

**KT7B / KT7BS - 010 - 1 R 00 - A 1 - 00 \***  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

**① Series**

**KT7B** series-100 A2 HW  
 ISO 2 bolts 3019-2 mounting flange  
**KT7BS** series-SAE B 2 bolts  
 Mounting flange J744

**② Cam ring**

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

B02=5.7	B09=28.0
B03=9.8	B10=31.8
B04=12.8	B11=34.9
B05=15.9	B12=40.9
B06=19.8	B14=45.1
B07=22.5	B15=50.0
B08=24.9	

**③ Type of shaft KT7B-KT7BS**

2-Keyed (ISO R775)

**Type of shaft KT7BS**

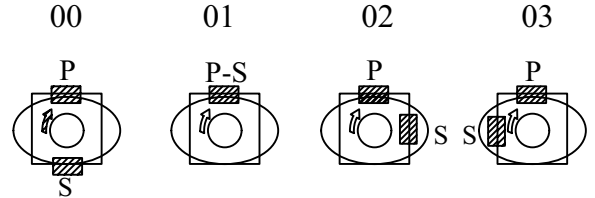
- 1-Keyed (SAE B)
- 3-Splined (SAE B)
- 4-Splined (SAE BB)

**④ Direction of rotation(view on shaft end)**

- R=clockwise
- L=counter-clockwise

**⑤ Porting combination**

00-standard



S=Suction port P=Pressure port

**⑥ Design letter**

**⑦ Seal class**

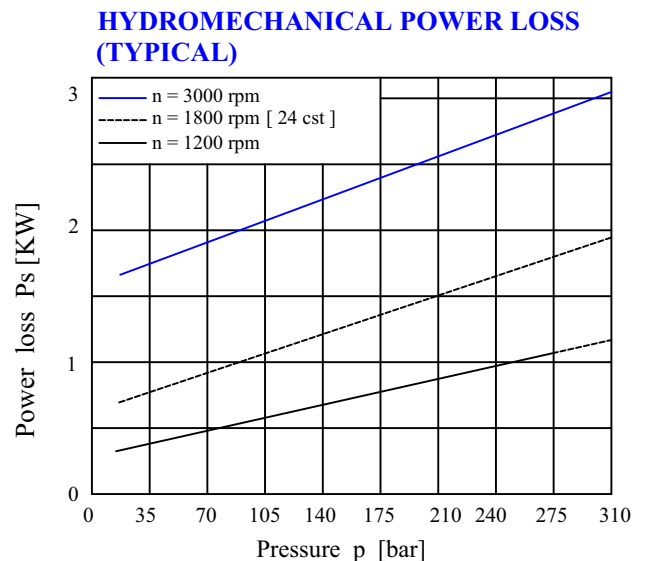
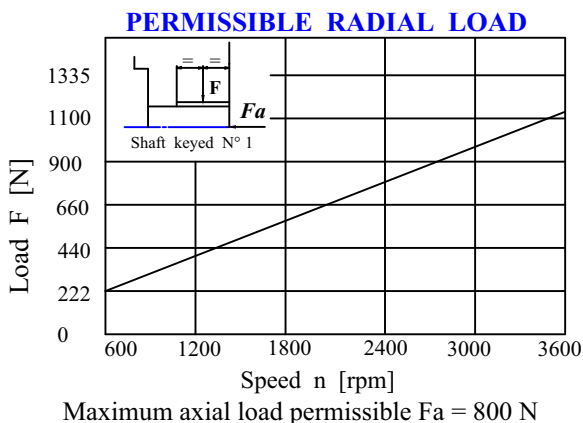
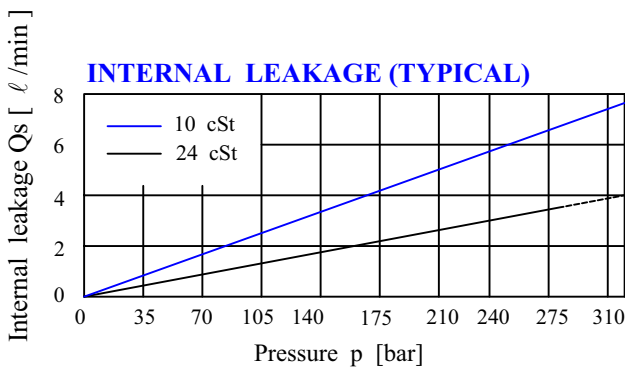
- 1-S1 (for mineral oil)
- 4-S4 (for fire resistant fluids)
- 5-S5 (for mineral oil and fire resistant fluids)

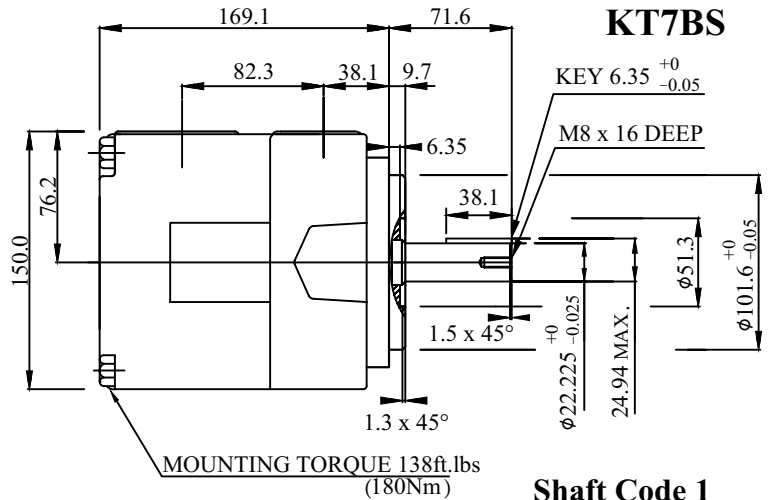
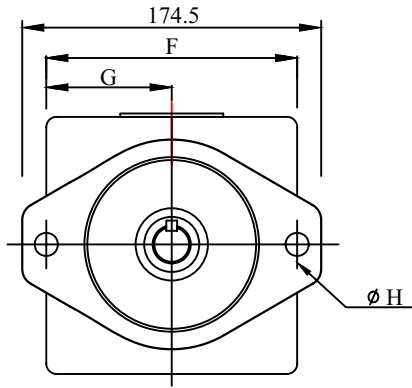
**⑧ Mounting W/connection variables**

4 bolts SAE flange(J518C)

	Unc		Metric	
	KT7BS		KT7B-KT7BS	
	00	01	M0	M1
P	1"	3/4"	1"	3/4"
S	1 1/2"			

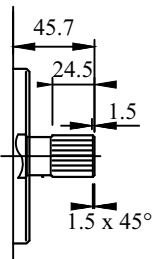
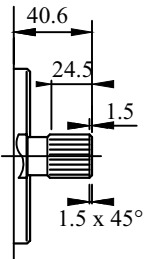
**⑨ Modifications**





