01R-VSC	213	114		
HG2-125-01R-VSC	225	120	SAE 3000 2½" (Ø63.5)	SAE 6000 1½" (Ø38)
HG2-160-01R-VSC	243	129	SAE 3000 3" (Ø76)	

PORT FLANGE DIMENSIONS

INPUT PORT "S"



OUTPUT PORT "P"



MODEL	SIZES	S	A1	A2	A3	P	A4	A5	A6				
HG0	8	SAE 3000 ¾" (Ø19)	M10 DEEP 15	47.6	22.2	SAE 3000 ½" (Ø13)	M8 DEEP 13	38.1	17.5				
	10	SAE 3000 1" (Ø21)		52.4	26.2								
	13			58.7	30.2					SAE 3000 ¾" (Ø18)	M10 DEEP 15	47.6	22.2
	16												
	20	SAE 3000 1¼" (Ø26)											
HG1	25	SAE 3000 1¼" (Ø32)	M10 DEEP 17	58.7	30.2	SAE 3000 ¾" (Ø18)	M10 DEEP 17	47.6	22.2				
	32												
	40									SAE 3000 1" (Ø20)	52.4	26.2	
	50												
	63												
HG2	80	SAE 3000 2" (Ø50)	M12 DEEP 20	77.8	42.9	SAE 3000 1½" (Ø32)	M12 DEEP 20	69.9	35.7				
	100												
	125	SAE 3000 2½" (Ø63.5)		88.9	50.8					SAE 6000 1½" (Ø38)	M16 DEEP 25	79.4	36.5
	160	SAE 3000 3" (Ø76)		106.4	61.9								

■ QT系列内啮合齿轮泵
QT Internal Gear Pump



QT	5	2		-63	F	A	R	
内啮合齿轮泵 Internal Gear Pump	系列号 Item No.	压力(Mpa) Pressure		排量 Displacement (ml/r)	连接方式 Mounting	出油口位置 Outlet Position		
		额定 Rated	最高 Max.			从轴端看 (Viewed from Shaft End)		旋向 Rotation
QT	2, 3, 4, 5, 6	1	8	10	F: 法兰 Flange	A: 0° B: 90° C: 180° D: 270°	R: 右旋 CW L: 左旋 CCW	
		2	14	16		QT2: 4, 6, 8 QT3: 10, 12, 16 QT4: 20, 25, 31.5 QT5: 40, 50, 63 QT6: 80, 100, 125		
		3	25	32				

Related Products



Hydraulic Orbit Motor



Directional Control Valve

台州永畅液压机械有限公司

Taizhou Eternal Hydraulic Machine Co., Ltd.

Add: No.11 Xiquan Road, Anzhou Street, Xianju County, Taizhou City, Zhejiang, China
Contact person: Mr Leo Wu
Mobile: +86-13656579545 (Wechat/Whatsapp)
Skype: leowu1986

Tel: +86-576-89370768 Fax: +86-89370769
Email: leo@xjetl.com
Web: www.etlhyd.com www.xjetl.com
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