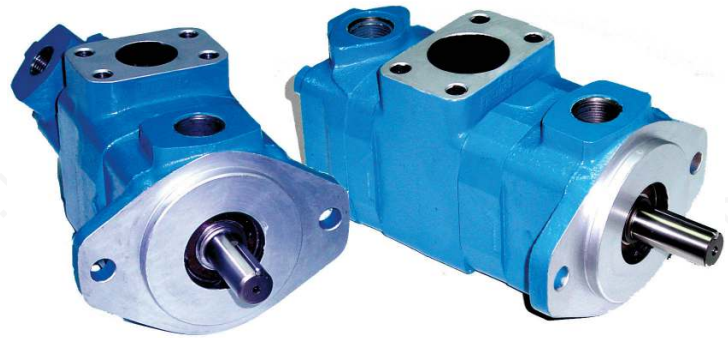


DOUBLE VANE PUMP

V2010/V2020

INTERMAGNUS

- High Performance
- Low Cost
- Extended Life
- Versatile
- Compact
- Quiet Operation
- Hydraulic Balance



Model Code

1. V2010-1F13S7S-1CB-L Model

Model V2010/V2020

SAE "B" Mounting and 4 Bolt Flange Inlet Port

2. V2010-1F13S7S-1CB-L Ring Size

2.1 Shaft End: 7, 8, 9, 11, 12, 13

2.2 Cover End: 1, 2, 3, 4, 5, 6, 7 (V2010)

6, 7, 8, 9, 11 (V2020)

3. V2010-1F13S7S-1CB-L Port Size

3.1 Shaft End Outlet S - 1.062"-12 Str. thd.

3.2 Cover End Outlet S - .750"-16 Str. thd. (V2010)
- 1.062"-12 Str. thd. (V2020)

4. V2010-1F13S7S-1CB-L Shaft Type

1 - Straight keyed

11 - Splined

5. V2010-1F13S7S-1CB-L Porting

Shaft End Outlet port position (Viewed from cover end)

A - Opposite inlet

B - 90° CCW from inlet

C - Inline with inlet

D - 90° CW from inlet

6. V2010-1F13S7S-1CB-L Porting

Cover End Outlet port position (Viewed from cover end)

For V2010

A - 135° CCW from inlet

B - 45° CCW from inlet

C - 45° CW from inlet

D - 135° CW from inlet

For V2020

A - Opposite inlet

B - 90° CCW from inlet

C - Inline with inlet

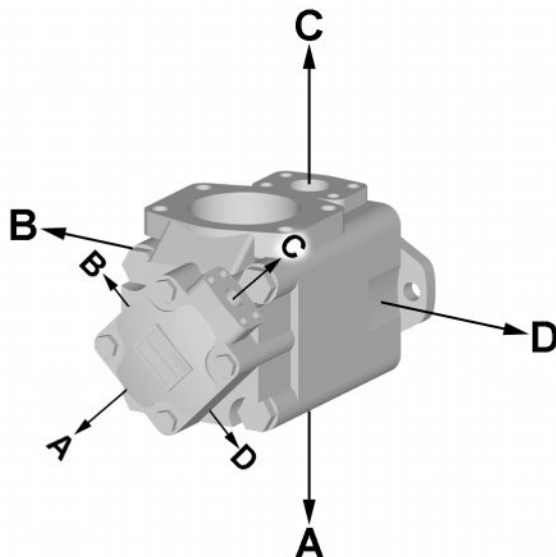
D - 90° CW from inlet

7. V2010-1F13S7S-1CB-L Rotation

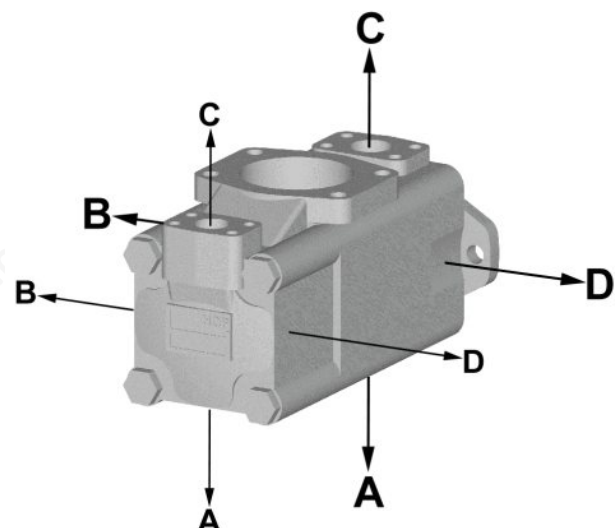
Shaft Rotation (Viewed from shaft end)

