

55SMP – D81 – D66 – 1 R 00 – A 1 – M0 \*

①                      ②                      ③                      ④ ⑤ ⑥                      ⑦ ⑧                      ⑨ ⑩

① Series

55 : 5" 安裝(雙聯泵)  
SMP : 節能使用泵

② Cam ring for "P1" (流量)

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

D66=66.0                      D113=113.4  
D81=81.1                      D120=120.6  
D90=89.9                      D137=137.5  
D99=99.1

④ Type of shaft (心軸種類)

1= Keyed (φ 38.1 key 9.52 x 55.0)

⑤ Direction of rotation (轉向)

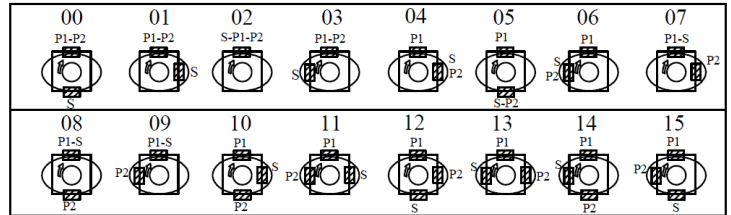
(view on shaft end)

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

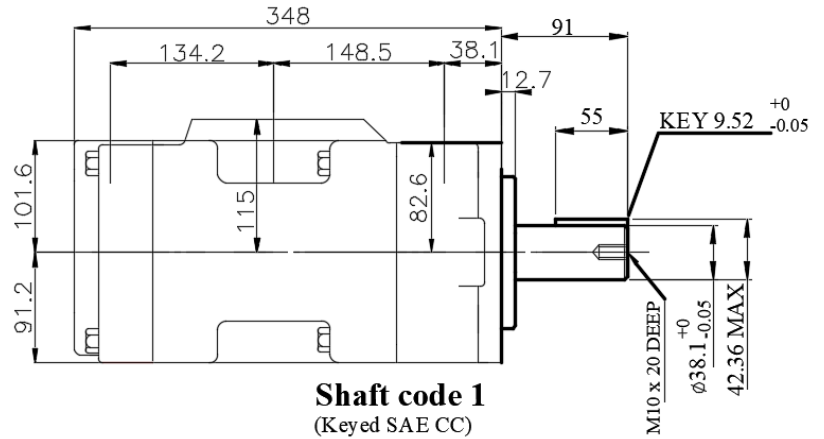
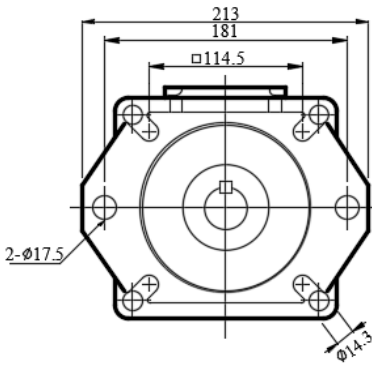
( P1 & P2 = 1 1/4", S = 4" )

⑩ Modifications

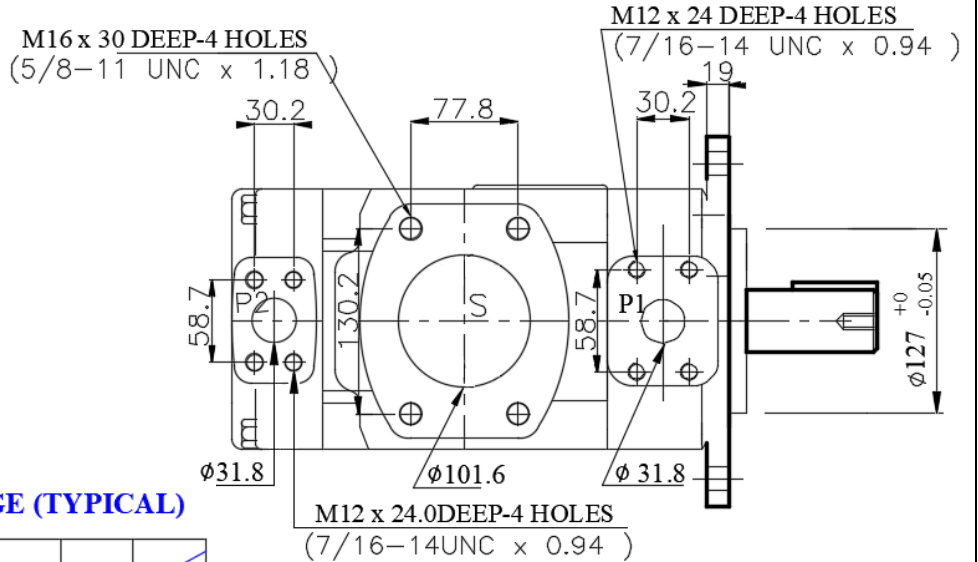
Operating Characteristics – Typical [24cSt]

