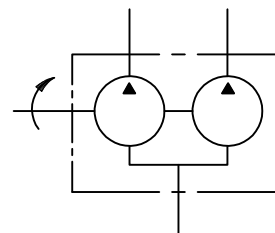


IFP T6CC HIGH PERFORMANCE DOUBLE VANE PUMPS



High Performance in an Economical Package

International T6CC fixed displacement vane pumps are engineered for higher operating pressures (4000 psi) and shaft speeds (2800 rpm) demanded by today's expanding Fluid Power market. The T6CC has an SAE "B" mount with a wide variety of displacements and keyed/splined shafts.



Features:

* High Volumetric Efficiency
* Double Lip Vane Design

* Lower Noise Levels
* Large Variety Displacements

IFP	-	T6CC	-	010	-	10	-	1	-	R	-	N
		Series										
				Front		Back		Shaft		Rotation		Design
				Ring	Size	Ring	Size	1-7/8 keyed		R - Right		
				03	17	03	17	3-Spline		L - Left		
				05	20	05	20	SAE "BB" 15th				
				06	22	06	22	5-Spline				
				08	25	08	25	SAE "B" 13th				
				10	28	10	28					
				12	31	12	31					
				14		14						

General Characteristics

Series	Max. Pressure PSI (MPa)	Speed r/min		Displ. in ³ /rev (cm ³ /rev)	Mounting Standard	Weight lb(kg)	Fluid Connection (SAE 4-bolt)		
		Max.	Min.				Pressure Ports (Front & Back)	Suction STD.	Inlet Opt.
T6CC	4000(28.0)	2800	600	.66 ~ 5.42 (10.8 ~ 88.7)	SAE - B	57.3 (28)	1" S. FLG.	3" S. FLG.	2 1/2" S. FLG.

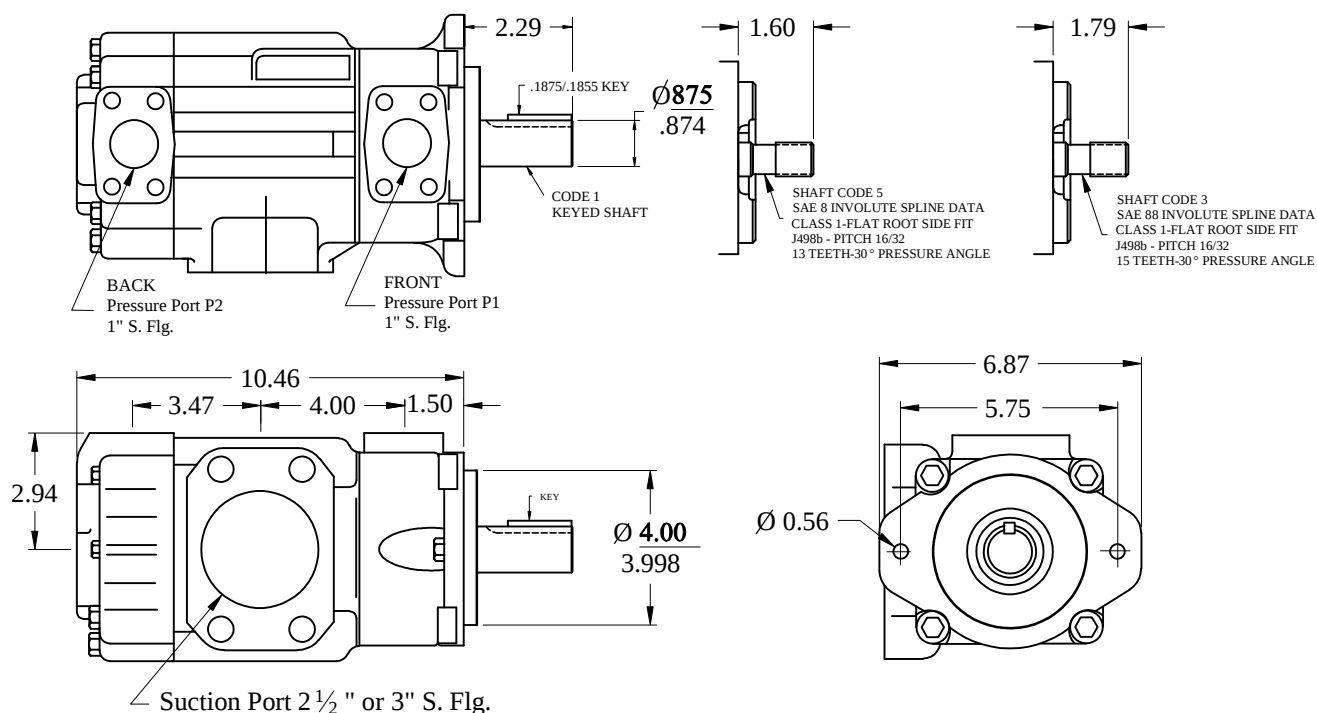
Operating Specifications

Fluid Type	T6CC Continuous		T6CC Intermittent	
	Speed r/min	Pressure psi(MPa)	Speed r/min	Pressure psi(MPa)
Antiwear Petroleum Base	2800	3500(24.5)	2800	4000(28.0)
Non Antiwear Petroleum Base	2800	2500(17.5)	2800	3000(21.0)
Water in Oil Emulsions	1800	2000(14.0)	1800	2500(17.5)
Water Glycols	1800	2000(14.0)	1800	2500(17.5)
Synthetic Fluids	1800	2500(17.5)	1800	3000(21.0)

