

ORDERING CODE

VST7E - 066 - 3 R 00 - A 1 - *

Series _____

Cam ring _____

Volumetric displacement cm³/rev (in³/rev)

042 = 132.3 (8.07)

045 = 142.4 (8.69)

050 = 158.5 (9.67)

052 = 164.8 (10.06)

057 = 180.7 (11.02)

062 = 196.7 (12.00)

066 = 213.3 (13.02)

072 = 227.1 (13.86)

085 = 268.7 (16.40)

Type of shaft _____

1 - Keyed

2 - Keyed (no SAE)

3 - Splined (SAE-C)

4 - Splined (SAE-CC)

Modifications _____

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

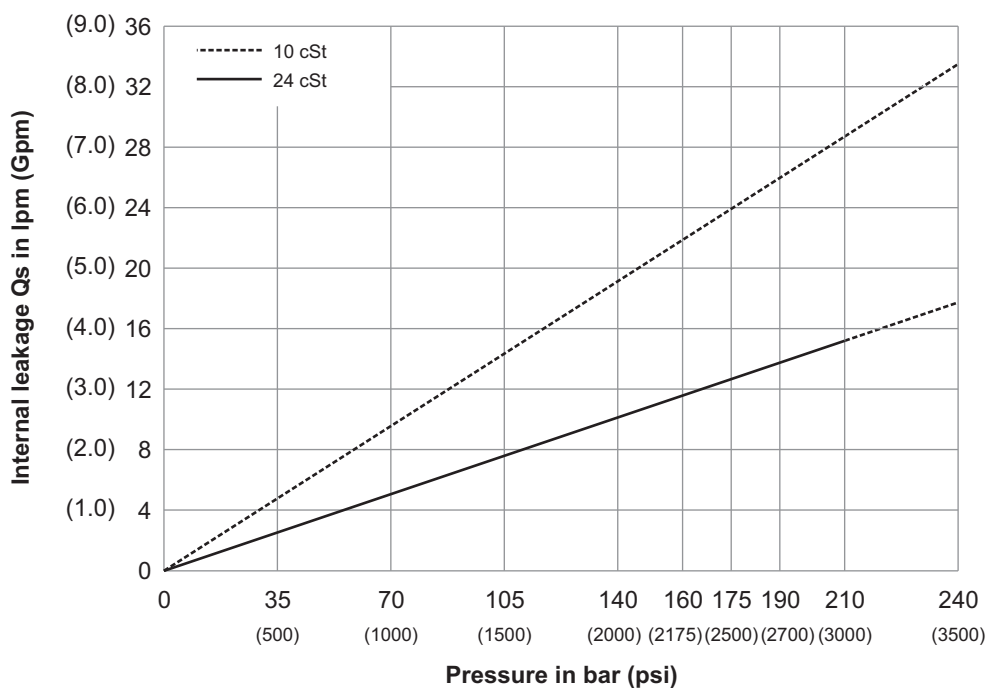
00 P	01 P-S	02 P	03 P
S - Suction port P - Pressure port			

Direction of rotation
(view on shaft end)