(泵重 : 37.7 Kg)

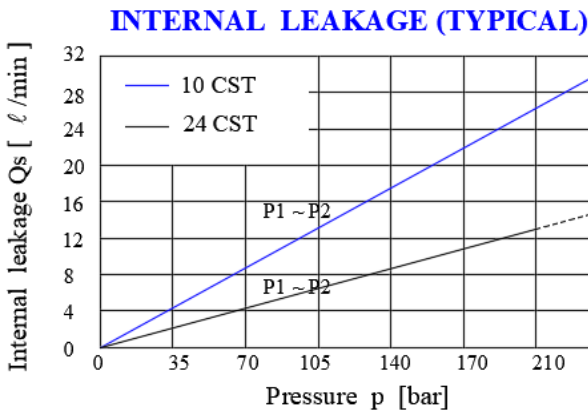
Pressure Port	Series	Volumetric Displacement Vp	Flow qve = 1800 rpm (ℓ/min)			Input power P = 1800 rpm (KW)			P Max Kg/cm <sup>2</sup>	Max r.p.m
		cm <sup>3</sup> /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar		
P1~P2	66	66.0	118.6	112.0	104.5	3.0	29.8	63.6	300	3000
	81	81.1	145.8	139.2	131.6	3.4	36.1	77.4		
	90	89.9	161.8	155.2	147.6	3.5	39.7	85.5		
	99	99.1	178.3	171.7	164.2	3.7	43.6	93.7		
	113	113.4	203.9	197.2	190.6	4.0	49.4	97.2	280	
	120	120.6	216.8	210.2	203.6	4.2	52.4	103.2		
	137	137.5	247.2	240.6	234.9	4.5	59.4	111.4		



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



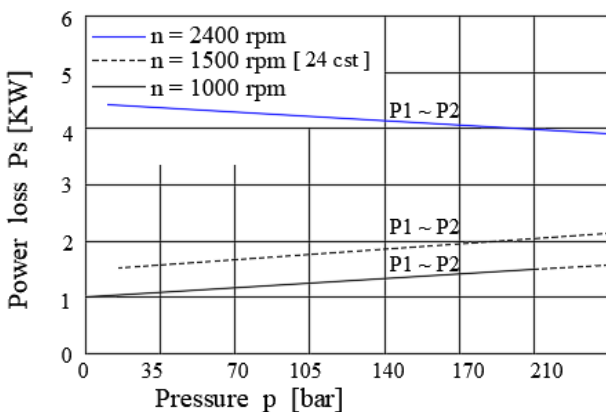
心軸扭力限制 ( mL/rev x bar )		
Pump	Shaft	Vp x P max
55SMP	1	61200



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

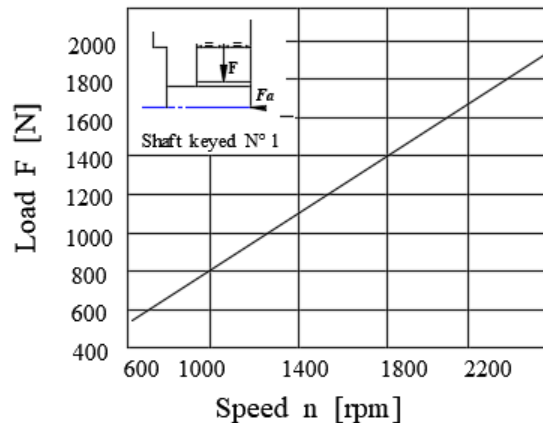
Total leakage is the sum of each section loss at its operating conditions.

**HYDROMECHANICAL POWER LOSS (TYPICAL)**



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

**PERMISSIBLE RADIAL LOAD**



Maximum axial load permissible  $F_a = 1200$  N