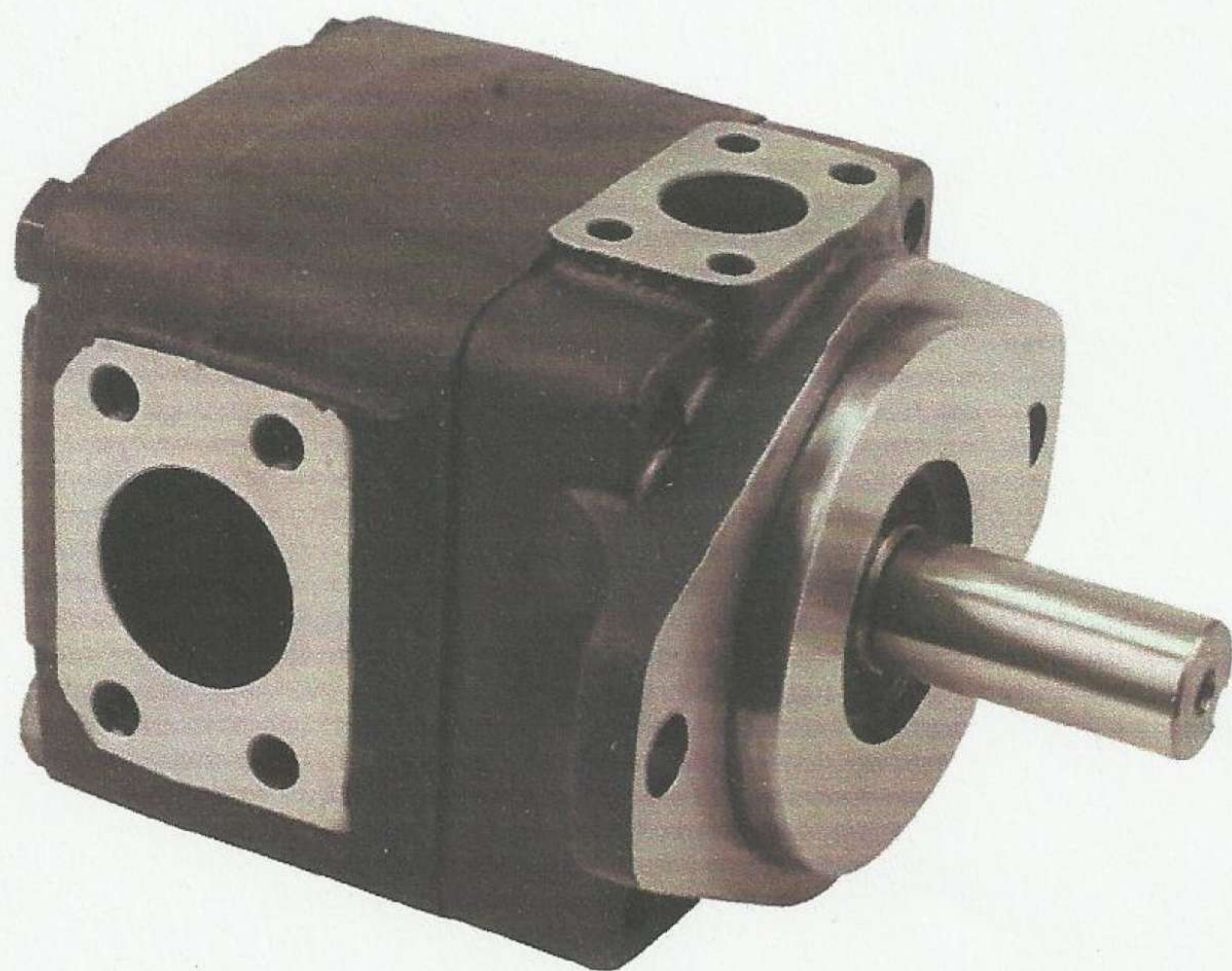


# High Pressure Single Vane Pump

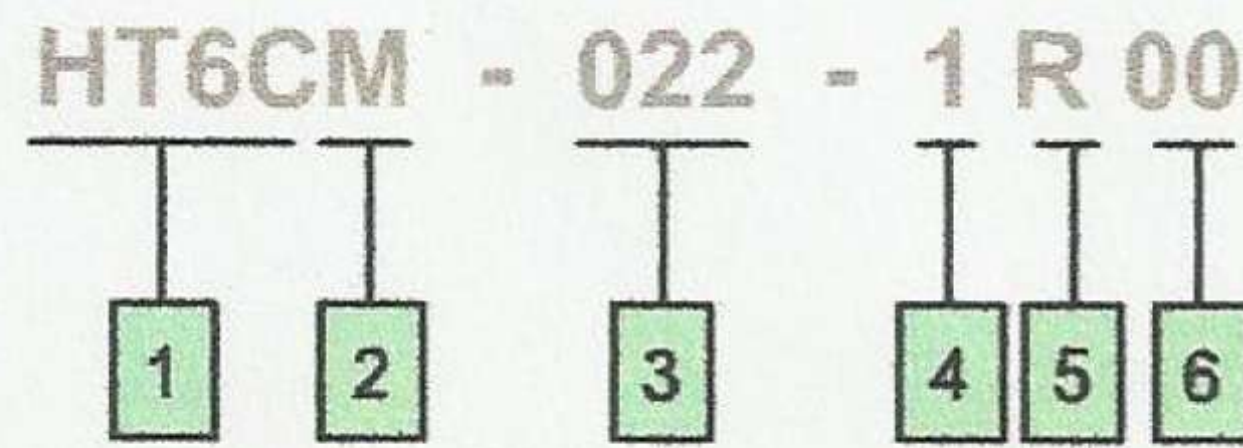
## HT6C/HT6D/HT7E Series

### Features

- T6C , T6D and T7E Series are fixed displacement and balanced type single vane pumps. The pump is designed for higher operating pressure and greater flow at the same housing size.
- With a balanced pin-vane design, outlet pressure is continuously applied only to the pin. The pin provides the steady light force against the vane. Top and bottom areas of the vane are subject to the same pressure, either inlet or outlet pressure, depending on the vane's