Omit - Turn right

L - Turn left



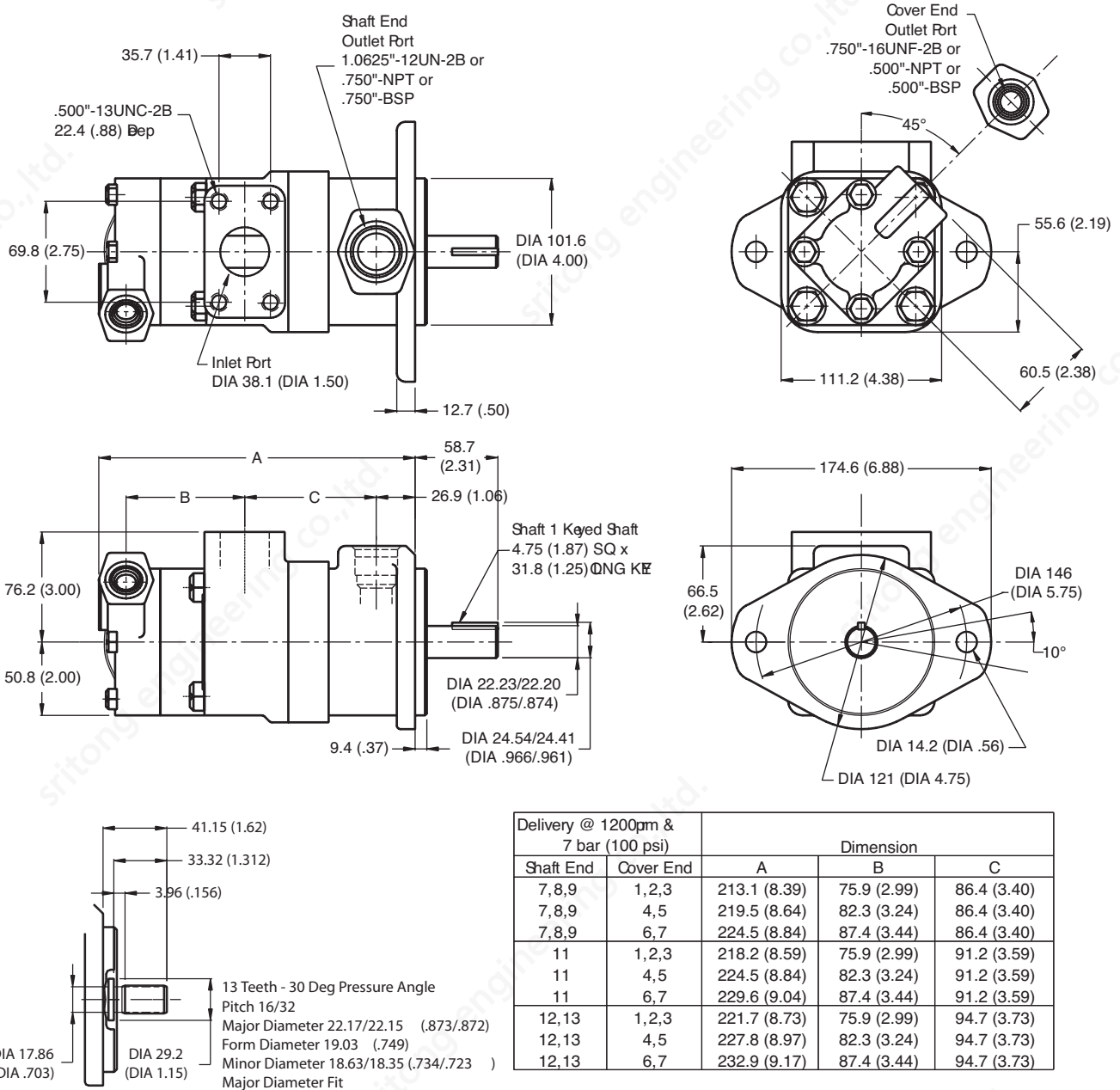
Port Positions for V2010



Port Positions for V2020

Performance Data and Dimensions mm (inch)