IFP T6CC DOUBLE VANE PUMP INSTALLATION/DIMENSIONS



Dimension & Operating Characteristics



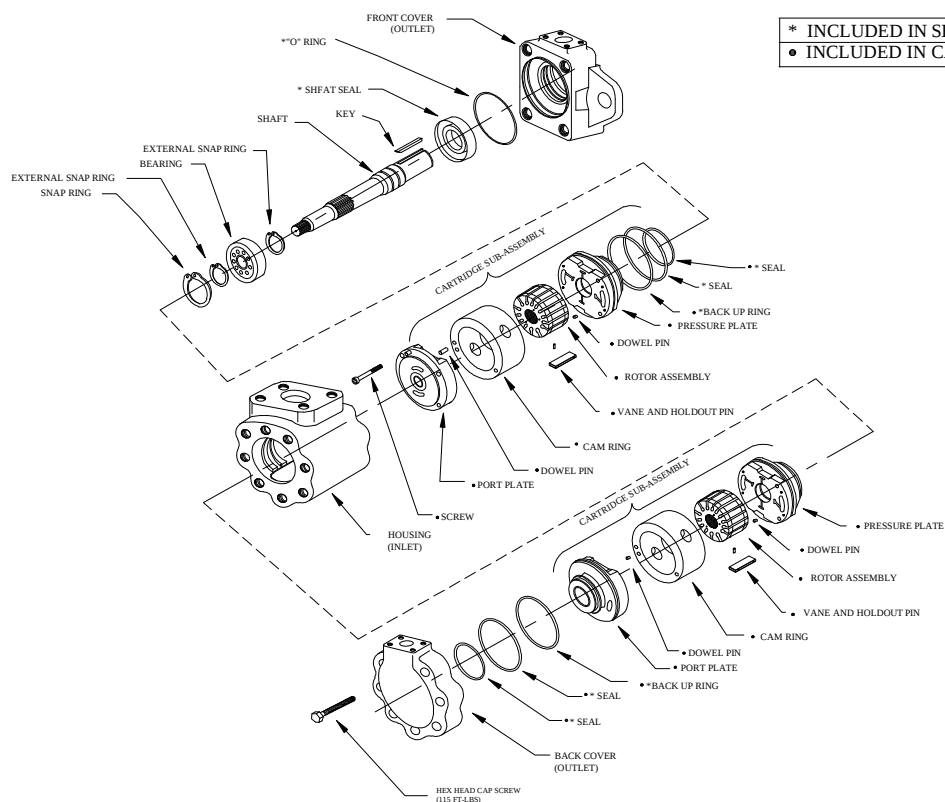
Performance Data - Typical flow at 120°F, 10 W Oil (115 SUS), 0 PSI Inlet

Series	Volumetric Displ. Vp	Speed n[R.P.M.]	Flow(GPM)			Inputpower(HP)		
			0 PSI	2000 PSI	3500 PSI	100 PSI	2000 PSI	3500 PSI
T6CC-003	.66 in ³ /rev	1200 1800	3.42 5.14	1.83 3.55	▲ 2.44	1.61 2.09	5.80 8.53	▲ 13.51
T6CC-005	1.05 in ³ /rev	1200 1800	5.45 8.18	3.86 6.59	2.76 5.48	1.76 2.26	8.21 12.07	13.51 19.63
T6CC-006	1.30 in ³ /rev	1200 1800	6.76 10.12	5.17 8.56	4.06 7.42	1.76 2.41	9.66 14.32	16.09 23.65
T6CC-008	1.61 in ³ /rev	1200 1800	8.36 12.55	6.78 10.97	5.68 9.86	1.93 2.57	11.58 17.22	19.48 28.49
T6CC-010	2.08 in ³ /rev	1200 1800	10.81 16.20	9.23 14.65	8.11 13.50	2.09 2.74	14.32 21.56	24.30 35.88
T6CC-012	2.26 in ³ /rev	1200 1800	11.76 17.64	10.47 16.35	9.57 2.74	1.92 2.84	15.53 23.05	26.36 38.92
T6CC-014	2.81 in ³ /rev	1200 1800	14.58 21.88	12.99 20.29	11.89 19.18	2.26 3.06	18.83 28.32	32.03 47.47
T6CC-017	3.56 in ³ /rev	1200 1800	18.48 27.71	16.99 26.16	15.79 25.01	2.57 3.38	23.23 35.24	39.91 59.38
T6CC-022	4.29 in ³ /rev	1200 1800	22.28 37.42	20.70 31.86	19.60 30.72	2.74 3.70	27.84 42.00	47.63 70.97
T6CC-025*	4.84 in ³ /rev	1200 1800	25.14 37.69	23.56 36.14	22.44 35.00	2.89 4.02	31.06 46.99	53.42 79.66
T6CC-028*	5.42 in ³ /rev	1200 1800	28.15 42.23	26.86 40.94	26.24 40.32**	2.87 4.27	34.66 51.74	51.37 76.73**
T6CC-031*	6.10 in ³ /rev	1200 1800	31.70 47.56	30.41 46.27	29.79 45.65**	3.08 4.58	38.80 57.95	57.58 86.06**

*025-028-031 = 2500 R.P.M. max.
**028-031 = 3000 PSI max.Int.

▲ Not used because internal leakage
is greater than 50 % theoretical flow

IFP T6CC DOUBLE PUMP SERVICE PARTS INFORMATION



CARTRIDGE CHART

PUMP SIZE	FRONT CART. KIT	BACK CART. KIT	CAM RING	VANE KIT	ROTOR	PRESSURE PLATE	PORT PLATE	SHAFTS	
T6CC-003	S24-10732N	S24-10749N	034-59050N	034-59099N	S24-10350N	034-59772N	034-59776N	#1	034-59110N
T6CC-005	S24-10734N	S24-10751N	034-59051N		(FRONT CART. KIT)	(FRONT CART. KIT)	(FRONT CART. KIT)	#2	034-66576N
T6CC-006	S24-10736N	S24-10753N	034-59052N					#3	034-59108N
T6CC-008	S24-10738N	S24-10755N	034-59053N					#5	034-59109N
T6CC-010	S24-10740N	S24-10757N	034-59054N						
T6CC-012	S24-26510N	S24-26482N	034-66595N		S24-10116N	034-59772N	034-59776N		
T6CC-014	S24-10742N	S24-10759N	034-59206N		(BACK CART. KIT)	(BACK CART. KIT)	(BACK CART. KIT)		
T6CC-017	S24-10744N	S24-10761N	034-59207N						
T6CC-022	S24-10746N	S24-10763N	034-59208N						
T6CC-025	S24-10748N	S24-10765N	034-59209N						
T6CC-028	S24-25510N	S24-25547N	034-59245N						

- All cartridge assemblies are factory tested prior to shipping -

STANDARD SEAL KIT	VITON SEAL KIT	STANDARD SHAFT SEAL	VITON SHAFT SEAL	BEARING	FRONT COVER	BACK COVER	HOUSING COVER	
							3"	2 1/2"
S24-10352-0-N	S24-10352-5-N	620-82012N	620-82068N	230-82054N	034-59107	034-59425	034-59125	034-59105

Filtration

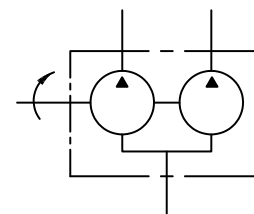
For satisfactory service life, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or better.