location during rotor rotation. This pin-vane design minimizes noise level and improves volumetric efficiency.
- With the cartridge independent of the shaft, allowing for easy change of flow capacity and field servicing without removing the pump from its mounting.







**1** Model  
HT6C, HT6D, HT7E

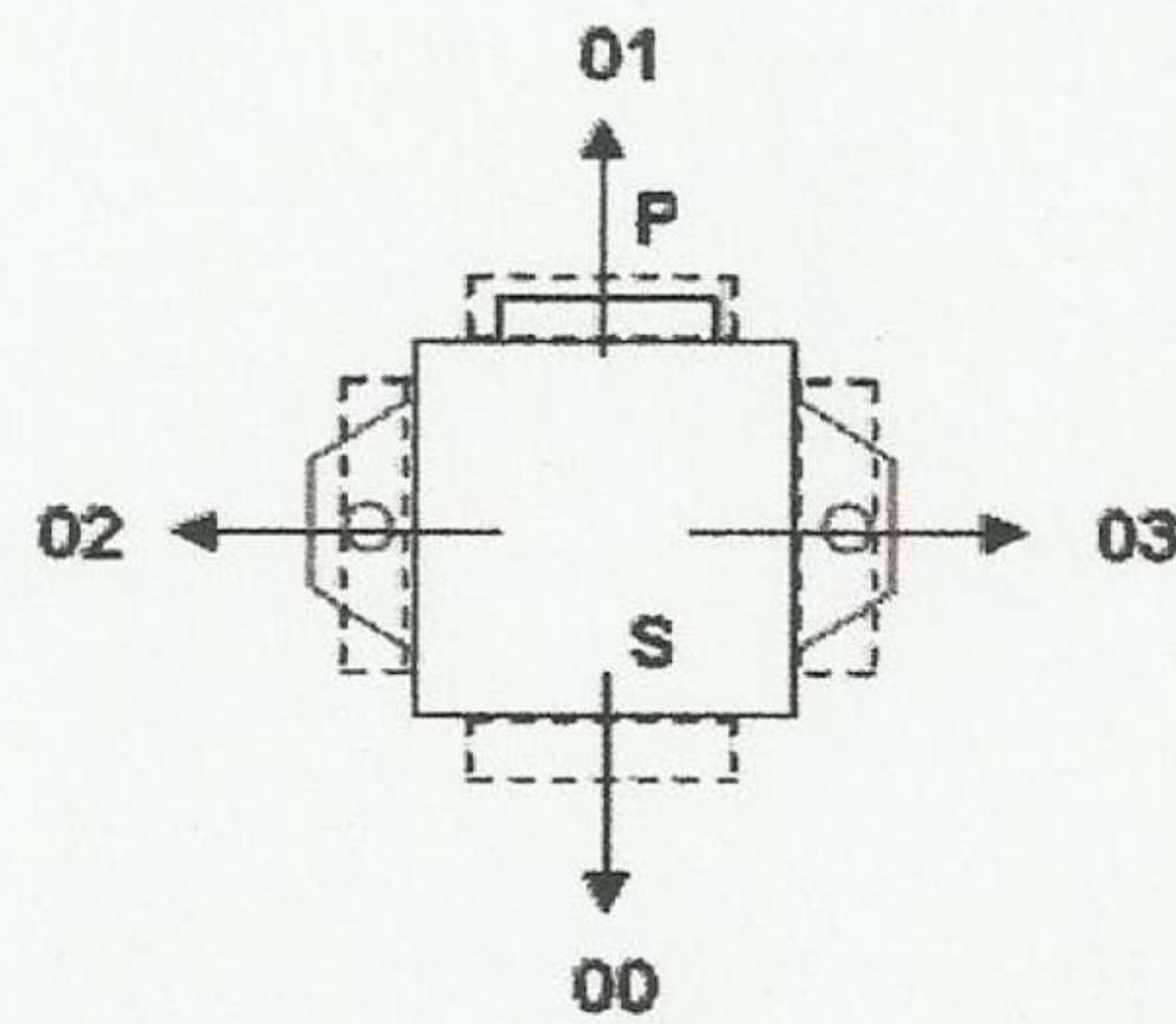
**2** Series  
Omit - Industrial  
M - Mobile

**3** Ring Size (US gallon)  
HT6C - 003, 005, 006, 008, 010, 012, 014,  
017, 020, 022, 025, 028, 031  
HT6D - 014, 020, 024, 028, 031, 035, 038,  
042, 045, 050, 061  
HT7E - 042, 045, 050, 052, 054, 057, 066,  
072, 085

