VELJAN

VTXA - B09 - 2 R 00 - D 1 02 *

Series

Cam ring

Volumetric displacement cm^3 /rev (in^3 /rev)

B04 = 4.0 (0.244)
B06 = 5.6 (0.341)
B08 = 7.8 (0.476)
B10 = 9.5 (0.579)
B12 = 12.0 (0.732)
B15 = 14.6 (0.891)
B17 = 16.0 (0.976)

Type of Shaft

2 - Keyed
3 - Splined

Direction of rotation (view on shaft end)

R - clockwise
L - counter-clockwise

Modifications

Port connections

CODE	S	P
02	3/4" BSP	3/8" BSP
03	3/4" NPTF	3/8" NPTF

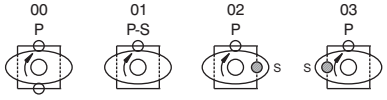
Seal class

1 - S1 (for mineral oil)
5 - S5 (for mineral oil and fire resistant fluids)

Design letter

Porting combination

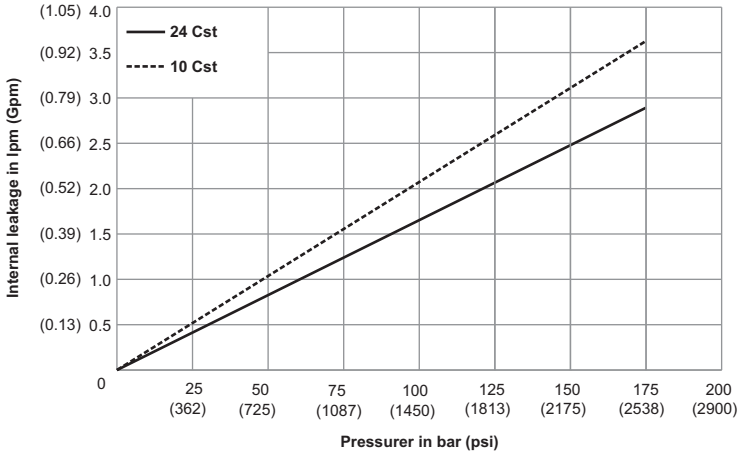
00 - standard



S - Suction port **P - Pressure port**

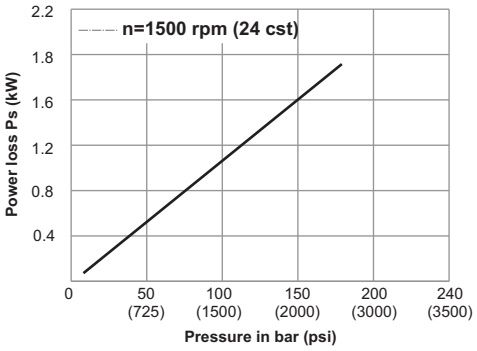
VP
SP

INTERNAL LEAKAGE (TYPICAL)



Do not operate pump for more than 5 seconds at any speed or viscosities if internal leakage is more than 50 of theoretical flow.

POWER LOSS HYDROMECHANIAL (TYPICAL)



OPERATING CHARACTERISTICS (24 cSt)

Pressure port	Series	Volumetric Displacement Vp		Flow q & n = 1500 rpm						Input power p & n = 1500 rpm					
				p = 0 bar (0 psi)		p = 125 bar (1812 psi)		p = 175 bar (3000 psi)		p = 7 bar (100 psi)		p = 125 bar (1812 psi)		p = 175 bar (3000 psi)	
		in^3 /rev	cm^3 /rev	gpm	lpm	gpm	lpm	gpm	lpm	hp	kw	hp	kw	hp	kw
VTXA	B04	0.244	4.0	1.58	6.00	1.18	4.50	-	-	0.12	0.09	3.08	2.3	-	-
	B06	0.341	5.6	2.22	8.40	1.55	5.90	1.42	5.40	0.16	0.118	4.02	3.0	5.49	4.1
	B08	0.476	7.8	3.09	11.70	2.43	9.20	2.29	8.70	0.21	0.16	5.09	3.8	6.97	5.2
	B10	0.579	9.5	3.76	14.25	3.01	11.75	2.97	11.25	0.25	0.186	5.63	4.2	7.78	5.8
	B12	0.732	12.0	4.75	18.00	4.09	15.50	3.96	15.00	0.31	0.23	6.97	5.2	9.52	7.1
	B15	0.891	14.6	5.78	21.90	5.12	19.40	4.99	18.9	0.37	0.275	7.78	5.8	10.59	7.9
	B17	0.976	16.0	6.34	24.00	5.68	21.50	5.54	21.00	0.40	0.30	9.12	6.8	12.20	9.1

– Not to use because internal leakage greater than 50% of theoretical flow.
* B04= 125 bar(1812 psi) Max.Int

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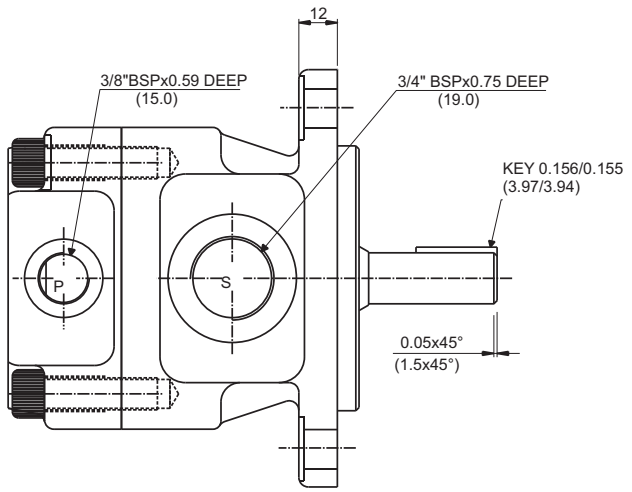

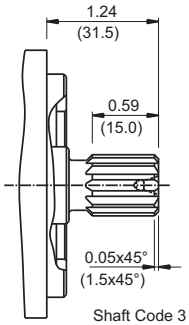

Shaft Code 3
Involute Splined shaft
Class 1-J498b
16/32 d.p 9 teeth
30° press. angle
Flat root side fit