**KT7BS**

**Shaft Code 1**  
(KEYED SAE B)

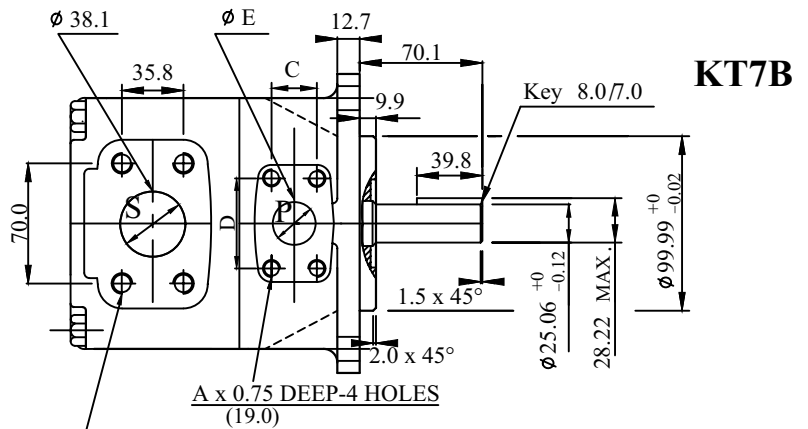


**Shaft code 3**

SAE B splined shaft  
Class 1-J498 b 16/32 dp.  
-13 teeth 30° pressure  
angle flat root side fit

**Shaft code 4**

SAE BB splined shaft  
Class 1-J498 b 16/32 dp.  
-15 teeth 30° pressure  
angle flat root side fit



**KT7B**

**Shaft Code 2**  
(KEYED ISO R775)

	KT7BS		KT7B	
	00	01	M0	M1
A	3/8-16 UNC		M10	
B	1/2-13 UNC		M12	
C	1.03 (26.2)	0.874 (22.2)	1.03 (26.2)	0.874 (22.2)
D	2.06 (52.4)	1.874 (47.6)	2.06 (52.4)	1.874 (47.6)
phi E	1.00 (25.4)	0.75 (19.05)	1.00 (25.4)	0.75 (19.05)
F	5.75 (146.0)		5.51 (140.0)	
G	2.87 (73.0)		2.75 (70.0)	
phi H	0.56 (14.3)		0.55 (14.0)	

Shaft torque limits(mℓ/rev x bar)		
Pump	Shaft	Vp x p max
KT7B	1	16516
	2	20620
	3	20620
	4	20620

**OPERATING CHARACTERISTICS - TYPICAL (24 cST)**

Pressure Port	Series	Volumetric Displacement Vp	Flow q & n =1800 rpm (ℓ/min)			Input power p & n =1800rpm (KW)			P Max Kg/cm <sup>2</sup>	Max r.p.m
		cm <sup>3</sup> /rev	P=0 bar	P=140 bar	P=320 bar	P=7 bar	P=140 bar	P=320 bar		
P1	B02	5.7	10.4	8.8	6.5	0.55	2.99	6.40	320	3600
	B03	9.8	17.6	15.9	13.7	0.63	4.65	10.25		
	B04	12.8	23.0	21.4	19.2	0.70	5.89	13.13		
	B05	15.9	28.6	26.9	24.7	0.76	7.17	16.12		
	B06	19.8	35.6	33.9	31.7	0.84	8.79	19.88		
	B07	22.5	40.4	38.8	36.5	0.89	9.91	22.47		
	B08	24.9	44.7	43.1	40.9	0.94	10.9	24.78		
	B09	28.0	50.3	48.6	46.4	1.01	12.19	27.77		
	B10	31.8	57.2	55.5	53.4	1.11	13.75	31.42		
	B11	34.9	62.9	61.2	59.0 1)	1.15	15.04	32.22 1)		
	B12	40.9	73.7	72.1	70.1 1)	1.28	17.56	37.71 1)		
	B14	45.1	80.8	79.2	77.0 1)	1.36	19.23	41.37 1)		
	B15	50.0	89.8	88.3	86.5 2)	1.47	21.28	42.76 2)		

1) 011-012-014=300 bar max. int.

2) 015=280 bar max. int.

Min Speed : 600 rpm

**KT7QC** 1 - **022** - **1 R 00** - **B 1 00** \*

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**① Series**

**② Mounting**

- 1 - SAE B
- 2 - SAE C

**③ Cam ring for P1**

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

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	

**④ Type of shaft**

- 1 = keyed (SAE B)
- 2 = keyed (non SAE)
- 3 = Splined (SAE B)
- 4 = Splined (SAE BB)

**⑤ Direction of rotation**

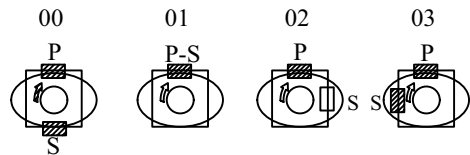
(view on shaft end)

R = clockwise

L = counter - clockwise

**⑥ Porting combination**

00 = standard



**S=Suction port**

**P=Pressure port**

**⑦ Design letter**

**⑧ Seal class**

1 = S1 (for mineral oil)

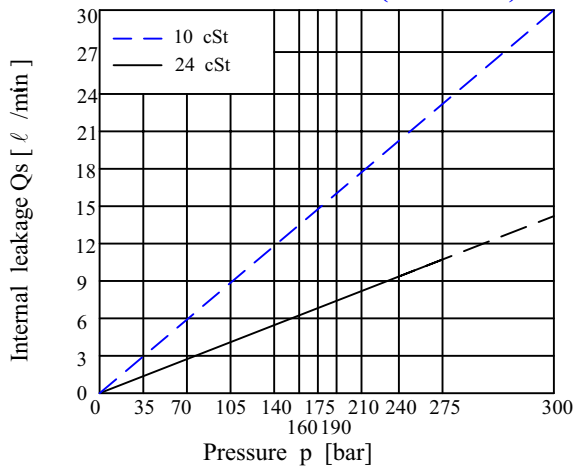
4 = S4 (for fire resistant fluids)

5 = S5 (for mineral oil and fire resistant fluids)

**⑨ Mounting W/connection variables**

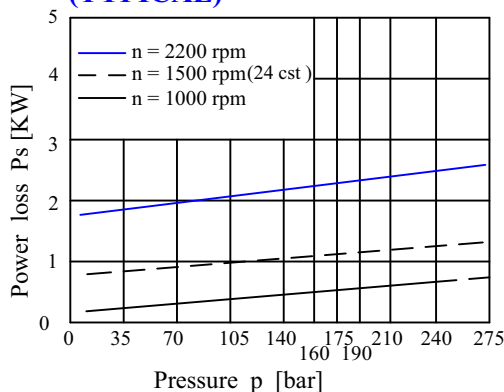
	UNC		METRIC	
	00	01	M0	M1
P	1"	3/4"	1"	3/4"
S	1 1/2"			

**INTERNAL LEAKAGE (TYPICAL)**

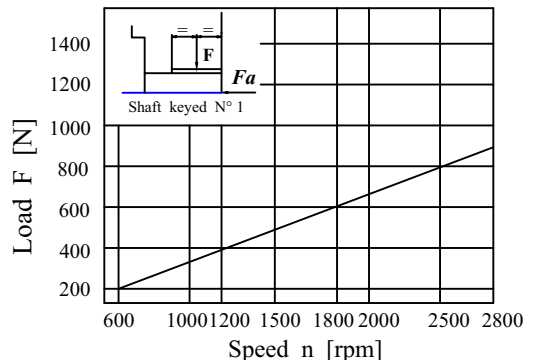


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow.

