

54SMP - D66 - C26 - 1 R 00 - A 1 - M0 *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Series

54 : 5" 安裝(雙聯泵)
SMP : 節能使用泵

② Cam ring for "P1" (流量)

Volumetric displacement (cm³/rev)
D66=66.0 D113=113.4
D81=81.1 D120=120.6
D90=89.9 D137=137.5
D99=99.1

③ Cam ring for "P2" (流量)

Volumetric displacement (cm³/rev)
C26=26.4 C46 =46.0
C34=34.1 C58 =58.3
C37=37.1 C63 =63.8

④ Type of shaft (心軸種類)

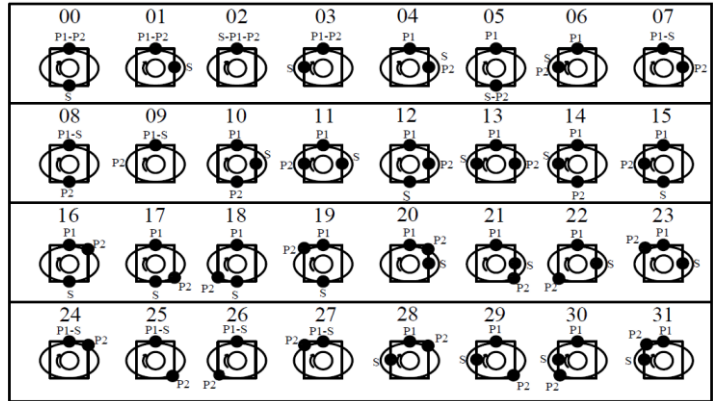
1= Keyed (φ 31.75 key 7.94 x 49.3)
2= Keyed (φ 34.90 key 7.94 x 57.0)

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

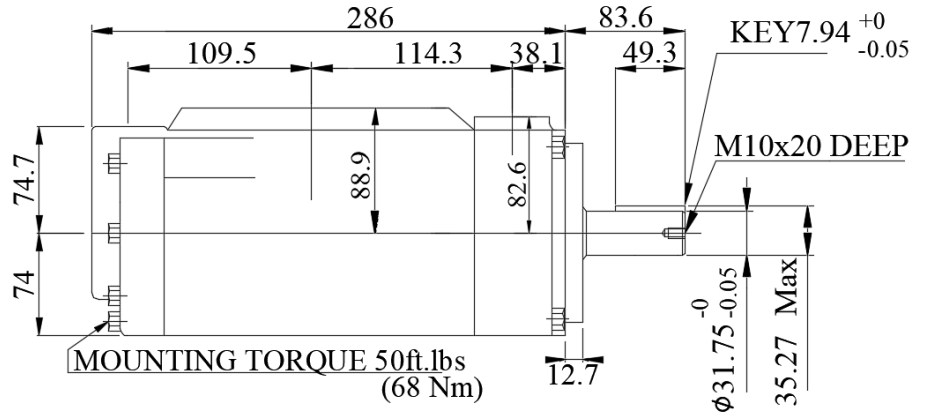
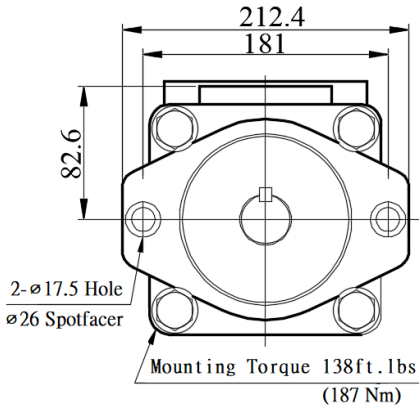
M0 = 公制牙
(P1=1¹/₄" , P2 = 1" , S = 3")

⑩ Modifications

Operating Characteristics – Typical [24cSt]

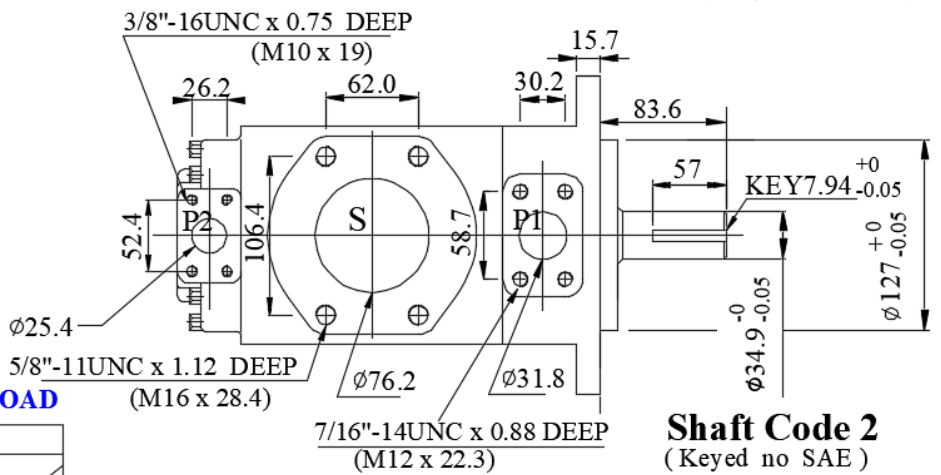
(泵重 : 38.2 Kg)

