

T7A Series High Performance Small Displacement Single Vane Pumps



The T Series fixed displacement vane pump is the highest performance pump of its kind. The balanced design and double lip vane technology are key features in providing a contamination resistant and reliable pump. High pressure

capabilities, extremely low noise, precise flow repeatability, and it's ability for fast pressure cycle changes make it the perfect fluid source for industrial applications.

Pump Performance Data

Series T7AS	Displacement in ³ /rev (cc/rev)	Max. Outlet Pressure PSI (BAR)	Rated Drive Speed RPM	Flow @ 1800 RPM GPM (LPM)
B06	0.37 (6)	4000 (280)	3600	2.73 (10.3)
B10	0.61 (10)	4000 (280)	3600	4.68 (17.7)
B11	0.67 (11)	4000 (280)	3600	5.22 (19.8)
B13	0.79 (13)	4000 (280)	3600	6.08 (23.0)
B17	1.04 (17)	4000 (280)	3600	8.18 (31.0)
B20	1.22 (20)	4000 (280)	3600	9.43 (35.7)
B22	1.34 (22)	4000 (280)	3600	10.68 (40.4)
B25	1.53 (25)	3500 (240)	3000	11.84 (44.8)

Series T7ASW	Displacement in ³ /rev (cc/rev)	Max. Outlet Pressure PSI (BAR)	Rated Drive Speed RPM	Flow @ 1800 RPM GPM (LPM)
B26	1.59 (26)	4350 (300)	3600	12.39 (46.9)
B28	1.71 (28)	4350 (300)	3600	13.32 (50.4)
B30	1.83 (30)	4350 (300)	3600	14.26 (54.0)
B32	1.95 (32)	4350 (300)	3600	15.12 (57.2)
B34	2.07 (34)	4000 (280)	3000	16.13 (61.1)
B36	2.20 (36)	4000 (280)	3000	17.14 (64.9)
B40	2.44 (40)	4000 (280)	3000	19.01 (72.0)

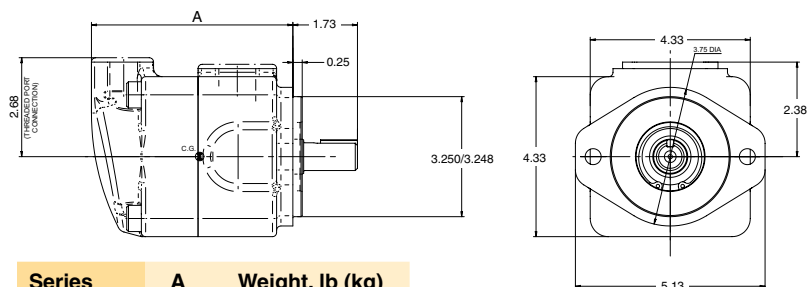
Markets

Material Handling	Lift Trucks
Recycling	Compactors

Applications

Benefits/Features

- Fully balanced pump
- 12-vane design for low pressure ripple
- Cam ring construction allows easy displacement changes
- Wide range of shafts
- SAE flanges or threaded ports
- Port orientations every 90°

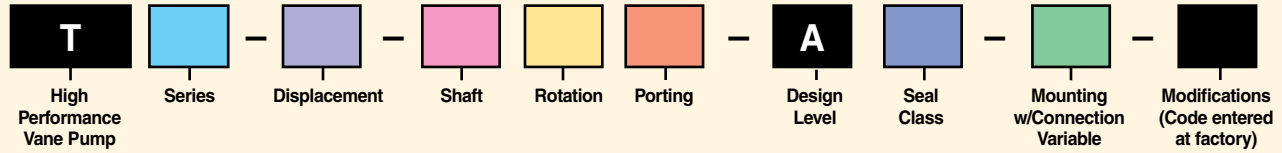


Series	A	Weight, lb (kg)
T7AS	5.45	20.9 (9.5)
T7ASW	6.33	23.9 (11.3)



Vane Pumps

T7A Model Ordering Code



Code	Series Standard Mounting
7AS	SAE A 2-Bolt Flange (J744)
7ASW	SAE A 2-Bolt Flange (J744) Higher Displacement

7AS Codes	Displacement in ³ /rev (cc/rev)	7ASW Codes	Displacement, in ³ /rev (cc/rev)
B06	0.35 (5.73)	B26	1.59 (26.06)
B10	0.60 (9.83)	B28	1.71 (28.02)
B11	0.67 (10.98)	B30	1.83 (29.99)
B13	0.78 (12.78)	B32	1.94 (31.79)
B17	1.05 (17.21)	B34	2.07 (33.92)
B20	1.21 (19.83)	B36	2.20 (36.05)
B22	1.37 (22.45)	B40	2.44 (39.98)
B25	1.52 (24.91)		

Code	Shaft Type	
	7AS	7ASW
1	Keyed (non SAE) 0.75 Dia.	Keyed (non SAE) 0.75 Dia.
3	Splined 16/32 (SAE B) 13 Teeth	Splined 16/32 (SAE B) 13 Teeth
4	Splined 16/32 (non SAE) 9 Teeth	Splined 16/32 (non SAE) 11 Teeth

Code	Rotation*
R	CW
L	CCW

*As viewed from shaft end.

Code	Porting Combinations*
00	
01	
02	
03	

* P = Pressure Port; S = Suction Port

Code	Seal Class
1	S1 (Buna N)
5	S5 (fluorocarbon)*

*Not available for 7ASW

Code	Mounting w/Connection Variables					
	7AS			7ASW		
	Type	Suction Port (S)	Pressure Port (P)	Type	Suction Port (S)	Pressure Port (P)
00	4-Bolt SAE Flange (J518) UNC Thread	1" SAE	3/4" SAE	4-Bolt SAE Flange (J518) UNC Thread	1 1/4" SAE	3/4" SAE
02	SAE Thread	1 5/16" (SAE16)	1 1/16" (SAE 12)	SAE Thread	1 5/8" (SAE20)	1 1/16" (SAE 12)
03	NPTF Thread	1 1/4" NPTF	3/4" NPTF	SAE & NPTF Threads	1 1/4" NPTF	1 1/16" (SAE 12)