

KT6EM ^{*} **- 066 - 3 R 00 - A 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 (cm³/rev)

042=132.3 062=196.7

045=142.4 066=213.3

050=158.5 072=227.1

052=164.8 085=269.8

057=180.7

④ **Type of shaft**

1 = keyed (SAE CC)

2 = keyed (no SAE)

3 = splined (SAE C)

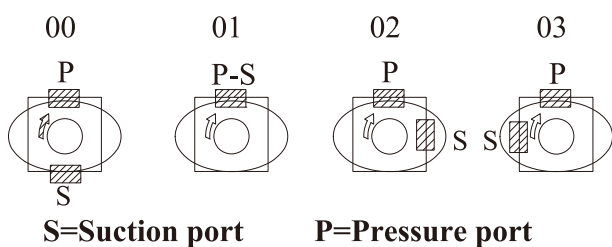
4 = splined (SAE CC)

⑤ **Direction of rotation**

(view on shaft end)

R=clockwise

L=counter-clockwise



⑥ **Porting combination**

00=standard

⑦ **Design letter**

⑧ **Seal class**

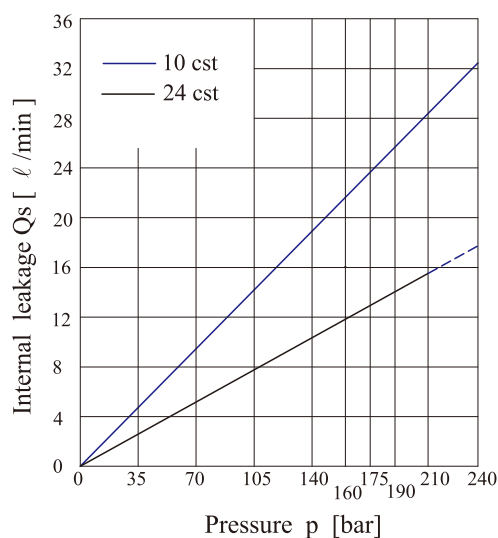
1=S1 (for mineral oil)

4=S4 (for fire resistant fluids)

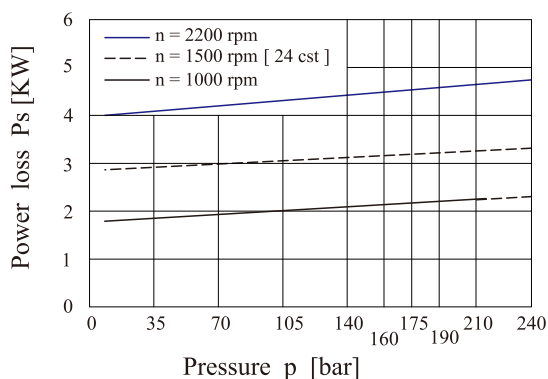
5=S5 (for mineral oil and fire
resistant fluids)

⑨ **Modifications**

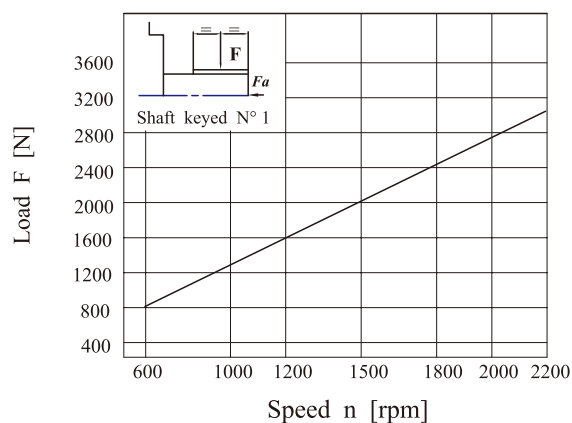
INTERNAL LEAKAGE (TYPICAL)



HYDROMECHANICAL POWER LOSS (TYPICAL)