**4** Shaft  
For HT6C  
1 - SAE B Keyed Shaft  
2 - Keyed Shaft  
3 - SAE B Splined Shaft  
For HT6D  
1 - SAE C Keyed Shaft  
2 - Keyed Shaft  
3 - SAE C Splined Shaft  
For HT7E  
1 - SAE CC Keyed Shaft  
2 - Keyed Shaft  
3 - SAE C Splined Shaft

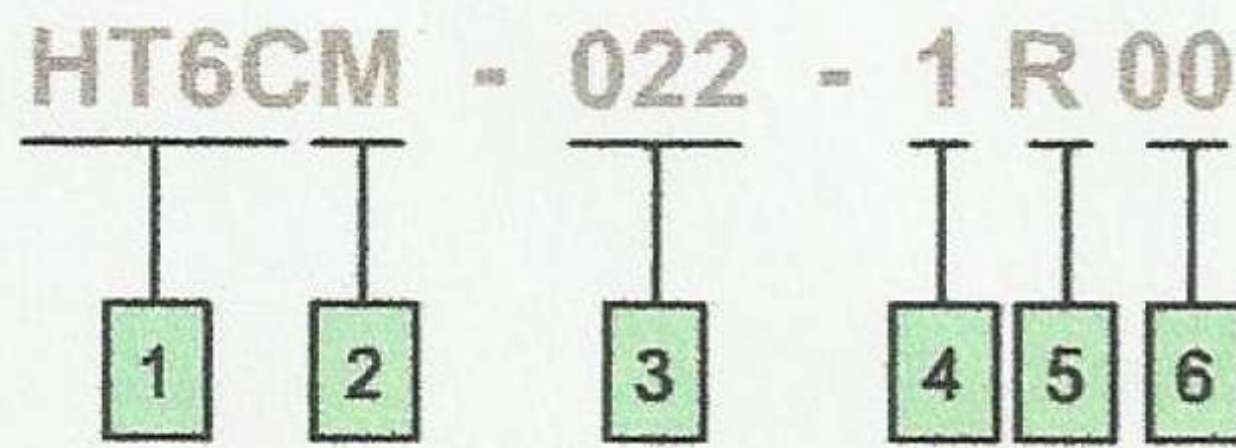
**5** Shaft Rotation  
(Viewed from shaft end)  
Omit - Turn right  
L - Turn left

**6** Inlet Port position  
(Viewed from cover end)  
00 - Opposite Outlet  
02 - 90° CCW from Outlet  
01 - Inline with Outlet  
03 - 90° CW from Outlet



(\*Special shaft for mobile use available upon request)





**1** Model  
HT6C, HT6D, HT7E

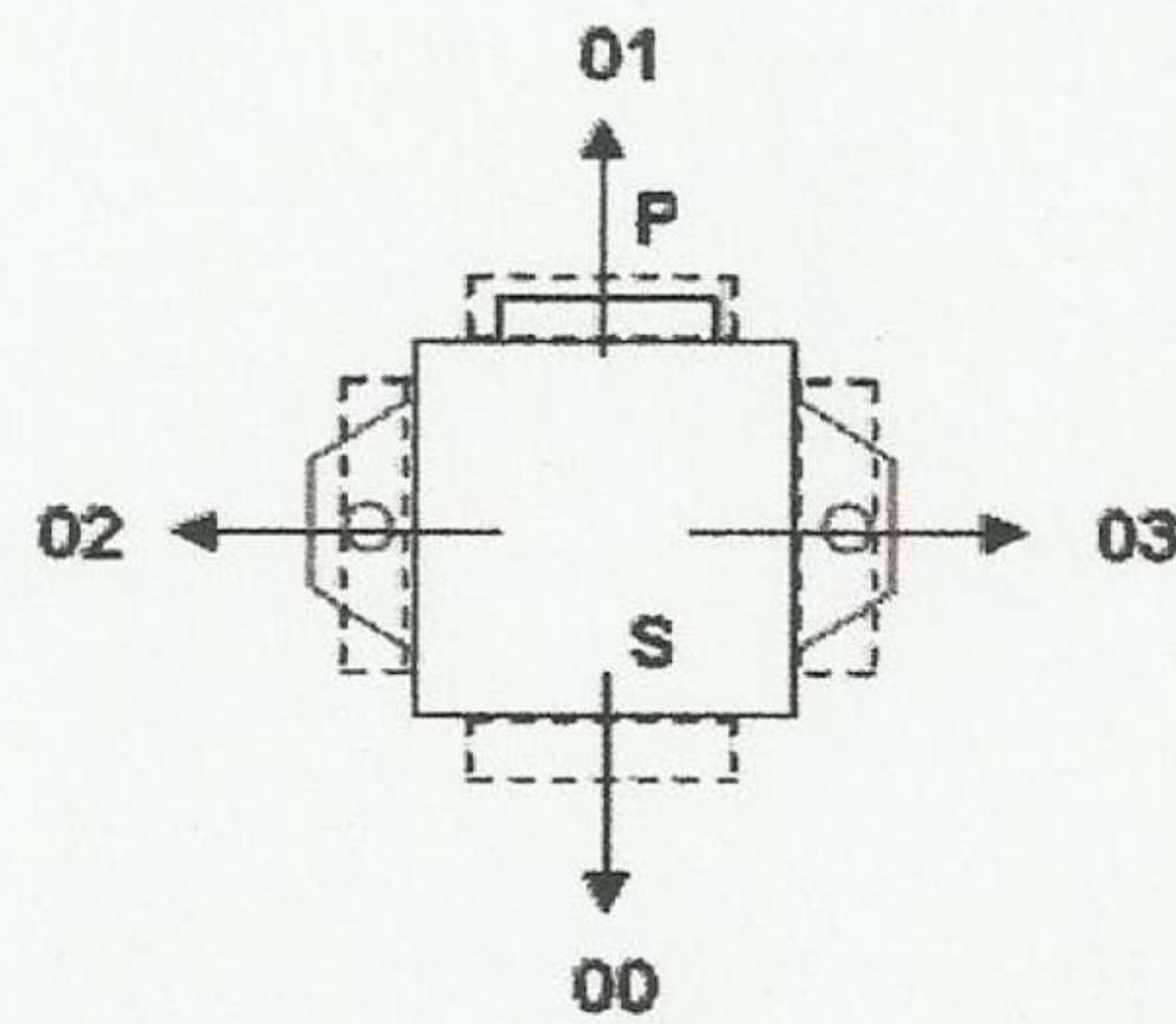
**2** Series  
Omit - Industrial  
M - Mobile

