

KT7DXW - X45 - 1 R 00 - A 1 W1 -

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① **Series**

② **Cam ring**

Volumetric displacement (cm³/rev)

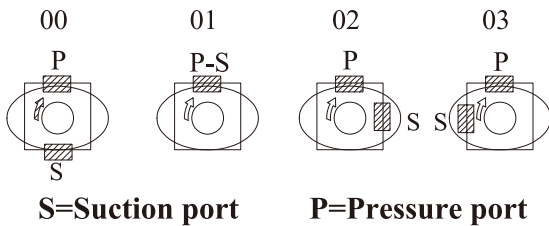
X14=43.9	X35=113.4
X17=55.0	X38=120.6
X20=66.0	X42=137.5
X24=81.1	X45=145.7
X28=89.9	X50=157.9
X31=99.1	

③ **Type of shaft**

- 1 = keyed
- 2 = keyed
- W = keyed

④ **Direction of rotation**

(view on shaft end)
R=clockwise
L=counter-clockwise



⑤ **Porting combination**

00=Standard

⑥ **Design letter**

⑦ **Seal class**

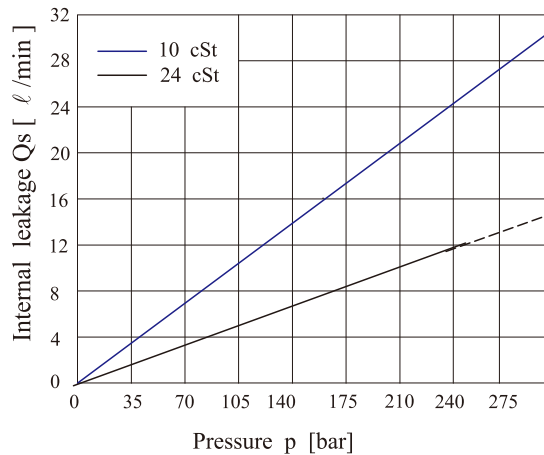
- 1 = S1 (for mineral oil)
- 4 = S4 (for fire resistant fluids)
- 5 = S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting w / connection variables**

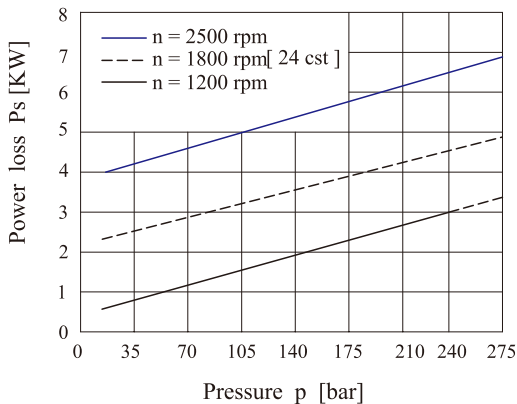
KT7DXW	
P = 1" 1/4	S = 2 1/2"
UNC (W1)	METRIC (M0)

⑨ **Modifications**

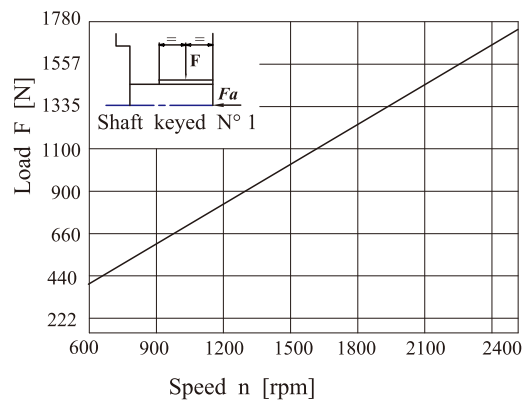
INTERNAL LEAKAGE (TYPICAL)



