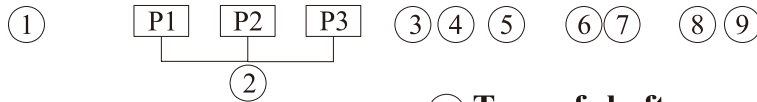


KT7DBB - B38 - B08 - B08 - 1 R 00 - A 1 - 00 *



① **Series**

② **Cam ring for " P1 "**

Volumetric displacement (cm³/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 " & " 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**

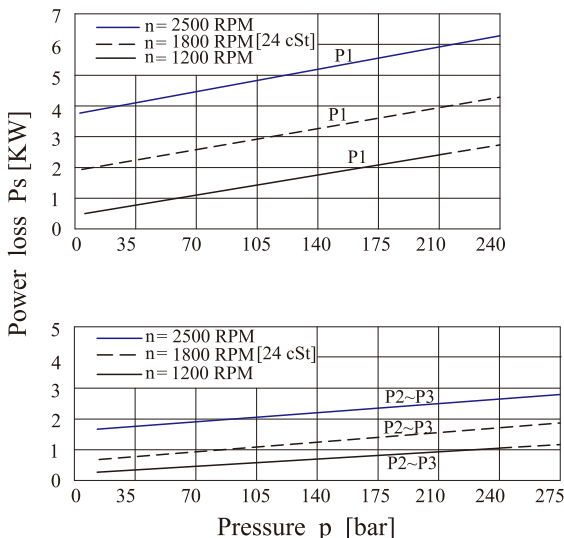
- 1-S1 (for mineral oil)
- 4-S4 (for fire resistant fluids)
- 5-S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting W/connection variables**

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

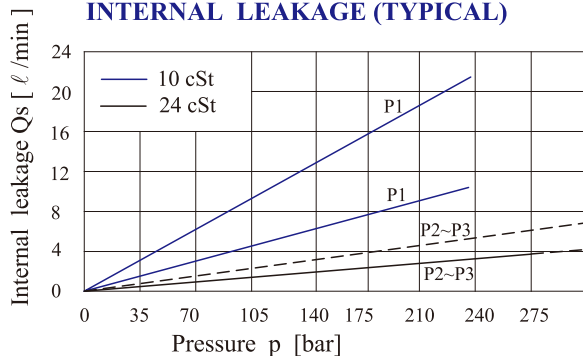
⑨ **Modifications**

HYDROMECHANICAL POWER LOSS (TYPICAL)

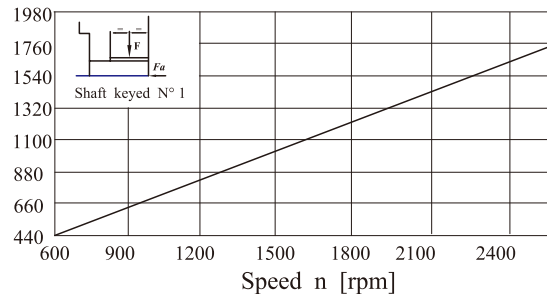


Total hydromechanical power loss is the sum of each section at its operating conditions.