**3** Ring Size (US gallon)  
HT6C - 003, 005, 006, 008, 010, 012, 014,  
017, 020, 022, 025, 028, 031  
HT6D - 014, 020, 024, 028, 031, 035, 038,  
042, 045, 050, 061  
HT7E - 042, 045, 050, 052, 054, 057, 066,  
072, 085

**4** Shaft  
For HT6C  
1 - SAE B Keyed Shaft  
2 - Keyed Shaft  
3 - SAE B Splined Shaft  
For HT6D  
1 - SAE C Keyed Shaft  
2 - Keyed Shaft  
3 - SAE C Splined Shaft  
For HT7E  
1 - SAE CC Keyed Shaft  
2 - Keyed Shaft  
3 - SAE C Splined Shaft

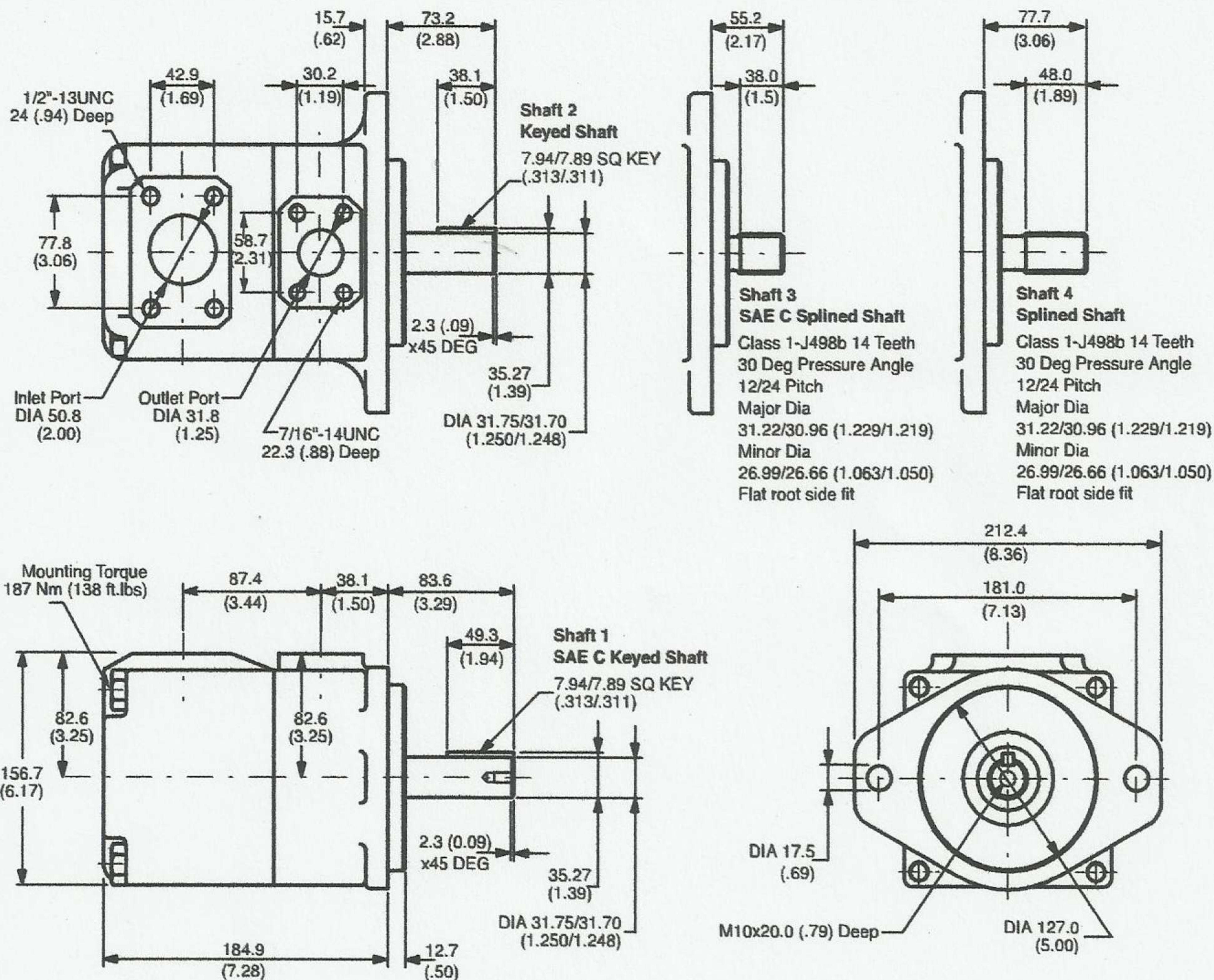
**5** Shaft Rotation  
(Viewed from shaft end)  
Omit - Turn right  
L - Turn left