R - clockwise

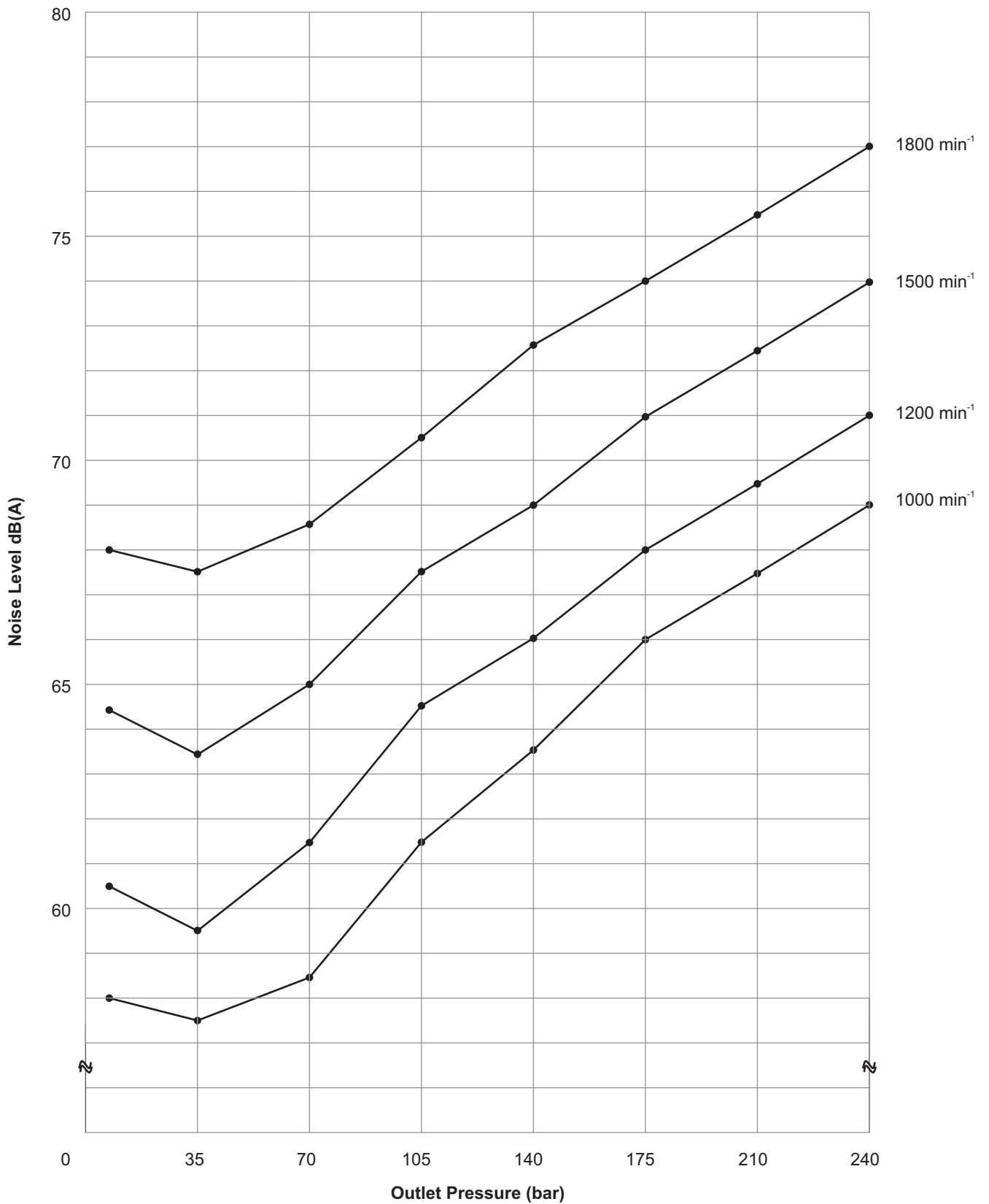
L - counter-clockwise

INTERNAL LEAKAGE (TYPICAL)



NOISE LEVEL (TYPICAL)
VST7E-062

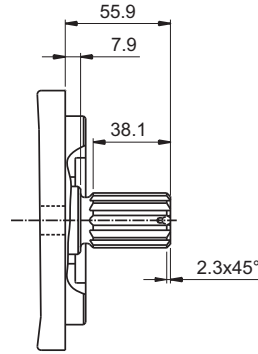
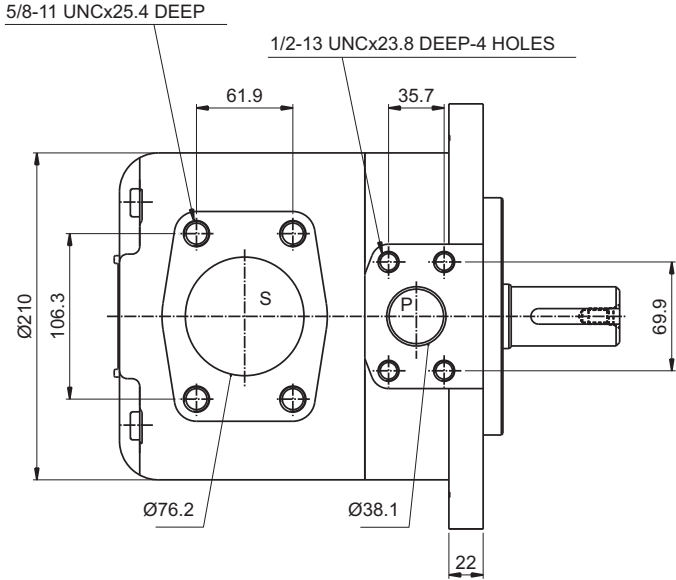
SP



