

KT6CR \* - 025 - 1 R 00 - A 1 0 - A 1 ..  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

① **Series**

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

③ **Cam ring**

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

003=10.8	017=58.3
005=17.2	020=63.8
006=21.3	022=70.3
008=26.4	025=79.3
010=34.1	028=88.8
012=37.1	031=100.0
014=46.0	

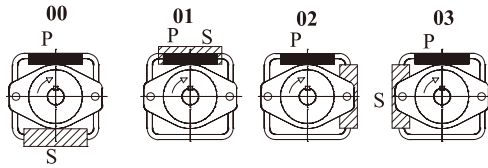
④ **Type of shaft**

1 = keyed (SAE BB)	2 = keyed (No SAE)
3 = splined (SAE B)	4 = splined (SAE BB)
5 = keyed (no SAE)	

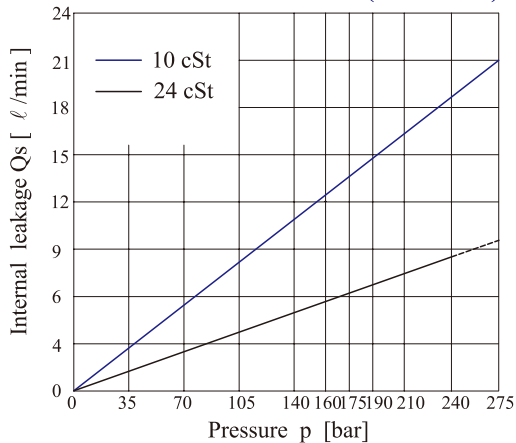
⑤ **Direction of rotation**

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

⑥ **Porting combination**

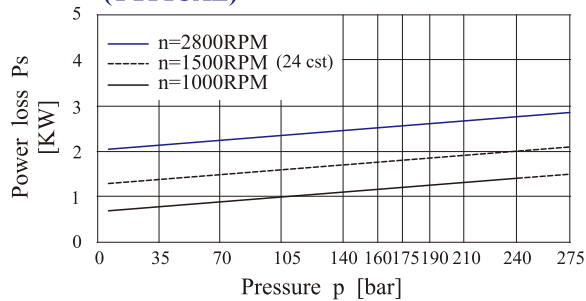


**INTERNAL LEAKAGE (TYPICAL)**



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

**HYDROMECHANICAL POWER LOSS (TYPICAL)**



⑦ **Adapter**

0 = None      B = SAE B  
 A = SAE A

⑧ **Coupling**

1 = SAE A      5 = SAE J498b  
 2 = SAE B      16/32 - 11 teeth  
 3 = SAE BB

⑨ **Porting adapter**

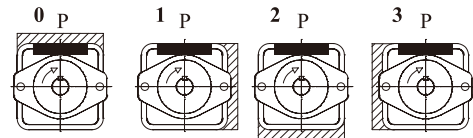
⑩ **Design letter**

⑪ **Seal class**

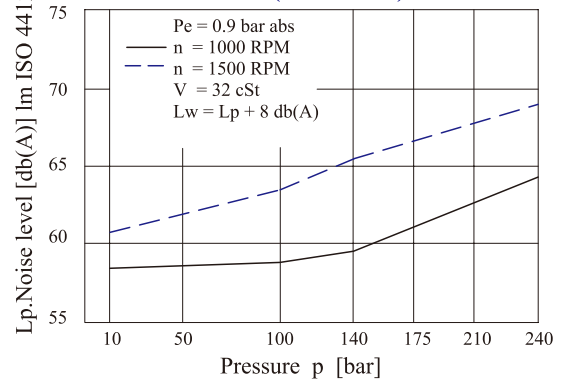
1=S1 (for mineral oil)  
 4=S4 (for fire resistant fluids)  
 5=S5 (for mineral oil and fire resistant fluids)