IFP T6DC HIGH PERFORMANCE DOUBLE VANE PUMPS



High Performance in an Economical Package

International T6DC fixed displacement vane pumps are engineered for higher operating pressures (3500 psi) and shaft speeds (2500 rpm) demanded by today's expanding Fluid Power market. The T6DC has an SAE "C" mount with a wide variety of displacements and keyed/splined shafts.



Features:

* *High Volumetric Efficiency*
* *Double Lip Vane Design*

* *Lower Noise Levels*
* *Large Variety Displacements*

IFP	-	T6DC	-	050	-	025	-	1	-	R	-	N
		Series						Shaft		Rotation		Design
				Front		Back						
				Ring	Size	Ring	Size					
				14	35	03	12					
				20	38	05	14					
				24	42	06	17					
				28	45	08	22					
				31	50	10	25					
						28	31					
								1 - KEYED SAE C				
								2 - KEYED NOT SAE				
								3- SPLINED SAE C				
								4 - SPLINED NO SAE				

General Characteristics

Series	Max. Pressure PSI (MPa)	Speed r/min		Displ. in ³ /rev (cm ³ /rev)	Mounting Standard	Weight lb(kg)	Fluid Connection (SAE 4-bolt)	
		Max.	Min.				Pressure Ports (Front & Back)	Suction Inlet
T6DC	3500(24.5)	2500	600	.66 ~ 9.64 (10.8 ~ 157.81)	SAE - C	79.2 (36)	(P1)=1 1/4", P2=1" S. FLG.	3" S. FLG.

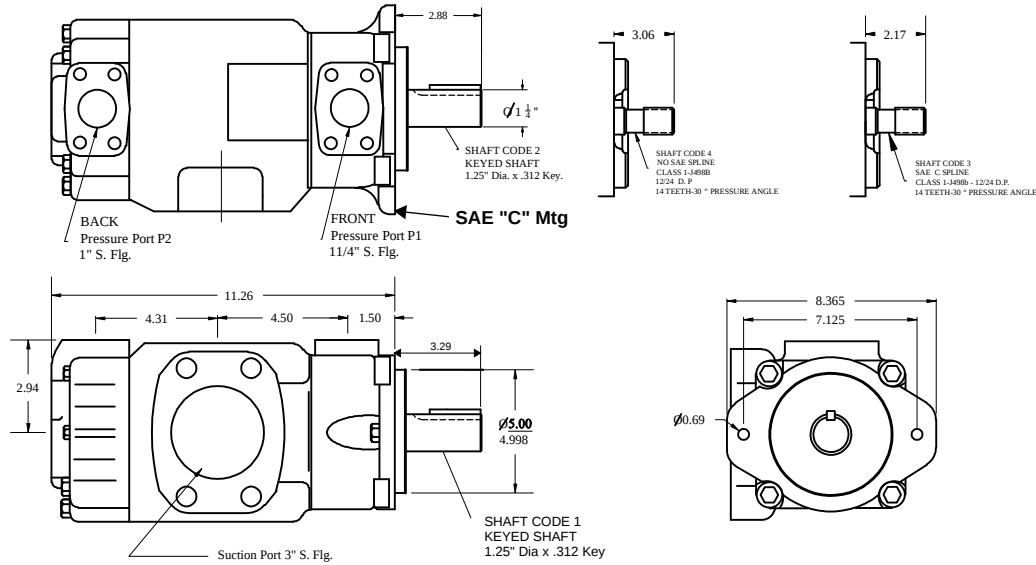
Operating Specifications

Fluid Type	T6DC Continuous		T6DC Intermittent	
	Speed r/min	Pressure psi(MPa)	Speed r/min	Pressure psi(MPa)
Antiwear Petroleum Base	2500	3500(24.5)	2500	4000(28.0)
Non Antiwear Petroleum Base	2500	2500(17.5)	2500	3000(21.0)
Water in Oil Emulsions	1800	2000(14.0)	1800	2500(17.5)
Water Glycols	1800	2000(14.0)	1800	2500(17.5)
Synthetic Fluids	1800	2500(17.5)	1800	3000(21.0)

