KT6CC- W - 022 - 008 - 1 R 00 - C 1 00

① ② P1 P2 ④⑤⑥ ⑦⑧⑨

③

① **Series**

② **Use for Severe duty shaft only**

③ **Cam ring for " P1 " & " P2 "**
Volumetric displacement (cm^3/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 (no SAE)
3 = Splind (SAE BB)
5= Splind (SAE B)
W version
2 = keyed (SAE BB)
S = splined (DIN 5462)

⑤ **Direction of rotation**
(view on shaft end)
R = clockwise
L = counter - clockwise

⑥ **Porting combination**
00 = standard

⑦ **Design letter**

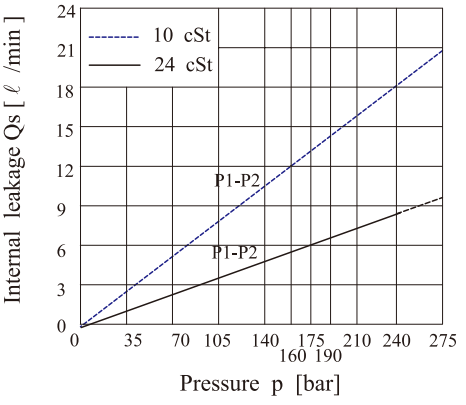
⑧ **Seal class**
1 = S1 (for mineral oil)
4 = S4 (for fire resistant fluids)
5 = S5 (for mineral oil and fire resistant fluids)

⑨ **Mounting W/connection variables**

		P1=1",S=3"		P1=1",S=2 1/2" 2)	
P2		1"	3/4" 1)	1"	3/4" 1)
Code	Unc	00	01	10	11
	Metric	0M	W0	1M	W1

1) for 46 mℓ/rev. max.
2) for 126 mℓ/rev. max.
The large cartridge must be always mounted in the front.

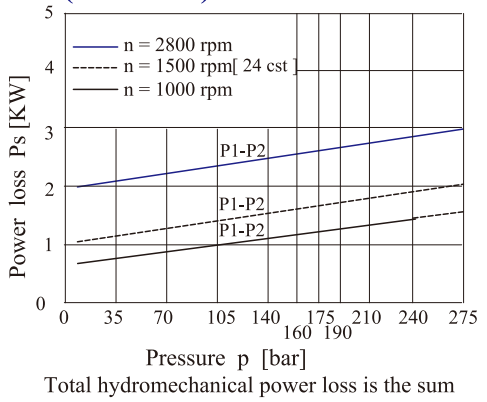
INTERNAL LEAKAGE (TYPICAL)



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

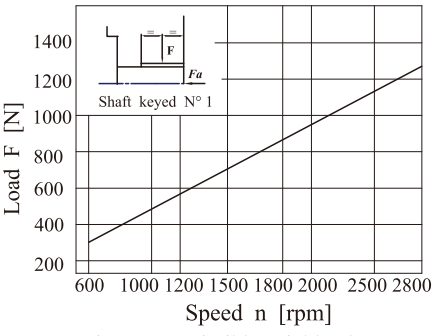
Total leakage is the sum of each section loss at its operating conditions.

HYDROMECHANICALPOWER LOSS (TYPICAL)



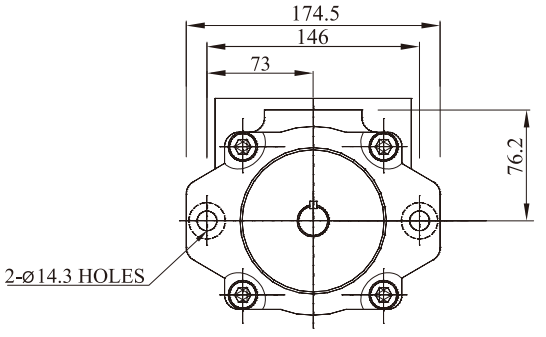
Total hydromechanical power loss is the sum of each section at its operating conditions.

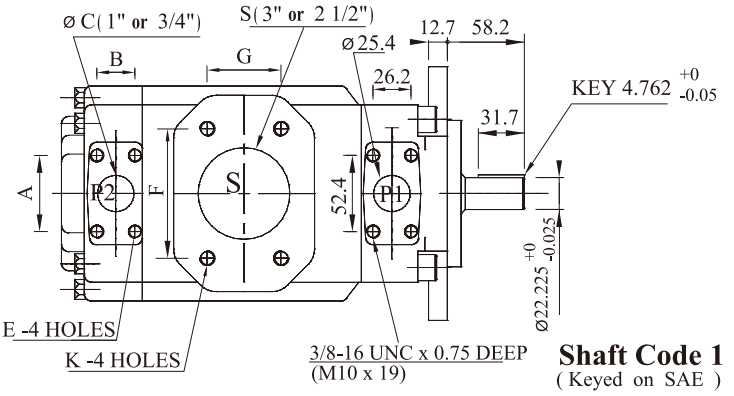
PERMISSIBLE RADIAL LOAD



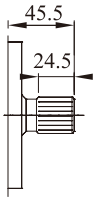
Maximum permissible axial load Fa = 800 N