⑫ **Modification**

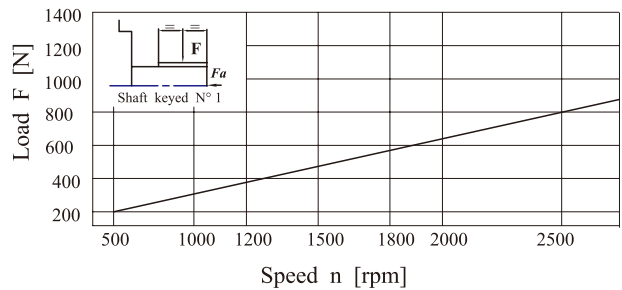
**Porting adapter**



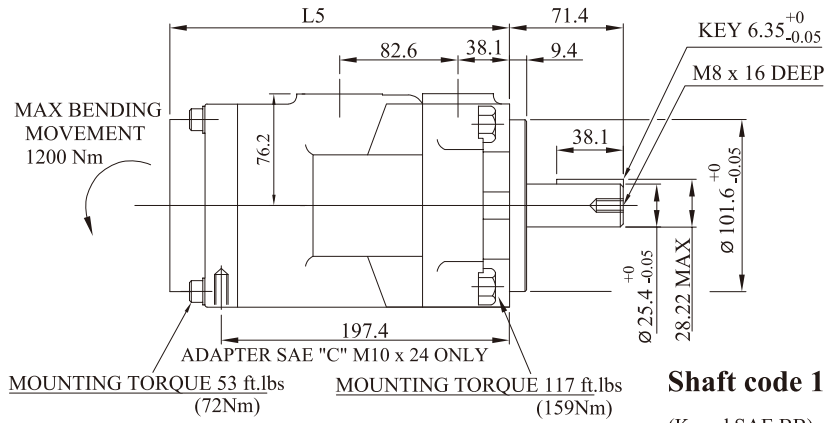
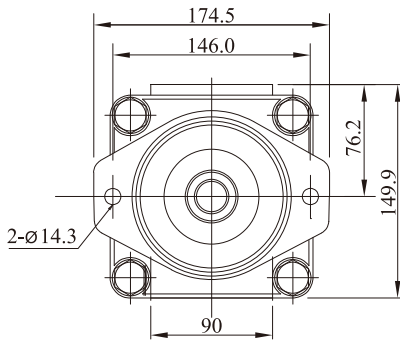
**NOISE LEVEL (TYPICAL) T6CR-022**



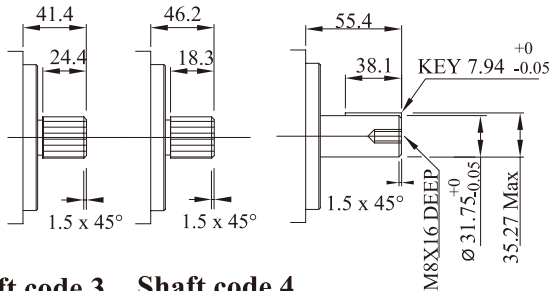
**PERMISSIBLE RADIAL LOAD**



Maximum axial load permissible Fa = 800 N



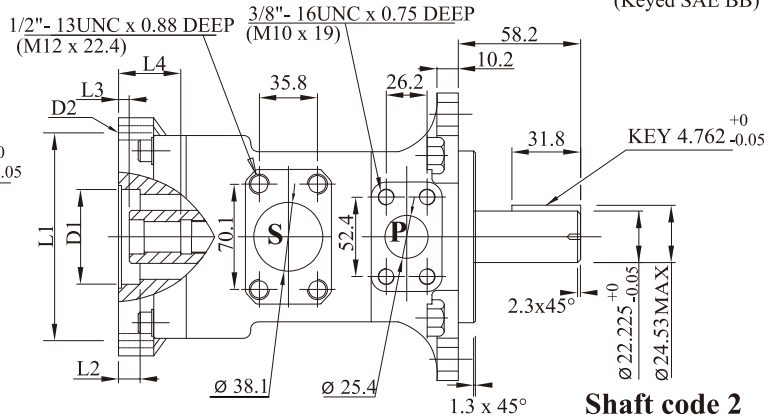
**Shaft code 1**  
(Keyed SAE BB)



**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 b  
16/32 d.p.-15 teeth  
30° pressure angle  
flat root side fit

**Shaft code 5**  
(Keyed no SAE)



**Shaft code 2**  
(Keyed no SAE)

Shaft torque limits (mℓ/rev x bar)			
Shaft	V x p max.	Coupling drive	V x p max.
1	21420	SAE A	11000
2	14300	SAE B	20600
3	20600	SAE BB	22050
4	32670		
5	34180	SAE -11 teeth	15850

Adapter	SAE A			SAE B	
	SAE A	SAE 11 teeth	SAE B	SAE B	SAE BB
Coupling drive	9	11	13	13	15
Number of teeth	16/32	16/32	16/32	16/32	16/32
Pitch	30°	30°	30°	30°	30°
Pressure angle	15.875	19.05	22.225	22.225	25.40
Major dia.(min)	12.70	16.00	19.125	19.125	22.275
Minor dia.(min)					

Adapter	D1	D2	P	L1	L2	L3	L4	L5
SAE A	82.6	M10	24	106.4	11.0	7.9	32.0	209.0
SAE B	101.65	M12	28	146.0	16.0	7.9	46.0	223.0

## OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Volumetric Displacement Vp	Flow q&n [ ℓ/min ] 1500rpm			Input power P [KW] 1500rpm			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		
P1	003	10.8mℓ/rev	16.2	11.2	7.7	1.3	5.3	8.4	275	2800
	005	17.2mℓ/rev	25.8	20.8	17.3	1.4	7.5	12.2		
	006	21.3mℓ/rev	31.9	26.9	23.4	1.5	8.9	14.7		
	008	26.4mℓ/rev	39.6	34.6	31.1	1.6	10.7	17.7		
	010	34.1mℓ/rev	51.1	46.1	42.6	1.7	13.4	22.3		
	012	37.1mℓ/rev	55.6	50.6	47.1	1.7	14.4	24.1		
	014	46.0mℓ/rev	69.0	64.0	60.5	1.9	17.6	29.5		
	017	58.3mℓ/rev	87.4	82.4	78.9	2.1	21.9	36.9		
	020	63.8mℓ/rev	95.7	90.7	87.2	2.2	23.8	40.2		
	022	70.3mℓ/rev	105.4	100.4	96.9	2.3	26.1	44.1		
	025 1)	79.3mℓ/rev	118.9	113.9	110.4	2.5	29.2	49.5		
	028 1)	88.8mℓ/rev	133.2	128.2	125.8 2)	2.8	32.7 2)	48.5 2)	210	2500
031 1)	100.0mℓ/rev	150.0	145.0	142.6 2)	2.8	36.5 2)	54.5 2)			

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

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

Port connection can be furnished with metric threads.