

HV10 Series



Specifications

Model	Ring Size Delivery at 1200 r/min & 7 bar (100 psi)	Geometric Displacement	Delivery at 1500 r/min & 7 bar (100 psi)	Maximum Pressure	Maximum Speed	Minimum Speed	Weight
	USgpm	cm ³ /r (in ³ /r)	L/min (USgpm)	bar (psi)	rpm	rpm	kg (lb)
HV 10	1	3.3 (0.20)	4.70 (1.25)	172 (2500)	4800	650	HV10 5.4 - 5.8 (11.88 - 12.76)
	2	6.6 (0.40)	9.40 (2.50)		4500		
	3	9.8 (0.60)	14.20 (3.75)		4000		
	4	13.1 (0.80)	18.90 (5.00)		3400		
	5	16.4 (1.00)	23.60 (6.25)	152 (2200)	3200		HV10F, HV10P 6.00 - 6.70 (13.2 - 14.74)
	6	19.5 (1.19)	28.40 (7.50)		3000		
	7	22.8 (1.39)	33.10 (8.75)	138 (2000)	2800		

HV1 0 Series



Ordering Code : Single Pump

HV10 - 1 S 4 S - 1 C - 20 - L
 1 2 3 4 5 6 7 8 9

1. Model :

HV10 - Standard Cover
 SAE A 2 bolts mounting flange J744

2. Mounting

1 - Bolt Flange

3. Inlet Port Connection

S - 1" 5/16 - 12 UN(SAE#16)
 P - 1" NPT
 B - 1" BSP

4. Displacement (at 1200 rpm)

Volumetric displacement cm³/rev (in³/rev)

1 - 3.3 (0.20)
 2 - 6.6 (0.40)
 3 - 9.8 (0.60)
 4 - 13.1 (0.80)
 5 - 16.4 (1.00)
 6 - 19.5 (1.19)
 7 - 22.8 (1.39)

5. Outlet Port Connection

S - 3/4" - 16 UNF(SAE#8)
 P - 1/2" NPT
 B - 1/2" BSP

6. Type of shaft

1 - Straight Keyed Shaft
 3 - Threaded with woodruff Keyed Shaft
 11 - Splined Shaft
 12 - Splined Shaft
 38 - Splined Shaft

7. Outlet Port Position (Viewed from cover end)

A - Opposite inlet
 B - 90° CCW from inlet
 C - Inline with inlet
 D - 90° CW from inlet

8. Design

Subject to change. Installation dimension remain the same for designs - 20 through -29

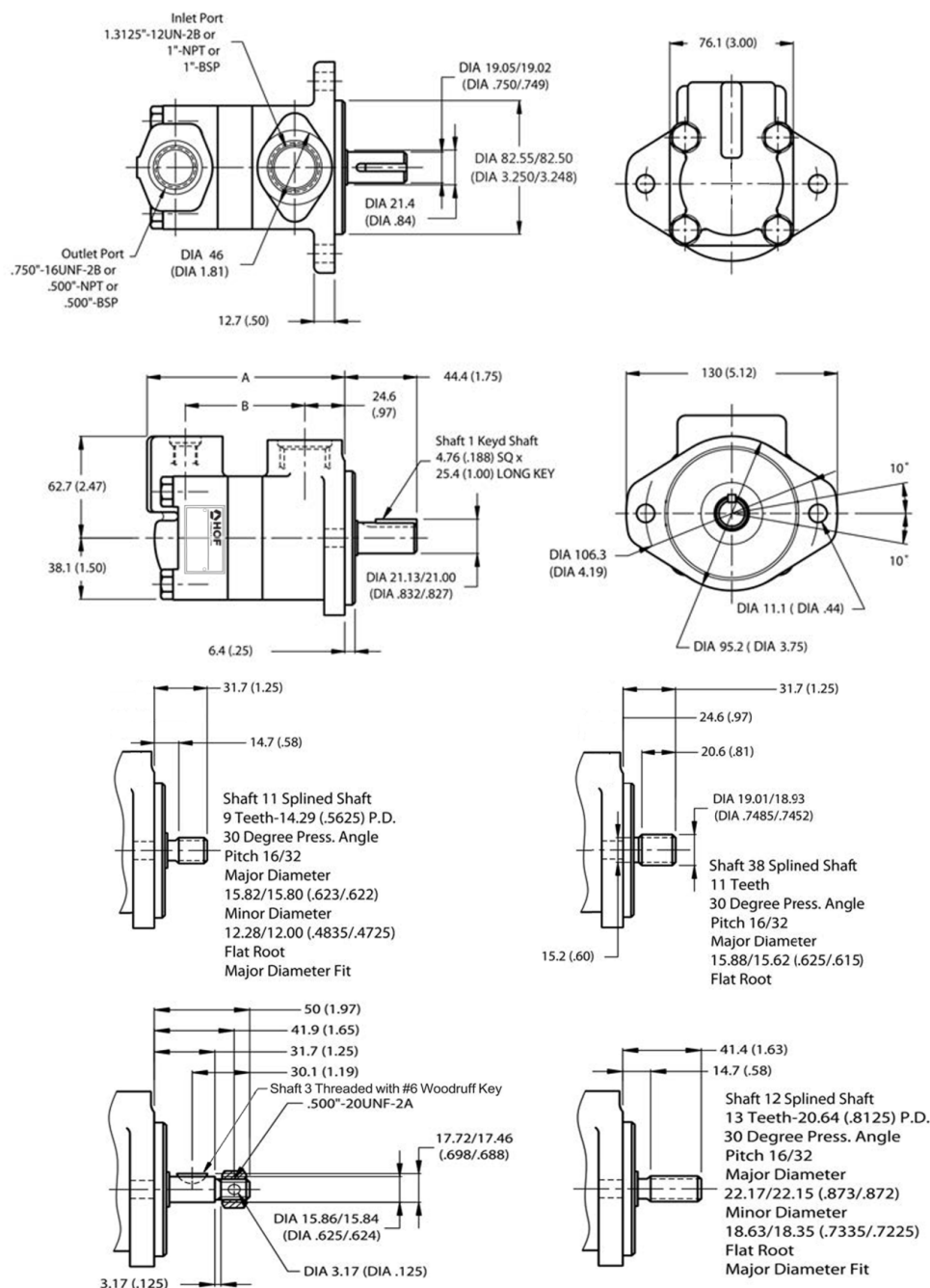
9. Shaft Rotation (viewed from shaft end)

