

**KT6CM \* 014 - 1 R 00 - B 1 \***  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① **Series**

② **Y-** Metric port connection ,  
 Omit for UNC

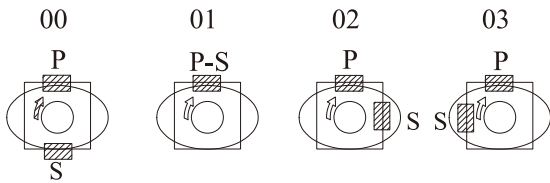
③ **Cam ring**

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

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

④ **Type of shaft**

- 1= keyed (SAE B)
- 2= keyed (no SAE)
- 3= Splined (SAE B)
- 4= Splined (SAE BB)



**S=Suction port      P=Pressure port**

⑤ **Direction of rotation**

(view on shaft end)  
 R=clockwise  
 L=counter-clockwise

⑥ **Porting combination**

00=standard

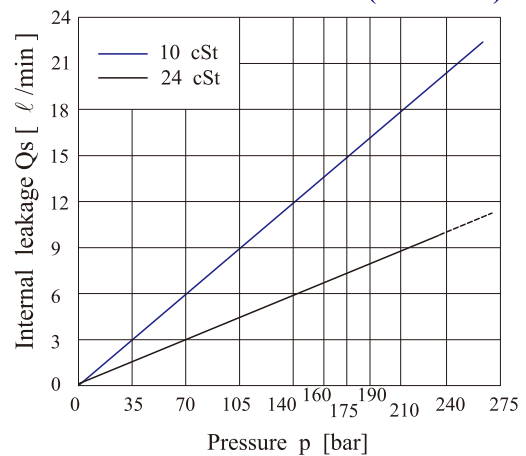
⑦ **Design letter**

⑧ **Seal class**

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

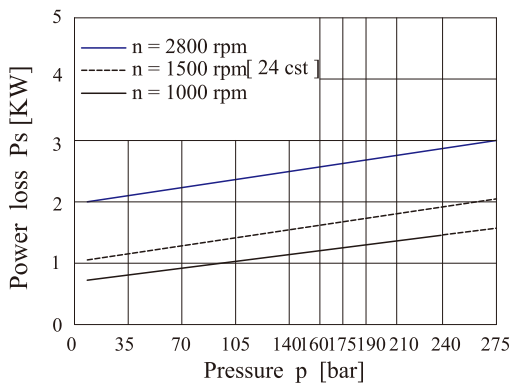
⑨ **Modifications**

**INTERNAL LEAKAGE (TYPICAL)**

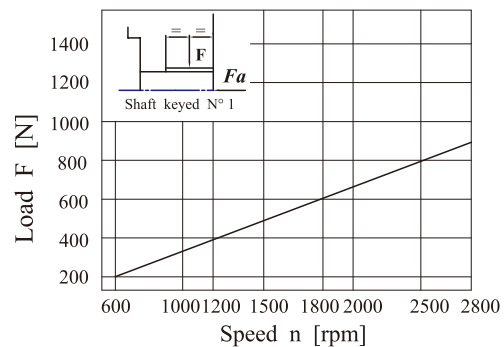


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow.

