

52SMP – C58 – B50 – 1 R 00 – A 1 – M0 *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Series

52 : 5"安裝 (雙聯泵)

SMP : 節能使用泵

② Cam ring for "P1" (流量)

Volumetric displacement (cm³/rev)

C58 = 58.3 C70 = 70.3

C63 = 63.8 C79 = 79.3

③ Cam ring for "P2" (流量)

Volumetric displacement (cm³/rev)

B16 =15.9 B28 =28.0 B41 =40.9

B22 =22.5 B32 =31.8 B45 =45.1

B25 =24.9 B35 =34.9 B50 =50.0

④ Type of shaft (心軸種類)

1= Keyed (ϕ 31.75 key 7.94 x 38.1)

⑤ Direction of rotation (轉向)

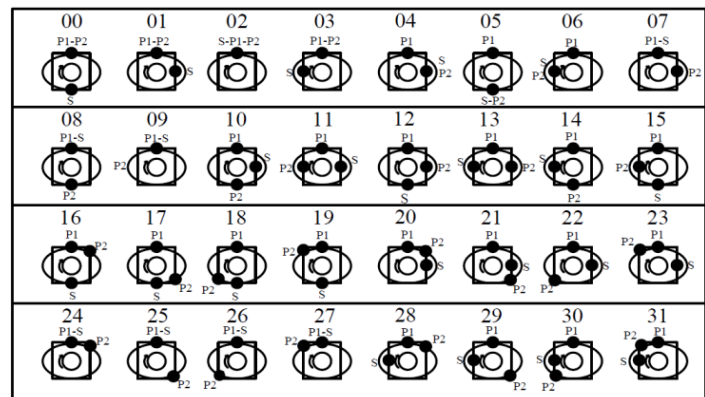
(view on shaft end)

R = clockwise (正轉)

L = counter-clockwise (反轉)

⑥ Porting combination (油口組合，面對心軸)

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

M0 = 公制牙

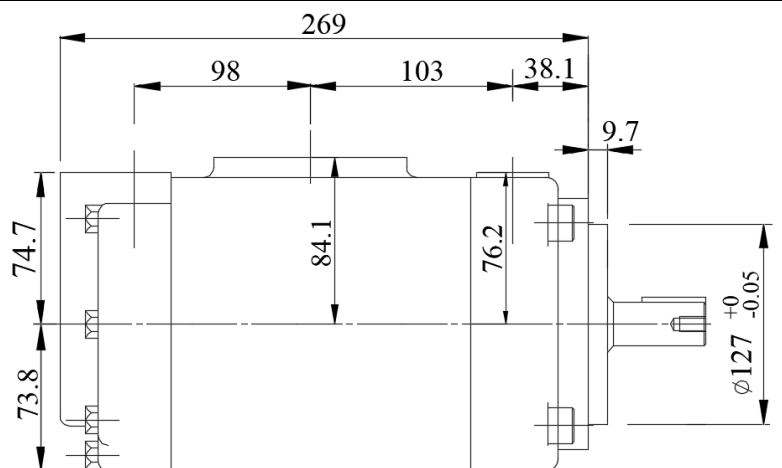
(P1 & P2 = 1" , S = 3")

⑩ Modifications

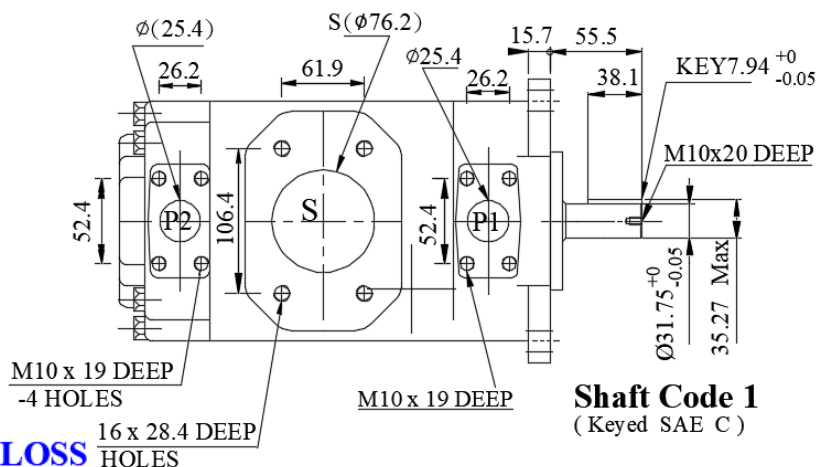
Operating Characteristics – Typical [24cSt]

(泵重 : 34.9 Kg)

