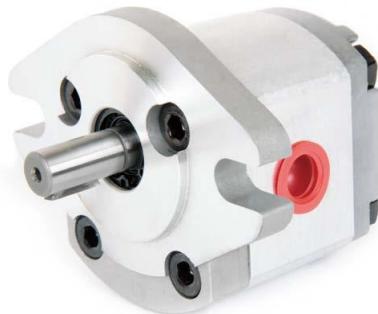
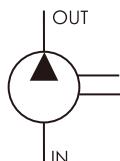


# HGP-1A

- Displacement : 0.5~7.8 cc/rev
- Max. Pressure : 250 kgf/cm<sup>2</sup>  
( 3500psi )
- Flange : SAE 2-bolt, DIN 4-bolt,  
European 4-bolt



## SCHEMATIC SYMBOL



## ORDER CODES

<b>HGP-1A</b>	-	<b>F</b>	<b>08</b>	<b>R</b>	-	<b>X1</b>	-	<b>4BDA</b>	-	<b>P1</b>
1	2	3	4	5	6	7				

<b>1</b>	<b>Model Name</b>	<b>HGP-1A</b>		
<b>2</b>	<b>Mounting</b>	<b>F</b>	flange type	
		<b>L</b>	foot type	
<b>3</b>	<b>Delivery Capacity</b>	<b>05, 08, 1, 2, 26, 3, 4, 5, 6, 8</b>		
<b>4</b>	<b>Rotation Direction</b>	<b>R</b>	clockwise	
		<b>L</b>	counter - clockwise	
		<b>M</b>	hydraulic motor *	
<b>5</b>	<b>Shaft Type *</b>	<b>X: straight shaft      Y: spline shaft      Z: taper shaft</b>		
<b>6</b>	<b>Flange Mounting Type</b>	<b>2B</b>	SAE 2-bolt	
		<b>4BDA</b>	DIN 4-bolt ( type A )	
		<b>4BDB</b>	DIN 4-bolt ( type B )	
		<b>4BE</b>	European 4-bolt	
<b>7</b>	<b>Inlet and Outlet *</b>	<b>F: flange type(F1~F2)      G: PF, G, BSPP(G1~G2)</b>		
		<b>P: PT(P1~P2)</b>	<b>N: NPT(N1~N2)</b>	<b>U: UNF(U1~U2)</b>

\* The dimension of shafts and inlet & outlet sizes please refer to Page 11.

\* Please contact the local distributors to obtain the specifications of hydraulic motors.

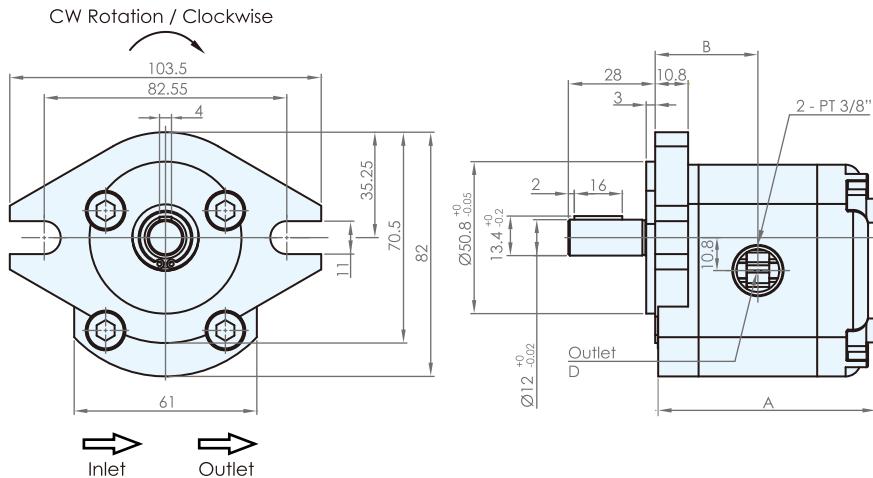
## SPECIFICATIONS

Model	Accurate Displacement Capacity (cc/rev.)	Operational Pressure (kgf/cm²)	Max. Pressure (kgf/cm²)	Speed (r.p.m.)			Weight (kg)
				Rate	Max.	Min.	
HGP-1A-05	0.5	210	250	1800	4500	1000	1.0
HGP-1A-08	0.8	210	250	1800	4500	1000	1.0
HGP-1A-1	1	210	250	1800	4500	1000	1.0
HGP-1A-2	2	210	250	1800	4500	600	1.05
HGP-1A-26	2.6	210	250	1800	4500	600	1.15
HGP-1A-3	3	210	250	1800	4500	600	1.15
HGP-1A-4	4	210	250	1800	4000	600	1.18
HGP-1A-5	5	210	250	1800	3200	600	1.2
HGP-1A-6	6	210	250	1800	3200	600	1.3
HGP-1A-8	7.8	170	210	1800	3200	600	1.4

\* HGP-1A-05 and HGP-1A-26 do not belong to regular products. Customized service can be provided.

