



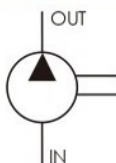
Single Gear Pump

HGP-3AI

- Displacement : 4~35 cc/rev
- Max. Pressure : 280 kgf/cm²
(3920psi)
- Flange : SAE 2-bolt, DIN 4-bolt



SCHEMATIC SYMBOL



ORDER CODES

HGP-3AI	-	F	11	R	-	X	-	2B	-	P1
1		2	3	4		5		6		7

1	Model Name	HGP-3AI	
2	Mounting	F	flange type
		L	foot type
3	Delivery Capacity	4, 6, 8, 11, 13, 14, 17, 19, 23, 25, 28, 30, 33, 35	
4	Rotation Direction	R	clockwise
		L	counter - clockwise
5	Shaft Type	X: straight shaft Y: spline shaft Z: taper shaft	
6	Flange Mounting Type	2B	SAE 2-bolt
		4BD	DIN 4-bolt
7	Inlet and Outlet *	F: flange type (F1~F6) G: PF, G, BSPP (G1~G2) P: PT (P1~P2) N: NPT (N1~N2) U: UNF (U1~U2)	



Model	Accurate Displacement Capacity (cc/rev)	Operational Pressure (kgf/cm ²)	Max. Pressure (kgf/cm ²)	Speed (r.p.m.)			Weight (kg)
				Rate	Max.	Min.	
HGP-3AI-4	4	240	280	1800	4000	700	3.79
HGP-3AI-6	6	240	280	1800	4000	700	3.87
HGP-3AI-8	8.4	240	280	1800	3500	700	3.95
HGP-3AI-11	11	240	280	1800	3000	600	4.10
HGP-3AI-13	13	240	280	1800	3000	600	4.20
HGP-3AI-14	14.3	240	280	1800	3000	500	4.26
HGP-3AI-17	16.5	240	280	1800	3000	500	4.37
HGP-3AI-19	19.2	240	280	1800	3000	500	4.49
HGP-3AI-23	23	240	280	1800	3000	500	4.69
HGP-3AI-25	25	205	240	1800	2800	500	4.74
HGP-3AI-28	28	205	240	1800	2500	500	4.85
HGP-3AI-30	30	205	240	1800	2500	500	4.95
HGP-3AI-33	33	170	205	1200	2500	500	5.10
HGP-3AI-35	35	155	170	1200	2500	500	5.21