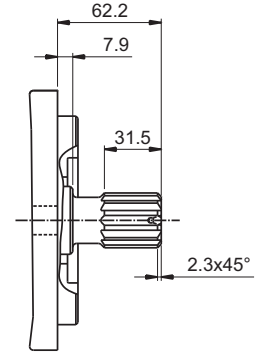
Measurement Conditions: ISO VG32 oil at 50°C and measured 1m from rear of pump cover

INSTALLATION DRAWING
FLANGE MOUNTING

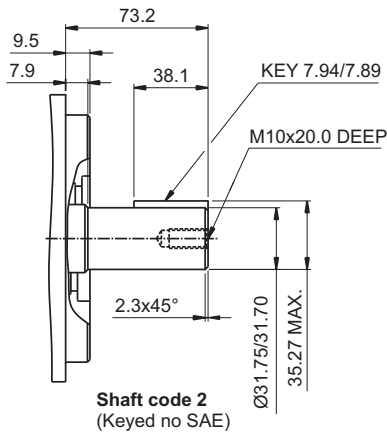
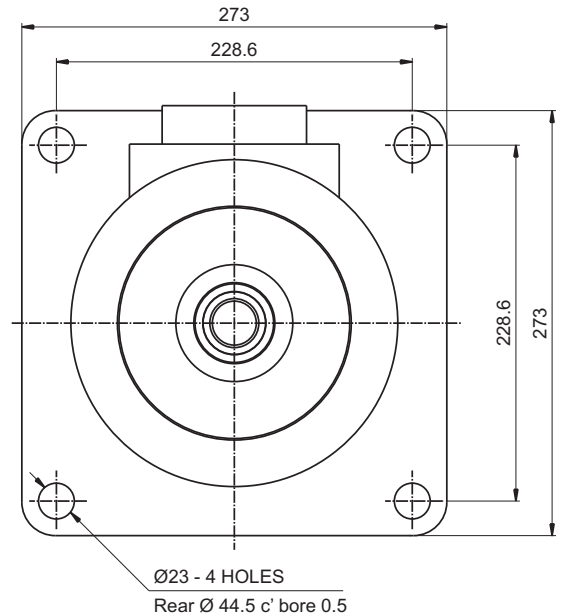
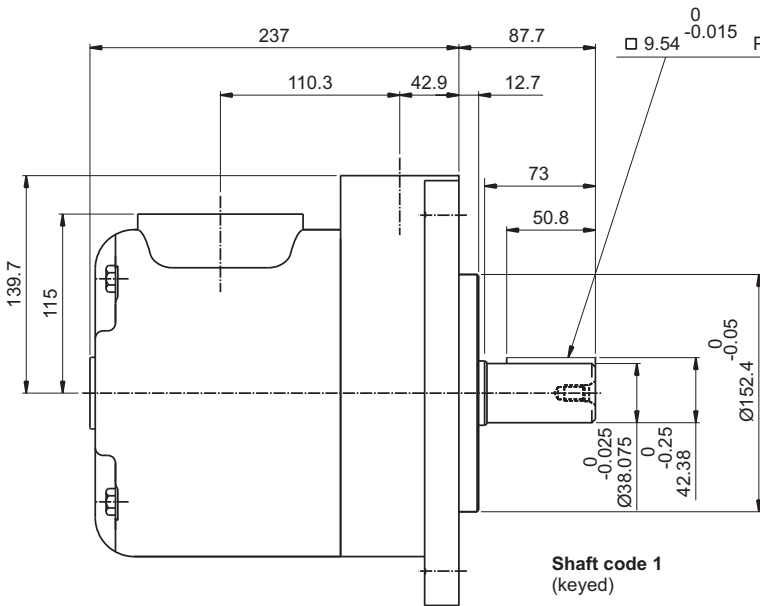
SP



Shaft code 3
SAE C splined shaft
Class 1-J498b
12/24 dp. 14 teeth
30° pressure angle
flat root side fit



Shaft code 4
SAE CC splined shaft
Class 1-J498b
12/24 dp. 17 teeth
30° pressure angle
flat root side fit



Weight-59.5 Kgs.