## DIMENSIONS (unit : mm)

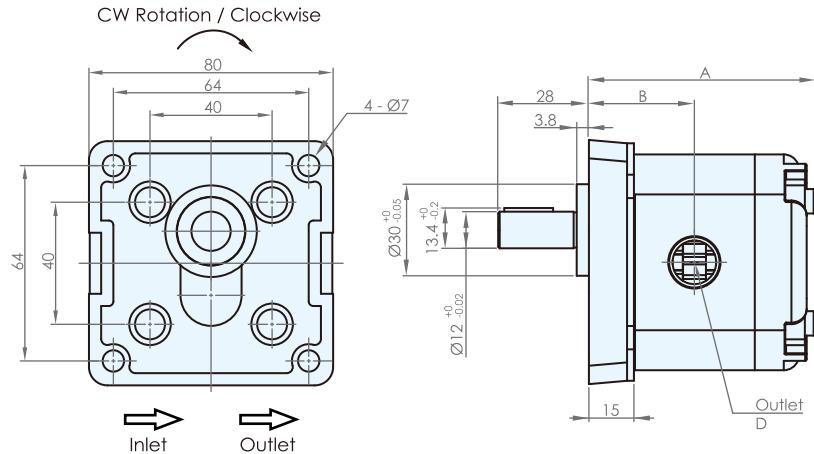
### HGP-1A-2B



Model	A	B	C Inlet	D Outlet
HGP-1A-08	67.5	32.5	PT 3/8"	PT 3/8"
HGP-1A-1	69.5	33.5	PT 3/8"	PT 3/8"
HGP-1A-2	72	34.8	PT 3/8"	PT 3/8"
HGP-1A-3	77.5	37.5	PT 3/8"	PT 3/8"
HGP-1A-4	79.5	38.5	PT 3/8"	PT 3/8"
HGP-1A-5	83.5	40.5	PT 3/8"	PT 3/8"
HGP-1A-6	87.5	42.5	PT 3/8"	PT 3/8"
HGP-1A-8	93.5	45.5	PT 1/2"	PT 3/8"

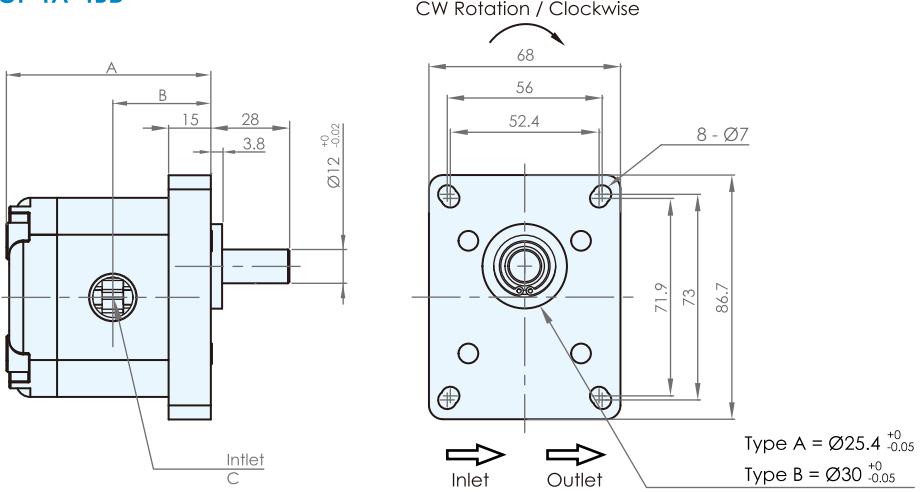
\* If you want to order HGP-1A-05 or HGP-1A-26, please email us to get further information.

