

KT6ER \* - 066 - 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)

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)
- 3 = splined (SAE C)
- 4 = splined (SAE CC)

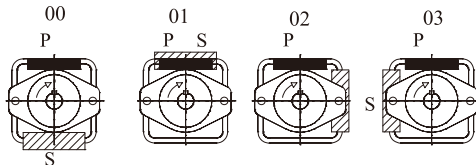
⑤ **Direction of rotation**

(view on shaft end)

R=clockwise

L=counter-clockwise

⑥ **Porting combination**



⑦ **Adapter**

- 0 = None
- A = SAE A
- B = SAE B
- C = SAE C

⑧ **Coupling**

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

⑨ **Porting adapter**

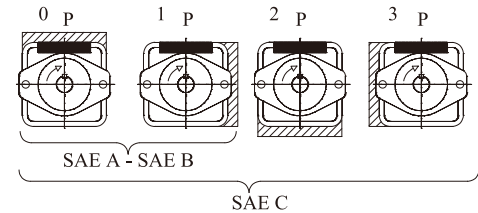
⑩ **Design letter**

⑪ **Seal class**

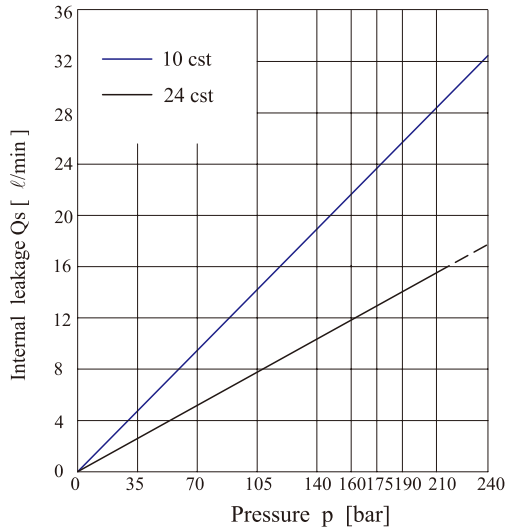
- 1=S1 (for mineral oil)
- 4=S4 (for fire resistant fluids)
- 5=S5 (for mineral oil and fire resistant fluids)

⑫ **Modification**

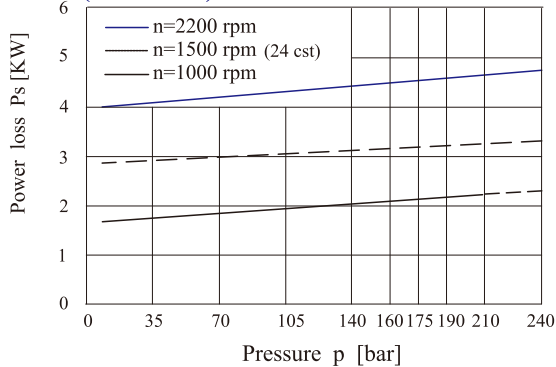
Porting adapter



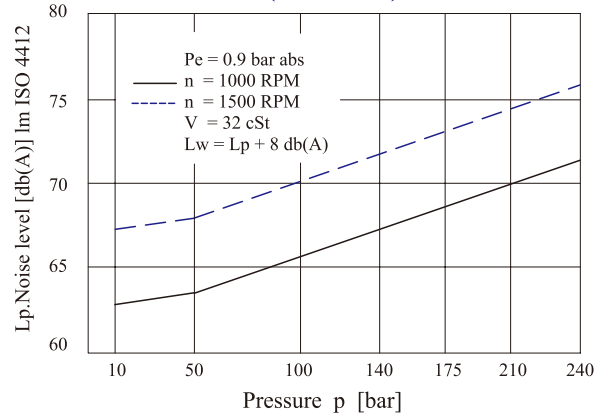
**INTERNAL LEAKAGE (TYPICAL)**



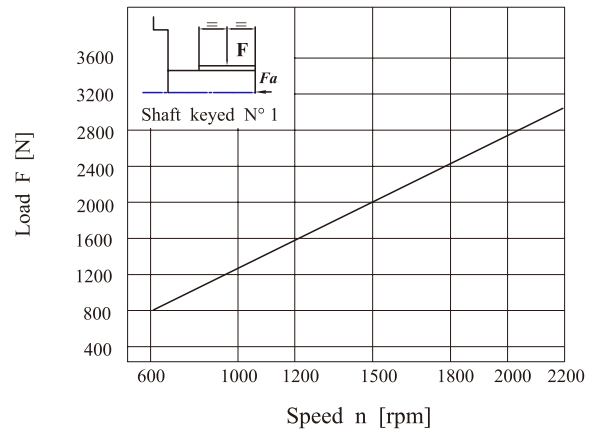
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



