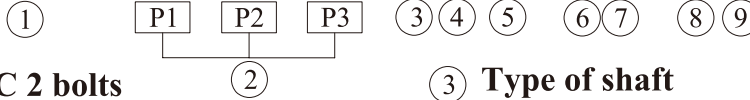


**KT67DCB - 038 - 022 - B08 - 1 R 00 - A 1 - 01 \***



① **Series SAE C 2 bolts**  
Mounting flange j744c

② **Cam ring for " P1 "**  
Volumetric displacement (cm<sup>3</sup>/rev)

014=47.6	035=111.0
017=58.2	038=120.3
020=66.0	042=136.0
024=79.5	045=145.7
028=89.7	050=158.0
031=98.3	061=190.5

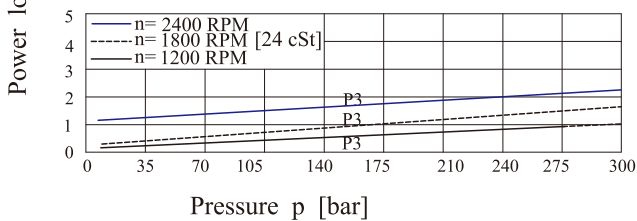
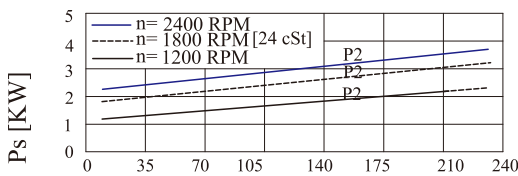
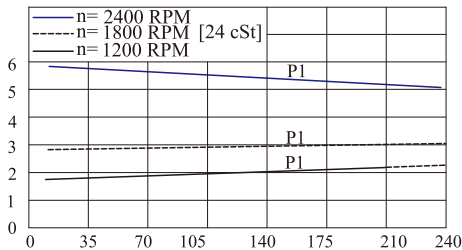
**Cam ring for " P2 "**

003=10.8	017=58.3
005=17.2	020=63.8
006=21.3	022=70.3
008=26.4	025=79.3
010=34.1	028=88.8
012=37.1	031=100.0
014=46.0	

**Cam ring for " P3 "**

B02=5.7	B09=28.0
B03=9.8	B10=31.8
B04=12.8	B11=34.9
B05=15.9	B12=40.9
B06=19.8	B14=45.1
B07=22.5	B15=50.0
B08=24.9	

**HYDROMECHANICAL POWER LOSS (TYPICAL)**



Total hydromechanical power loss is the sum of each section at its operating conditions.

③ **Type of shaft**

- 1 - Keyed (no SAE)
- 2 - Keyed (SAE CC)
- 3 - Splined (SAE C)
- 4 - Splined (SAE CC)

④ **Direction of rotation(view on shaft end)**

- R=clockwise
- L=counter-clockwise

⑤ **Porting combination**

- 00-standard

⑥ **Design letter**

⑦ **Seal class**

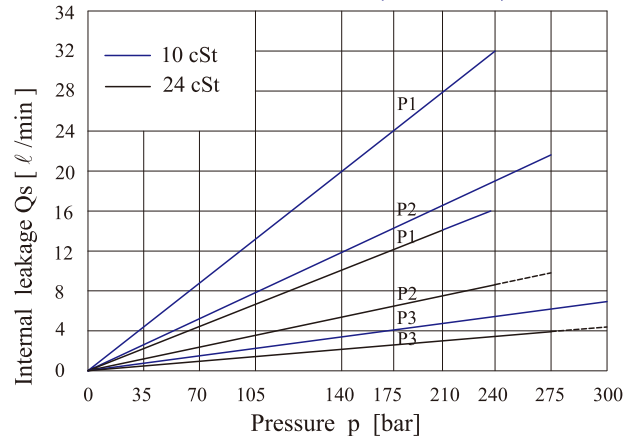
- 1-S1 (for mineral oil)
- 4-S4 (for fire resistant fluids)
- 5-S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting W/connection variables**