IFP T6DC DOUBLE VANE PUMP INSTALLATION/DIMENSIONS



Dimension & Operating Characteristics



Performance Data - Typical flow at 120°F, 10 W Oil (115 SUS), 0 PSI Inlet

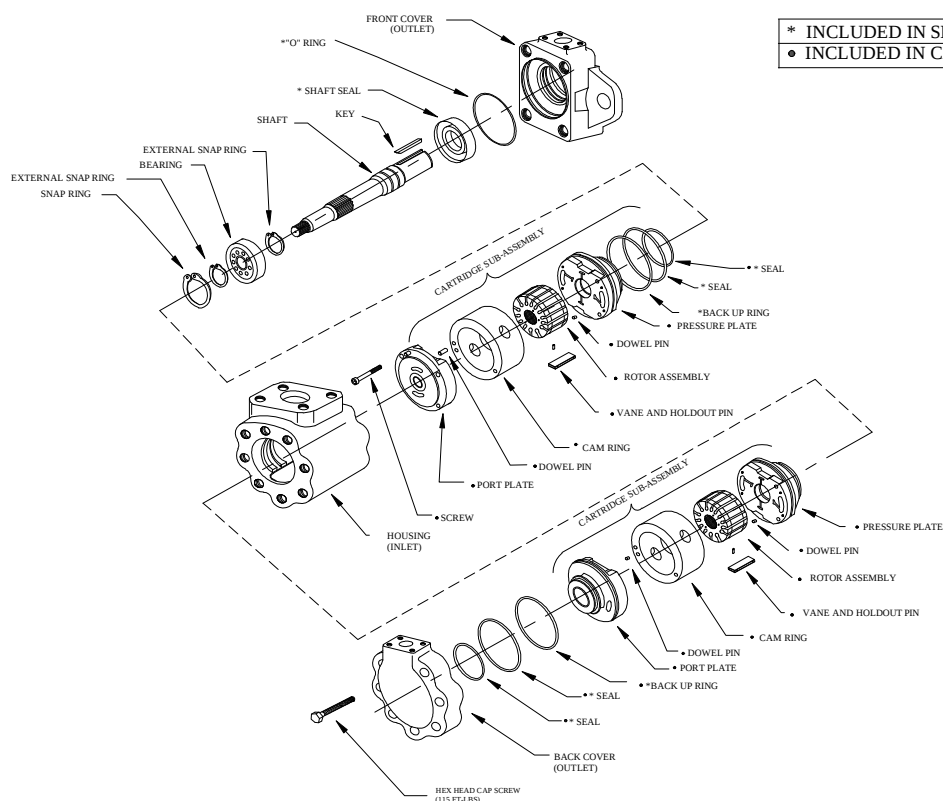
PRESSURE PORT	Series	Volumetric Displ. Vp	Speed n[R.P.M.]	Flow(GPM)			Inputpower(HP)		
				0 PSI	2000 PSI	3500 PSI	100 PSI	2000 PSI	3500 PSI
P1	014	2.90 in ³ /rev	1800	22.64	19.69	17.72	4.02	28.97	49.24
	020	4.00 in ³ /rev	1800	31.38	28.44	26.47	4.50	39.26	67.10
	024	4.80 in ³ /rev	1800	37.82	34.87	32.88	4.82	47.63	80.14
	028	5.50 in ³ /rev	1800	42.64	39.70	37.73	5.15	52.62	89.95
	031	6.00 in ³ /rev	1800	46.73	43.79	41.82	5.30	57.44	98.16
	035	6.80 in ³ /rev	1800	52.79	49.84	47.87	5.63	64.52	110.56
	038	7.30 in ³ /rev	1800	57.19	54.24	52.28	5.95	69.68	119.40
	042***	8.30 in ³ /rev	1800	64.68	61.73	59.76	6.43	78.37	134.69
	045***	8.90 in ³ /rev	1800	69.28	66.32	64.36	6.60	83.84	144.02
	050***	9.64 in ³ /rev	1800	75.14	72.19	71.02	7.08	91.72	136.78**
P2	003	.66 in ³ /rev	1800	5.14	3.55	2.44	2.09	8.53	13.51
	005	1.05 in ³ /rev	1800	8.18	6.59	5.48	2.26	12.07	19.63
	006	1.30 in ³ /rev	1800	10.12	8.56	7.42	2.41	14.32	23.65
	008	1.61 in ³ /rev	1800	12.55	10.97	9.86	2.57	17.22	28.49
	010	2.08 in ³ /rev	1800	16.20	14.65	13.50	2.74	21.56	35.88
	012	2.26 in ³ /rev	1800	17.64	16.35	2.74	2.84	23.05	38.92
	014	2.81 in ³ /rev	1800	21.88	20.29	19.18	3.06	28.32	47.47
	017	3.56 in ³ /rev	1800	27.71	26.16	25.01	3.38	35.24	59.38
	022	4.29 in ³ /rev	1800	37.42	31.86	30.72	3.70	42.00	70.97
	025*	4.84 in ³ /rev	1800	37.69	36.14	35.00	4.02	46.99	79.66
	028*	5.42 in ³ /rev	1800	42.23	40.94	39.53**	4.50	52.62	73.76**
	031*	6.10 in ³ /rev	1800	47.56	45.97	44.86**	4.50	58.74	87.54**

*025-028-031 = 2500 R.P.M. max.

***042-045-050 = 2200 R.P.M. max.

**028-031-050 = 3000 PSI max.Int.

IFP T6DC DOUBLE PUMP SERVICE PARTS INFORMATION



CARTRIDGE CHART

PUMP SIZE	FRONT CART. KIT	CAM(T6D) RING	PUMP SIZE	BACK CART. KIT	CAM(T6C) RING	VANE KIT	ROTOR	PRESSURE PLATE	PORT PLATE	SHAFT	
T6D-014	S24-40791N	034-66708N	T6C-003	S24-10767N	034-59050N	034-53588N (FRONT VANE KIT)	S24-10121N (FRONT CART. KIT)	034-59808N (FRONT CART. KIT)	034-59810N (FRONT CART. KIT)	#1	034-71363N
T6D-020	S24-26490N	034-66596N	T6C-005	S24-10769N	034-59051N		S24-10116N (BACK CART. KIT)	034-59772N (BACK CART. KIT)	034-59774N (BACK CART. KIT)	#2	034-71364N
T6D-024	S24-25891N	034-59294N	T6C-006	S24-10171N	034-59052N					#3	034-71361N
T6D-028	S24-10849N	034-59113N	T6C-008	S24-10773N	034-59053N					#4	034-66578N
T6D-031	S24-10851N	034-59135N	T6C-010	S24-10775N	034-59054N	034-59099N (BACK VANE KIT)	S24-10116N (BACK CART. KIT)	034-59772N (BACK CART. KIT)	034-59774N (BACK CART. KIT)		
T6D-035	S24-10853N	034-59137N	T6C-012	S24-26480N	034-66595N						
T6D-038	S24-10855N	034-59139N	T6C-014	S24-10777N	034-59206N						
T6D-042	S24-10857N	034-59132N	T6C-017	S24-10779N	034-59207N						
T6D-045	S24-10859N	034-59131N	T6C-022	S24-10781N	034-59208N	034-59209N					
T6D-050	S24-40236N	034-66737N	T6C-025	S24-10783N	034-59209N						
			T60-028	S24-97722N	034-59245N						

- All cartridge assemblies are factory tested prior to shipping -

STANDARD SEAL KIT	VITON SEAL KIT	STANDARD SHAFT SEAL	VITON SHAFT SEAL	BEARING	FRONT COVER	BACK COVER	HOUSING COVER
S24-10170-0-N	S24-10170-0-N	620-82062N	620-82062N	230-00207N	034-48135	034-48579	034-48133

Filtration

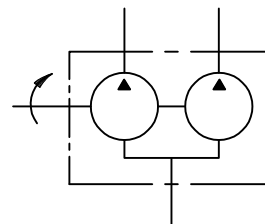
For satisfactory service life, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or better.

