



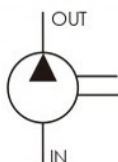
Single Gear Pump

HGP-3A2D

- Displacement : 4~35 cc/rev
- Max. Pressure : 250 kgf/cm²
(3500psi)



SCHEMATIC SYMBOL



ORDER CODES

HGP-3A2D	-	F	13	R	-	Y4	-	P1
1		2	3	4		5		6

1	Model Name	HGP-3A2D	
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	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)	

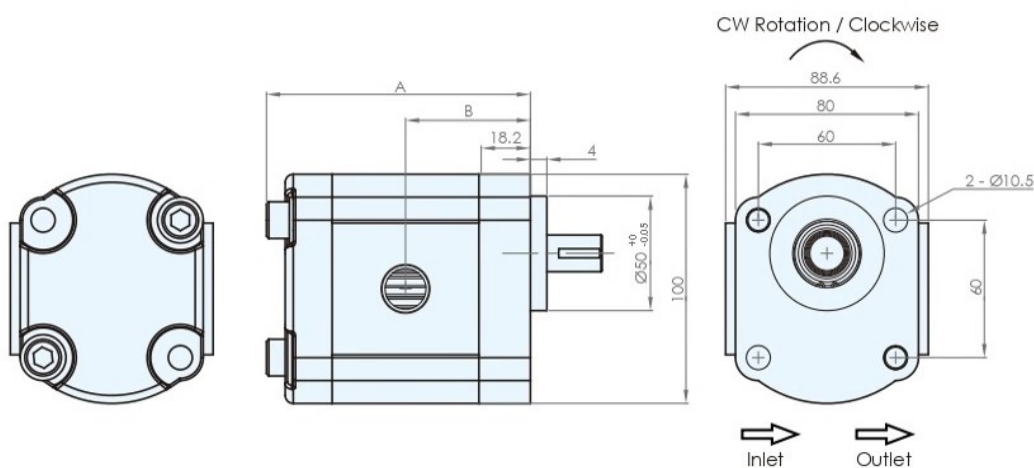


Single Gear Pump

SPECIFICATIONS

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-3A2D-4	4	210	250	1800	4000	700	2.09
HGP-3A2D-6	6	210	250	1800	4000	700	2.17
HGP-3A2D-8	8.4	210	250	1800	3500	700	2.25
HGP-3A2D-11	11	210	250	1800	3000	600	2.40
HGP-3A2D-13	13	210	250	1800	3000	600	2.50
HGP-3A2D-14	14.3	210	250	1800	3000	500	2.56
HGP-3A2D-17	16.5	210	250	1800	3000	500	2.67
HGP-3A2D-19	19.2	210	250	1800	3000	500	2.79
HGP-3A2D-23	23	210	250	1800	3000	500	2.99
HGP-3A2D-25	25	175	210	1800	2800	500	3.04
HGP-3A2D-28	28	175	210	1800	2500	500	3.15
HGP-3A2D-30	30	175	210	1800	2500	500	3.25
HGP-3A2D-33	33	140	175	1200	2500	500	3.40
HGP-3A2D-35	35	125	140	1200	2500	500	3.51

