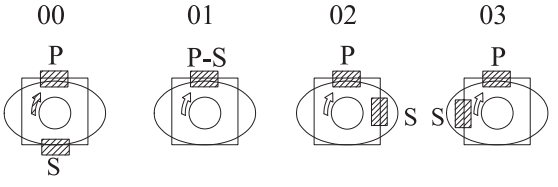
KT6CP/KT6CP1 - B14 - 1 R 00 - B 1 *
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series
KT6CP ：Flange screw M14 / M12
KT6CP1：Flange screw M12 / M10
(Advanced of KCL VQ35)

② Cam ring
Volumetric displacement (cm^3/rev)
B14=46.0
B17=58.3
B20=63.8
B22=70.3
B25=79.3
B28=88.8
B31=100.0

③ Type of shaft
2= keyed (no SAE)

3= Splined (SAE C)



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

④ Direction of rotation
(view on shaft end)
R=clockwise
L=counter-clockwise

⑤ Porting combination
00=standard

⑥ Design letter

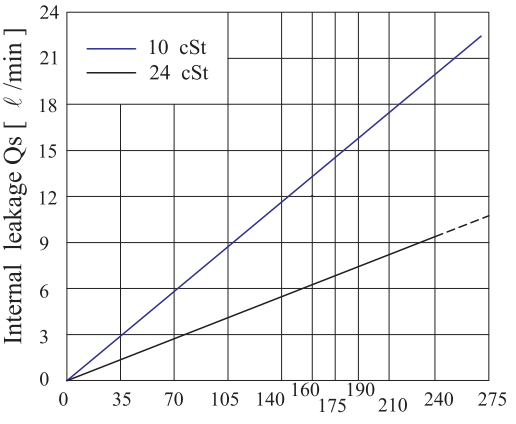
⑦ Seal class
1 = S1 (for mineral oil)

4 = S4 (for fire resistant fluids)

5 = S5 (for mineral oil and fire resistant fluids)

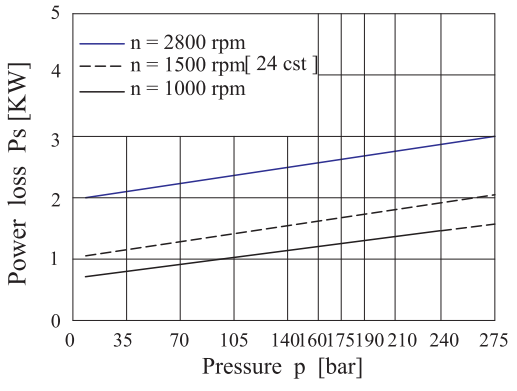
⑧ Modifications

INTERNAL LEAKAGE (TYPICAL)

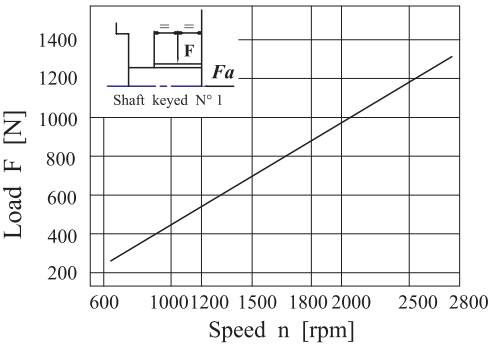


Do not operate pump more than5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow.

HYDROMECHANICAL POWER LOSS (TYPICAL)

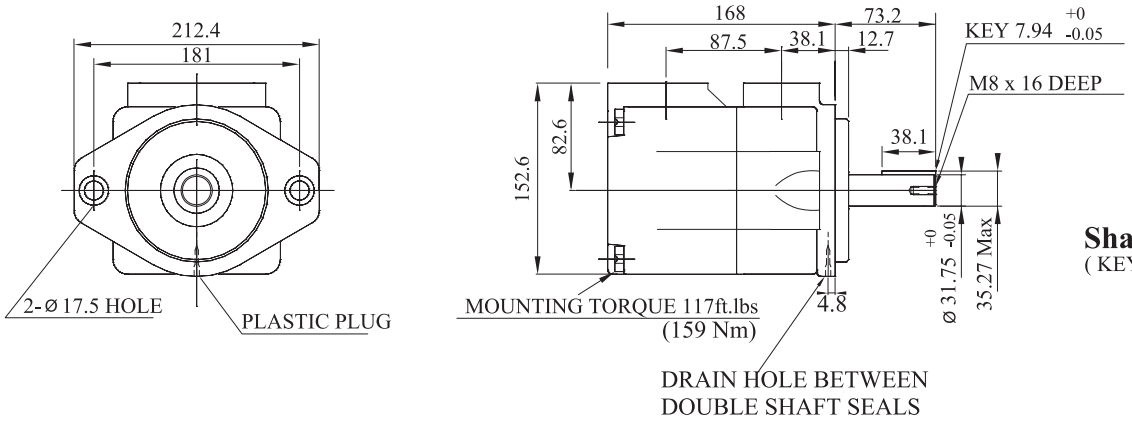


PERMISSIBLE RADIAL LOAD

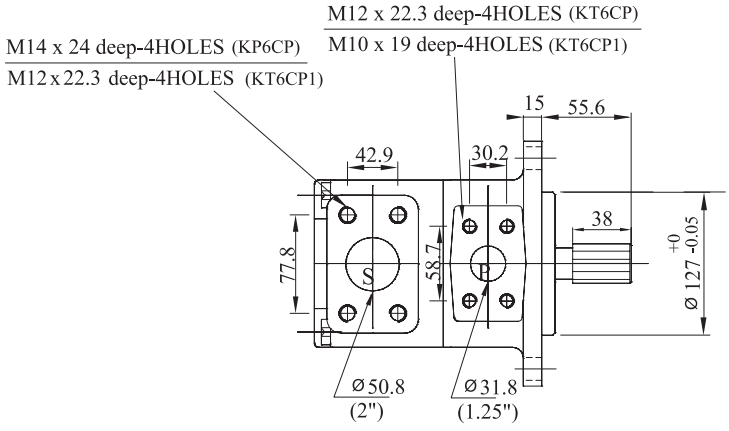


Maximum permissible axial load Fa = 800 N

KT6CP/KT6CP1 Dimensional Drawing



Shaft Code 2
(KEYED NO SAE)



Shaft Code 3

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

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Series	Volumetric Displacement Vp	Flow q [ℓ/min] n=1500 rpm			Input power P [KW] n=1500 rpm			P Max Kg/cm²	Max r.p.m
		p = 0 bar	p = 140 bar	p = 240 bar	p =7 bar	p = 140 bar	p = 240 bar		
B14	46.0 mℓ/rev	69.0	63.5	59.0	1.9	17.6	29.5	275	2800
B17	58.3 mℓ/rev	87.4	82.0	77.5	2.1	21.9	36.9		
B20	63.8 mℓ/rev	95.7	90.2	85.7	2.2	23.8	40.2		
B22	70.3 mℓ/rev	105.4	100.0	95.5	2.3	26.1	44.1		
B25 1)	79.3 mℓ/rev	118.9	113.5	109.0	2.5	29.2	49.5		2500
B28 1)	88.8 mℓ/rev	133.2	127.7	124.5 2)	2.8	32.7	48.5 2)	210	
B31 1)	100.0 mℓ/rev	150.0	144.5	141.3 2)	2.8	36.5	54.4 2)		

1) B25 - B28 - B31 = 2500 R.P.M.max 2) B28 - B31 = 210 bar max. int. Min Speed : 600 rpm