IFP T6EC HIGH PERFORMANCE DOUBLE VANE PUMPS



High Performance in an Economical Package

International T6EC fixed displacement vane pumps are engineered for higher operating pressures (3500 psi) and shaft speeds (2200 rpm) demanded by today's expanding Fluid Power market. The T6EC has an SAE "C" mount with a wide variety of displacements and keyed/splined shafts.



Features:

- * High Volumetric Efficiency
- * Double Lip Vane Design

- * Lower Noise Levels
- * Large Variety Displacements

IFP	-	T6EC	-	066	-	022	-	1	-	R	-	N
		Series		Front Ring Size		Back Ring Size		Shaft		Rotation		Design
				045 050		03 012		1 - KEYED SAE CC		R - Right		
				062 066		05 014		2 - KEYED NO SAE		L - Left		
				072		06 017		3- SPLINED SAE C				
						08 022		4 - SPLINED SAE CC				
						010 025						
						028 031						

General Characteristics

Series	Max. Pressure PSI (MPa)	Speed r/min		Displ. in ³ /rev (cm ³ /rev)	Mounting Standard	Weight lb(kg)	Fluid Connection (SAE 4-bolt)	
		Max.	Min.				Pressure Ports (Front & Back)	Suction Inlet
T6EC	3500(24.5)	2200	600	.66 ~ 13.86 (10.8 ~ 226.80)	SAE - C	121 (55)	(P1)=1 1/2", P2=1" S. FLG.	3 1/2" S. FLG.

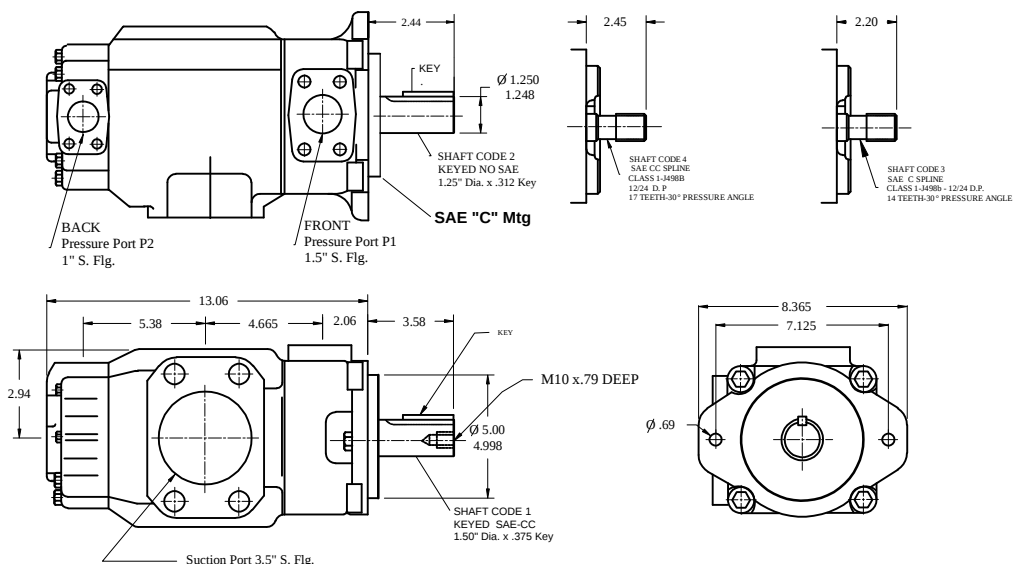
Operating Specifications

Fluid Type	T6EC Continuous		T6EC Intermittent	
	Speed r/min	Pressure psi(MPa)	Speed r/min	Pressure psi(MPa)
Antiwear Petroleum Base	2200	3500(24.5)	2200	3500(24.5)
Non Antiwear Petroleum Base	2200	2500(17.5)	2200	3000(21.0)
Water in Oil Emulsions	1800	2000(14.0)	1800	2500(17.5)
Water Glycols	1800	2000(14.0)	1800	2500(17.5)
Synthetic Fluids	1800	2500(17.5)	1800	3000(21.0)

IFP T6EC DOUBLE VANE PUMP INSTALLATION/DIMENSIONS



Dimension & Operating Characteristics



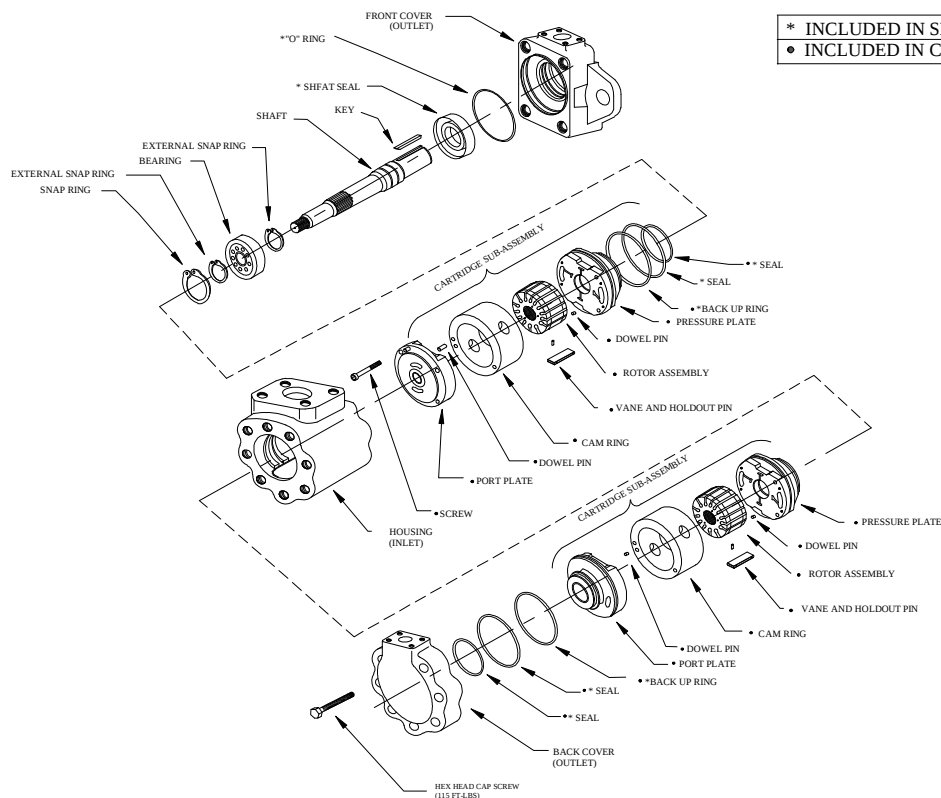
Performance Data - Typical flow at 120°F, 10 W Oil (115 SUS), 0 PSI Inlet