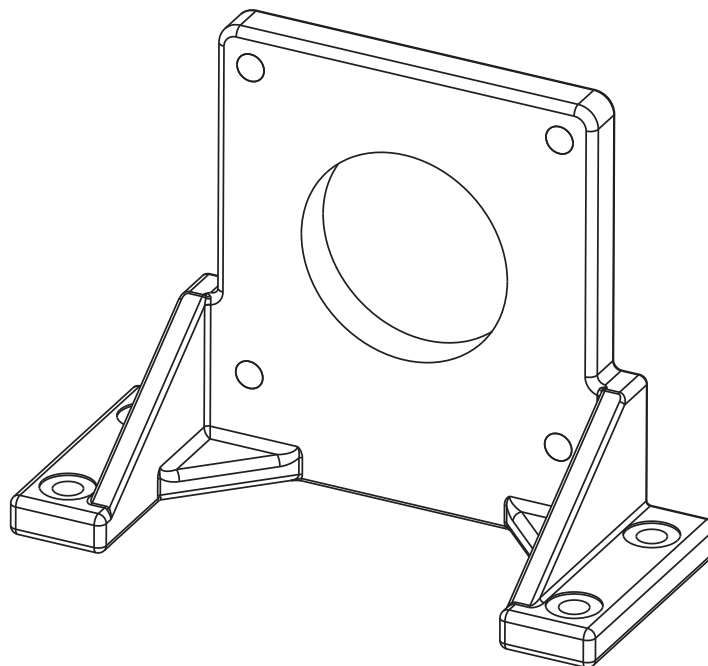
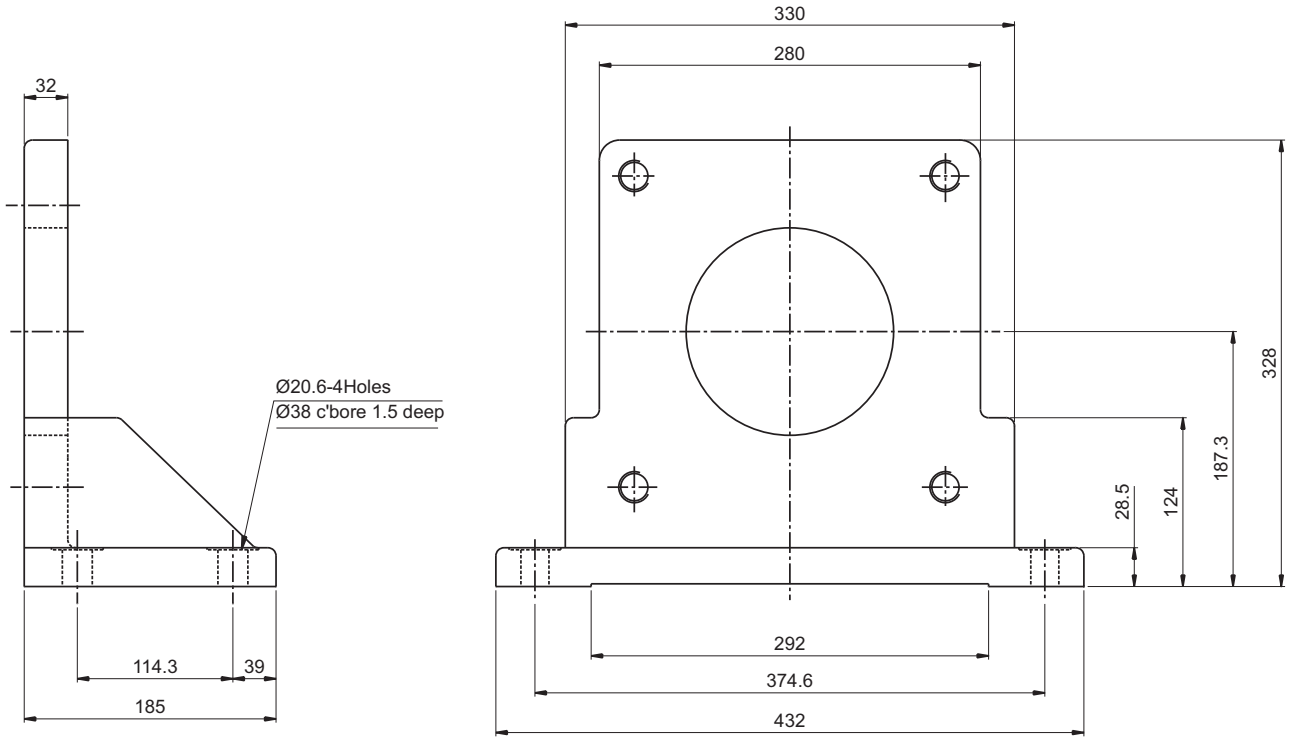
Shaft torque limits in³/rev x psi(ml/revxbar)

