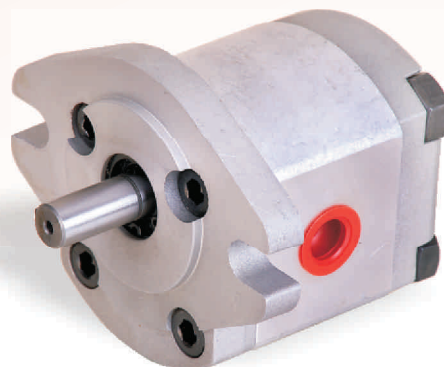


Gear Pumps

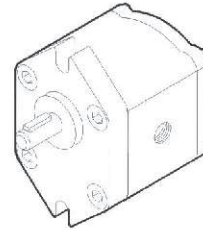


DIMENSIONS

MILLIMETERS(INCHES)

HGP-05A Series Single Gear Pumps

Pmax : 210 bar (3000 psi)
 Qmax : 0.35 cc/rev ~ 1.13 cc/rev
 Mounting Type : 2-bolt
 Fluid : ISO VG32 or VG46
 Viscosity & Temp : 12~800 cSt & -15° C to 80° C
 Filtration : 260 Microns Absolute or Finer
 Alignment and installation of pumps : under 0.05 TIR



Ordering Code

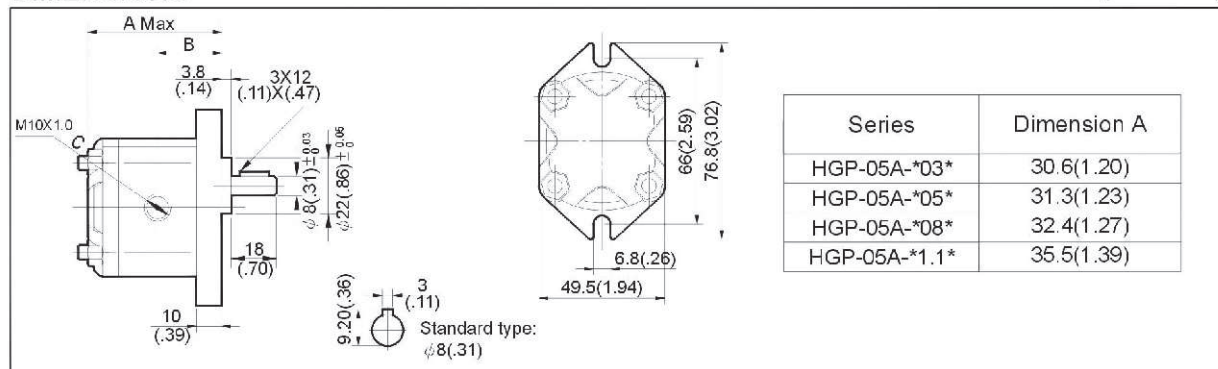
HGP	05A	F	08	R	X	10
Series No.		Design No.				
Frame Size		Shaft Type				
Mounting Form F: Flange Mounting L: Foot Mounting		Rotation (Viewed from shaft end) R: Clockwise L: Counter-clockwise				
Geometric Displacement 03: 0.35 cc/rev 08: 0.85 cc/rev 05: 0.56 cc/rev 1.1: 1.13 cc/rev						

Ratings

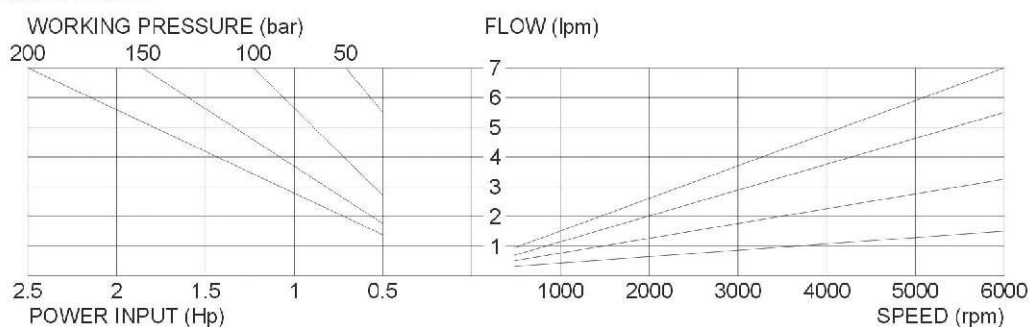
Series	Geometric Displacement cc/rev	Pressure bar (psi)		Speed rpm	Port Size		Weight Kg(lb)
		Work	Max.		In	Out	
HGP-05A-*03*	0.35	175 (2500)	210 (3000)	Rate: 1800 Max.: 3500 Min.: 800	1/8"	1/8"	0.43(.95)
HGP-05A-*05*	0.56						
HGP-05A-*08*	0.85						
HGP-05A-*1.1*	1.13				1/4"	1/4"	

