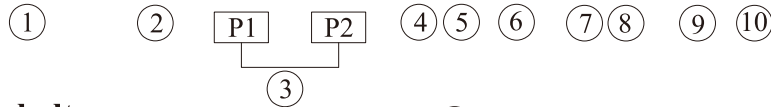


KT67DB - W - 038 - B08 - 1 R 00 - A 1 - 11 *



① Series- SAE C 2 bolts

Mounting flange J744c

② severe duty shaft only

③ Cam ring for " P1 "

Volumetric displacement (cm³/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 "

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	

④ Type of shaft

- 1-Keyed(SAE C) 2-Keyed(no SAE)
- 3-splined (SAE C) 4-splined (no SAE)

KT67DBW only
5-Keyed(no SAE)

⑤ Direction of rotation (view on shaft end)

R=clockwise
L=counter-clockwise

⑥ Porting combination

00-standard

⑦ Design letter

⑧ Seal class

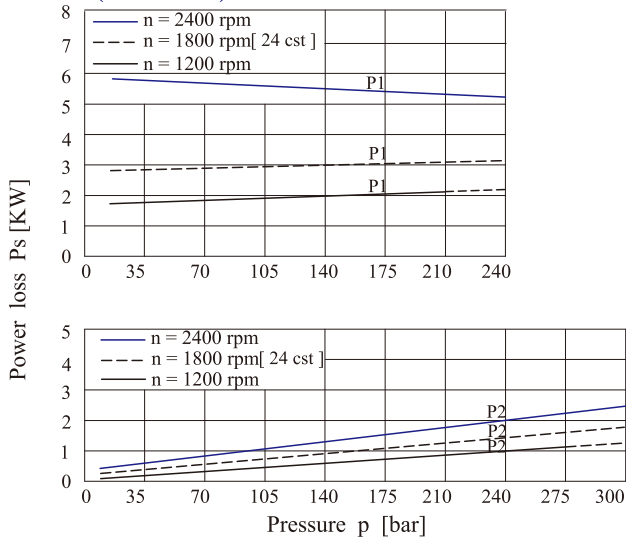
- 1-S1 (for mineral oil)
- 4-S4 (for fire resistant fluids)
- 5-S5 (for mineral oil and fire resistant fluids)

⑨ Mounting W/connection variables

P1=1 1/4" , P2=3/4" , S=3"	
Unc	Metric
11	M1

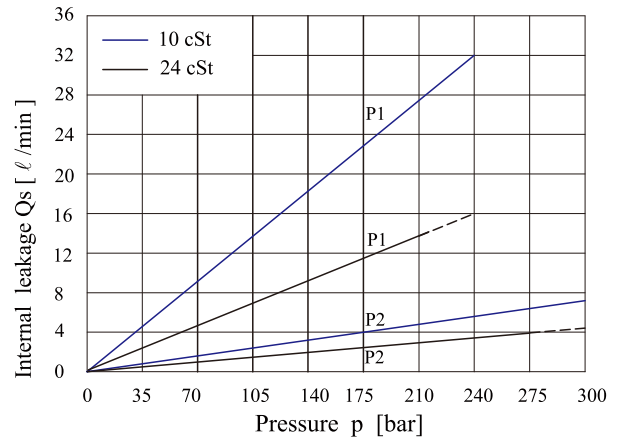
⑩ Modifications

HYDROMECHANICAL POWER LOSS (TYPICAL)

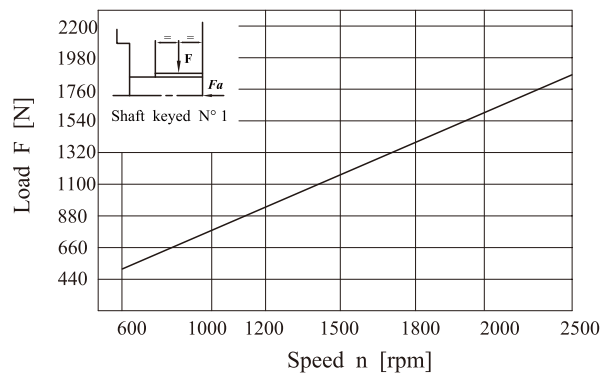


Total hydromechanical power loss is the sum of each section at its operating conditions.