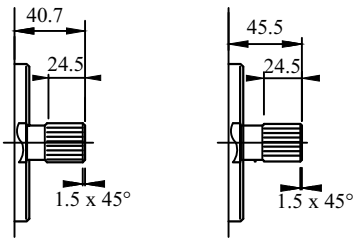
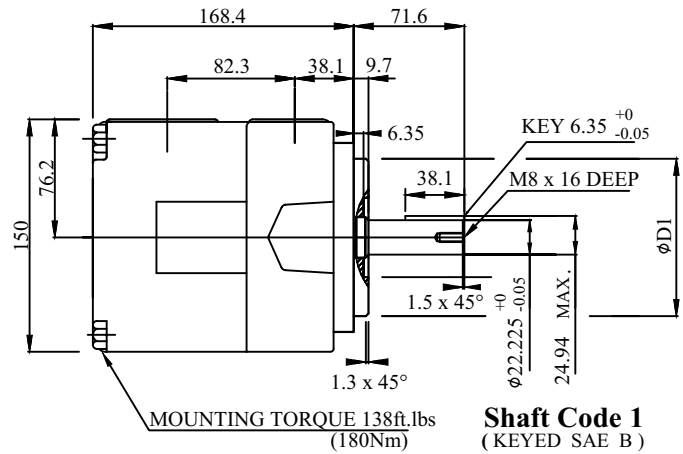
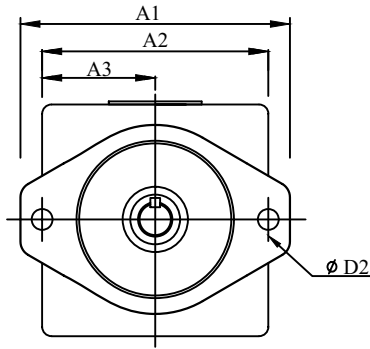
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



**PERMISSIBLE RADIAL LOAD**

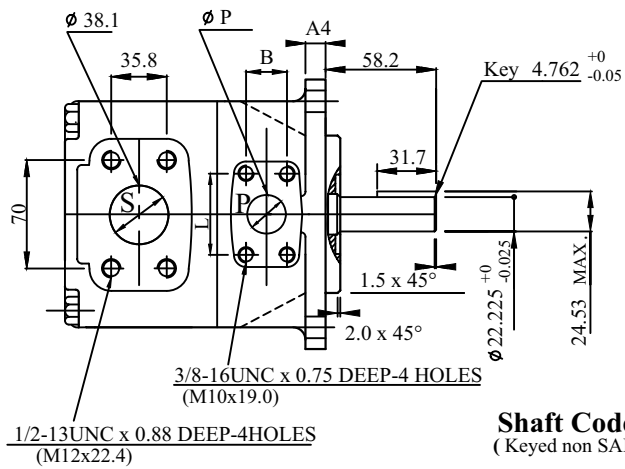


Maximum permissible axial load Fa = 800 N



**Shaft code 3**  
SAE B splined shaft  
Class 1-J498 b 16/32 dp.  
-13 teeth 30° pressure  
angle flat root side fit

**Shaft code 4**  
SAE BB splined shaft  
Class 1-J498 b 12/24 dp.  
-15 teeth 30° pressure  
angle flat root side fit



	KT7QC1	KT7QC2
Mounting	SAE B	SAE C
ØD1	101.6 / 101.55	127 / 126.94
ØD2	14.3	17.5
A1	174.5	212.5
A2	146	181.0
A3	73	90.5
A4	12.7	15.7

CODE	ØP	L	B
01 / M1	19.05	47.6	22.2
00 / M0	25.4	52.4	26.2

Shaft torque limits (mℓ/rev x bar)		
Pump	Shaft	Vp x p max.P1+P2
KT7QC	1	16500
	2	14300
	3	20600
	4	21820

**KT7QC OPERATING CHARACTERISTICS - TYPICAL [24 cSt]** (input power p (kw) for one cartridge only)

Pressure port	Series	Volumetric Displacement Vp	Flow qve [ ℓ/min ] 1500rpm				Input power P [KW] 1500rpm				P Max Kg/cm <sup>2</sup>	Max r.p.m
			P = 0 bar	P = 140 bar	P = 240 bar	P = 300 bar	P = 7 bar	P = 140 bar	P = 240 bar	P = 300 bar		
P1	003	10.8mℓ/rev	16.2	11.9	8.1	—	1.3	5.3	7.8	—	300	2800
	005	17.2mℓ/rev	25.8	21.5	17.7	13.7	1.4	7.5	12.2	14.9		
	006	21.3mℓ/rev	31.9	26.5	22.0	18.0	1.5	8.9	14.7	18.0		
	008	26.4mℓ/rev	39.6	34.1	29.6	25.6	1.6	10.7	17.7	21.8		
	010	34.1mℓ/rev	51.1	45.7	41.2	37.2	1.7	13.4	22.3	27.5		
	012	37.1mℓ/rev	55.6	50.2	45.7	41.7	1.7	14.4	24.1	29.8		
	014	46.0mℓ/rev	69.0	63.5	59.0	55.0	1.9	17.6	29.5	36.5		
	017	58.3mℓ/rev	87.4	82.0	77.5	73.5	2.1	21.9	36.9	45.7		
	020	63.8mℓ/rev	95.7	90.2	85.7	81.7	2.2	23.8	40.2	49.8		
	022	70.3mℓ/rev	105.4	100.0	95.5	91.5	2.3	26.1	44.1	50.3		
	025 <sub>1)</sub>	79.3mℓ/rev	118.9	113.5	109.0	—	2.5	29.2	49.5	—	275	2500
	028 <sub>1)</sub>	88.8mℓ/rev	133.2	127.7	124.5 <sub>2)</sub>	—	2.8	32.7	48.5 <sub>2)</sub>	—	240	
031 <sub>1)</sub>	100.0mℓ/rev	150.0	144.5	141.3 <sub>2)</sub>	—	2.8	36.5	54.4 <sub>2)</sub>	—	210		

1) 025 - 028 - 031 = 2500 rpm. max

2) 028 - 031 = 210 bar max. int.

Min Speed : 600 rpm

**KT7D/KT7DS - B45 - 1 R 00 - A 1 00 -**

①                      ②    ③ ④ ⑤    ⑥ ⑦ ⑧    ⑨

**① Series**

KT7D series-125 A2 HW  
 ISO 2 bolts 3019-2 mounting flange  
 KT7DS series- SAE C 2 bolts  
 Mounting flange J744

**② Cam ring**

Volumetric displacement (cm<sup>3</sup>/rev)  
 B14=43.9                      B35=113.4  
 B17=55.0                      B38=120.6  
 B20=66.0                      B42=137.5  
 B24=81.1                      B45=145.7  
 B28=89.9                      B50=157.9  
 B31=99.1

**③ Type of shaft**

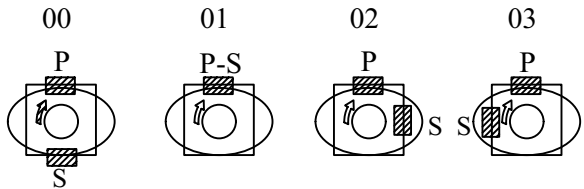
1 = keyed (SAE C32-1)  
 2 = keyed (no SAE)  
 3 = splined (SAE C32-4)  
 4 = splined (no SAE)