PRESSURE PORT	Series	Volumetric Displ. Vp	Speed n[R.P.M.]	Flow(GPM)			Inputpower(HP)		
				0 PSI	2000 PSI	3500 PSI	100 PSI	2000 PSI	3500 PSI
P1	045	8.70 in ³ /rev	1800	67.72	64.55	62.99	8.69	84.00	142.74
	050	9.67 in ³ /rev	1800	75.36	72.19	69.94	9.17	94.30	158.19
	052	10.0 in ³ /rev	1800	78.37	75.20	72.95	9.34	96.40	164.30
	062	12.2 in ³ /rev	1800	93.53	90.36	88.10	10.14	114.25	195.04
	066	13.0 in ³ /rev	1800	101.42	98.25	96.00	10.62	123.60	211.45
	072	13.86 in ³ /rev	1800	107.98	104.81	102.56	11.10	132.92	224.49
P2	003	.66 in ³ /rev	1800	5.14	3.55	2.44	2.09	8.53	13.51
	005	1.05 in ³ /rev	1800	8.18	6.59	5.48	2.26	12.07	19.63
	006	1.30 in ³ /rev	1800	10.12	8.56	7.42	2.41	14.32	23.65
	008	1.61 in ³ /rev	1800	12.55	10.97	9.86	2.57	17.22	28.49
	010	2.08 in ³ /rev	1800	16.20	14.65	13.50	2.74	21.56	35.88
	012	2.26 in ³ /rev	1800	17.64	16.35	2.74	2.84	23.05	38.92
	014	2.81 in ³ /rev	1800	21.88	20.29	19.18	3.06	28.32	47.47
	017	3.56 in ³ /rev	1800	27.71	26.16	25.01	3.38	35.24	59.38
	022	4.29 in ³ /rev	1800	37.42	31.86	30.72	3.70	42.00	70.97
	025*	4.84 in ³ /rev	1800	37.69	36.14	35.00	4.02	46.99	79.66
	028*	5.42 in ³ /rev	1800	42.23	40.94	40.32	4.27	51.74	76.73
	031*	6.10 in ³ /rev	1800	47.56	45.97	44.86**	4.50	58.74	87.54**

*025-028-031 = 2500 R.P.M. max.

**028-031 = 3000 PSI max.Int.

IFP T6EC DOUBLE PUMP SERVICE PARTS INFORMATION



- * INCLUDED IN SEAL KIT
- INCLUDED IN CARTRIDGE KIT

CARTRIDGE CHART

PUMP SIZE	FRONT CART. KIT	CAM(T6E) RING	PUMP SIZE	BACK CART. KIT	CAM(T6C) RING	VANE KIT	ROTOR	PRESSURE PLATE	PORT PLATE	SHAFTS	
T6E*-45	S24-10205N	034-59164N	T6*C-03	S24-10749N	034-59050N	034-59162N (FRONT VANE KIT)	S24-10185N (FRONT CART. KIT)	034-59159N (FRONT CART. KIT)	034-59082N (FRONT CART. KIT)	#1	034-71408N
T6E*-50		034-66744N	T6*C-05	S24-10751N	034-59051N					#2	034-71410N
T6E*-52		034-59165N	T6*C-06	S24-10753N	034-59052N					#3	034-716151N
T6E*-62		034-59166N	T6*C-09	S24-10755N	034-59053N					#4	034-71409N
T6E*-66	S24-10211N	034-59167N	T6*C-10	S24-10757N	034-59054N	034-59099N (BACK VANE KIT)	S24-10116N (BACK CART. KIT)	034-59772N (BACK CART. KIT)	034-59776N (BACK CART. KIT)		
T6E*-72		034-66736N	T6*C-12	S24-26482N	034-66595N						
			T6*C-14	S24-10759N	034-59206N						
			T6*C-17	S24-10761N	034-59207N						
			T6*C-22	S24-10763N	034-59208N						
			T6*C-25	S24-10765N	034-59209N						
			T6*C-28	S24-25547N	034-59245N						

- All cartridge assemblies are factory tested prior to shipping -

STANDARD SEAL KIT	VITON SEAL KIT	STANDARD SHAFT SEAL	VITON SHAFT SEAL	BEARING	FRONT COVER	BACK COVER	HOUSING COVER
S24-10242-0-N	S24-10242-5-N	620-82064N	620-82064-5N	230-03208N	034-70265	034-48579	034-70263

Filtration

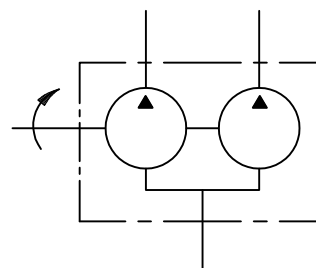
For satisfactory service life, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or better.

IFP T6ED HIGH PERFORMANCE DOUBLE VANE PUMPS



High Performance in an Economical Package

International T6ED fixed displacement vane pumps are engineered for higher operating pressures (3500 psi) and shaft speeds (2200 rpm) demanded by today's expanding Fluid Power market. The T6ED has an SAE "C" mount with a wide variety of displacements and keyed/splined shafts.



Features:

- * High Volumetric Efficiency
- * Double Lip Vane Design

- * Lower Noise Levels
- * Large Variety Displacements

IFP	-	T6ED	-	066	-	035	-	1	-	R	-	N
		Series										
				Front		Back		Shaft		Rotation		Design
				Ring	Size	Ring	Size	1 - KEYED SAE CC		R - Right		
				045	050	014	020	2 - KEYED NO SAE		L - Left		
				062	066	024	031	3- SPLINED SAE C				
				072		035	038	4 - SPLINED SAE CC				
						042	045					

General Characteristics

Series	Max. Pressure PSI (MPa)	Speed r/min		Displ. in ³ /rev (cm ³ /rev)	Mounting Standard	Weight lb(kg)	Fluid Connection (SAE 4-bolt)	
		Max.	Min.				Pressure Ports (Front & Back)	Suction Inlet
T6ED	3500(24.5)	2200	600	2.90 ~ 13.86 (47.3 ~ 226.80)	SAE - C	184 (84)	(P1)=11/2", P2=11/4" S. FLG.	4" S. FLG.

