

KT6EDCS - 066 - 038 - 008 - 1 R 00 - C 1 - P - 0 - *



① Series

② Cam ring for " P1 "

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	

Cam ring for " P2 "

014=47.6	035=111.0
017=58.2	038=120.3
020=66.0	042=136.0
024=79.5	045=145.7
028=89.7	050=158.0
031=98.3	061=190.5

Cam ring for " P3 "

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	

③ Type of shaft

- 1 - Keyed (G45N-ISO 3019-2)
- 2 - Keyed (SAE D & E)
- 3 - Splined

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 Mounting (pump)

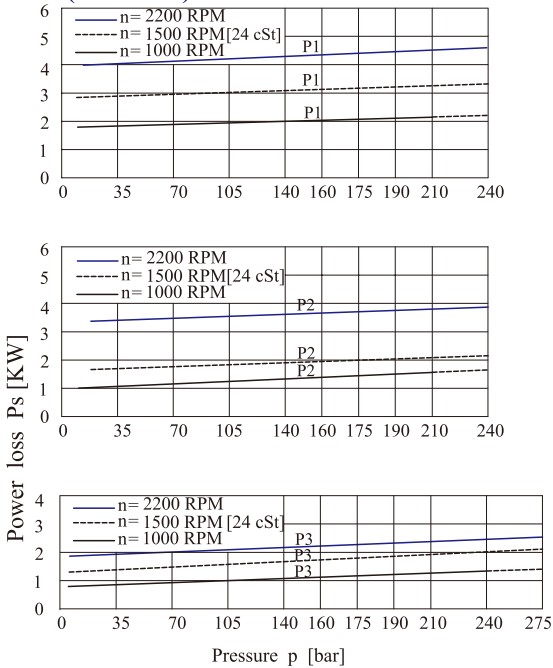
- P=Pedestal mounting
- F=Face mounting

⑨ Mounting W/connection variables

- 0=P3=1" SAE
- 1=P3=3/4" SAE

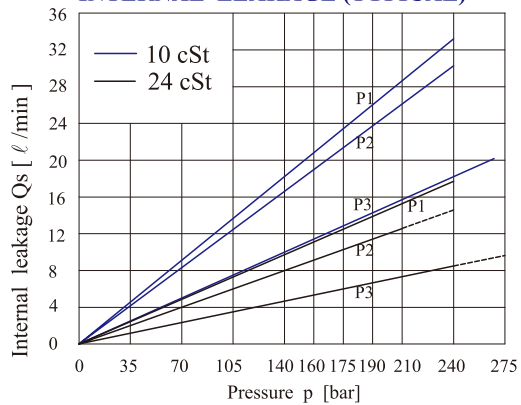
⑩ Modifications

HYDROMECHANICAL POWER LOSS (TYPICAL)

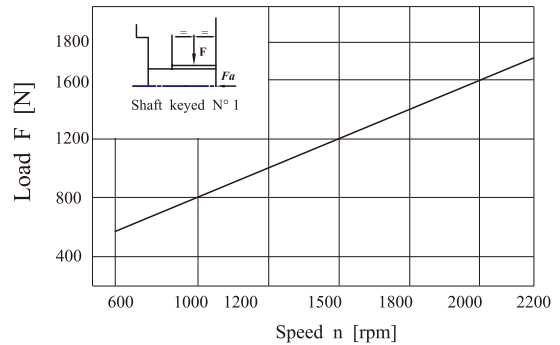


Total hydromechanical power loss is the sum of each section at its operating conditions.