**Type of shaft KT7D - KT7DS**

5 - keyed (ISO 3019-2-G32M)

**④ Direction of rotation**

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



**S=Suction port      P=Pressure port**

**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)

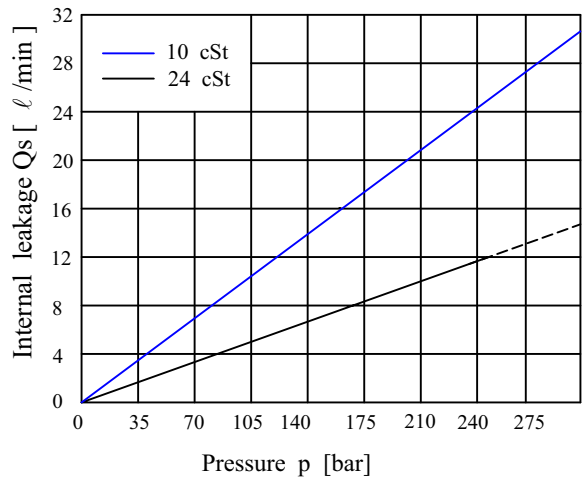
**⑧ Mounting w / connection variables**

	P = 1" 1/4		S = 2"	
	UNC		METRIC	
KT7D			M0	
KT7DS	00	M0	Y0	1)

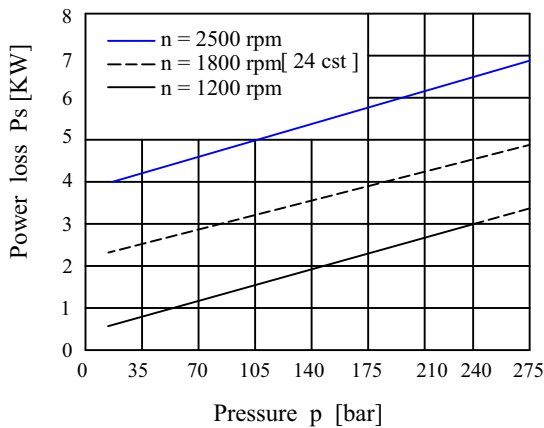
1) 250 bar max. int

**⑨ Modifications**

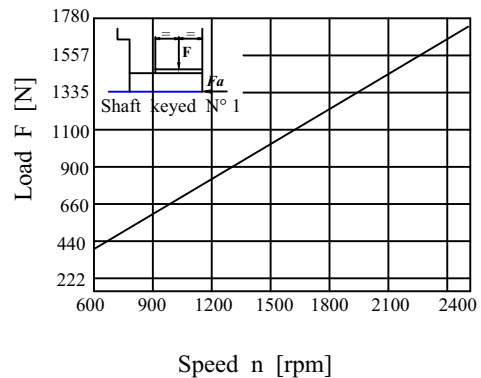
**INTERNAL LEAKAGE (TYPICAL)**



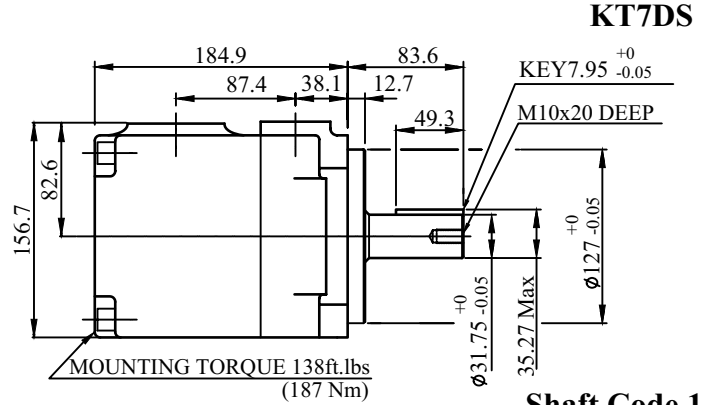
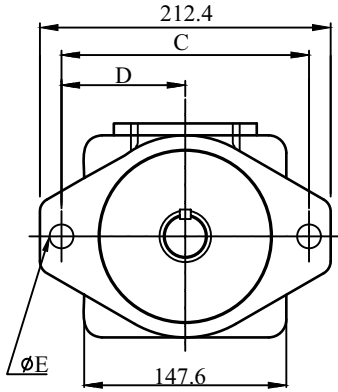
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



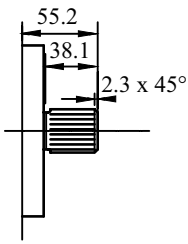
**PERMISSIBLE RADIAL LOAD**



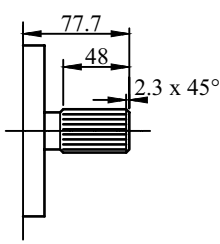
Maximum axial load permissible Fa = 1200 N



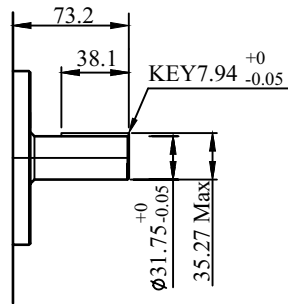
**KT7DS**  
Shaft Code 1  
(Keyed SAE C)



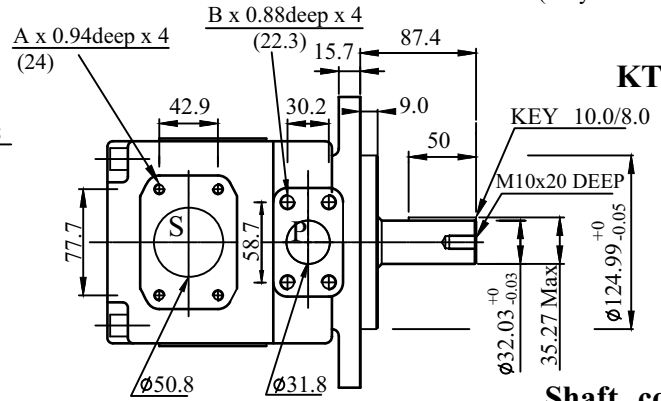
**Shaft code 3**  
SAE C splined shaft  
Class 1 - J498 b  
12/24 dp. -14 teeth  
30° pressure angle  
Flat root side fit.



**Shaft code 4**  
SAE C spc(\*) splined shaft  
Class 1 - J498 b  
12/24 dp. -14 teeth  
30° pressure angle  
Flat root side fit.