### HGP-1A-4BE



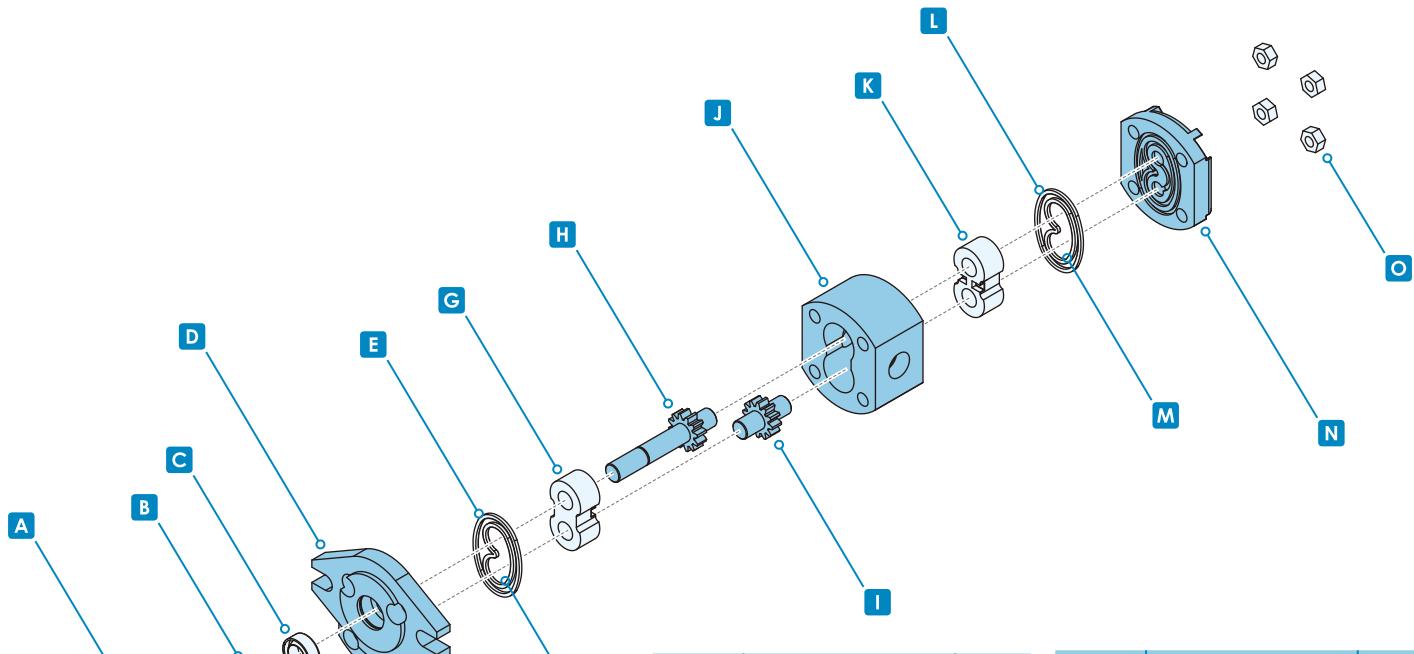
Model	A	B	C Inlet	D Outlet
HGP-1A-08	75.5	32.5	PT 3/8"	PT 3/8"
HGP-1A-1	77.5	33.5	PT 3/8"	PT 3/8"
HGP-1A-2	80.1	34.8	PT 3/8"	PT 3/8"
HGP-1A-3	85.5	37.5	PT 3/8"	PT 3/8"
HGP-1A-4	87.5	38.5	PT 3/8"	PT 3/8"
HGP-1A-5	91.5	40.5	PT 3/8"	PT 3/8"
HGP-1A-6	95.5	42.5	PT 3/8"	PT 3/8"
HGP-1A-8	101.5	45.5	PT 1/2"	PT 3/8"

\* If you want to order HGP-1A-05 or HGP-1A-26, please email us to get further information.

**DIMENSIONS (unit : mm)****HGP-1A-4BD**

Model	A	B	C Inlet	D Outlet
HGP-1A-08	67.5	32.5	PT 3/8"	PT 3/8"
HGP-1A-1	69.5	33.5	PT 3/8"	PT 3/8"
HGP-1A-2	72	34.8	PT 3/8"	PT 3/8"
HGP-1A-3	77.5	37.5	PT 3/8"	PT 3/8"
HGP-1A-4	79.5	38.5	PT 3/8"	PT 3/8"
HGP-1A-5	82.5	40.5	PT 3/8"	PT 3/8"
HGP-1A-6	87.5	42.5	PT 3/8"	PT 3/8"
HGP-1A-8	93.5	45.5	PT 1/2"	PT 3/8"