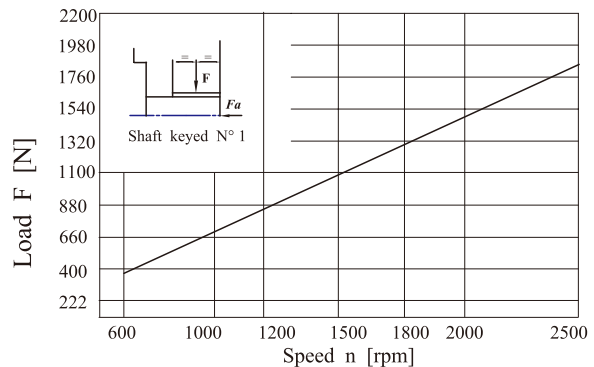
P1=1 1/4" P2=1" P3=3/4" S=4"	
Unc	Metric
01	M1

⑨ **Modifications**

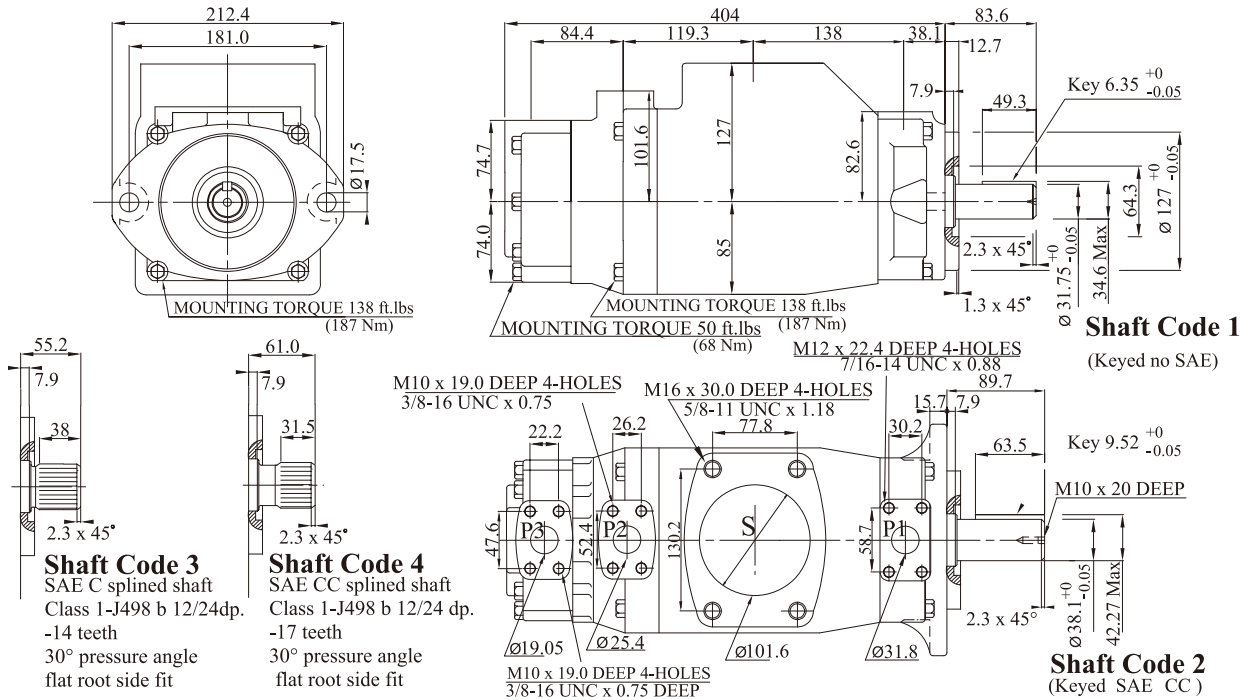
**INTERNAL LEAKAGE (TYPICAL)**



**PERMISSIBLE RADIAL LOAD**



Maximum permissible axial load Fa = 800 N



**OPERATING CHARACTERISTICS - TYPICAL (24 cST) (input power p (kw) for one cartridge only)**

Pressure Port	Series	Volumetric Displacement Vp	Flow q & n=1800rpm			Input power p & n=1800rpm			P Max Kg/cm <sup>2</sup>	Max r.p.m
			cm <sup>3</sup> /rev	ℓ/min	ℓ/min	ℓ/min	KW	KW		
P1			P=0 bar	P=140 bar	P=240 bar	P=7 bar	P=140 bar	P=240 bar	240	2500
	014	47.6	85.0	77.4	71.1	2.99	21.85	36.79		
	017	58.2	87.3	78.0	71.8	2.5	22.2	37.0		
	020	66.0	118.6	101.4	104.2	3.38	29.47	50.11		
	024	79.5	142.8	134.6	128.5	3.66	35.06	59.89		
	028	89.7	161.3	153.0	146.8	3.87	39.28	67.28		
	031	98.3	176.7	168.5	162.3	4.09	42.84	73.51		
	035	111.0	199.6	191.3	184.1	4.31	48.09	82.7		
	038	120.3	216.3	208.1	201.8	4.50	51.94	83.47		
	042 1)	136.0	244.5	236.3	230.1	4.83	58.44	100.81		
	045 1)	145.7	261.9	253.7	247.5	5.02	62.45	107.83		
	050 1)	158.0	284.1	275.8	271.3 2)	5.27	67.54	100.32 2)		
	061 1)	190.5	285.8	278.0 3)	—	5.5	72.69 3)	—		
P2			P=0 bar	P=140 bar	P=275 bar	P=7 bar	P=140 bar	P=275 bar	275	2500
	Series	cm <sup>3</sup> /rev								
	003	10.8	19.6	14.6	—	1.57	6.30	—		
	005	17.2	30.9	26.0	21.5	1.70	8.94	14.77		