**Shaft Code 2**  
(Keyed no SAE)



**KT7D**  
Shaft code 5  
(Keyed ISO R775)

Shaft torque limits (ml/rev x bar)	
Shaft	Vp x p max
1	43283
2	34590
3	61200
4	61200
5	44344

	KT7DS		KT7D	
	00	M0	Y0 <sub>1</sub>	M0
A	1/2-13UNC	M12	M12	M12
B	7/16-14UNC	M12	M10	M12
C		181		180
D		90.5		90
E		17.5		18

1) 250 bar max.int

**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Series	Volumetric Displacement Vp	Speed n [r.p.m]	Flow qve [ l/min ]=1800rpm			Input power P [KW]=1800rpm			P Max Kg/cm <sup>2</sup>	Max r.p.m
			p = 0 bar	p = 140 bar	p = 300 bar	p = 7 bar	p = 140 bar	p = 300 bar		
B14	43.9ml/rev	1800	79.1	72.5	64.9	2.6	20.7	43.6	300	
B17	55.0ml/rev	1800	98.8	92.3	84.7	2.8	25.3	53.6		
B20	66.0ml/rev	1800	118.6	112.0	104.5	3.0	29.8	63.6		
B24	81.1ml/rev	1800	145.8	139.2	131.6	3.4	36.1	77.4		
B28	89.9ml/rev	1800	161.8	155.2	147.6	3.5	39.7	85.5		
B31	99.1ml/rev	1800	178.3	171.7	164.2	3.7	43.6	93.7		
B35	113.4ml/rev	1800	203.9	197.2	190.6 1)	4.0	49.4	97.2 1)	280	
B38	120.6ml/rev	1800	216.8	210.2	203.6 1)	4.2	52.4	103.2 1)		
B42	137.5ml/rev	1800	247.2	240.6	234.9 2)	4.5	59.4	111.4 2)	260	
B45	145.7ml/rev	1800	262.0	253.6	247.5 3)	5.0	62.4	107.7 3)	240	
B50	157.9ml/rev	1800	284.0	275.8	271.3 4)	5.3	67.5	100.3 4)	210	

1) B35-B38 = 280 bar max. int    2) B42 = 260 bar max. int.    3) B45 = 240 bar max. int.  
4) B50 = 210 bar max. int

Min Speed : 600 rpm

**KT7DSW - B45 - X R 00 - A 1 W1 -**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① **Series**

② **Cam ring**

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

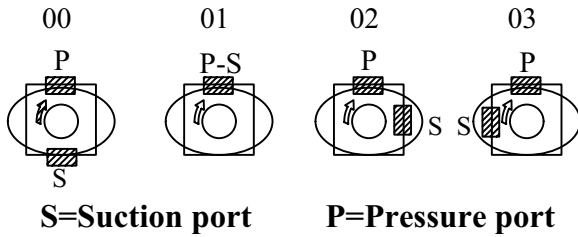
014=47.6	035=111.0
017=58.2	038=120.3
020=66.0	042=136.0
024=79.5	045=145.7
028=89.7	050=158.0
031=98.3	061=190.5

③ **Type of shaft**

2 = keyed  
 X = 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**

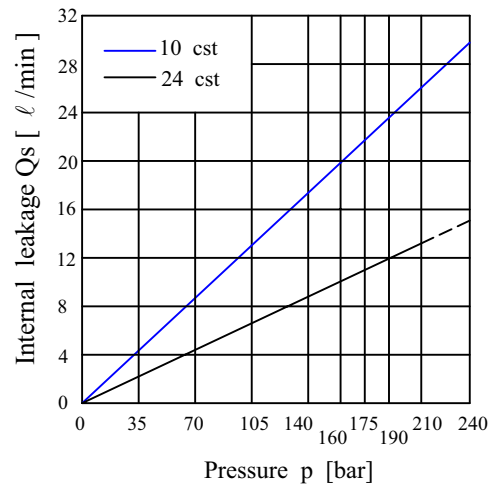
1 = S1 (for mineral oil)  
 4 = S4 (for fire resistant fluids)  
 5 = S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting w / connection variables**

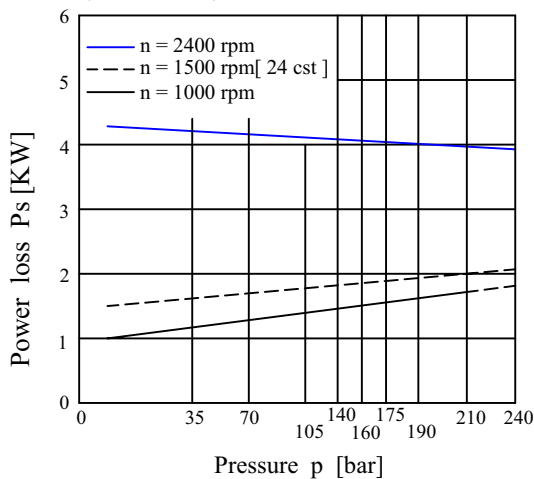
KT7DSW	
UNC (W1)	
P = 1" 1/4	S = 2 1/2"

⑨ **Modifications**

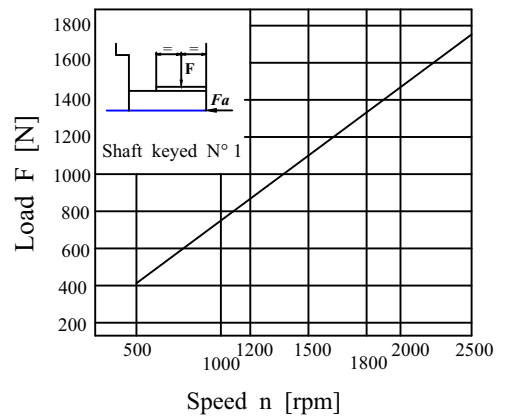
**INTERNAL LEAKAGE (TYPICAL)**



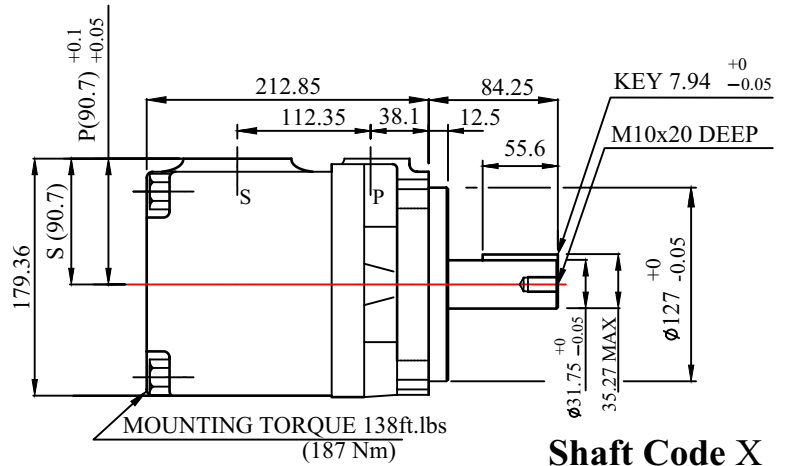
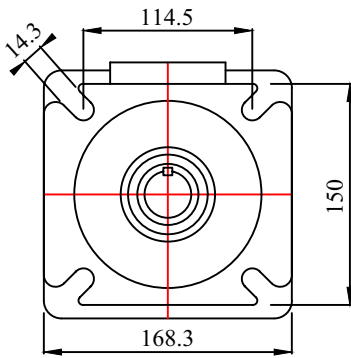
**HYDROMECHANICAL POWER LOSS (TYPICAL)**



