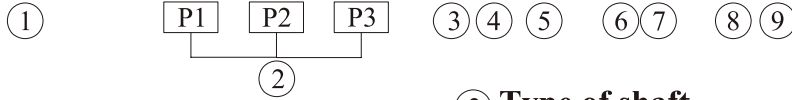


**KT7QDCB - B38 - B08 - B08 - 1 R 00 - A 1 - 00 \***



**① Series**

**② Cam ring for " P1 "**

Volumetric displacement (cm<sup>3</sup>/rev)

- B14=43.9      B35=113.4
- B17=55.0      B38=120.6
- B20=66.0      B42=137.5
- B24=81.1      B45=145.7
- B28=89.9      B50=157.9
- B31=99.1

**Cam ring for " P2 "**

- B03=10.8      B17=58.3
- B05=17.2      B20=63.8
- B06=21.3      B22=70.3
- B08=26.4      B25=79.3
- B10=34.1      B28=88.8
- B12=37.1      B31=100.0
- B14=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

**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**

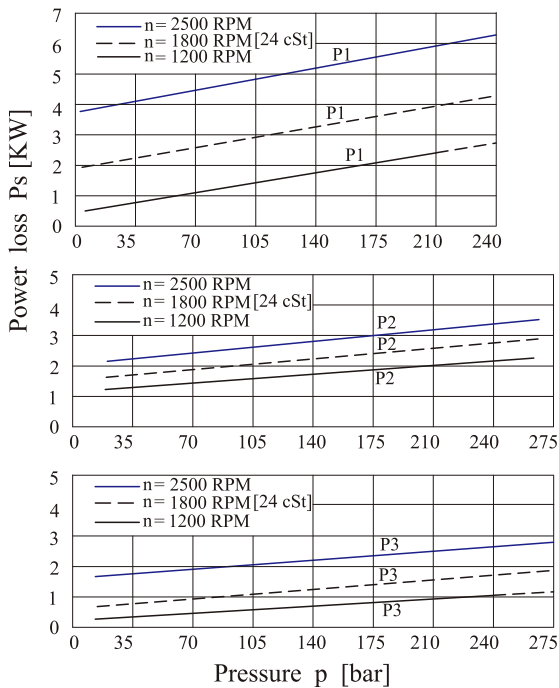
- 1-S1 (for mineral oil)
- 4-S4 (for fire resistant fluids)
- 5-S5 (for mineral oil and fire resistant fluids)

**⑧ Mounting W/connection variables**

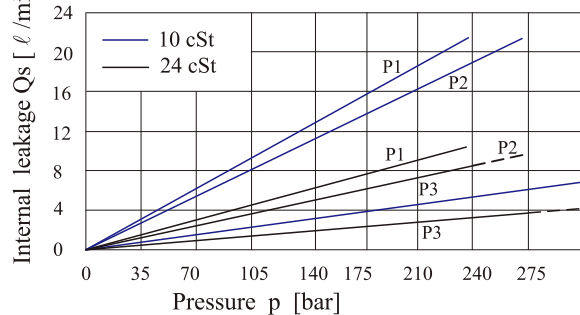
P1 = 1 1/4" P2 = 1" P3 = 3/4" S = 4"		
	Unc	Metric
	01	M1

**⑨ Modifications**

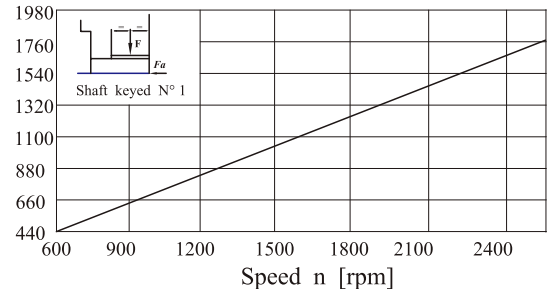
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