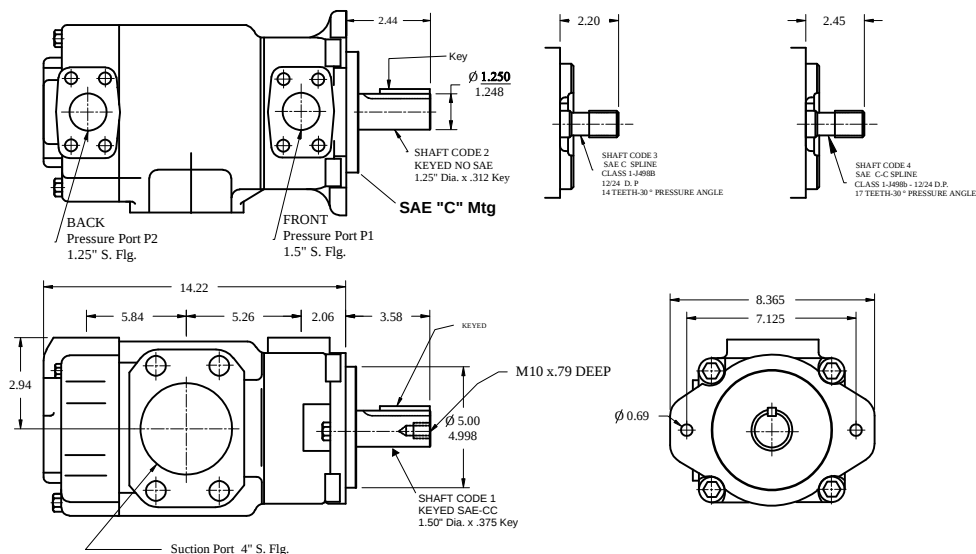
Operating Specifications

Fluid Type	T6ED Continuous		T6ED Intermittent	
	Speed r/min	Pressure psi(MPa)	Speed r/min	Pressure psi(MPa)
Antiwear Petroleum Base	2200	3000(21.0)	2200	3500(24.5)
Non Antiwear Petroleum Base	2200	2500(17.5)	2200	3000(21.0)
Water in Oil Emulsions	1800	2000(14.0)	1800	2500(17.5)
Water Glycols	1800	2000(14.0)	1800	2500(17.5)
Synthetic Fluids	1800	2500(17.5)	1800	3000(21.0)

IFP T6ED DOUBLE VANE PUMP INSTALLATION/DIMENSIONS



Dimension & Operating Characteristics



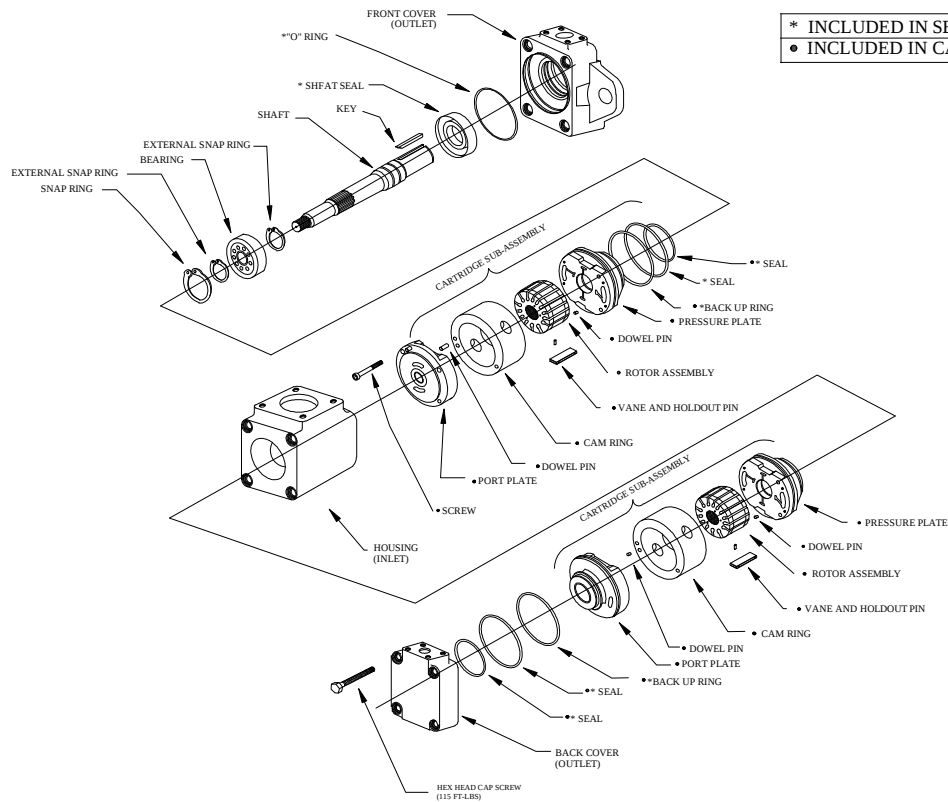
Performance Data - Typical flow at 120°F, 10 W Oil (115 SUS), 0 PSI Inlet

PRESSURE PORT	Series	Volumetric Displ. Vp	Speed n[R.P.M.]	Flow(GPM)			Inputpower(HP)		
				0 PSI	2000 PSI	3500 PSI	100 PSI	2000 PSI	3500 PSI
P1	050	9.67 in ³ /rev	1800	75.36	72.19	69.94	9.17	94.30	158.19
	052	10.0 in ³ /rev	1800	78.37	75.20	72.95	9.34	96.40	164.30
	062	12.2 in ³ /rev	1800	93.53	90.36	88.10	10.14	114.25	195.04
	066	13.0 in ³ /rev	1800	101.42	98.25	96.00	10.62	123.60	211.45
	072	13.86 in ³ /rev	1800	107.98	104.81	102.56	11.10	132.92	224.49
P2	014	2.90 in ³ /rev	1800	22.64	19.69	17.72	4.02	28.97	49.24
	020	4.00 in ³ /rev	1800	31.38	28.44	26.47	4.50	39.26	67.10
	024	4.80 in ³ /rev	1800	37.82	34.87	32.88	4.82	47.63	80.14
	028	5.50 in ³ /rev	1800	42.64	39.70	37.73	5.15	52.62	89.95
	031	6.00 in ³ /rev	1800	46.73	43.79	41.82	5.30	57.44	98.16
	035	6.80 in ³ /rev	1800	52.79	49.84	47.87	5.63	64.52	110.56
	038	7.30 in ³ /rev	1800	57.19	54.24	52.28	5.95	69.68	119.40
	042*	8.30 in ³ /rev	1800	64.68	61.73	59.76	6.43	78.37	134.69
	045*	8.90 in ³ /rev	1800	69.28	66.32	64.36	6.60	83.84	144.02
	050*	9.64 in ³ /rev	1800	75.14	72.19	71.02	7.08	91.72	136.78**

*042-045-050 = 2200 R.P.M. max.