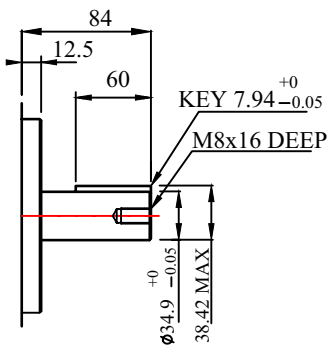
**PERMISSIBLE RADIAL LOAD**



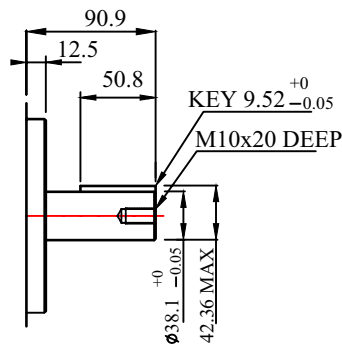
Maximum permissible axial load Fa = 1200 N



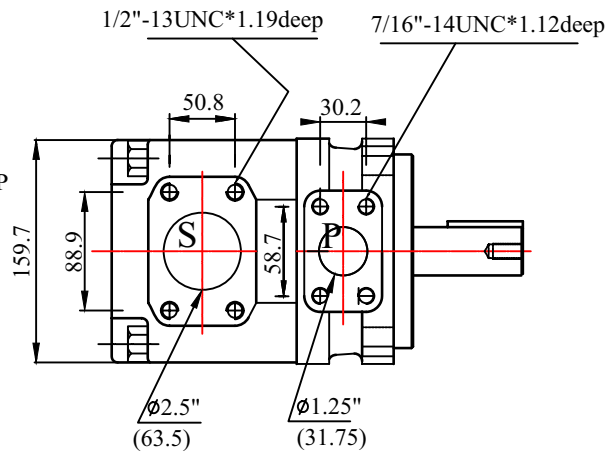
**Shaft Code X**



**Shaft Code 2**



**Shaft Code W**



**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Series	Volumetric Displacement $V_p$	Speed $n$ [R.P.M]	Flow $q_{ve}$ [ $\ell/\min$ ] =1500 rpm			Input power $P$ [KW]=1500 rpm			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		
014	47.6ml/rev	1500	71.4	62.1	55.9	2.3	18.5	30.6	240	2500
017	58.2ml/rev	1500	87.3	78.0	71.8	2.5	22.2	37.0		
020	66.0ml/rev	1500	99.0	89.7	83.5	2.8	24.9	41.7		
024	79.5ml/rev	1500	119.3	110.0	103.8	3.0	29.6	49.8		
028	89.7ml/rev	1500	134.5	125.2	119.0	3.2	33.2	55.9		
031	98.3ml/rev	1500	147.5	138.1	131.9	3.3	36.2	61.0		
035	111.0ml/rev	1500	166.5	157.2	151.0	3.5	40.7	68.7		
038	120.3ml/rev	1500	180.4	171.1	164.9	3.7	43.9	74.3		
042 1)	136.0ml/rev	1500	204.0	194.7	188.5	4.0	49.4	83.7		
045 1)	145.7ml/rev	1500	218.5	209.2	203.0	4.1	52.8	89.5		
050 1)	158.0ml/rev	1500	237.0	227.7	224.0 2)	4.4	57.0	85.0 2)	210	2200
061 1)	190.5ml/rev	1500	285.7	278.0 3)	—	4.6	60.6 3)	—	120	

1) 042 - 045 - 050 - 061 = 2200 R.P.M.max    2) 050 = 210 bar max. int.    3) 061 = 120 bar max. int.    Min Speed : 600 rpm



**KT7DSW 2 - B45 - X R 00 - A 1 W1 -**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① **Series**

② **Cam ring**

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

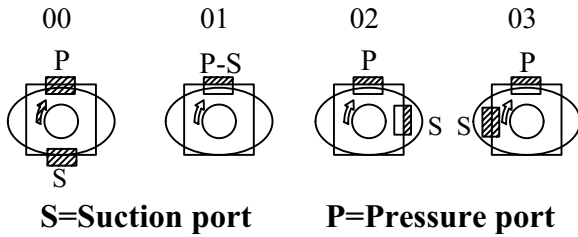
014=47.6	035=111.0
017=58.2	038=120.3
020=66.0	042=136.0
024=79.5	045=145.7
028=89.7	050=158.0
031=98.3	061=190.5

③ **Type of shaft**

2 = keyed  
 X = 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**

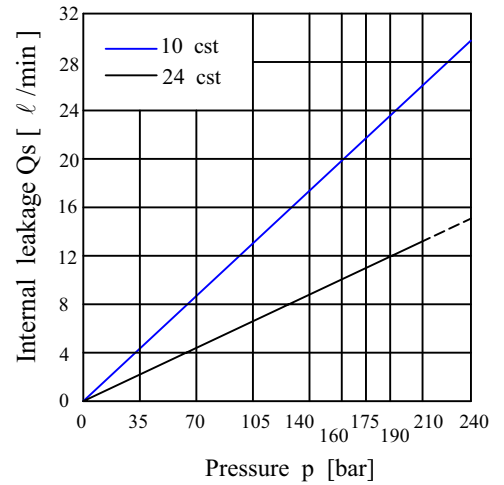
1 = S1 (for mineral oil)  
 4 = S4 (for fire resistant fluids)  
 5 = S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting w / connection variables**

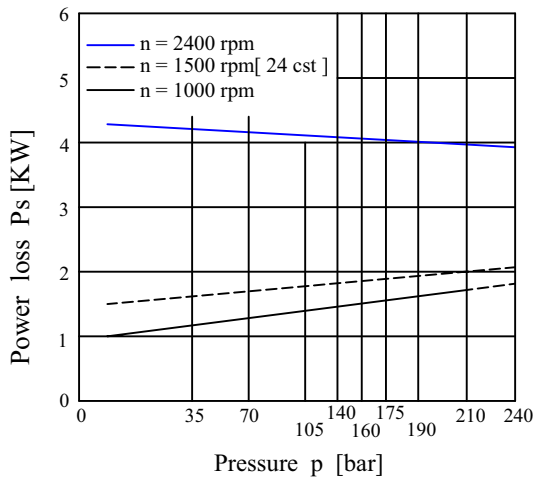
KT7DSW 2	
UNC (W1)	
P = 1" 1/4	S = 2 1/2"