	006	21.3	38.3	33.4	28.8	1.78	10.64	17.74		
	008	26.4	47.4	42.6	37.9	1.89	12.75	21.43		
	010	34.1	61.3	56.4	51.8	2.06	15.94	27.00		
	012	37.1	66.7	61.8	57.2	2.11	17.18	29.18		
	014	46.0	82.7	77.8	73.2	2.30	20.87	35.62		
	017	58.3	104.8	99.9	95.3	2.55	25.95	44.54		
	020	63.8	114.7	109.8	105.2	2.66	28.23	48.52		
	022	70.3	126.4	121.5	116.9	2.80	30.92	53.22		
	025 4)	79.3	142.5	137.6	133.1	2.99	34.64	59.74		
028 4)	88.8	159.6	154.7	152.4 2)	3.18	38.58	57.22 2)			
031 4)	100.0	179.7	174.9	172.5 2)	3.41	43.21	64.17 2)			
P3			P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	300	2500
	Series	cm <sup>3</sup> /rev								
	B02	5.7	10.4	8.8	6.8	0.55	2.99	6.40		
	B03	9.8	17.6	15.9	14.0	0.63	4.65	10.25		
	B04	12.8	23.0	21.4	19.4	0.70	5.89	13.13		
	B05	15.9	28.6	26.9	25.0	0.76	7.17	16.12		
	B06	19.8	35.6	33.9	32.0	0.84	8.79	19.88		
	B07	22.5	40.4	38.8	36.8	0.89	9.91	22.47		
	B08	24.9	44.7	43.1	41.1	0.94	10.9	24.78		
	B09	28.0	50.3	48.6	47.0	1.01	12.19	27.77		
	B10	31.8	57.2	55.5	53.5	1.11	13.75	31.42		
	B11	34.9	62.9	61.2	59.3	1.15	15.04	32.22		
	B12	40.9	73.7	72.1	70.1	1.28	17.56	37.71		
	B14	45.1	80.8	79.2	77.0	1.36	19.23	41.37		
	B15	50.0	89.8	88.3	86.5 5)	1.47	21.28	42.76 5)		
								280		

1) 042-045-050-061=2200 rpm max.  
4) 025-028-031=2500 rpm max.

2) 025-028-031-050=210 bar max.  
5) B15=280 bar max. int.

3) 061=120 bar max. int.  
061=80 bar cont.

Min Speed : 600 rpm