DIMENSIONS

MM(INCHES)



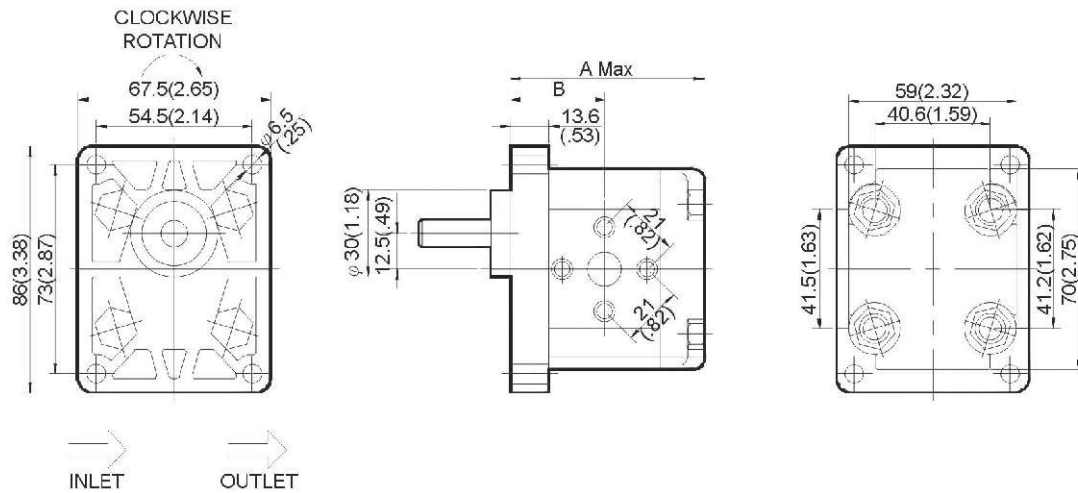
Performance Curve



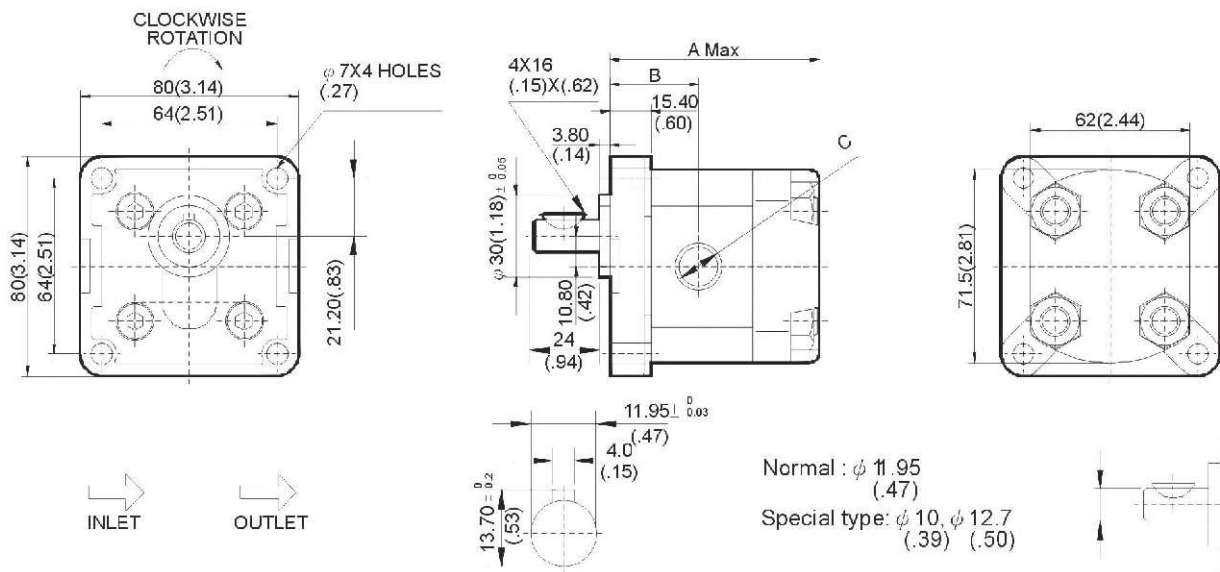
DIMENSIONS

MILLIMETERS(INCHES)

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



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



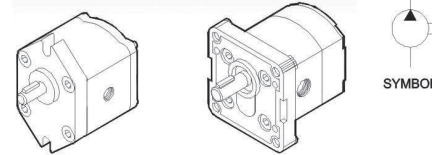
Series	Dimension A mm	Dimension B mm(inch)	C - Inlet	D - Outlet
HGP-1A-F1*	77(3.03)	38.5(1.51)	3/8" PT(Rc)	3/8" PT(Rc)
HGP-1A-F2*	80.5(3.16)	40.25(1.58)	3/8" PT(Rc)	3/8" PT(Rc)
HGP-1A-F3*	86(3.38)	43(1.69)	3/8" PT(Rc)	3/8" PT(Rc)
HGP-1A-F4*	88(3.46)	44(1.73)	3/8" PT(Rc)	3/8" PT(Rc)
HGP-1A-F5*	92(3.62)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