⑨ **Modifications**

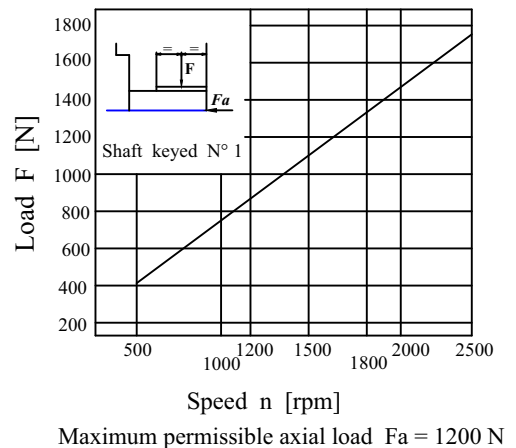
**INTERNAL LEAKAGE (TYPICAL)**

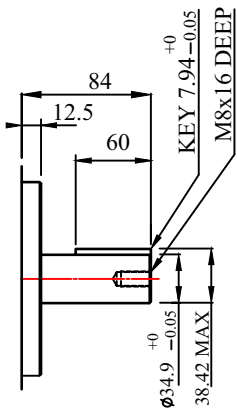
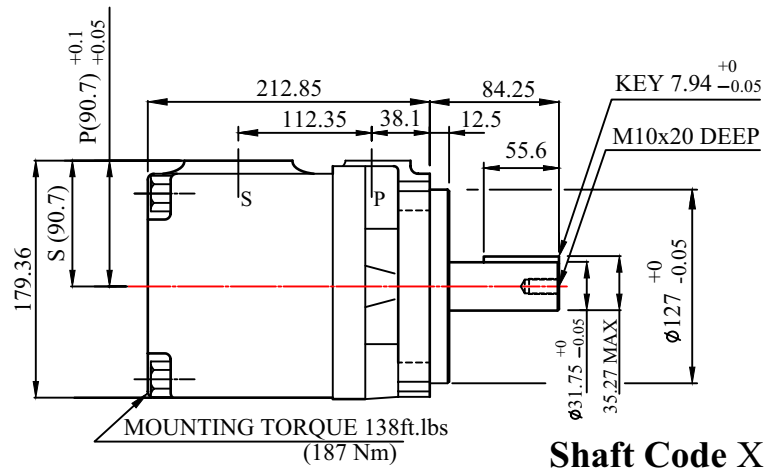
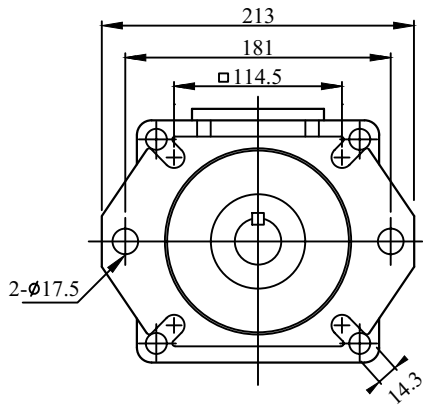


**HYDROMECHANICAL POWER LOSS (TYPICAL)**

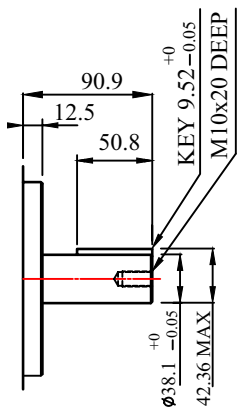


**PERMISSIBLE RADIAL LOAD**

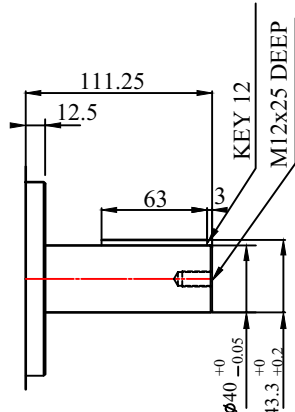




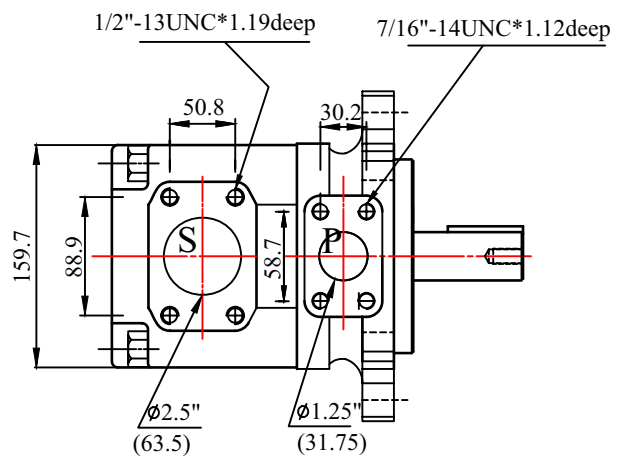
**Shaft Code 2**



**Shaft Code W**



**Shaft Code 5**



**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Series	Volumetric Displacement V <sub>p</sub>	Speed n [R.P.M]	Flow q <sub>ve</sub> [ ℓ/min ]=1500 rpm			Input power P [KW]=1500 rpm			P Max Kg/cm <sup>2</sup>	Max r.p.m
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar		
014	47.6ml/rev	1500	71.4	62.1	55.9	2.3	18.5	30.6	240	2500
017	58.2ml/rev	1500	87.3	78.0	71.8	2.5	22.2	37.0		
020	66.0ml/rev	1500	99.0	89.7	83.5	2.8	24.9	41.7		
024	79.5ml/rev	1500	119.3	110.0	103.8	3.0	29.6	49.8		
028	89.7ml/rev	1500	134.5	125.2	119.0	3.2	33.2	55.9		
031	98.3ml/rev	1500	147.5	138.1	131.9	3.3	36.2	61.0		
035	111.0ml/rev	1500	166.5	157.2	151.0	3.5	40.7	68.7		
038	120.3ml/rev	1500	180.4	171.1	164.9	3.7	43.9	74.3		
042 1)	136.0ml/rev	1500	204.0	194.7	188.5	4.0	49.4	83.7		
045 1)	145.7ml/rev	1500	218.5	209.2	203.0	4.1	52.8	89.5		
050 1)	158.0ml/rev	1500	237.0	227.7	224.0 2)	4.4	57.0	85.0 2)		
061 1)	190.5ml/rev	1500	285.7	278.0 3)	—	4.6	60.6 3)	—		

1) B42 - B45 - B50 - 61 = 2200 R.P.M.max    2) B50 = 210 bar max. int.    3) B61 = 120 bar max. int.    Min Speed : 600 rpm

**KT7DXW - B45 - 1 R 00 - A 1 W1 -**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① **Series**

② **Cam ring**

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

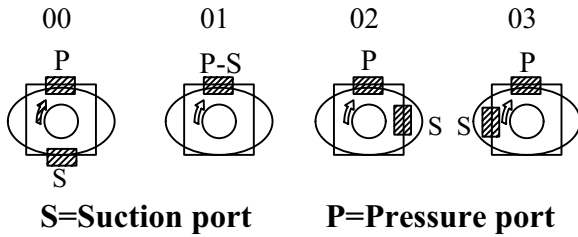
B14=43.9	B35=113.4
B17=55.0	B38=120.6
B20=66.0	B42=137.5
B24=81.1	B45=145.7
B28=89.9	B50=157.9
B31=99.1	

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**

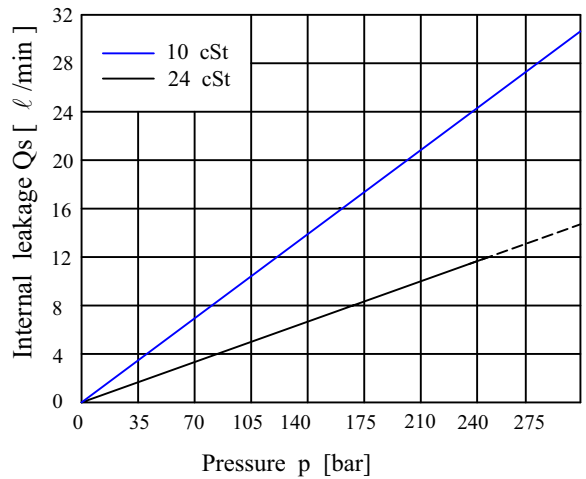
- 1 = S1 (for mineral oil)
- 4 = S4 (for fire resistant fluids)
- 5 = S5 (for mineral oil and fire resistant fluids)

