

High Pressure Double Vane Pump

T6CC/T6DC Series

INTERMAGNUS

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

T6CC - 031 - 005 - 1R00 - C100

Model T6CC, T6DC

Shaft End Pump

Ring Size (USgallon)

T6CC - 003, 005, 006, 008, 010, 012, 014, 017, 020, 022, 025, 028, 031

T6DC - 014, 020, 024, 028, 031, 035, 038, 042, 045, 050, 061

Cover End Pump

Ring Size (USgallon)

003, 005, 006, 008, 010, 012, 014, 017, 020, 022, 025, 028, 031

Shaft

For T6CC

1 - Keyed Shaft

3 - SAE BB Splined Shaft

5 - SAE B Splined Shaft

For T6DC

1 - SAE C Keyed Shaft

2 - Keyed Shaft

3 - SAE C Splined Shaft

4 - Splined Shaft

Shaft Rotation

(Viewed from shaft end)

R - Turn right

L - Turn left

Cover End Outlet Port Size

For T6CC only

0 - 1" 1 - 3/4"

Inlet Port Size

For T6CC only

0 - 3" 1 - 2 1/2"

Seal

1 - Buna seal

5 - Viton seal

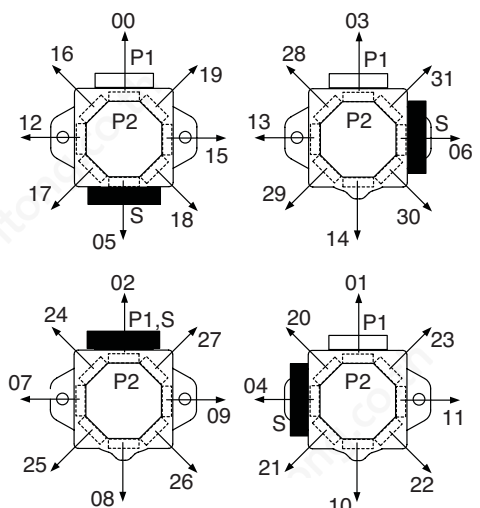
Design

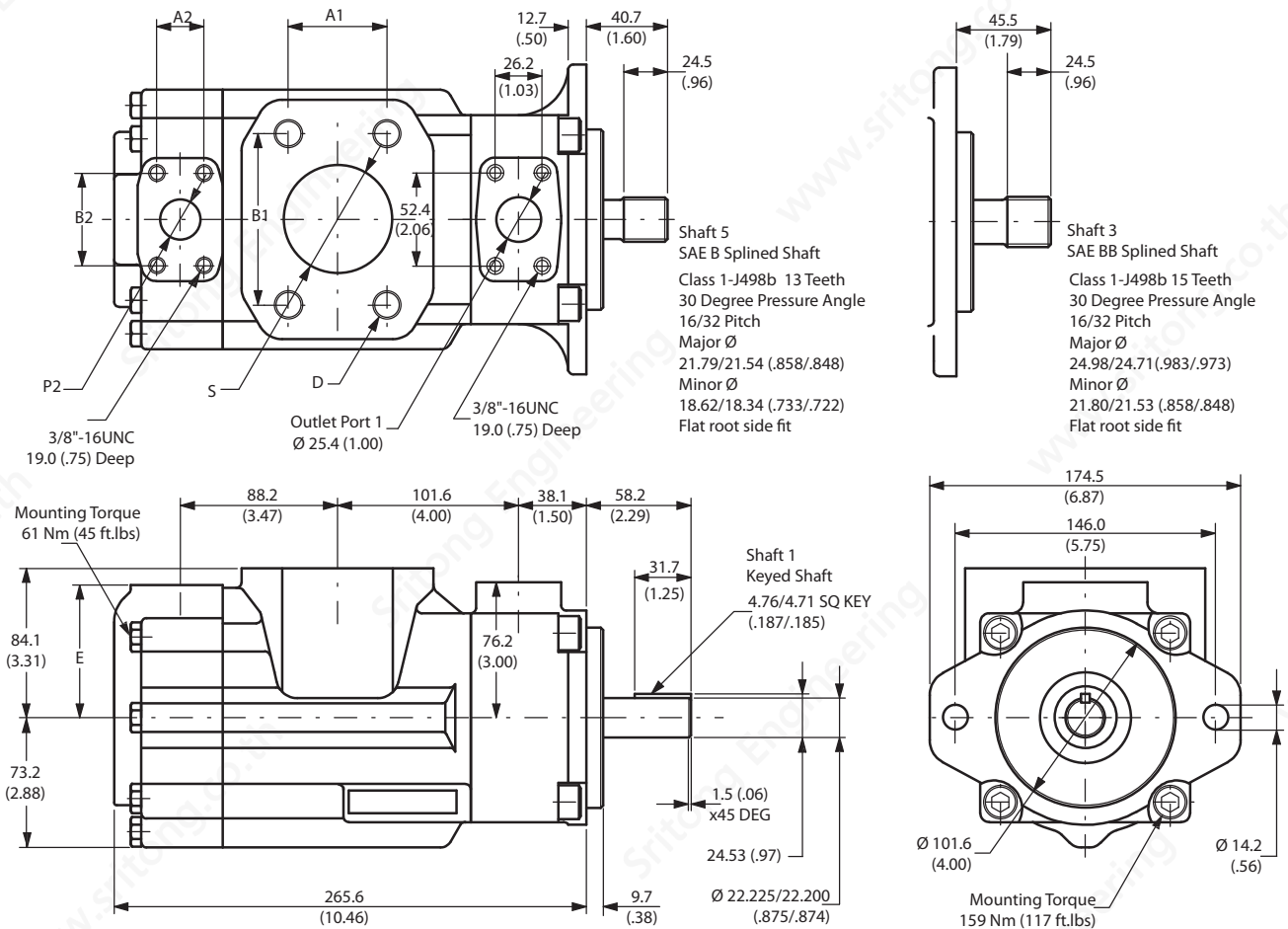
Subject to change

Port position

(Viewed from cover end)