Shaft	Vp x p max.
1	48273 (54555)
2	30638 (34590)
3	54207 (61200)
4	54207 (61200)

INSTALLATION DRAWING

FOOT MOUNTING

SP



Weight - 25 Kgs.

OPERATING CHARACTERISTICS (24 cSt)

Pressure port	Series	Volumetric Displacement Vp		Flow q (lpm) & n = 1500 rpm					
				p = 0 bar (0 psi)		p=140bar(2000psi)		p=240bar(3500psi)	
		in ³ /rev	cm ³ /rev	gpm	lpm	gpm	lpm	gpm	lpm
	042	8.07	132.3	52.50	198.5	49.87	188.5	47.96	181.3
	045	8.69	142.4	56.51	213.6	53.86	203.6	51.98	196.5
	050	9.67	158.5	62.88	237.7	60.24	227.7	58.36	220.6
	052	10.06	164.8	65.40	247.2	62.75	237.2	60.87	230.1
	057	11.02	180.7	71.71	271.1	69.07	261.1	67.19	254.0
	062	12.00	196.7	78.04	295.0	75.40	285.0	73.52	277.9
	066	13.02	213.3	84.63	319.9	81.98	309.9	80.11	302.8
	072	13.86	227.1	90.11	340.6	87.46	330.6	85.58	323.5
	085	16.40	268.7	107.00	404.7	--	--	--	--

Pressure port	Series	Volumetric Displacement Vp		Input Power p & n = 1500 rpm					
				p = 7 bar (100 psi)		p = 140bar(2000psi)		p = 240bar(3500psi)	
		in ³ /rev	cm ³ /rev	hp	kw	hp	kw	hp	kw
	042	8.07	132.3	6.97	5.2	66.25	49.4	110.77	82.6
	045	8.69	142.4	7.24	5.4	70.94	52.9	118.95	88.7
	050	9.67	158.5	7.64	5.7	78.45	58.5	131.82	98.3
	052	10.06	164.8	7.78	5.8	81.53	60.8	136.92	102.1
	057	11.02	180.7	8.18	6.1	89.04	66.4	143.35	106.9
	062	12.00	196.7	8.58	6.4	96.42	71.9	162.67	121.3
	066	13.02	213.3	8.98	6.7	104.20	77.7	175.94	131.2
	072	13.86	227.1	9.25	6.9	110.77	82.6	187.07	139.5
	085	16.40	268.7	9.78	7.3	--	--	--	--

Max, int. pressure 240 bar upto 072

Max, cont. pressure 210 bar upto 072

Measurement Conditions: ISO VG32 oil at 50°C

Note : 085 = 90 bar (1300 psi) max. int. & 085 = 2000 rpm max.

CONSTRUCTION



- 1. Key
- 2. Shaft
- 3. Shaft Seal
- 4. Bearing
- 5. Retaining Ring
- 6. Mounting Flange
- 7. Cartridge
- 8. Housing
- 9. Bolts