**6** Inlet Port position  
(Viewed from cover end)  
00 - Opposite Outlet  
02 - 90° CCW from Outlet  
01 - Inline with Outlet  
03 - 90° CW from Outlet



(\*Special shaft for mobile use available upon request)

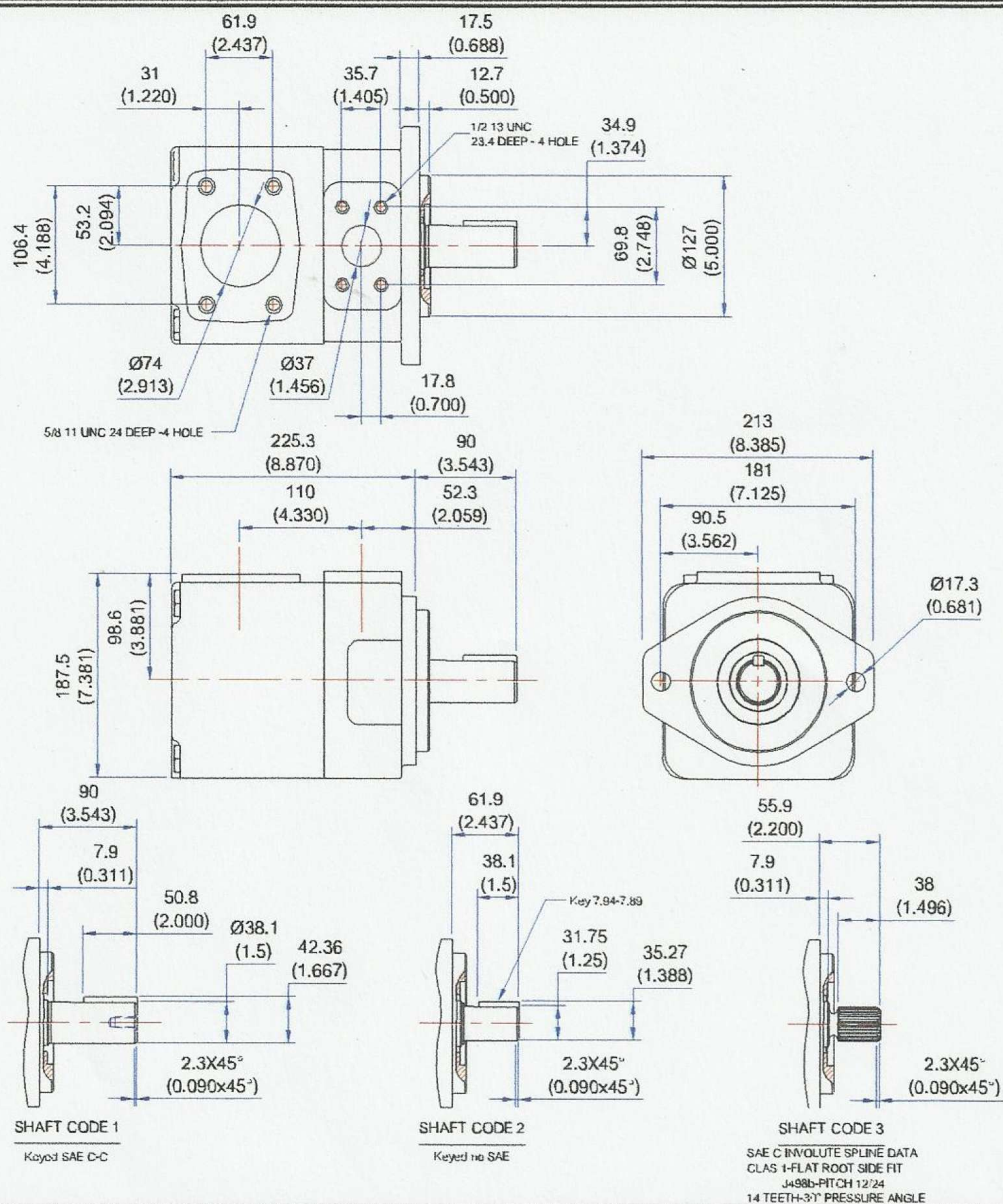




Specifications

Size	Displacement cm <sup>3</sup> /r (in <sup>3</sup> /r)	Max Speed rpm	Min Speed rpm	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	Weight kg (lb)
014	47.6 (2.90)	2500	600	240 (3500)	210 (3000)	24 (53)
020	66.0 (4.03)					
024	79.5 (4.85)					
028	89.7 (5.47)					
031	98.3 (6.00)					
035	111.0 (6.77)					
038	120.3 (7.34)					
042	136.0 (8.30)	2200		210 (3000)	160 (2320)	
045	145.7 (8.89)					
050	158.0 (9.64)					
061	190.5 (11.63)	1800		120 (1700)	80 (1160)	