2 digits code presents the position of cover end outlet (P2) at various positions of shaft end outlet (P1) and Inlet (S)

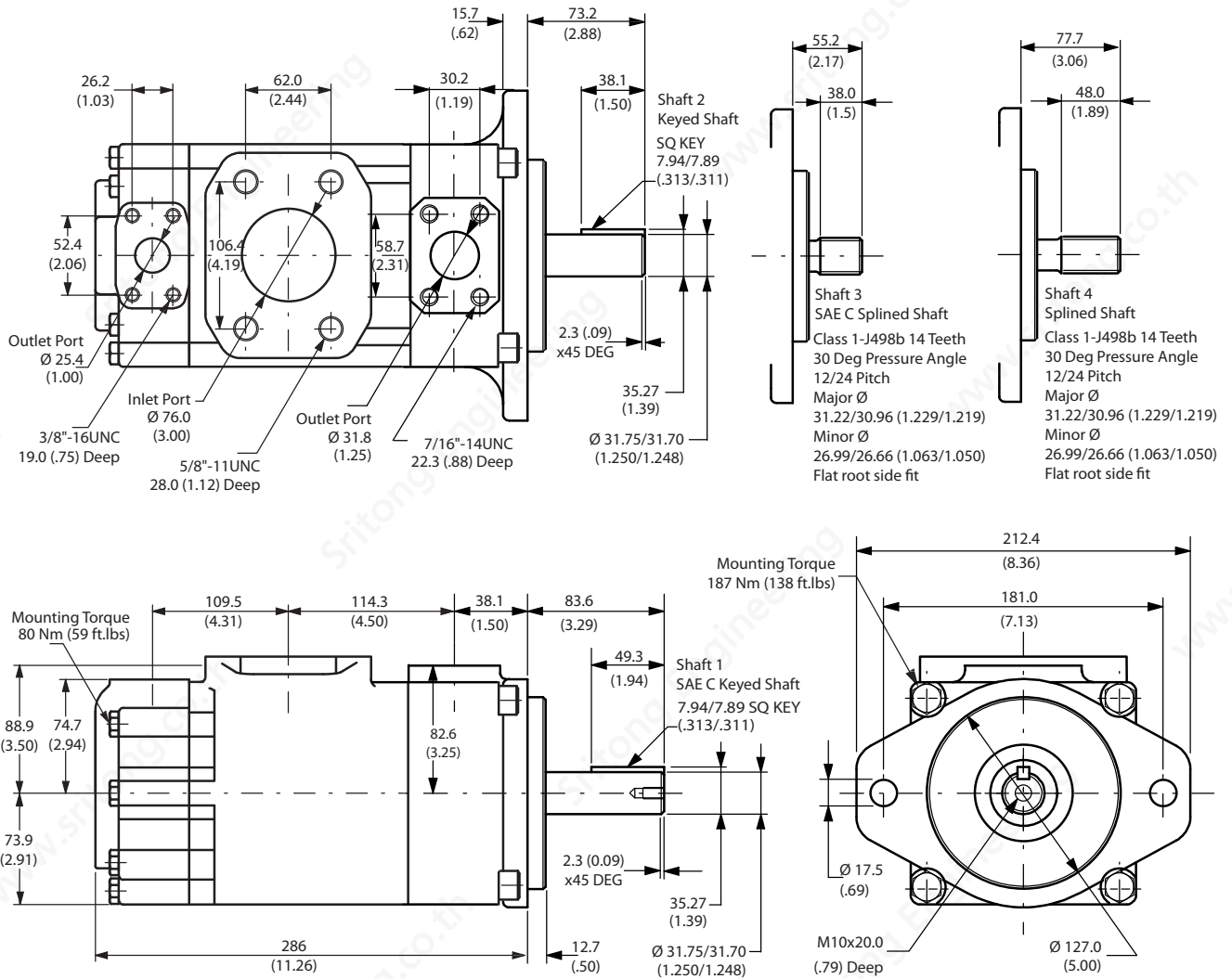




Inlet Port Size	S	A1	B1	D
3"	76.2 (3.00)	61.9 (2.44)	106.4 (4.19)	5/8"-11UNC 28.4 (1.12) Deep
2 1/2"	63.5 (2.50)	50.8 (2.00)	88.9 (3.50)	1/2"-13UNC 23.9 (.94) Deep

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 ³ /r (in ³ /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	Size	Displacement cm ³ /r (in ³ /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	rpm	kg (lb)
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 cm ³ /r (in ³ /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure bar (psi)	Size	Displacement cm ³ /r (in ³ /r)	Max Intermittent Pressure bar (psi)	Max Continuous Pressure 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)				
061	190.5 (11.63)	120 (1700)	80 (1160)	025	79.3 (4.84)				
				028	88.8 (5.42)				
				031	100.0 (6.10)				