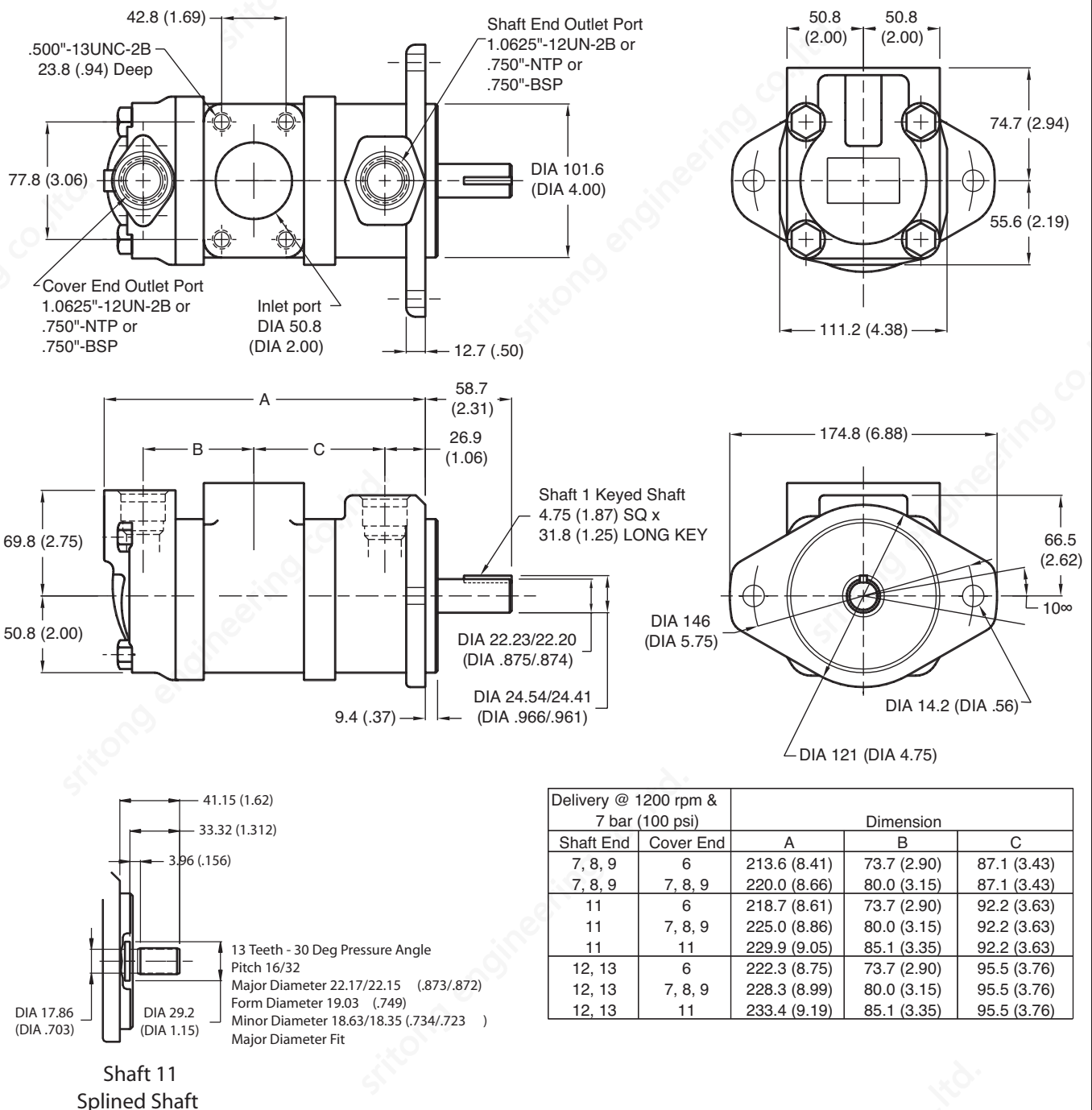
Model Series	Cartridge Position	Ring Size Delivery at 1200 r/min & 7 bar (100 psi) USgpm	Geometric Displacement cm ³ /r (in ³ /r)	Delivery at 1500 r/min & 7 bar (100 psi) L/min (USgpm)	Maximum Pressure bar (psi)	Maximum Speed rpm	Weight kg (lb)
V2010	Shaft End	7	22.8 (1.39)	33.11 (8.75)	172 (2500)	3000	13.6 (30)
		8	26.5 (1.62)	37.85 (10.00)	172 (2500)	2800	
		9	29.7 (1.81)	42.57 (11.25)	172 (2500)	2800	
		11	36.4 (2.22)	52.04 (13.75)	172 (2500)	2500	
		12	39.0 (2.38)	56.77 (15.00)	152 (2200)	2400	
		13	42.4 (2.59)	61.50 (16.25)	152 (2200)	2400	
	Cover End	1	3.3 (0.20)	4.70 (1.25)	172 (2500)	3000	
		2	6.6 (0.40)	9.40 (2.50)	172 (2500)	3000	
		3	9.8 (0.60)	14.20 (3.75)	172 (2500)	3000	
		4	13.1 (0.80)	18.90 (5.00)	172 (2500)	3000	
		5	16.4 (1.00)	23.60 (6.25)	172 (2500)	3000	
		6	19.5 (1.19)	28.40 (7.50)	152 (2200)	3000	
		7	22.8 (1.39)	33.10 (8.75)	138 (2000)	2800	