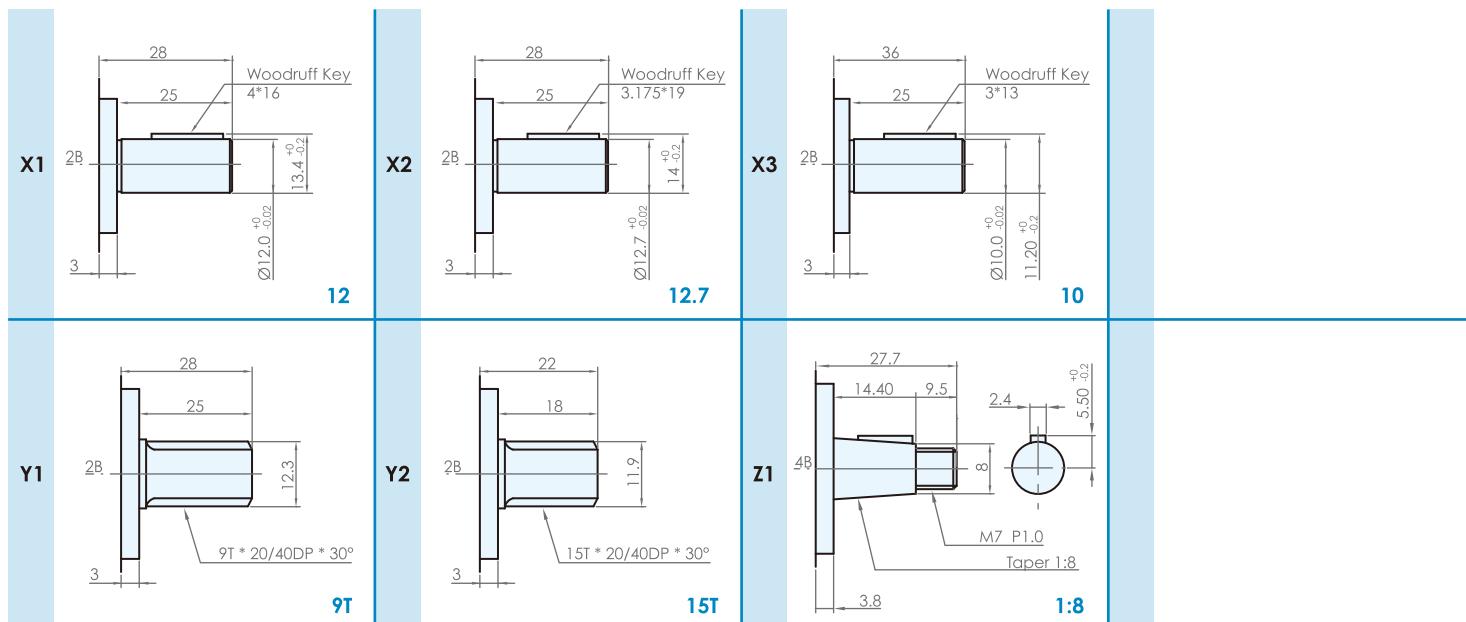
\* If you want to order HGP-1A-05 or HGP-1A-26, please email us to get further information.

**DECOMPOSITION CHARTS**

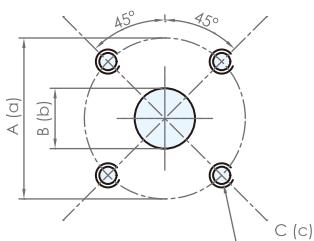
Item No.	Part Descriptions	Q'ty	Item No.	Part Descriptions	Q'ty
A	Bolt	4	I	Driven gear	1
B	C-ring	1	J	Housing	1
C	Shaft seal	1	K	Matching bearing	1
D	Front cover	1	L	Bush lobe seal	1
E	O-ring	1	M	O-ring	1
F	Bush lobe seal	1	N	Rear cover	1
G	Matching bearing	1	O	Nut	4
H	Drive gear	1			

## ADDITIONAL DIMENSION

### Dimension of Shaft



### Inlet and Outlet Size



Flange Type

Code	Inlet			Outlet		
	A	B	C	a	b	c
F1	30	14.50	M6	30	14.50	M6
F2	35	14.50	M6	35	14.50	M6

PF (G, BSPP)

Code	Inlet	Outlet
	A	a
G1	G 3/8"	G 3/8"
G2	G 1/2"	G 3/8"

PT (BSPT)

Code	Inlet	Outlet	Applicable Model
	A	a	
P1	3/8" PT	3/8" PT	1A-08 ~ 6
P2	1/2" PT	3/8" PT	1A-8

NPT

Code	Inlet	Outlet	Applicable Model
	A	a	
N1	3/8" NPT	3/8" NPT	1A-08 ~ 6
N2	1/2" NPT	3/8" NPT	1A-8

UNF

Code	Inlet	Outlet
	A	a
U1	9/16"-18UNF	9/16"-18UNF
U2	3/4"-16UNF	9/16"-18UNF