

TH6C Vane Pump

Fixed Displacement Vane Pump Single execution

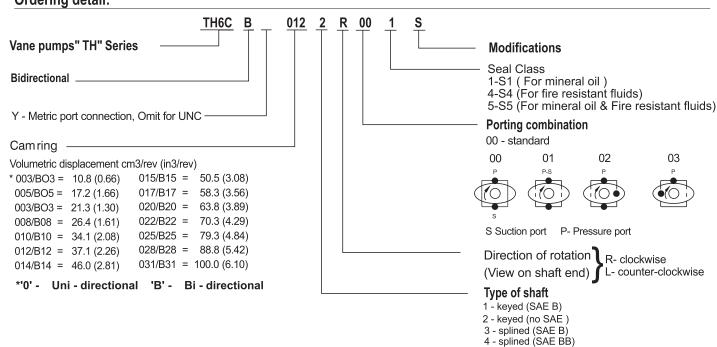


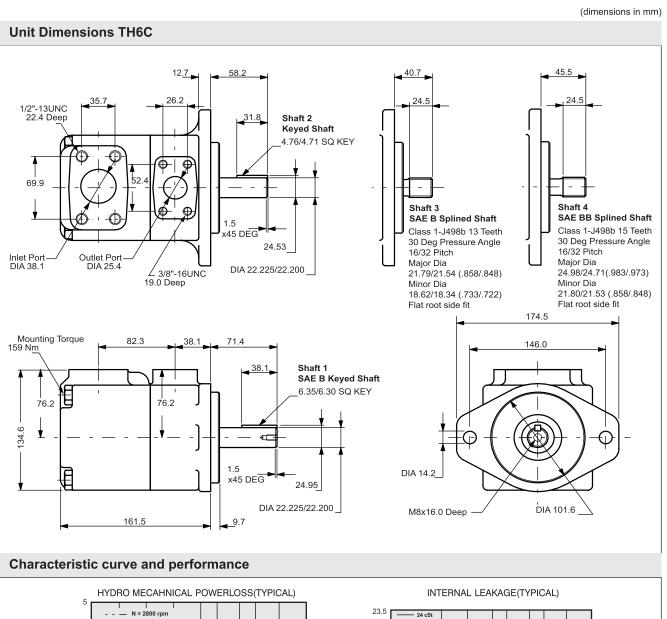
Features

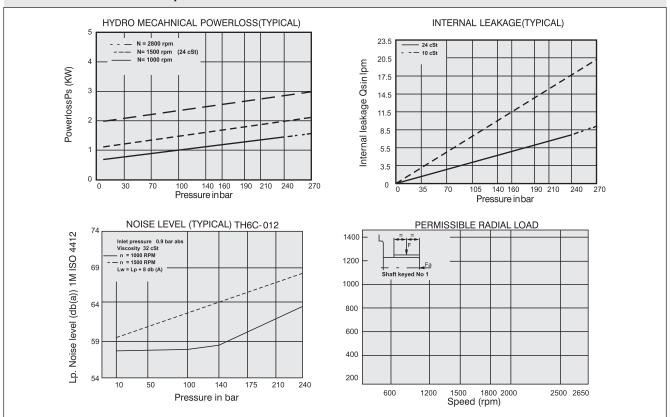
- TH6C and TH6D Series are fixed displacement and balanced type single vane pumps. The pump is designed for higher operating pressure and greater flow at the same housing size.
- With a balanced pin-vane design, outlet pressure is continuously applied only the pin. The pin provides the steady light force 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 effciency.
- 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 detail:







Operating Characteristics

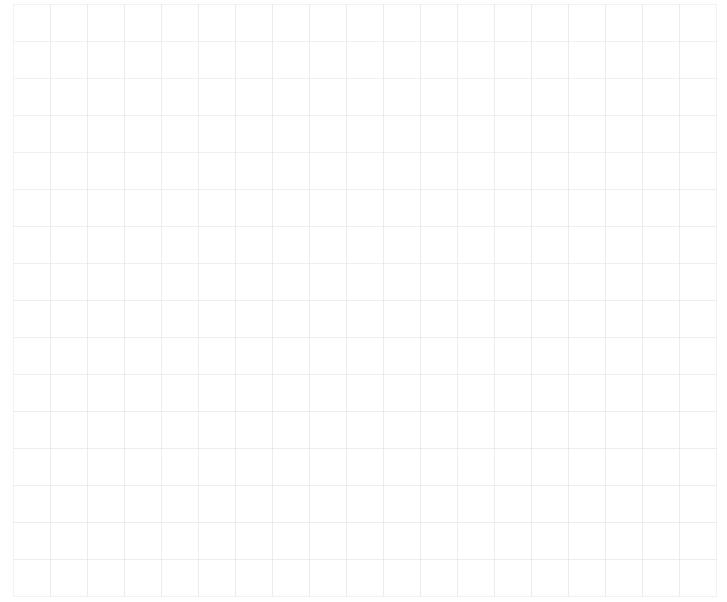
			Speed rpm	Flow								Input Power			
Series	Volumetric Displacement			P= 0 bar (0 psi)		P= 140 bar (2000 psi)		P= 240 bar (3000 psi)		P= 7 bar (100 psi)		P= 140 bar (2000 psi)		P= 240 bar (3500 psi)	
	in³/rev	cm³/rev		gpm	lpm	gpm	lpm	gpm	lpm	HP	kW	HP	kW	HP	kW
TH6C-003	0.66	10.8	1000	2.86	10.8	1.53	5.8	-	-	1.34	1.0	4.83	3.6	-	-
			1500	4.29	16.2	2.96	11.2	2.04	7.7	1.74	1.3	7.11	5.3	11.26	8.4
TH6C-005	1.05	17.2	1000	4.55	17.2	3.23	12.2	2.30	8.7	1.48	1.1	6.84	5.1	11.26	8.4
			1500	6.83	25.8	5.50	20.8	4.58	17.3	1.88	1.4	10.06	7.5	16.36	12.2
TH6C-006	1.30	21.3	1000	5.63	21.3	4.31	16.3	3.39	12.8	1.48	1.1	8.05	6.0	13.41	10.0
			1500	8.44	31.9	7.12	26.9	6.19	23.4	2.01	1.5	11.94	8.9	19.71	14.7
TH6C-008	1.61	26.4	1000	6.98	26.4	5.66	21.4	4.74	17.9	1.61	1.2	9.66	7.2	16.23	12.1
			1500	10.48	39.6	9.15	34.6	8.23	31.1	2.15	1.6	14.35	10.7	22.93	17.1
TH6C-0010	2.08	34.1	1000	9.02	34.1	7.70	39.1	6.77	25.6	1.74	1.3	11.94	8.9	20.25	15.1
			1500	13.52	51.1	12.20	46.1	11.27	42.6	2.28	1.7	18.64	13.9	29.90	22.3
TH6C-0012	2.26	37.1	1000	9.81	37.1	8.49	32.1	7.57	28.6	1.74	1.3	12.87	9.6	21.86	16.3
			1500	14.71	55.6	13.39	50.6	12.46	47.1	2.28	1.7	19.31	14.4	32.32	24.1
TH6C-0014	2.81	46.0	1000	12.17	46.0	10.85	41.0	9.92	37.5	1.88	1.4	15.69	11.7	26.69	19.9
			1500	18.25	69.0	16.93	64.0	16.00	60.5	2.55	1.9	23.60	17.6	39.56	29.5
TH6C-0017	3.56	58.3	1000	15.42	58.3	14.10	53.3	13.17	49.8	2.15	1.6	19.44	14.5	33.26	24.8
			1500	23.12	87.4	21.80	82.4	20.87	78.9	2.82	2.1	29.37	21.9	49.48	36.9
TH6C-0020	3.89	6.38	1000	16.88	63.8	15.56	58.8	14.63	55.3	2.15	1.6	21.19	15.8	36.21	27.OS
			1500	25.32	95.7	24.00	90.7	23.07	87.2	2.95	2.2	31.92	23.8	53.91	40.2
TH6C-0022	4.29	70.3	1000	18.60	70.3	17.28	65.3	16.35	61.8	2.28	1.7	23.20	17.3	39.69	29.6
			1500	27.88	105.4	26.56	100.4	25.63	96.9	3.08	2.3	35.00	26.1	59.14	44.1
TH6C-0025*	4.84	79.3	1000	20.98	79.3	19.66	74.3	18.73	70.8	2.41	1.8	25.88	19.3	44.52	33.2
			1500	31.46	118.9	30.13	113.9	29.21	110.4	3.35	2.5	39.16	29.2	66.38	49.5
TH6C-0028*	5.42	88.8	1000	23.49	188.8	22.22	84.0	-	-	2.55	1.9	29.37	21.9	-	-
			1500	35.24	133.2	33.91	128.2	-	-	3.57	2.8	43.85	32.7	-	-
TH6C-0031*	6.10	100.0	1000	26.46	100.0	25.13	95.0	-	-	2.68	2.0	32.72	24.4	-	-
			1500	39.68	150.0	38.36	145.0	-	-	3.57	2.8	48.95	36.5	-	-

Performance data dimensions & port details

Size	Displacement	Max Speed	Min Speed	Max Intermittent Pressure	Max Continuous Pressure	Weight
	cm ³ /r	rpm	rpm	bar	bar	kg
003	10.8					
005	17.2					
006	21.3					
800	26.4					
010	34.1	2800	600			
012	37.1			280	240	
014	46.0					15
017	58.3					
020	63.8					
022	70.3					
025	79.3					
028	88.8	2500	600	210	160	
031	100.0					

^{* 025, 028, 031 - 2500} rpm max.
* 028, 031 - 3000 psi (210 bar) max int.
- Not to use because internal leakage is greater than 50% of theoretical flow.





The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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