DIMENSIONS

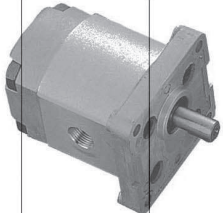
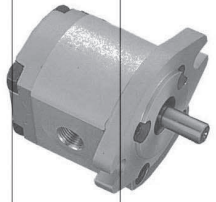
MILLIMETERS(INCHES)

HGP-1A Series Single Gear Pumps

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 & Temp : 12~800 cSt & -15 °C to 80 °C
 Filtration : 260 Microns Absolute or Finer
 Alignment and installation of pumps : under 0.05 TIR



Ordering Code

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

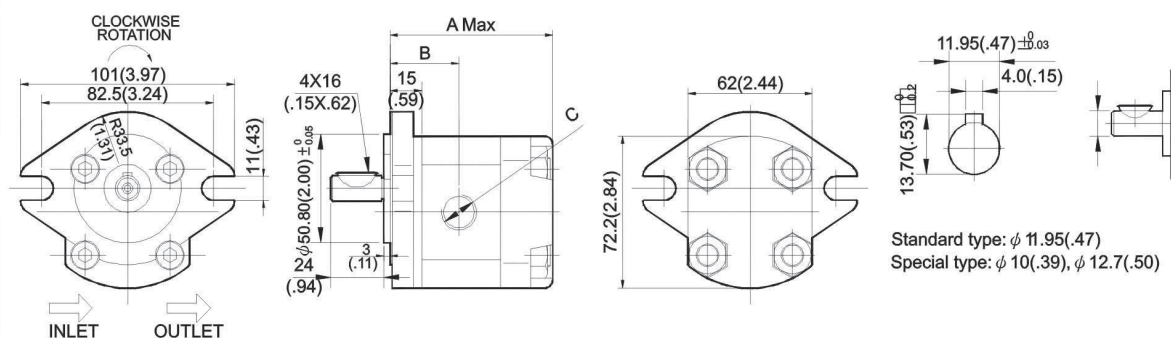
Ratings

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

DIMENSIONS

MILLIMETER(INCHES)

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

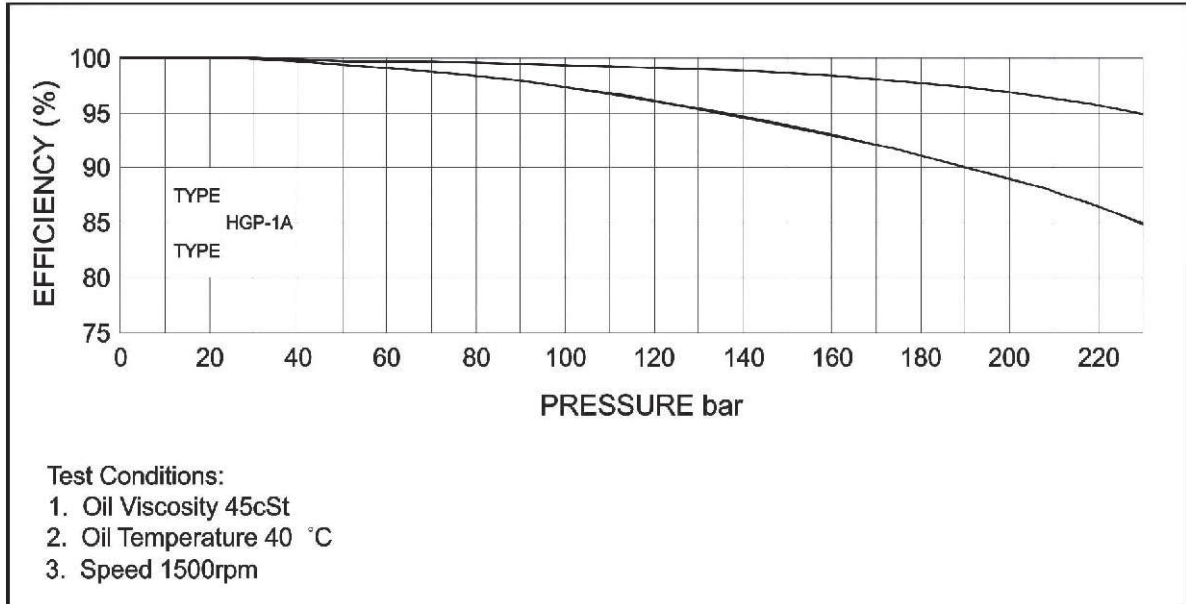


DIMENSIONS

MILLIMETERS(INCHES)

Performance Curves

Pressure / Volumetric Efficiency



Displacement / Power Input / Speed