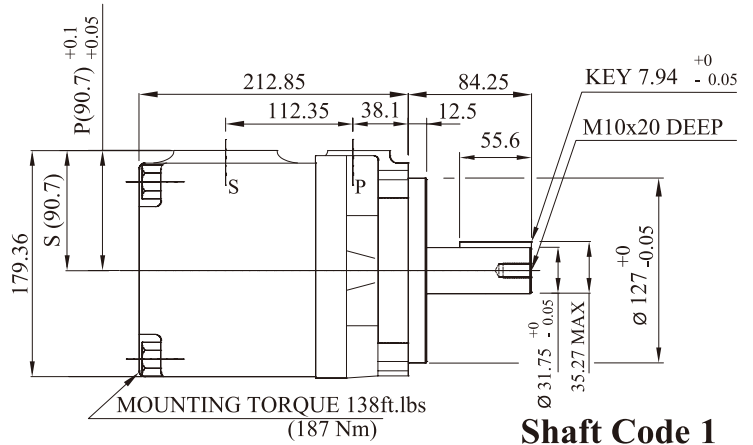
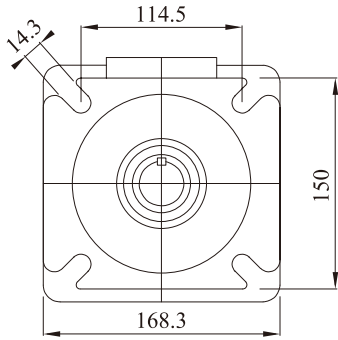
HYDROMECHANICAL POWER LOSS (TYPICAL)



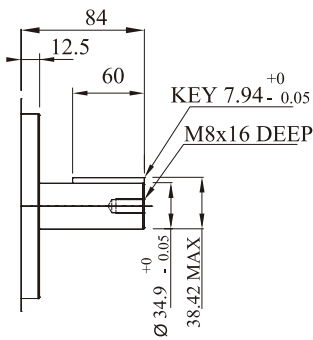
PERMISSIBLE RADIAL LOAD



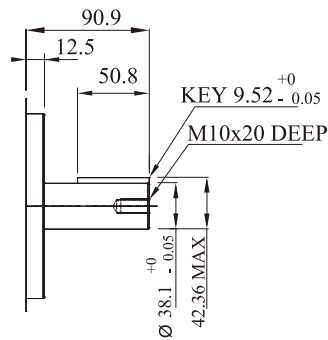
Maximum axial load permissible Fa = 1200 N



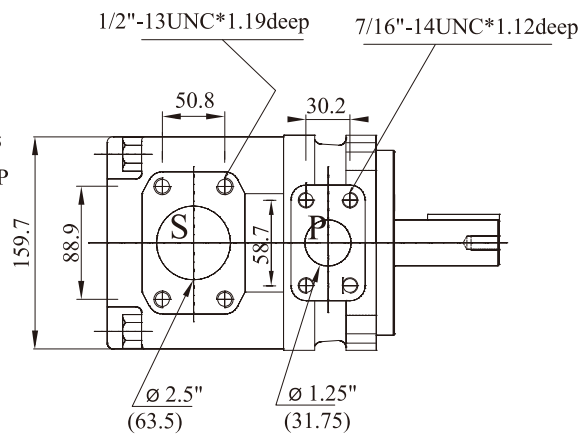
Shaft Code 1



Shaft Code 2



Shaft Code W



OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Series	Volumetric Displacement V _p	Speed n [r.p.m]	Flow q _{ve} [ℓ/min] @ 1800rpm			Input power P [KW] @ 1800rpm			P Max Kg/cm ²	Max r.p.m
			p = 0 bar	p = 140 bar	p = 300 bar	p = 7 bar	p = 140 bar	p = 300 bar		
X14	43.9ml/rev	1800	79.1	72.5	64.9	2.6	20.7	43.6	300	3000
X17	55.0ml/rev	1800	98.8	92.3	84.7	2.8	25.3	53.6		
X20	66.0ml/rev	1800	118.6	112.0	104.5	3.0	29.8	63.6		
X24	81.1ml/rev	1800	145.8	139.2	131.6	3.4	36.1	77.4		
X28	89.9ml/rev	1800	161.8	155.2	147.6	3.5	39.7	85.5		
X31	99.1ml/rev	1800	178.3	171.7	164.2	3.7	43.6	93.7	280	
X35	113.4ml/rev	1800	203.9	197.2	190.6 1)	4.0	49.4	97.2 1)		
X38	120.6ml/rev	1800	216.8	210.2	203.6 1)	4.2	52.4	103.2 1)	260	
X42	137.5ml/rev	1800	247.2	240.6	234.9 2)	4.5	59.4	111.4 2)		
X45	145.7ml/rev	1800	262.0	253.6	247.5 3)	5.0	62.4	107.7 3)	240	
X50	157.9ml/rev	1800	284.0	275.8	271.3 4)	5.3	67.5	100.3 4)		210

1) X35-X38 = 280 bar max. int. 2) X42 = 260 bar max. int. 3) X45 = 240 bar max. int.
4) X50 = 210 bar max. int