**INTERNAL LEAKAGE (TYPICAL)**

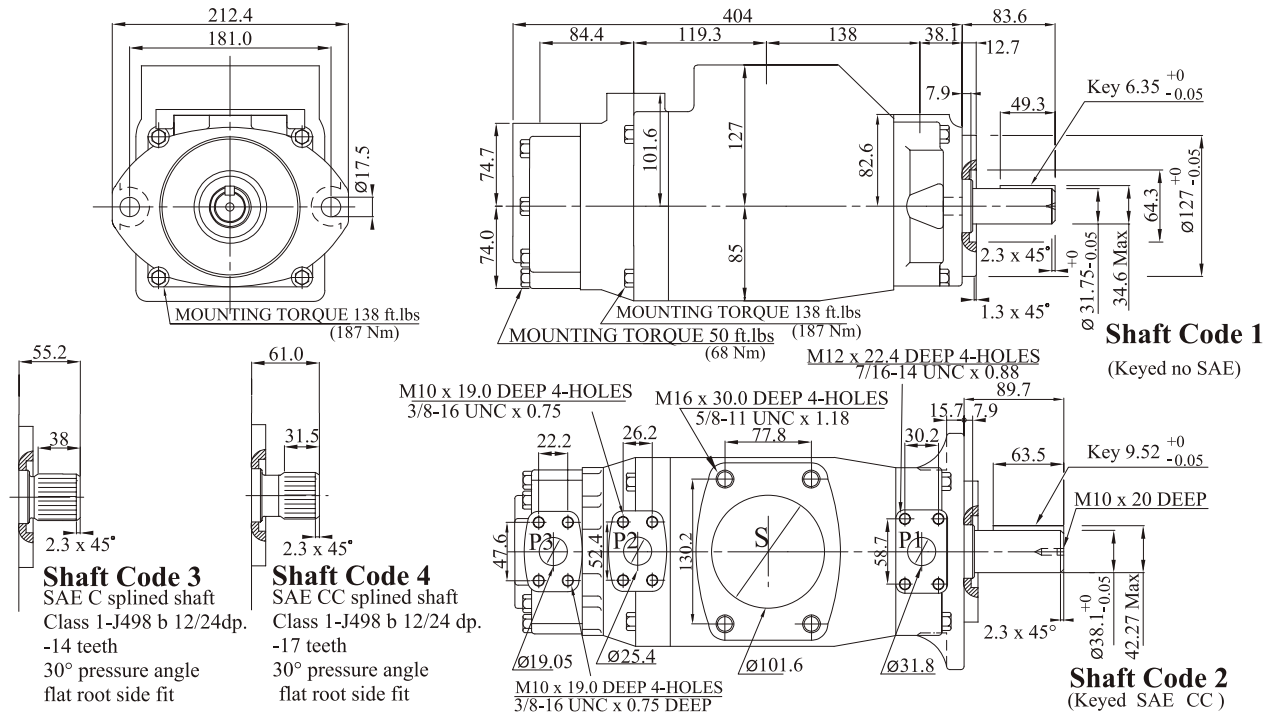


**PERMISSIBLE RADIAL LOAD**



Maximum permissible axial load Fa = 1200 N

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



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

Pressure Port	Series	Volumetric Displacement Vp cm <sup>3</sup> /rev	Flow q & n=1800rpm (ℓ/min)			Input power p & n=1800rpm (KW)			P Max <sub>2</sub> Kg/cm <sup>2</sup>	Max r.p.m
			P=0 bar	P=140 bar	P=250 bar	P=7 bar	P=140 bar	P=250 bar		
P1	B14	43.9	79.1	72.5	67.3	2.6	20.7	35.0	250	2500
	B17	55.0	98.8	92.3	87.0	2.8	25.3	43.0		
	B20	66.0	118.6	112.0	106.8	3.0	29.8	50.9		
	B24	81.1	145.8	139.2	134.0	3.4	36.1	61.9		
	B28	89.9	161.8	155.2	150.0	3.5	39.7	68.3		
	B31	99.1	178.3	171.7	166.5	3.7	43.6	75.0		
	B35	113.4	203.9	197.2	192.0	4.0	49.4	85.3		
	B38	120.6	216.8	210.2	204.9	4.2	52.4	90.5		
	B42	137.5	247.2	240.6	235.4	4.5	59.4	102.7		
	B45	145.7	261.9	253.6	246.8	5.0	62.4	108.7		
B50	157.9	284.1	275.8	271.3 1)	5.3	67.5	100.3 1)	210	2200	
P2	Series	cm <sup>3</sup> /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	275	2500
	B03	10.8	19.6	14.6	—	1.57	6.30	—		
	B05	17.2	30.9	26.0	16.44	1.70	8.94	17.88		
	B06	21.3	38.3	33.4	21.6	1.78	10.64	21.6		
	B08	26.4	47.4	42.6	30.72	1.89	12.75	26.16		
	B10	34.1	61.3	56.4	44.64	2.06	15.94	33.0		
	B12	37.1	66.7	61.8	50.04	2.11	17.18	35.4		
	B14	46.0	82.7	77.8	66.0	2.30	20.87	43.8		
	B17	58.3	104.8	99.9	88.2	2.55	25.95	54.84		
	B20	63.8	114.7	109.8	98.04	2.66	28.23	59.76		
	B22	70.3	126.4	121.5	109.8 2)	2.80	30.92	60.36 2)	240	
B25	79.3	142.5	137.6	—	2.99	34.64	—			
B28	88.8	159.6	154.7	—	3.18	38.58	—			
B31	100.0	179.7	174.9	—	3.41	43.21	—			
P3	Series	cm <sup>3</sup> /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	300	2500
	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 3)	1.47	21.28	42.76 3)		

1) B50=210 bar max. int.

2) B22=240 bar max. int.

3) B15=280 bar max. int.

Min Speed : 600 rpm