KT6CC Dimensional Drawing

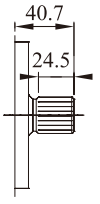




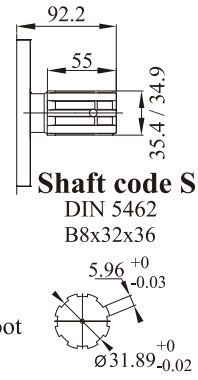
Shaft Code 1
(Keyed on SAE)



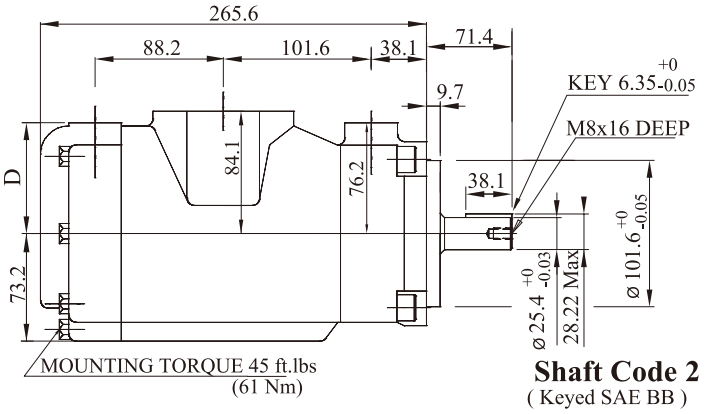
Shaft code 3
SAE BB Splined shaft
class 1 - J498 b 16/32
dp. -15 teeth 30°
pressure angle. Flat root
side fit.



Shaft code 5
SAE B Splined shaft
class 1 - J498 b 16/32
dp. -13 teeth 30°
pressure angle. Flat root
side fit.



Shaft code S
DIN 5462
B8x32x36



Shaft Code 2
(Keyed SAE BB)

Alternate Port								
	S = 3"				S = 2 1/2"			
F	106.4				88.9			
G	61.9				50.8			
øH	76.2				63.5			
Code	00	01	0M	W0	10	11	1M	W1
A	52.4	47.6	52.4	47.6	52.4	47.6	52.4	47.6
B	26.2	22.2	26.2	22.2	26.2	22.2	26.2	22.2
øC	25.4	19.0	25.4	19.0	25.4	19.0	25.4	19.0
D	74.7	76.2	74.7	76.2	74.7	76.2	74.7	76.2
E	3/8"-16UNCx19 deep		M10x19 deep		3/8"-16UNCx19 deep		M10x19 deep	
K	5/8"-11UNCx28.4 deep		M16x28.4 deep		1/2"-13UNCx23.9 deep		M12x24.0 deep	

Shaft torque limits(mℓ/rev x bar)		
Pump	Shaft	Vp x p max.P1+P2
KT6CC	1	14300
	2	21420
	3	32670
	5	20600

KT6CC OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

(input power p (kw) for one cartridge only)

Pressure port	Series	Volumetric Displacement Vp	Flow qve [ℓ/min]1500rpm			Input power P [KW]1500rpm			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		
P1 & P2	005	17.2mℓ/rev	25.8	20.3	15.8	1.4	7.5	12.2	275	2800
	006	21.3mℓ/rev	31.9	26.5	22.0	1.5	8.9	14.7		
	008	26.4mℓ/rev	39.6	34.1	29.6	1.6	10.7	17.7		
	010	34.1mℓ/rev	51.1	45.7	41.2	1.7	13.4	22.3		
	012	37.1mℓ/rev	55.6	50.2	45.7	1.7	14.4	24.1		
	014	46.0mℓ/rev	69.0	63.5	59.0	1.9	17.6	29.5		
	017	58.3mℓ/rev	87.4	82.0	77.5	2.1	21.9	36.9		
	020	63.8mℓ/rev	95.7	90.2	85.7	2.2	23.8	40.2		
	022	70.3mℓ/rev	105.4	100.0	95.5	2.3	26.1	44.1		
	025 1)	79.3mℓ/rev	118.9	113.5	109.0	2.5	29.2	49.5		2500
	028 1)	88.8mℓ/rev	133.2	127.7	124.5 2)	2.8	32.7	48.5 2)	210	
	031 1)	100.0mℓ/rev	150.0	144.5	141.3 2)	2.8	36.5	54.4 2)		

1) 025 - 028 - 031 = 2500 rpm. max 2) 028 - 031 = 210 bar max. int. Min Speed : 600 rpm