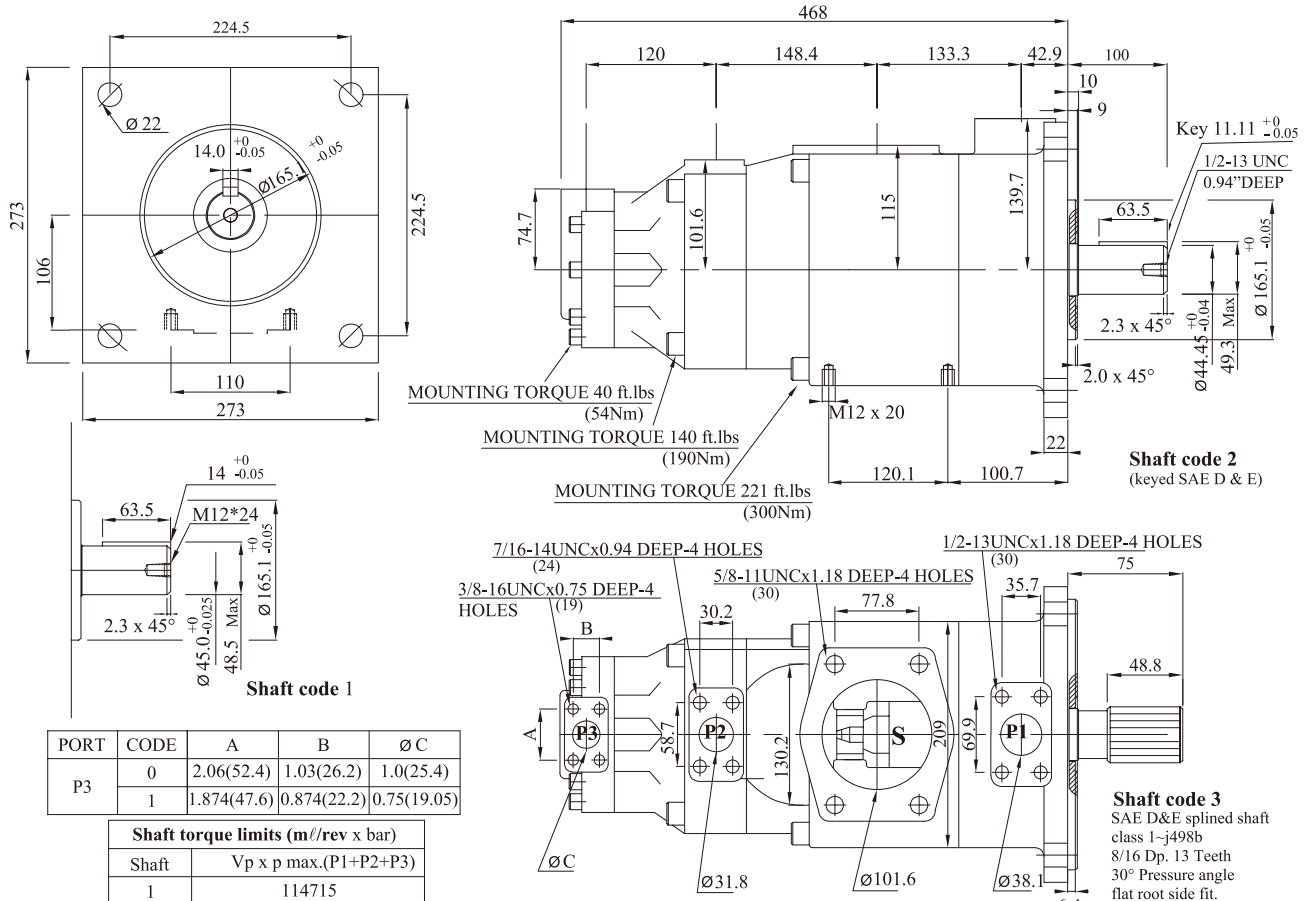
INTERNAL LEAKAGE (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 2000 N



OPERATING CHARACTERISTICS - TYPICAL (24 cSt) (input power p (kw) for one cartridge only)

Pressure Port	Series	Volumetric Displacement Vp cm ³ /rev	Flow q & n = 1500rpm (ℓ/min)			Input power p & n = 1500rpm (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			
P1	042	132.3	198.5	188.5	181.3	5.2	49.4	82.6	240	2200	
	045	142.4	213.6	203.6	196.5	5.4	52.9	88.7			
	050	158.5	237.7	227.7	220.6	5.7	58.5	98.3			
	052	164.8	247.2	237.2	230.1	5.8	60.8	102.1			
	057	180.7	271.1	261.1	254.0	6.1	66.4	106.9			
	062	196.7	295.0	285.0	277.9	6.4	71.9	121.3			
	066	213.3	319.9	309.9	302.8	6.7	77.7	131.2			
	072	227.1	340.6	330.6	323.5	6.9	82.6	139.5			
	085 1)	269.8	404.7	397.7 2)	—	7.3	65.3 2)	—			90
P2	014	47.6	71.4	62.1	55.9	2.3	18.5	30.6	240	2200	
	017	58.2	87.3	78.0	71.8	2.5	22.2	37.0			
	020	66.0	99.0	89.7	83.5	2.8	24.9	41.7			
	024	79.5	119.3	110.0	103.8	3.0	29.6	49.8			
	028	89.7	134.5	125.2	119.0	3.2	33.2	55.9			
	031	98.3	147.5	138.1	131.9	3.3	36.2	61.0			
	035	111.0	166.5	157.2	151.0	3.5	40.7	68.7			
	038	120.3	180.4	171.1	164.9	3.7	43.9	74.3			
	042	136.0	204.0	194.7	188.5	4.0	49.4	83.7			
	045	145.7	218.5	209.2	203.0	4.1	52.8	89.5			
	050	158.0	237.0	227.7	224.0 3)	4.4	57.0	85.0 3)			210
	061	190.5	285.7	278.0 4)	—	4.6	60.6 4)	—			120
P3	003	10.8	16.2	11.2	7.7	1.3	5.3	8.4	275	2200	
	005	17.2	25.8	20.8	17.3	1.4	7.5	12.2			
	006	21.3	31.9	26.9	23.4	1.5	8.9	14.7			
	008	26.4	39.6	34.6	31.1	1.6	10.7	17.7			
	010	34.1	51.1	46.1	42.6	1.7	13.4	22.3			
	012	37.1	55.6	50.6	47.1	1.7	14.4	24.1			
	014	46.0	69.0	64.0	60.5	1.9	17.6	29.5			
	017	58.3	87.4	82.4	78.9	2.1	21.9	36.9			
	020	63.8	95.7	90.7	87.2	2.2	23.8	40.2			
	022	70.3	105.4	100.4	96.9	2.3	26.1	44.1			
	025	79.3	118.9	113.9	110.4	2.5	29.2	49.5			
	028	88.8	133.2	128.2	125.8 3)	2.8	32.7	48.5 3)			210
	031	100.0	150.0	145.0	142.6 3)	2.8	36.5	54.2 3)			

1) 085=2000RPM max. 2) 085=75 bar cont. 085=90 bar max. int. 3) 028-031-050=210 bar max.
 4) 061=120 bar max. int. 061=80 bar cont.