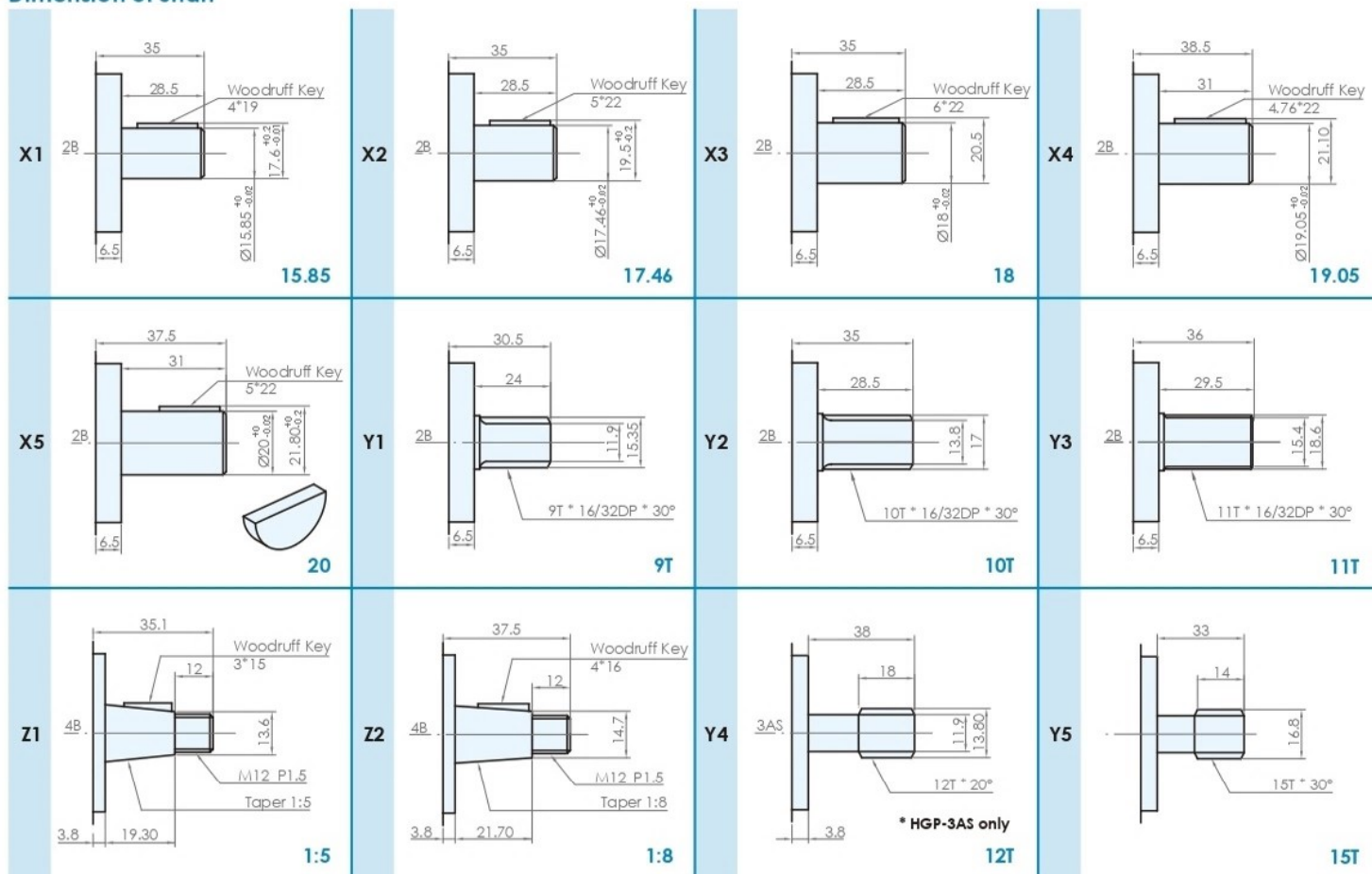
DIMENSIONS (unit : mm)



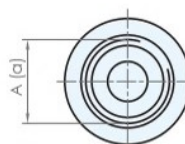
Model	A	B
HGP-3A2D-4	95.9	42.7
HGP-3A2D-6	98.9	44.2
HGP-3A2D-8	101.9	45.7
HGP-3A2D-11	106.9	48.2
HGP-3A2D-13	110.9	50.2
HGP-3A2D-14	112.9	51.2
HGP-3A2D-17	116.9	53.2
HGP-3A2D-19	120.9	55.2
HGP-3A2D-23	127.9	58.7
HGP-3A2D-25	130.9	60.2
HGP-3A2D-28	134.9	62.2
HGP-3A2D-30	138.9	64.2
HGP-3A2D-33	144.9	67.2
HGP-3A2D-35	148.9	69.2



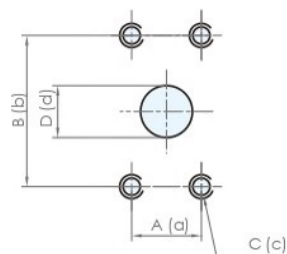
Dimension of Shaft



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

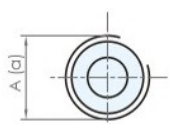


Code	Inlet	Outlet
	A	a
U1	1 1/16"-12UNF	7/8"-14UNF
U2	1 5/16"-12UNF	1 1/16"-12UNF



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



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

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

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