**050 = 3000 PSI max.Int.

IFP T6ED DOUBLE PUMP SERVICE PARTS INFORMATION



CARTRIDGE CHART

PUMP SIZE	FRONT CART. KIT	CAM(T6E) RING	PUMP SIZE	BACK CART. KIT	CAM(T6D) RING	VANE KIT	ROTOR	PRESSURE PLATE	PORT PLATE	SHAFTS	
T6E*-45	S24-10205N	034-59164N	T6*D-14	On Request	034-66708N	034-59162N	S24-10185N	034-59159N	034-59082N	#1	034-71416N
T6E*-50	On Request	034-66744N	T6*D-20	S24-26492N	034-66596N	(FRONT VANE KIT)	(FRONT CART. KIT)	(FRONT CART. KIT)	(FRONT CART. KIT)	#2	034-71418N
T6E*-52	S24-10207N	034-59165N	T6*D-24	S24-25893N	034-50294N					#3	034-714151N
T6E*-62	S24-10209N	034-59166N	T6*D-28	S24-10861N	034-59113N	034-53588N				#4	034-71417N
T6E*-66	S24-10211N	034-59167N	T6*D-31	S24-10863N	034-59135N	(BACK VANE KIT)					
T6E*-72	On Request	034-66736N	T6*D-35	S24-10865N	034-59137N		S24-10121N	034-59808N	034-59810N		
			T6*D-38	S24-10867N	034-59139N		(BACK CART. KIT)	(BACK CART. KIT)	(BACK CART. KIT)		
			T6*D-42	S24-10869N	034-59132N						
			T6*D-45	S24-10871N	034-59131N						
			T6*D-50	On Request	034-66737N		034-66737N				

- All cartridge assemblies are factory tested prior to shipping -

STANDARD SEAL KIT	VITON SEAL KIT	STANDARD SHAFT SEAL	VITON SHAFT SEAL	BEARING	FRONT COVER	BACK COVER	HOUSING COVER
S24-10219-0-N	S24-10219-5-N	620-82064N	620-82064-5N	230-03208N	034-70265	034-70275	034-70271

Filtration

For satisfactory service life, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or better.

IFP T6 VANE PUMP CARTRIDGE KIT ASSEMBLY



Cartridge Assembly/Rotation Change Procedure

Cartridge assembly rotation may be changed by inverting cam ring and re-positioning dowel pins in holes of the pressure plate and port plate corresponding to the direction of rotation as shown in Fig. A1. Pour clean hydraulic fluid over vane/rotor assembly and tighten two screws to 40 in.lbs. To check proper assembly, both suction ports in the pressure plate should be inline along with fill hole in the cam ring, see Fig.A2(fill hole on cam ring will be slightly offset).

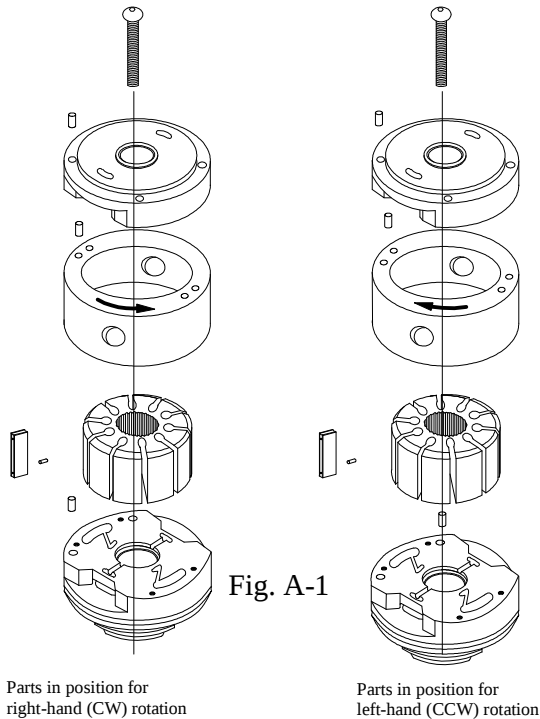


Fig. A-1

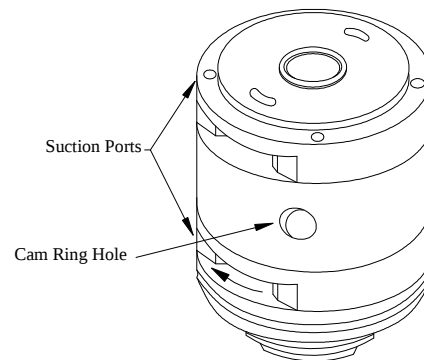


Fig. A-2

Shaft and Bearing Assembly

- When installing bearing use care not to damage or distort snap ring by applying too much force, Fig. B. Snap ring must be removed by passing over **bearing surface** of the shaft and not the **shaft seal surface**, as this will damage shaft seal surface and cause shaft seal leakage.
- When installing shaft make certain not to damage the seal during installation.

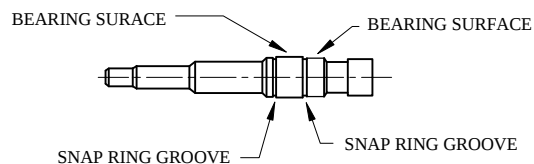


Fig. B

Initial Start Up New or Reconditioned Units

- To prevent possible damage to internal parts, the pump should never be started dry or without internal lubrication.
- Manually fill pump housing with system fluid. Prime mover should be jogged until pump has primed.
- Initial start up should be at a low pressure and increased gradually at 500 psi increments until system pressure has been reached.