

VT7ASW - B09 - 1 R 00 - D 1 02 - --

Series

Camring

Volumetric displacement cm³/rev (in³/rev)

B09 = 1.71 (28.0)

B10 = 1.87 (30.7)

B11 = 2.21 (36.2)

B12 = 2.42 (39.7)

Type of shaft

1 = Keyed (non SAE) 19.05 Dia

3 = Splined 16/32 (SAE B) 13 Teeth

4 = Splined 16/32 (SAE A) 11 Teeth

Direction of rotation (view on shaft end)

R - clockwise

L - counter-clockwise

Modifications

Port Connections

CODE	S	P
00	4 Bolts SAE Flanges	
	1" 1/4 UNC	3/4" UNC
02	SAE Thread	
	1"5/8 SAE20	1"1/16 SAE12
03	NPTF Thread	
	1"1/4 NPTF	1"1/16NPTF
04	BSP Thread	
	1"1/4 BSP	3/4"BSP

Seal class

1 = S1 - (for mineral oil)

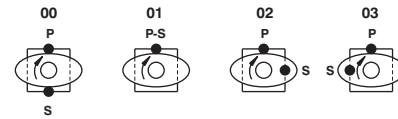
4 = S4 - (for fire resistant fluids)

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

Design letter

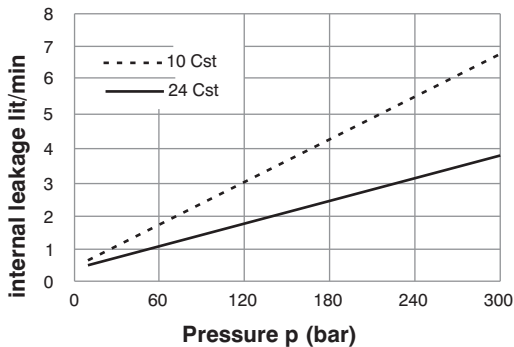
Porting combination

00 - standard



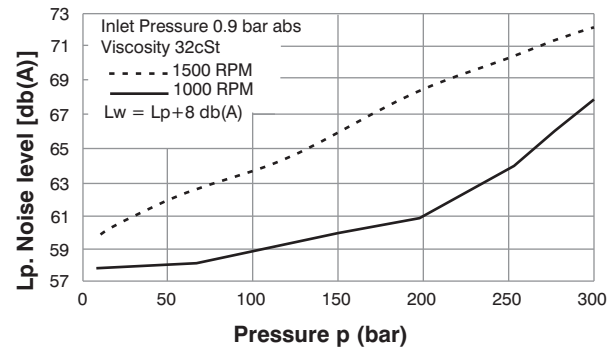
S - Suction port P - Pressure port

INTERNAL LEAKAGE (TYPICAL)

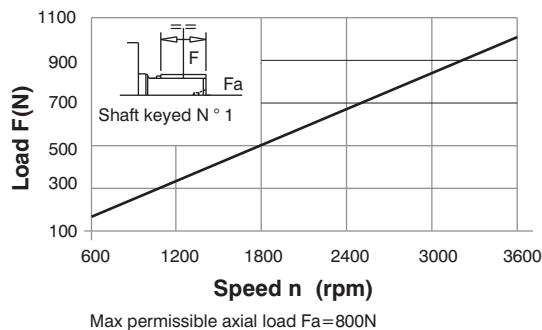


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50% of theoretical flow

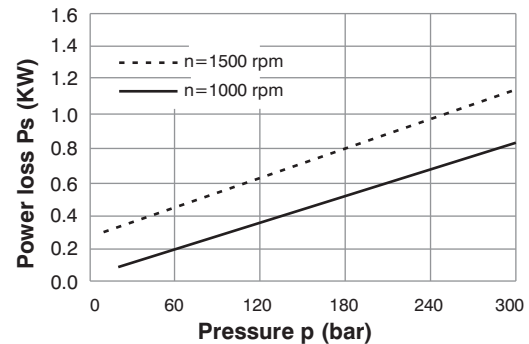
NOISE LEVEL



PERMISSIBLE RADIAL LOAD



POWER LOSS HYDROMECHANICAL(TYPICAL)





Pressure port	Series	Volumetric Displacement Vp		Flow q & n = 1500 rpm						Input power p & n = 1500 rpm					
				p = 0 bar (0 psi)		p = 140 bar (2000 psi)		p = 320 bar (4650 psi)		p = 7 bar (100 psi)		p = 140 bar (2000 psi)		p = 320 bar (4650 psi)	
		in³/rev	cm³/rev	gpm	lpm	gpm	lpm	gpm	lpm	hp	kw	hp	kw	hp	kw
VT7ASW	B09	1.71	28.0	11.1	41.9	10.6	40.3	10.2	38.5	1.2	0.9	13.7	10.2	29.6	22.1
	B10	1.87	30.7	12.2	45.9	11.5	43.3	11.0	41.5	1.2	0.9	14.6	10.9	31.9	23.6
	B11	2.21	36.2	14.3	54.1	13.8	52.3	13.4	50.5	1.3	1.0	17.4	13.0	37.7	28.1
	B12	2.42	39.7	15.7	59.4	15.4	58.3	14.9	56.5	1.5	1.1	19.3	14.4	41.7	31.1

Cartridge	Series	Volumetric Displacement VP		Minimum Inlet Pressure (PSI Absolute/BAR) Allowed								Min. Speed	Max. Speed HF-0, HF-1, HF-2 HF-3, HF-4, HF-5		Maximum Pressure					
															HF-0, HF-2,		HF-1, HF-4, HF-5		HF-3	
		Speed in RPM								RPM				Int	Cont	Int	Cont	Int	Cont	
Size		in³/rev	cm³/rev	1200	1500	1800	2100	2300	2500		2800	3000	3600			bar	bar	bar	bar	bar
VT7ASW	B10	1.71	28.0	11.6 0.80	11.6 0.80	11.6 0.80	11.6 0.80	11.6 0.80	11.6 0.80	11.6 0.80	11.6 0.80	600	3600	1800	300	275	240	210	175	140
	B11	1.87	30.7																	
	B12	2.21	36.2																	
	B14	2.42	39.7																	

Note: Product details are liable to change without any notice