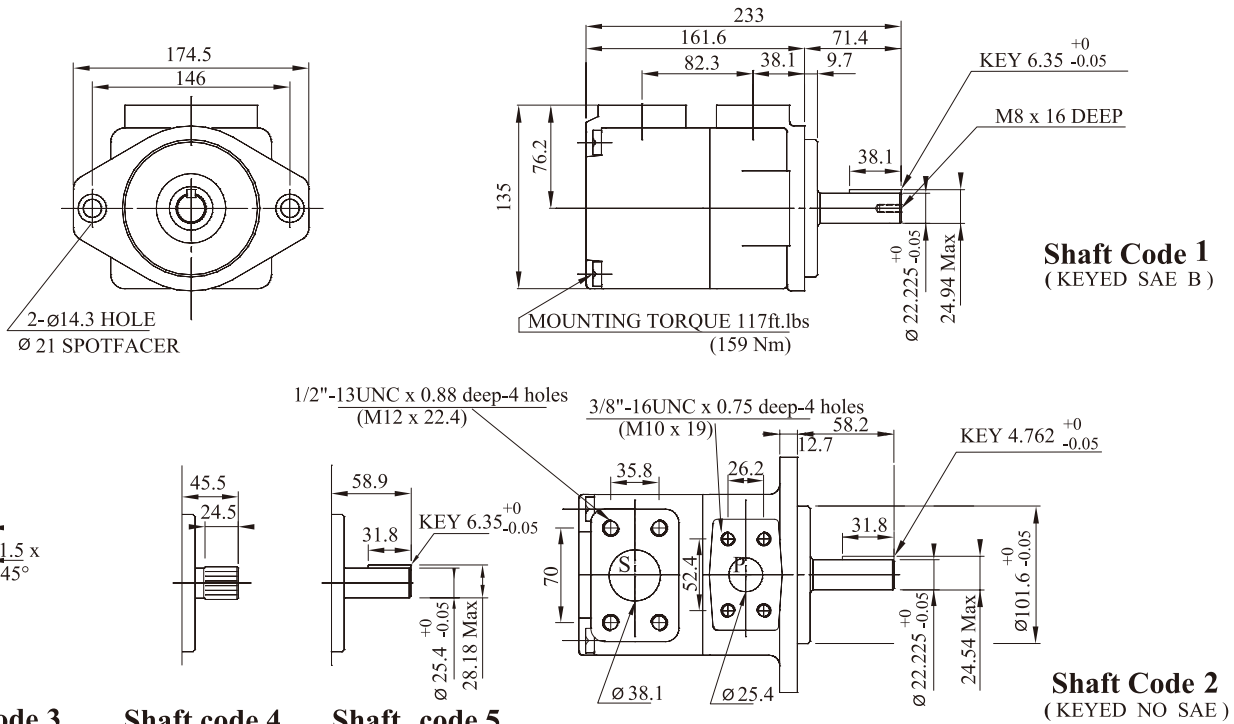
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



**PERMISSIBLE RADIAL LOAD**



Maximum permissible axial load Fa = 800 N



**Shaft code 3**  
SAE B splined shaft  
Class 1-J498 b 16/32  
d.p. -13 teeth 30°  
pressure angle flat root  
side fit

**Shaft code 4**  
SAE BB splined shaft  
Class 1-J498 16/32  
d.p. -15 teeth 30°  
pressure angle flat  
root side fit

**Shaft code 5**

Shaft torque limits(mℓ/rev x bar)		
Pump	Shaft	Vp x p max
<b>KT6CM</b>	1	16500
	2	14300
	3	20600
	4	21821

## KT6CM OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Series	Volumetric Displacement Vp	Speed n [R.P.M]	Flow qve [ ℓ/min ]=1500 rpm			Input power P [KW]=1500 rpm			P Max Kg/cm <sup>2</sup>	Max r.p.m
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar		
005	17.2mℓ/rev	1500	25.8	20.3	15.8	1.4	7.5	12.2	275	2800
006	21.3mℓ/rev	1500	31.9	26.5	22.0	1.5	8.9	14.7		
008	26.4mℓ/rev	1500	39.6	34.1	29.6	1.6	10.7	17.7		
010	34.1mℓ/rev	1500	51.1	45.7	41.2	1.7	13.4	22.3		
012	37.1mℓ/rev	1500	55.6	50.2	45.7	1.7	14.4	24.1		
014	46.0mℓ/rev	1500	69.0	63.5	59.0	1.9	17.6	29.5		
017	58.3mℓ/rev	1500	87.4	82.0	77.5	2.1	21.9	36.9		
020	63.8mℓ/rev	1500	95.7	90.2	85.7	2.2	23.8	40.2		
022	70.3mℓ/rev	1500	105.4	100.0	95.5	2.3	26.1	44.1		
025 1)	79.3mℓ/rev	1500	118.9	113.5	109.0	2.5	29.2	49.5	210	2500
028 1)	88.8mℓ/rev	1500	133.2	127.7	124.5 2)	2.8	32.7	48.5 2)		
031 1)	100.0mℓ/rev	1500	150.0	144.5	141.3 2)	2.8	36.5	54.4 2)		

1) 025 - 028 - 031 = 2500 R.P.M.max

2) 028 - 031 = 210 bar max. int.