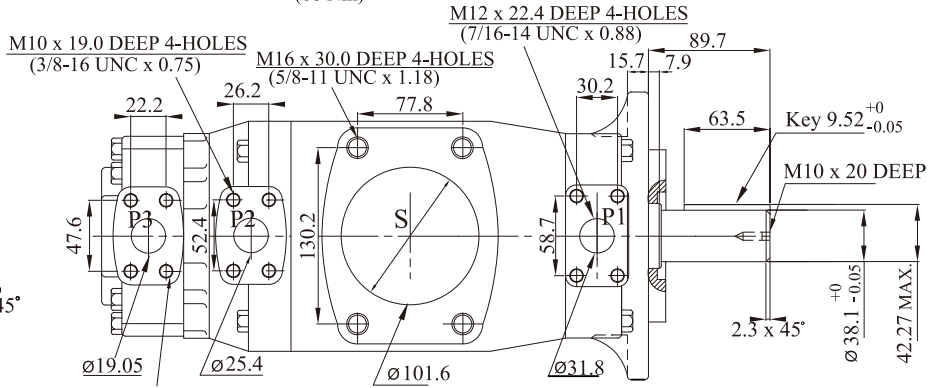
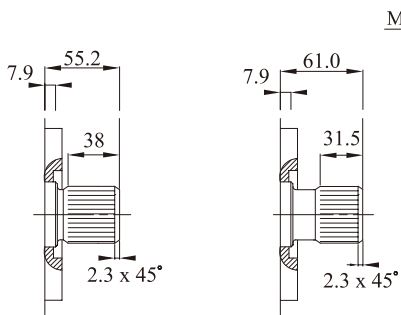
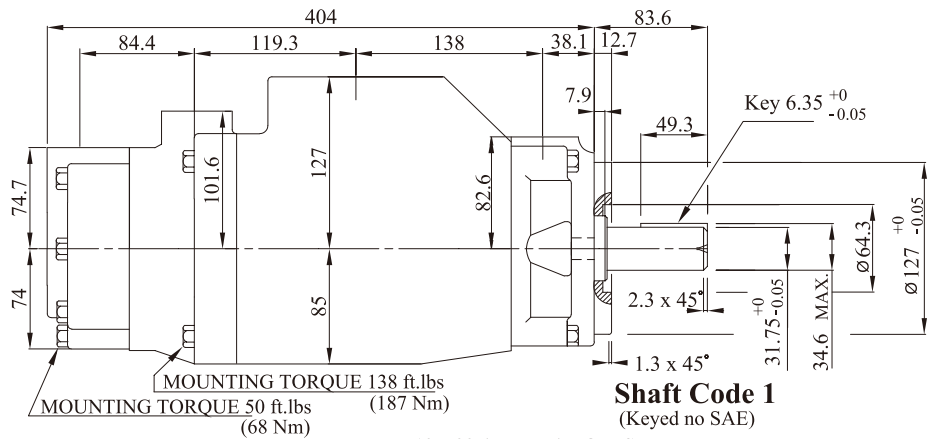
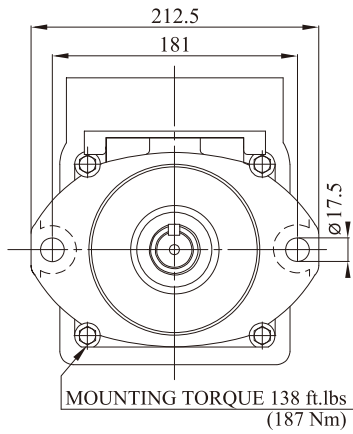
INTERNAL LEAKAGE (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 1200 N



Shaft Code 3
SAE C splined shaft
Class 1-J498 b 12/24 dp.
-14 teeth 30°
pressure angle flat root
side fit

Shaft Code 4
SAE CC splined shaft
Class 1-J498 b 12/24 dp.
-17 teeth 30° pressure
angle flat root
side fit

Shaft torque limits (m/rev x bar)	
Shaft	Vp x p max.(P1+P2+P3)
1	43240
2	66500
3	61200
4	66500

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

Pressure Port	Series	Volumetric Displacement Vp cm ³ /rev	Flow q & n=1800rpm (ℓ/min)			Input power p & n =1800rpm (KW)			P Max Kg/cm ²	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	262.2	253.6	246.8	5.0	62.4	108.7		
	B50 1)	157.9	284.0	275.8	271.3 1)	5.3	67.5	100.3 1)	210	
P2 - P3		cm ³ /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	6.04		
	B03	9.8	17.6	15.9	14.0	0.63	4.65	9.64		
	B04	12.8	23.0	21.4	19.4	0.70	5.89	12.34		
	B05	15.9	28.6	26.9	25.0	0.76	7.17	15.13		
	B06	19.8	35.6	33.9	32.0	0.84	8.79	18.64		
	B07	22.5	40.4	38.8	36.8	0.89	9.91	21.07		
	B08	24.9	44.7	43.1	41.1	0.94	10.9	23.23		
	B09	28.0	50.3	48.6	47.0	1.01	12.19	26.04		
	B10	31.8	57.2	55.5	53.5	1.11	13.75	29.44		
	B11	34.9	62.9	61.2	59.3	1.15	15.04	32.23		
	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 2)	1.47	21.28	42.76 2)		

1) B50=210 bar max. int.

2) B15=280 bar max. int.

Min Speed : 600 rpm