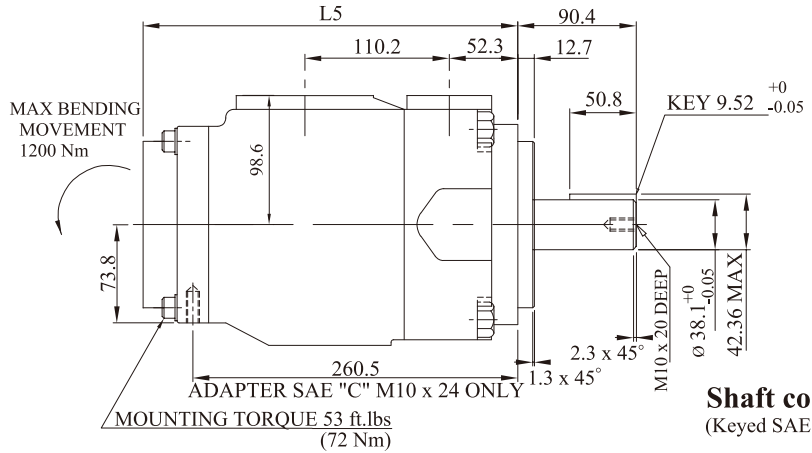
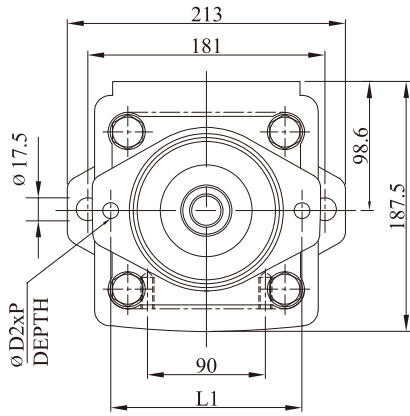
**NOISE LEVEL (TYPICAL) T6ER-050**



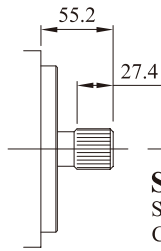
**PERMISSIBLE RADIAL LOAD**



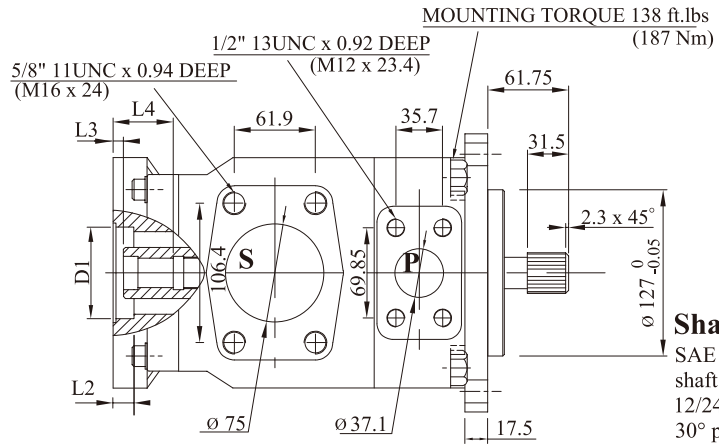
Maximum permissible axial load Fa = 2000 N



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



**Shaft code 3**  
SAE C splined shaft  
Class 1-J498 b  
12/24 dp.-14 teeth  
30° pressure angle  
flat root side fit



**Shaft code 4**  
SAE CC splined shaft Class 1-J498 b  
12/24 dp.-17 teeth  
30° pressure angle  
flat root side fit

Shaft torque limits (mℓ/rev x bar)			
Shaft	V x p max.	Coupling drive	Vp x p max.
1	80560	SAE A	11000
3	61200	SAE B	20600
4	120210	SAE BB	32670
		SAE C	66480
		SAE -11 teeth	15850

Adapter	SAE "A"			SAE "B"		SAE "C"
	SAE A	SAE 11 teeth	SAE B	SAE B	SAE BB	SAE C
Coupling drive	9	11	13	13	15	14
Number of teeth	16/32	16/32	16/32	16/32	16/32	12/24
Pitch	30°	30°	30°	30°	30°	30°
Pressure angle	15.875	19.05	22.225	22.225	25.400	31.750
Major dia.(min)	12.700	16.0	19.134	19.134	22.268	27.585
Minor dia.(min)						

Adapter	D1	D2	P	L1	L2	L3	L4	L5
SAE A	82.65/82.60	M10	24	106.4	11.0	7.9	32.0	272.0
SAE B	101.70/101.65	M12	28	146.0	16.0	7.9	46.0	286.0
SAE C	127.10/127.05	M16	—	181.0	16.0	7.9	56.0	296.0

## 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/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		
042	132.3 mℓ/rev	198.5	188.5	181.3	5.2	49.4	82.6	240	2200
045	142.4 mℓ/rev	213.6	203.6	196.5	5.4	52.9	88.7		
050	158.5 mℓ/rev	237.7	227.7	220.6	5.7	58.5	98.3		
052	164.8 mℓ/rev	247.2	237.2	230.1	5.8	60.8	102.1		
057	180.7 mℓ/rev	271.1	261.1	254.0	6.1	66.4	106.9		
062	196.7 mℓ/rev	295.0	285.0	277.9	6.4	71.9	121.3		
066	213.3 mℓ/rev	319.9	309.9	302.8	6.7	77.7	131.2		
072	227.1 mℓ/rev	340.6	330.6	323.5	6.9	82.6	139.5		
085 1,2)	269.8 mℓ/rev	404.7	397.7	—	7.3	65.3	—	90	2000

1) 085=2000 rpm max.

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

Min Speed : 600 rpm