

Bell Hydromatics

Gear Pumps

HGP Series

HGP-01A



Specifications:

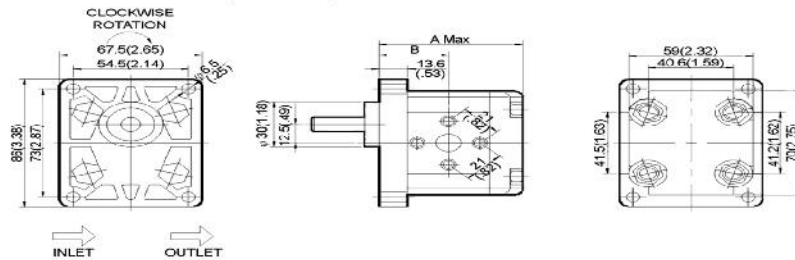
- Pmax: 250 bar (3500 psi)
- Qmax: 1 cc/rev ~ 7.8 cc/rev
- Mounting Type: SAE 2-Bolt European & DIN 4-bolt
- Fluid: ISO VG32 or VG46
- Viscosity & Temperature: 12 ~ 800 cSt & -15°C to 80°C
- Filtration: 260 Microns Absolute or Finer
- Alignment and Installation of pumps: Under 0.05 TIR

Ratings

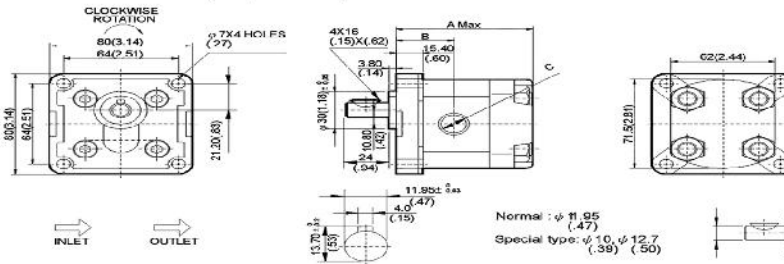
Series	Geometric Displacementcc/rev	Pressure bar (psi)		Speed (rpm)			Weight Kg (lb)
		Work	Max.	Rate	Max.	Min.	
HGP-01A- *F1*	1	210(3000)	250(3500)	1800	4500	1000	1.00 (2.22)
HGP-01A- *F2*	2				4500	600	1.05 (2.33)
HGP-01A- *F3*	3				4500	600	1.15 (2.55)
HGP-01A- *F4*	4				4000	600	1.18 (2.62)
HGP-01A- *F5*	5				3200	600	1.20 (2.66)
HGP-01A- *F6*	6				3200	600	1.30 (2.88)
HGP-01A- *F8*	7.8				3200	600	1.30 (2.88)

Dimensions

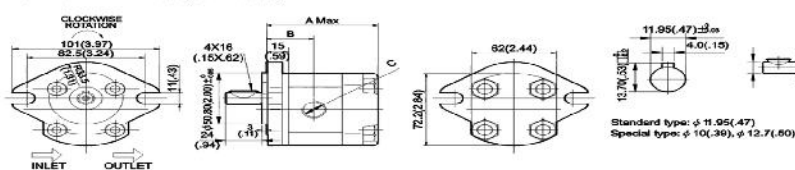
HGP-1A-F*-*-4BD-10 (DIN 4-bolt)



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

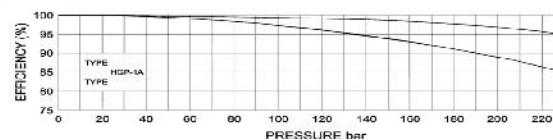


HGP-1A-F*-*-2B-10 (SAE 2-bolt)



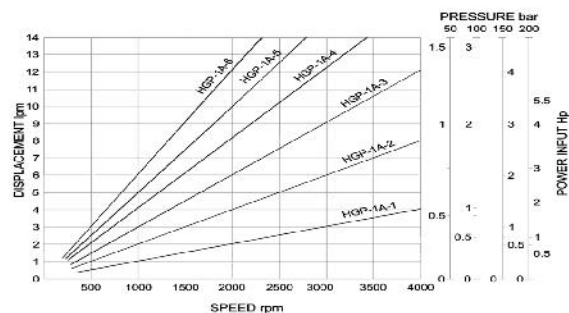
Series	Dimension A mm(inches)	Dimension B mm(inches)	C – Inlet	D – Outlet
HGP-01A-*F1*	77 (3.03)	38.5 (1.51)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F2*	80.5 (3.16)	40.25 (1.58)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F3*	86 (3.38)	43 (1.69)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F4*	88 (3.46)	44 (1.73)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F5*	92 (3.62)	46 (1.81)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F6*	96 (3.77)	48 (1.88)	3/8" PT (Rc)	3/8" PT (Rc)
HGP-01A-*F8*	102 (4.01)	51 (2.00)	1/2" PT (Rc)	3/8" PT (Rc)

Performance Curves



Test Conditions:
 1. Oil Viscosity 45cSt
 2. Oil temperature 40 °C
 3. Speed 1500rpm

Displacement / Power Input / Speed



Ordering Code

HGP	01A	F	08	R	X	2B	10
Series No.	Frame Size	Mounting Form	Geometric Displacement	Rotation (Viewed from shaft end)	Shaft Type	Type of Flange Mounting	Design No.
HGP		F: Flange Mounting L: Foot Mounting	1: 1 cc/rev 2: 2 cc/rev 3: 3 cc/rev 5: 5 cc/rev 6: 6 cc/rev 8: 7.8 cc/rev	R: Clockwise L: Counter-Clockwise	X: Straight Shaft	2B: SAE 2-bolt 4BD: DIN 4-bolt 4DE: European 4-bolt	