Specifications

Size	Displacement cm <sup>3</sup> /r (in <sup>3</sup> /r)	Max Speed rpm	Max Speed rpm	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	Weight kg (lb)
042	132.3 (8.06)	2200	600	240	210	43.3 (95.26)
045	142.4 (8.68)					
050	158.5 (9.66)					
052	164.8 (10.04)					
054	171.0 (10.42)					
057	183.3 (11.17)					
062	196.7 (11.99)					
066	213.3 (13.00)					
072	227.1 (13.84)					



# High Pressure Double Vane Pump

## T6CC/T6DC Series

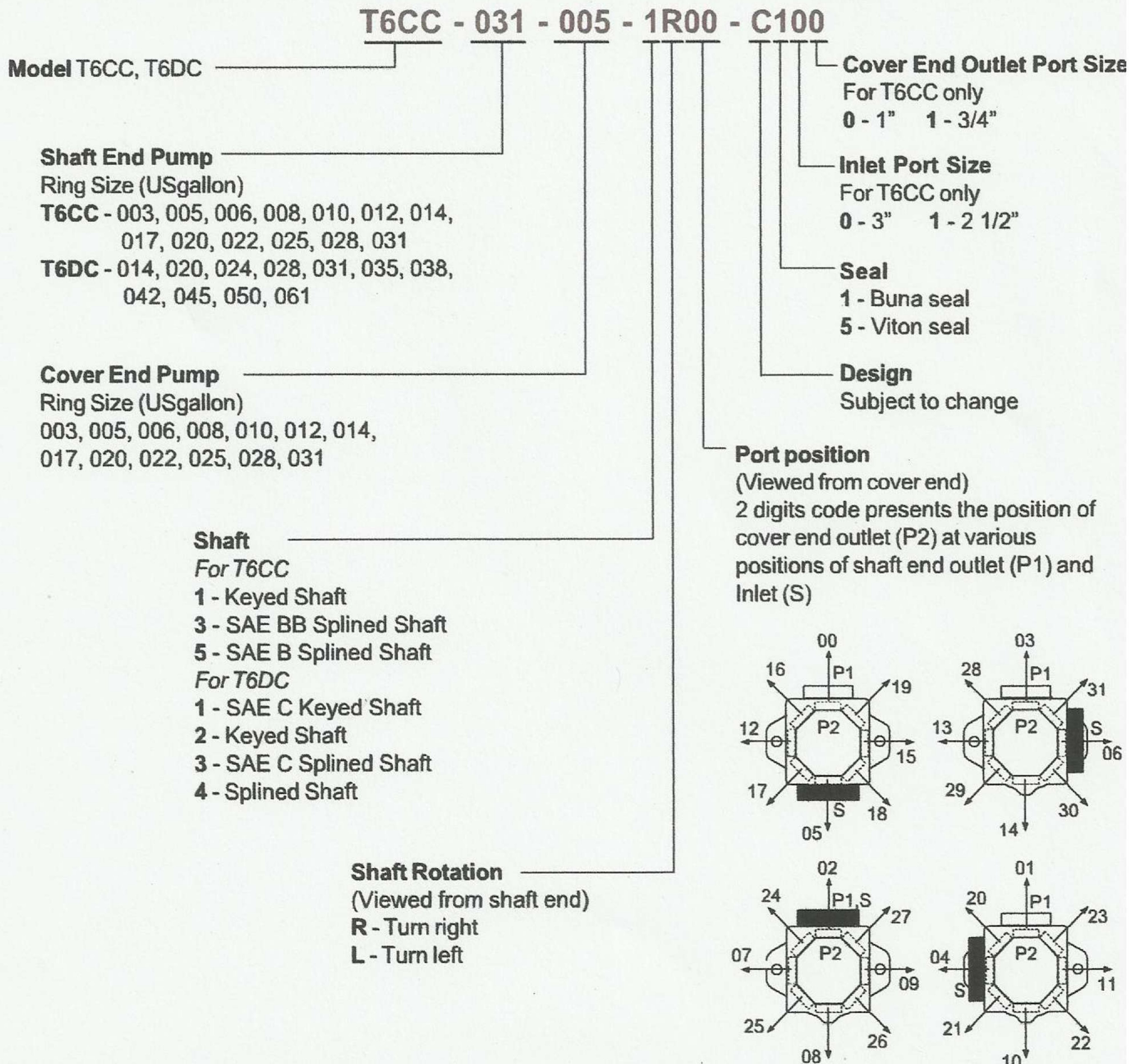
### Features

- T6CC and T6DC Series are fixed displacement and balanced type double vane pumps. The pump is designed for higher operating pressure and greater flow at the same housing size.
- With a balanced pin-vane design, outlet pressure is continuously applied only to the pin. The pin provides the steady light force against the vane. Top and bottom areas of the vane are subject to the same pressure, either inlet or outlet pressure, depending on the vane's location during rotor rotation. This pin-vane design minimizes noise level and improves volumetric efficiency.
- With the cartridge independent of the shaft, allowing for