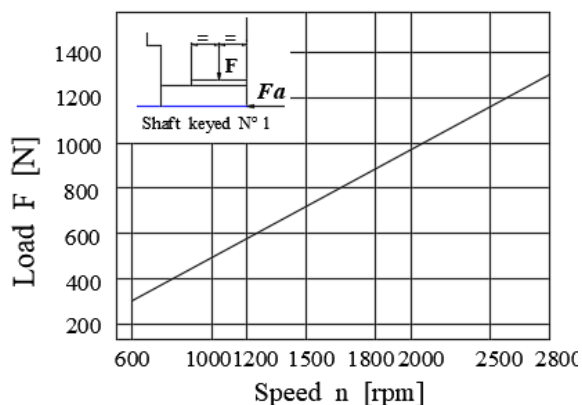
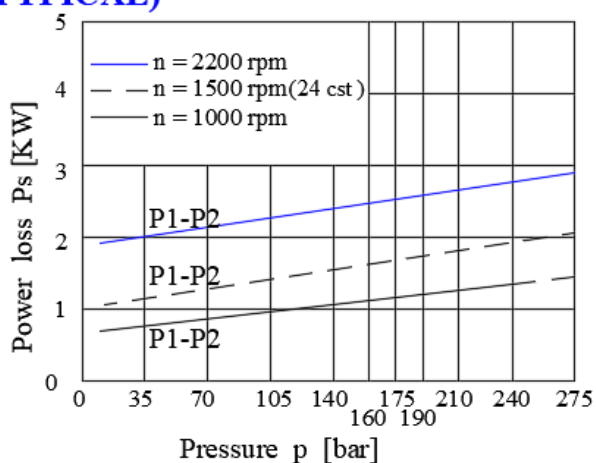
Pressure Port	Series	Volumetric Displacement Vp	Flow qve = 1800 rpm (ℓ/min)			Input power P = 1800 rpm(KW)			P Max Kgf/cm²	Max r.p.m
		Cm³/rev	P=0 bar	P=140 bar	P=275 bar	P=7 bar	P=140 bar	P=275 bar		
P1	58	58.3	104.8	99.9	95.3	2.55	25.95	44.54	275	2500
	63	63.8	114.7	109.8	105.2	2.66	28.23	48.52		
	73	70.3	126.4	121.5	116.9	2.8	30.92	53.22		
	79	79.3	142.5	137.6	133.1	2.99	34.64	59.74		
P2		Cm³/rev	P=0 bar	P=140 bar	P=320 bar	P=7 bar	P=140 bar	P=320 bar	320	
	16	28.6	26.9	24.7	24.7	0.76	7.17	16.12		
	22	22.5	40.4	38.8	36.5	0.89	9.91	22.47		
	25	24.9	44.7	43.1	40.9	0.94	10.9	24.78		
	28	28.0	50.3	48.6	46.4	1.01	12.19	27.77		
	32	31.8	57.2	55.5	53.4	1.11	13.75	31.42	300	
	35	34.9	62.9	61.2	59.0	1.15	15.04	32.22		
	41	40.9	73.7	72.1	70.1	1.28	17.56	37.71		
	45	45.1	80.8	79.2	77.0	1.36	19.23	41.37		
	50	50.0	89.8	88.3	86.5	1.47	21.28	42.76	280	



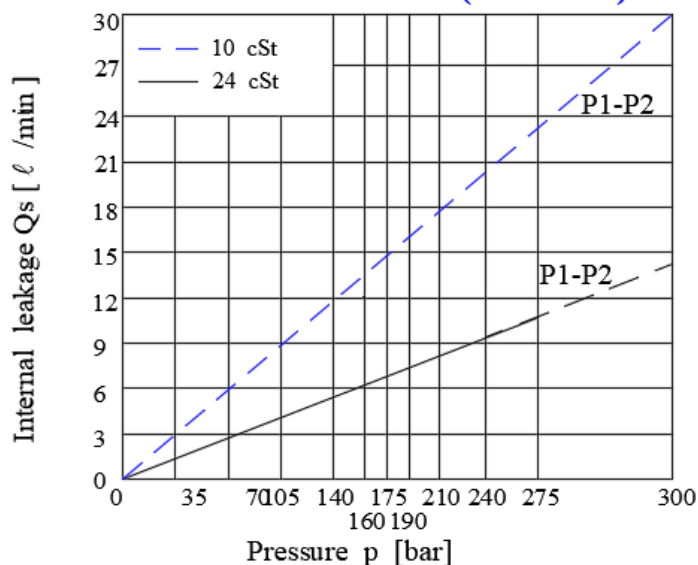
心軸扭力限制 (mL/rev x bar)		
Pump	Shaft	Vp x P max
52SMP	1	34590



HYDROMECHANICAL POWER LOSS (TYPICAL)



Maximum permissible axial load $F_a = 800 \text{ N}$



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