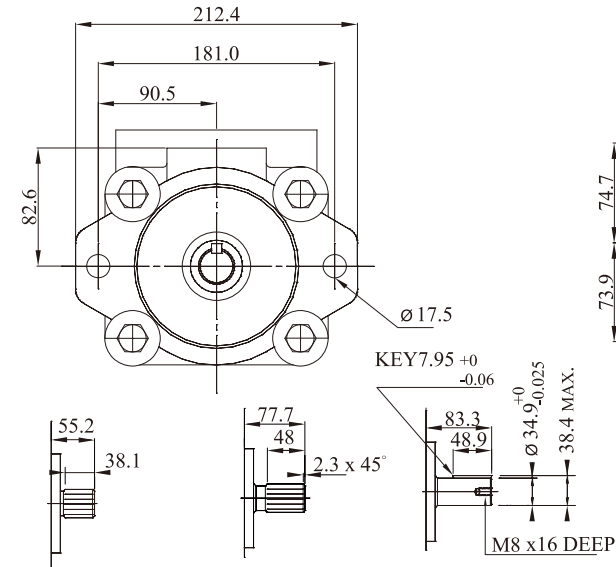
INTERNAL LEAKAGE (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 1200 N

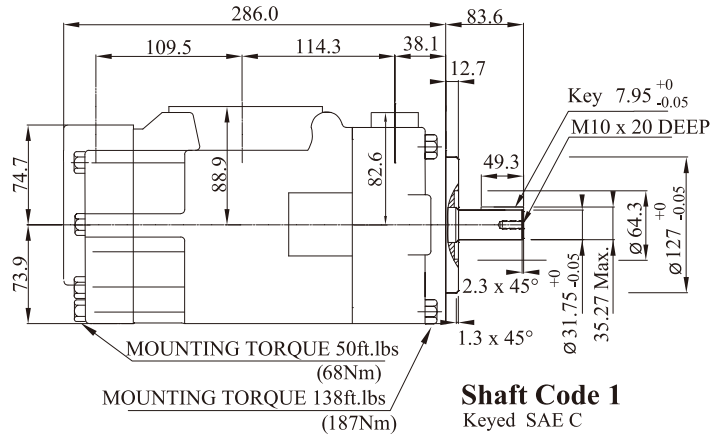


Shaft code 3
SAE C Splined shaft class 1 - J498 B 12/24 d.p. -14 teeth 30° pressure angle. Flat root side fit.

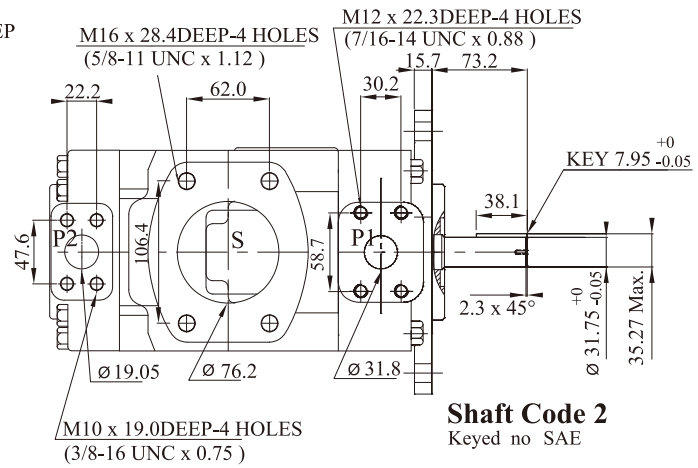
Shaft code 4
NO SAE Splined shaft class 1 - J498 B 12/24 d.p. -14 teeth 30° pressure angle. Flat root side fit.

Shaft code 5
Keyed no SAE
KT67DBW

Shaft torque limits (mℓ/rev x bar)		
Pump	Shaft	Vp x p max.P1+P2
KT67DB	1	43240
	2	34590
	3	61200
	4	61200
	5	55600



Shaft Code 1
Keyed SAE C



Shaft Code 2
Keyed no SAE

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

Pressure Port	Series	Volumetric Displacement Vp	Flow q & n=1800 rpm (ℓ/min)			Input power p & n=1800rpm (KW)			P Max Kg/cm ²	Max r.p.m
			P=0 bar	P=140 bar	P=240 bar	P=7 bar	P=140 bar	P=240 bar		
P1		cm ³ /rev							240	2500
	014	47.6	85.0	77.4	71.1	2.99	21.58	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	Series	cm ³ /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	300	2500
	B02	5.8	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 4)	1.47	21.28	42.76 4)		

1) 042-045-050-061=2200rpm max.

2) 050=210 bar max. int.

3) 061=120 bar max. int.

Min Speed : 600 rpm

4) B15=280 bar max. int.