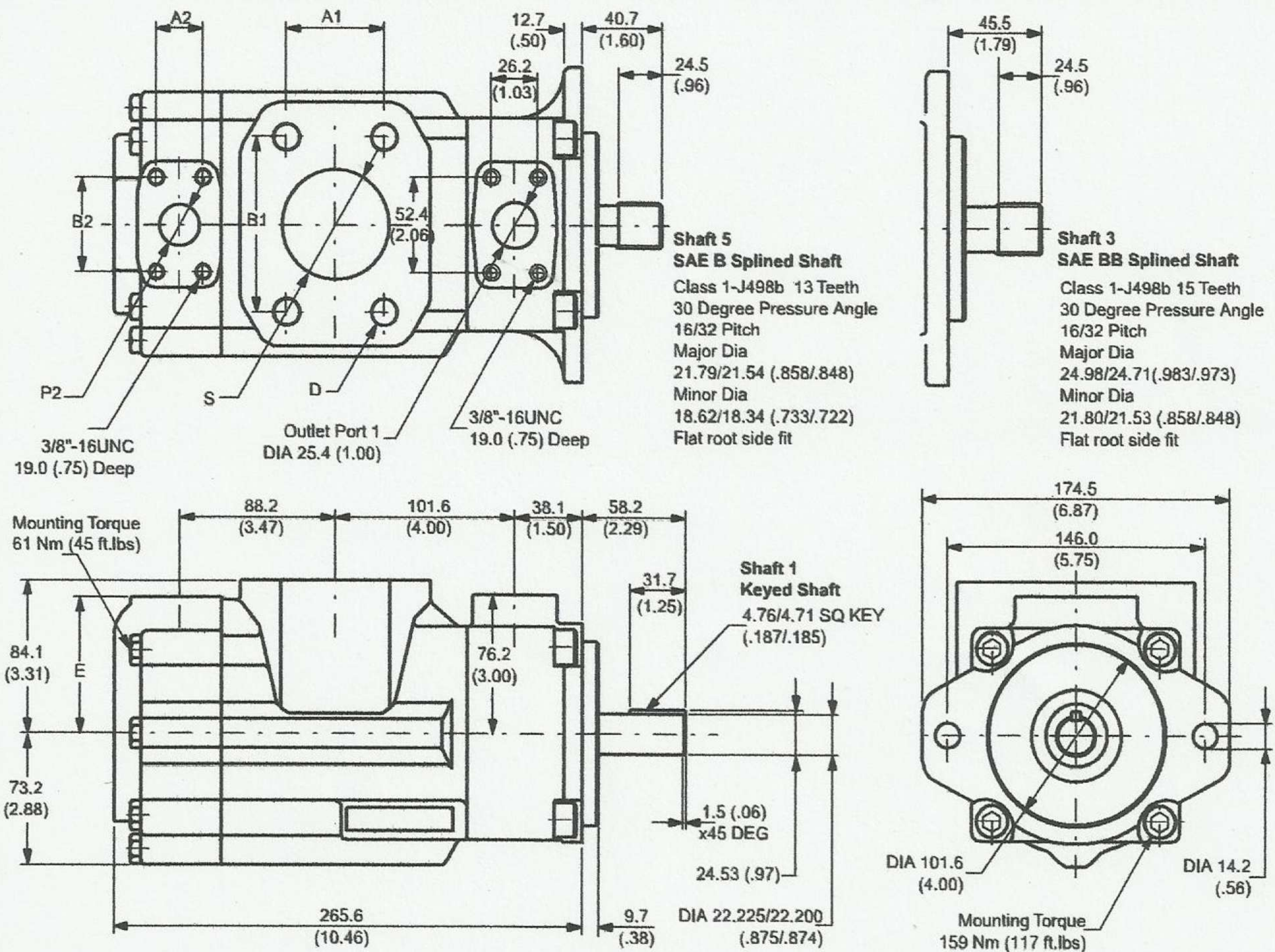


easy change of flow capacity and field servicing without removing the pump from its mounting.