Shaft 11
Splined Shaft

Performance Data and Dimensions mm (inch)

Model Series	Cartridge Position	Ring Size Delivery at 1200 r/min & 7 bar (100 psi) USgpm	Geometric Displacement cm ³ /r (in ³ /r)	Delivery at 1500 r/min & 7 bar (100 psi) L/min (USgpm)	Maximum Pressure bar (psi)	Maximum Speed rpm	Weight kg (lb)
V2020	Shaft End	7	22.8 (1.39)	33.11 (8.75)	172 (2500)	3000	15.9 (35)
		8	26.5 (1.62)	37.85 (10.00)	172 (2500)	2800	
		9	29.7 (1.81)	42.57 (11.25)	172 (2500)	2800	
		11	36.4 (2.22)	52.04 (13.75)	172 (2500)	2500	
		12	39.0 (2.38)	56.77 (15.00)	152 (2200)	2400	
		13	42.4 (2.59)	61.50 (16.25)	152 (2200)	2400	
	Cover End	6	19.5 (1.19)	28.39 (7.50)	172 (2500)	3000	
		7	22.8 (1.39)	33.11 (8.75)		3000	
		8	26.5 (1.62)	37.85 (10.00)		2800	
		9	29.7 (1.81)	42.57 (11.25)		2800	
		11	36.4 (2.22)	52.04 (13.75)		2500	



Delivery @ 1200 rpm & 7 bar (100 psi)		Dimension		
Shaft End	Cover End	A	B	C
7, 8, 9	6	213.6 (8.41)	73.7 (2.90)	87.1 (3.43)
7, 8, 9	7, 8, 9	220.0 (8.66)	80.0 (3.15)	87.1 (3.43)
11	6	218.7 (8.61)	73.7 (2.90)	92.2 (3.63)
11	7, 8, 9	225.0 (8.86)	80.0 (3.15)	92.2 (3.63)
11	11	229.9 (9.05)	85.1 (3.35)	92.2 (3.63)
12, 13	6	222.3 (8.75)	73.7 (2.90)	95.5 (3.76)
12, 13	7, 8, 9	228.3 (8.99)	80.0 (3.15)	95.5 (3.76)
12, 13	11	233.4 (9.19)	85.1 (3.35)	95.5 (3.76)