R - Turn right
 L - Turn left

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Installation Dimension mm (inch)

HV10



Delivery @ 1200 rpm & 7 bar (100psi)	Dimension	
	A	B
1, 2, 3	115.6 (4.55)	67.3 (2.65)
4, 5	121.9 (4.80)	73.7 (2.90)
6, 7	127.0 (5.00)	78.7 (3.10)

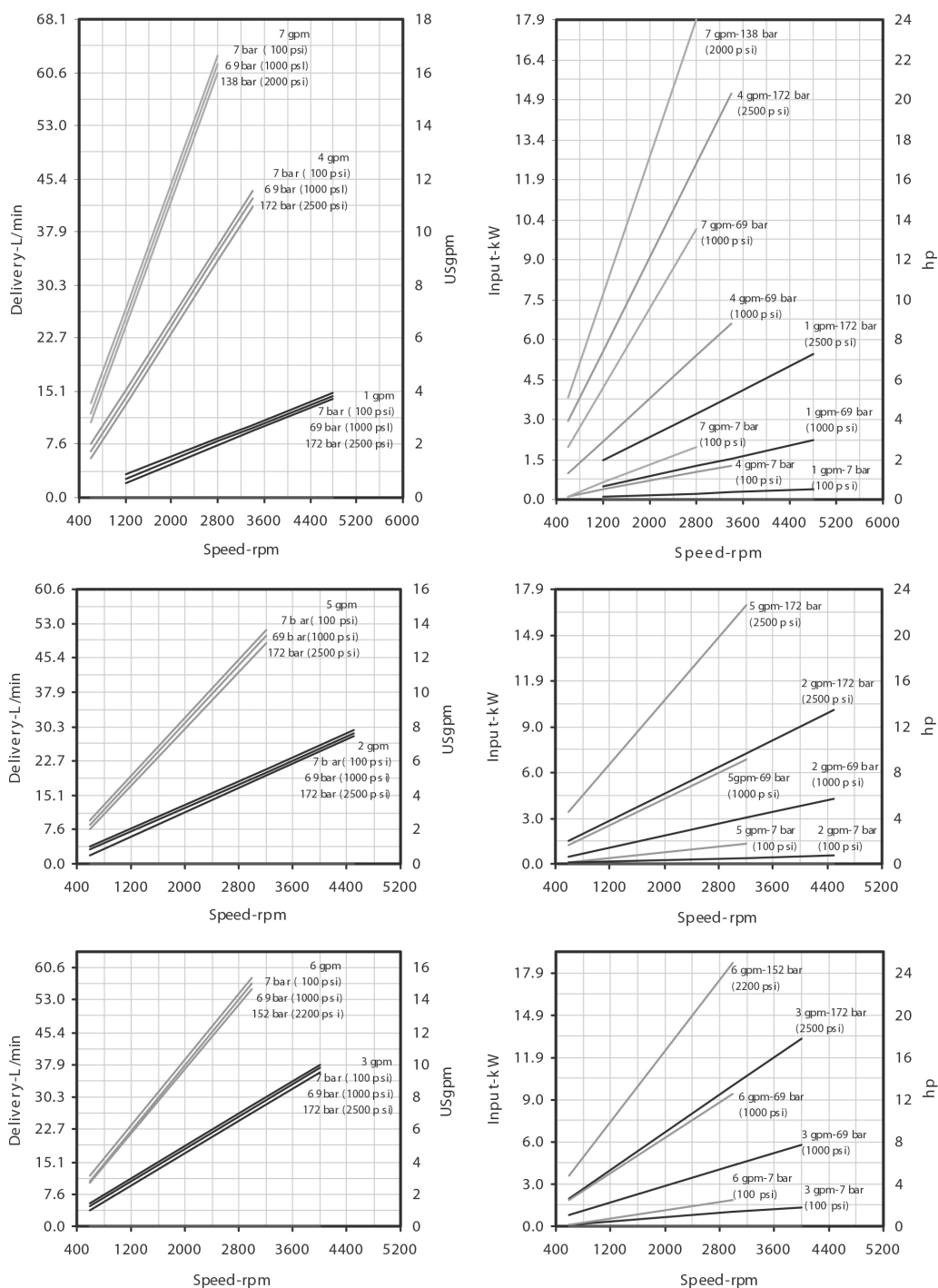
HV10 Series



Performance Characteristics

HV10, Cover End of HV2010

Based on viscosity 32 cSt (150 SSU) oil at 49°C (120°F) and pump inlet at 0 PSIG (14.7 PSIA)



For the Cover End cartridge, the speed could not exceed the maximum speed of the shaft End Cartridge.