Pressure Port	Series	Volumetric Displacement Vp Cm ³ /rev	Flow qve = 1800 rpm (ℓ/min)			Input power P = 1800rpm (KW)			P Max Kgf/cm ²	Max r.p.m
			P=0 bar	P=140 bar	P=250 bar	P=7 bar	P=140 bar	P=250 bar		
P1	66	66.0	118.6	112.0	106.8	3.0	29.8	50.9	300	2500
	81	81.1	145.8	139.2	134.0	3.4	36.1	61.9		
	90	89.9	161.8	155.2	150.0	3.5	39.7	68.3		
	99	99.1	178.3	171.7	166.5	3.7	43.6	75.0		
	113	113.4	203.9	197.2	192.0	4.0	49.4	85.3		
	120	120.6	216.8	210.2	204.9	4.2	52.4	90.5		
	137	137.5	247.2	240.6	235.4	4.5	59.4	102.7		
P2		Cm ³ /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	275	2500
	26	26.4	47.4	42.6	30.72	1.89	12.75	26.16		
	34	34.1	61.3	56.4	44.64	2.06	15.94	33.0		
	37	37.1	66.7	61.8	50.04	2.11	17.18	35.4		
	46	46.0	82.7	77.8	66.0	2.3	20.87	43.8		
	58	58.3	104.8	99.9	88.2	2.55	25.95	54.84		
	63	63.8	114.7	109.8	98.04	2.66	28.23	59.76		



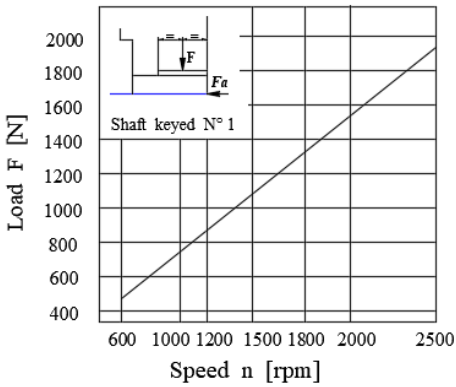
Shaft Code 1
(Keyed SAE C)

心軸扭力限制 (mL/rev x bar)		
Pump	Shaft	Vp x P max
54SMP	1	43240
	2	55600



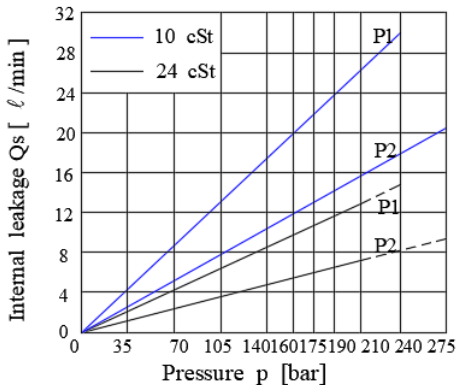
Shaft Code 2
(Keyed no SAE)

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load $F_a = 1200$ N

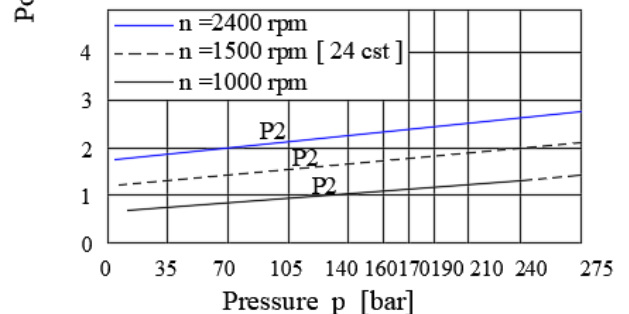
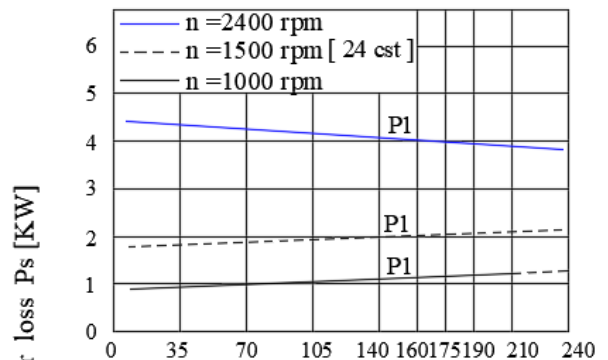
INTERNAL LEAKAGE (TYPICAL)



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.

HYDROMECHANICAL POWER LOSS (TYPICAL)



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