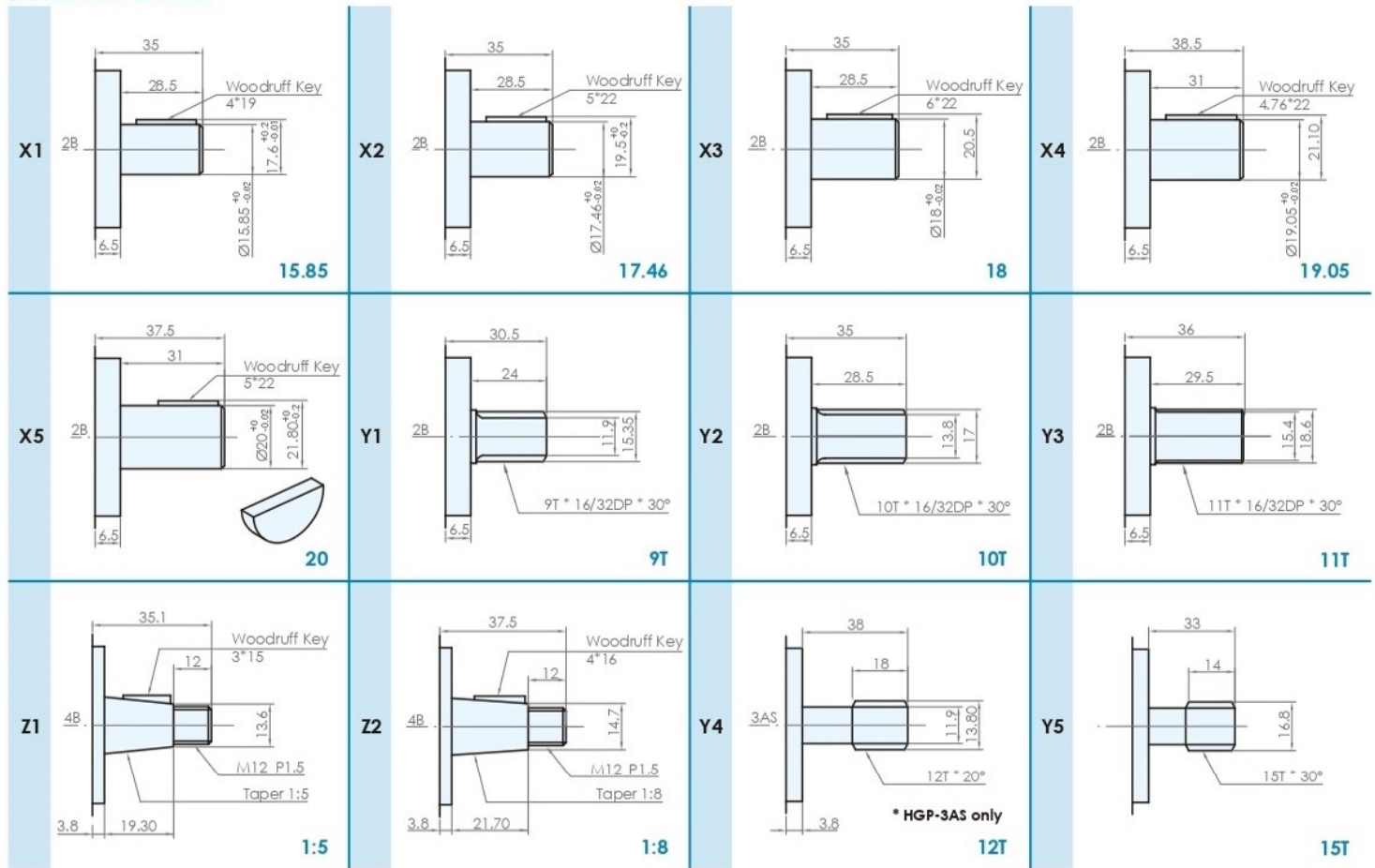
Model	A	B
HGP-3AI-4-2B	101	48.5
HGP-3AI-6-2B	105	50
HGP-3AI-8-2B	109	51.5
HGP-3AI-11-2B	113	54
HGP-3AI-13-2B	117	56
HGP-3AI-14-2B	119	57
HGP-3AI-17-2B	123	59
HGP-3AI-19-2B	127	61
HGP-3AI-23-2B	134	65
HGP-3AI-25-2B	137	66
HGP-3AI-28-2B	141	68
HGP-3AI-30-2B	145	70
HGP-3AI-33-2B	150	73
HGP-3AI-35-2B	154	75



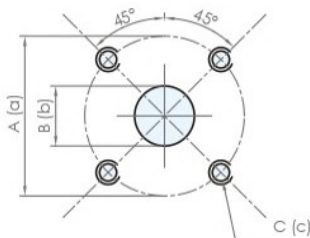
Single Gear Pump

ADDITIONAL DIMENSION (unit : mm)

Dimension of Shaft

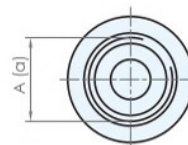


Inlet and Outlet Size



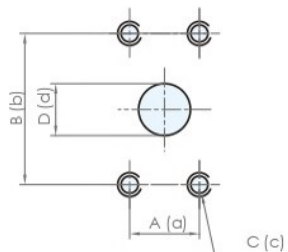
Flange Type

Code	Inlet			Outlet		
	A	B	C	a	b	c
F1	40	18.5	M6	35	14.5	M6
F2	40	18.5	M8	30	14.5	M6
F3	40	18.5	M8	40	14.5	M8



UNF

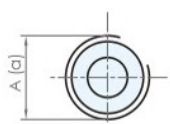
Code	Inlet	Outlet
	A	a
U1	1 1/16"-12UNF	7/8"-14UNF
U2	1 5/16"-12UNF	1 1/16"-12UNF



Flange Type

Code	Inlet				Outlet			
	A	B	C	D	a	b	c	d
F4	17.48	38.1	5/16"-18UNC	14.5	17.48	38.1	5/16"-18UNC	14.5
F5	22.23	47.63	3/8"-16UNC	18.5	17.48	38.1	5/16"-18UNC	14.5
F6	26.2	52.4	3/8"-16UNC	24	22.23	47.63	3/8"-16UNC	18.5

* UNC : Unified Coarse Thread



PF (G, BSPP)

Code	Inlet	Outlet
	A	a
G1	G 3/4"	G 1/2"
G2	G 1"	G 3/4"

PT (BSPT)

Code	Inlet	Outlet	Applicable Model
	A	a	
P1	3/4" PT	1/2" PT	3A-4 ~ 23
P2	1" PT	3/4" PT	3A-25 ~ 35

NPT

Code	Inlet	Outlet	Applicable Model
	A	a	
N1	3/4" NPT	1/2" NPT	3A-4 ~ 23
N2	1" NPT	3/4" NPT	3A-25 ~ 35