⑧ **Mounting w / connection variables**

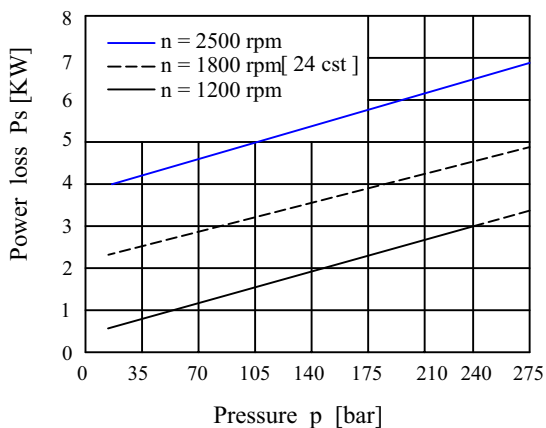
KT7DXW	
UNC (W1)	
P = 1" 1/4	S = 2 1/2"

⑨ **Modifications**

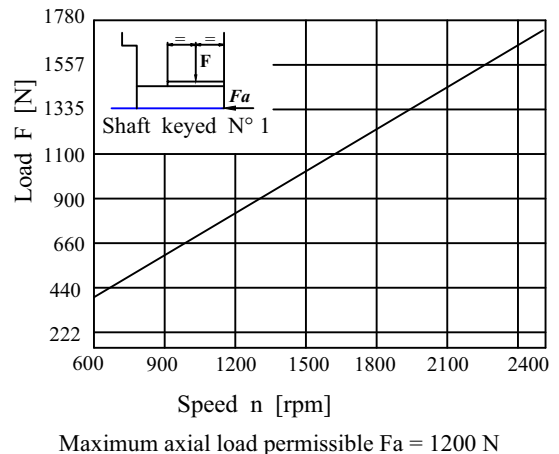
**INTERNAL LEAKAGE (TYPICAL)**

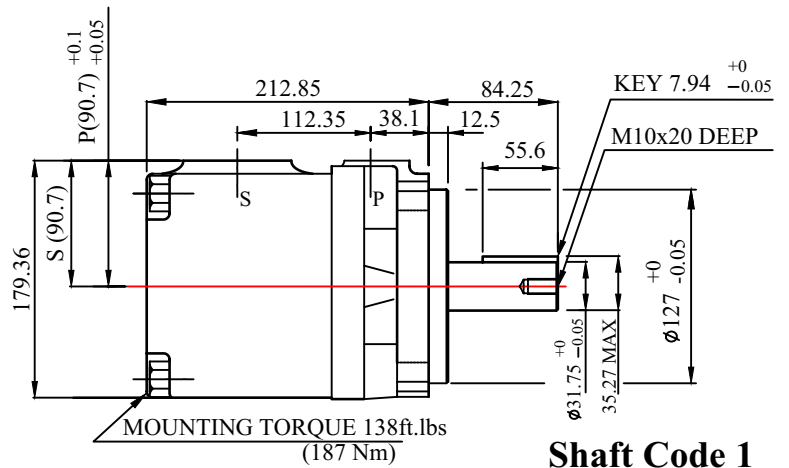
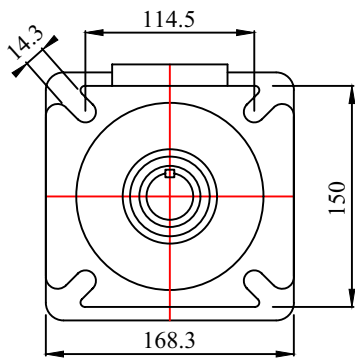


**HYDROMECHANICAL POWER LOSS (TYPICAL)**

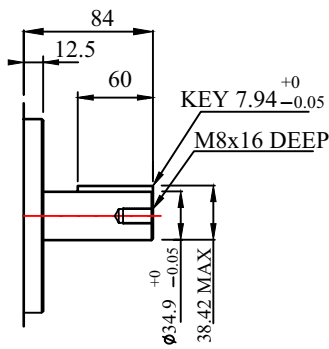


**PERMISSIBLE RADIAL LOAD**

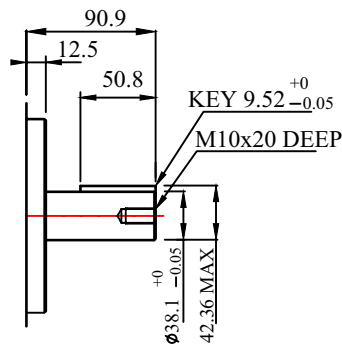




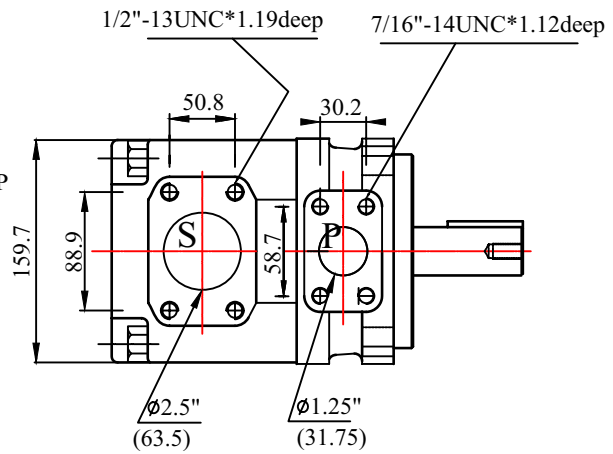
**Shaft Code 1**



**Shaft Code 2**



**Shaft Code W**



**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Series	Volumetric Displacement Vp	Speed n [r.p.m]	Flow qve [ ℓ/min ]=1800rpm			Input power P [KW]=1800rpm			P Max Kg/cm <sup>2</sup>	Max r.p.m
			p = 0 bar	p = 140 bar	p = 300 bar	p = 7 bar	p = 140 bar	p = 300 bar		
B14	43.9mℓ/rev	1800	79.1	72.5	64.9	2.6	20.7	43.6	300	
B17	55.0mℓ/rev	1800	98.8	92.3	84.7	2.8	25.3	53.6		
B20	66.0mℓ/rev	1800	118.6	112.0	104.5	3.0	29.8	63.6		
B24	81.1mℓ/rev	1800	145.8	139.2	131.6	3.4	36.1	77.4		
B28	89.9mℓ/rev	1800	161.8	155.2	147.6	3.5	39.7	85.5		
B31	99.1mℓ/rev	1800	178.3	171.7	164.2	3.7	43.6	93.7	3000	
B35	113.4mℓ/rev	1800	203.9	197.2	190.6 1)	4.0	49.4	97.2 1)		
B38	120.6mℓ/rev	1800	216.8	210.2	203.6 1)	4.2	52.4	103.2 1)		
B42	137.5mℓ/rev	1800	247.2	240.6	234.9 2)	4.5	59.4	111.4 2)		
B45	145.7mℓ/rev	1800	262.0	253.6	247.5 3)	5.0	62.4	107.7 3)		
B50	157.9mℓ/rev	1800	284.0	275.8	271.3 4)	5.3	67.5	100.3 4)	210	

1) B35-B38 = 280 bar max. int    2) B42 = 260 bar max. int.    3) B45 = 240 bar max. int.    4) B50 = 210 bar max. int

Min Speed : 600 rpm