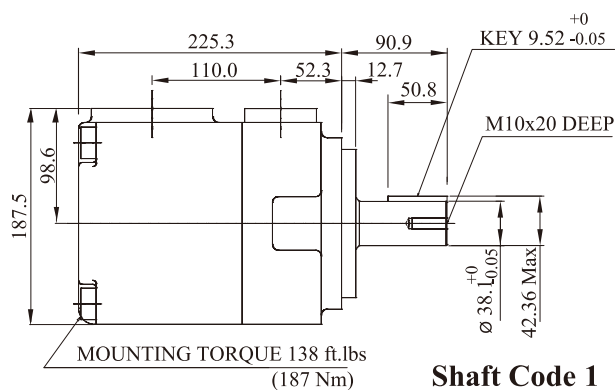
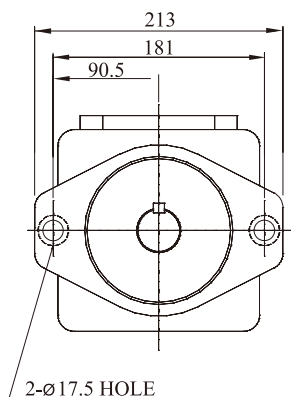


PERMISSIBLE RADIAL LOAD

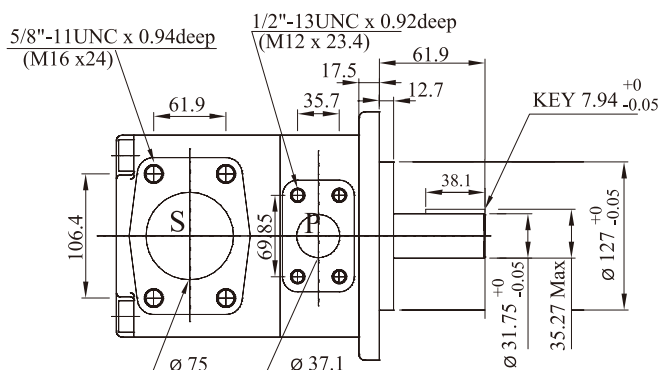
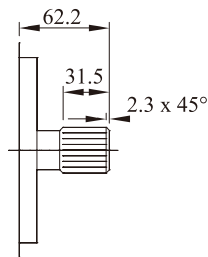
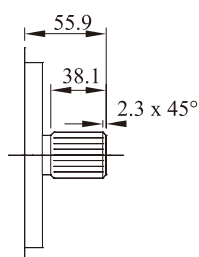


Maximum permissible axial load $F_a = 2000$ N

KT6EM Dimensional Drawing



Shaft Code 1
(Keyed SAE CC)



Shaft code 3

SAE C Splined shaft
class 1 - J498b 12/24
dp. -14 teeth 30°
pressure angle. Flat root
side fit.

Shaft code 4

SAE CC Splined shaft
class 1 - J498b 12/24
dp. -17 teeth 30°
pressure angle. Flat root
side fit.

Shaft Code 2

(Keyed no SAE)

shaft torque limits(mℓ/rev x bar)		
Pump	Shaft	Vp x P max.
KT6EM	1	54555
	2	34590
	3	61200
	4	61200

KT6EM OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Series	Volumetric Displacement Vp	Speed n [R.P.M]	Flow qve [ℓ/min]			Input power P [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		
042	132.3mℓ/rev	1500	198.5	188.5	181.3	5.2	49.4	82.6	240	2200
045	142.4mℓ/rev	1500	213.6	203.6	196.5	5.4	52.9	88.7		
050	158.5mℓ/rev	1500	237.7	227.7	220.6	5.7	58.5	98.3		
052	164.8mℓ/rev	1500	247.2	237.2	230.1	5.8	60.8	102.1		
057	180.7mℓ/rev	1500	271.1	261.1	254.0	6.1	66.4	106.9		
062	196.7mℓ/rev	1500	295.0	285.0	277.9	6.4	71.9	121.3		
066	213.3mℓ/rev	1500	319.9	309.9	302.8	6.7	77.7	131.2		
072	227.1mℓ/rev	1500	340.6	330.6	323.5	6.9	82.6	139.5		
085 ¹⁾	269.8mℓ/rev	1500	404.7 ²⁾	397.7	————	7.3 ²⁾	65.3 ²⁾	————	90	2000

1) 085 = 2000 rpm max.

2) 085 = 75 bar cont. 085=90bar max. int

085=90bar max. int