### Ordering Code





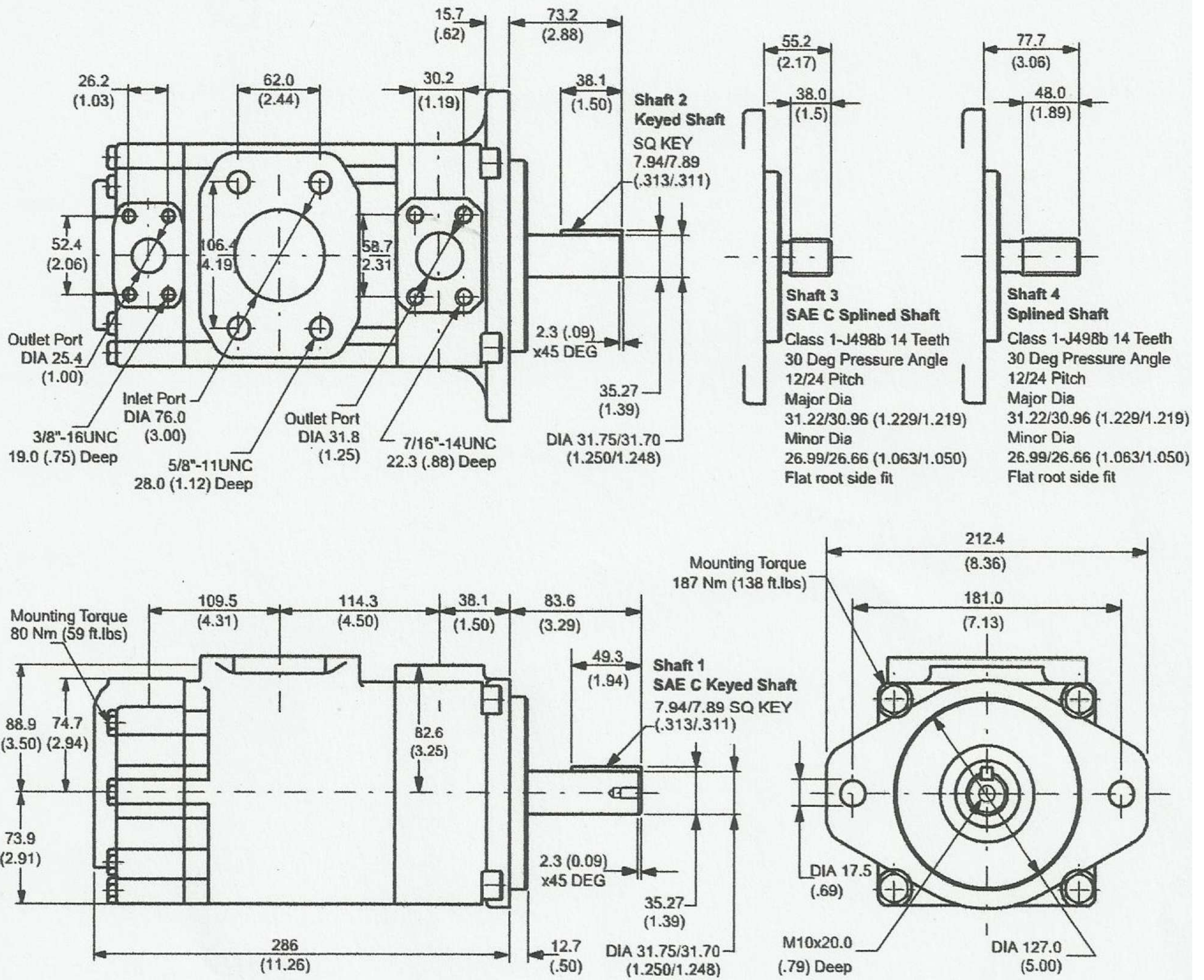


Inlet Port Size	S	A1	B1	D
3"	76.2 (3.00)	61.9 (2.44)	106.4 (4.19)	5/8"-11UNC 28.4 (1.12) Deep
2 1/2"	63.5 (2.50)	50.8 (2.00)	88.9 (3.50)	1/2"-13UNC 23.9 (.94) Deep

Cover End Outlet Port Size	P2	A2	B2	E
1"	25.4 (1.00)	26.2 (1.03)	52.4 (2.06)	74.7 (2.94)
3/4"	19.0 (.75)	22.4 (.88)	47.7 (1.88)	76.2 (3.00)

Shaft End Pump				Cover End Pump				Max Speed	Weight
	cm <sup>3</sup> /r (in <sup>3</sup> /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	Size	Displacement cm <sup>3</sup> /r (in <sup>3</sup> /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)		
003	10.8 (0.66)	280 (4000)	240 (3500)	003	10.8 (0.66)	280 (4000)	240 (3500)	2800	26 (57)
005	17.2 (1.05)			005	17.2 (1.05)				
006	21.3 (1.30)			006	21.3 (1.30)				
008	26.4 (1.61)			008	26.4 (1.61)				
010	34.1 (2.08)			010	34.1 (2.08)				
012	37.1 (2.26)			012	37.1 (2.26)				
014	46.0 (2.81)			014	46.0 (2.81)				
017	58.3 (3.56)			017	58.3 (3.56)				
020	63.8 (3.89)			020	63.8 (3.89)				
022	70.3 (4.29)			022	70.3 (4.29)				
025	79.3 (4.84)	025	79.3 (4.84)						
028	88.8 (5.42)	210 (3000)	160 (2300)	028	88.8 (5.42)	210 (3000)	160 (2300)		
031	100.0 (6.10)			031	100.0 (6.10)				





Shaft End Pump				Cover End Pump				Max Speed	Weight				
Size	Displacement	Max Intermittent Pressure	Max Continuous Pressure	Size	Displacement	Max Intermittent Pressure	Max Continuous Pressure						
	cm <sup>3</sup> /r (in <sup>3</sup> /r)	bar (psi)	bar (psi)		cm <sup>3</sup> /r (in <sup>3</sup> /r)	bar (psi)	bar (psi)	rpm	kg (lb)				
014	47.6 (2.90)	240 (3500)	210 (3000)	003	10.8 (0.66)	280 (4000)	240 (3500)	2500	37 (82)				
020	66.0 (4.03)			005	17.2 (1.05)								
024	79.5 (4.85)			006	21.3 (1.30)								
028	89.7 (5.47)			008	26.4 (1.61)								
031	98.3 (6.00)			010	34.1 (2.08)								
035	111.0 (6.77)			012	37.1 (2.26)								
038	120.3 (7.34)			014	46.0 (2.81)								
042	136.0 (8.30)			017	58.3 (3.56)								
045	145.7 (8.89)			020	63.8 (3.89)								
050	158.0 (9.64)	210 (3000)	160 (2320)	022	70.3 (4.29)					210 (3000)	160 (2300)		
061	190.5 (11.63)	120 (1700)	80 (1160)	025	79.3 (4.84)								
				028	88.8 (5.42)								
				031	100.0 (6.10)								