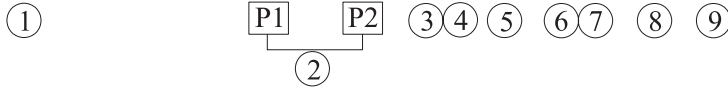


KT6QDC / KT7QDC - B38 - 022 - 1 R 00 - A 1 - 00 - *



① **Series**

② **Cam ring for " P1 " of KT6QDC**

Volumetric displacement (cm³/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	060=190.5

Cam ring for " P1 " of KT7QDC

Volumetric displacement (cm³/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	

Cam ring for " P2 "

Volumetric displacement (cm³/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	

③ **Type of shaft**

- 1 = Keyed (SAE C)
- 2 = Keyed (SAE CC)
- 3 = Splined (SAE C)

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

⑧ **Mounting W / connection variables**

	UNC		METRIC	
	00	01	M0	M1
P2	1"	3/4"	1"	3/4"

⑨ **Modifications**

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

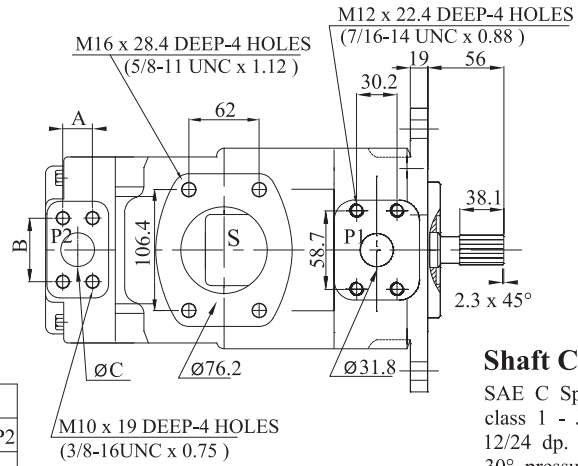
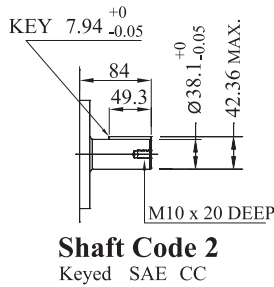
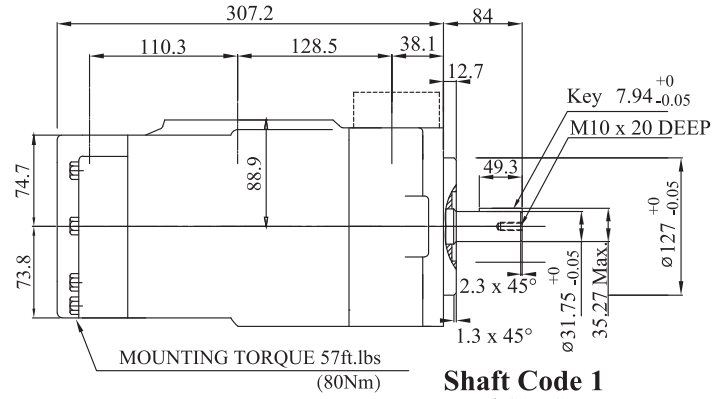
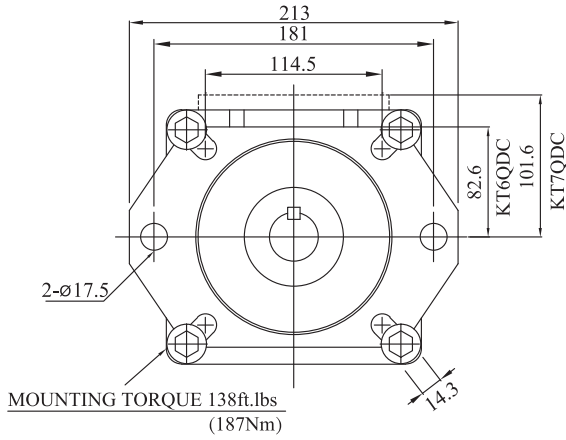
Pressure port	Series	Volumetric Displacement Vp	Flow qve [ℓ/min] 1500 rpm			Input power P [KW] 1500 rpm			P Max Kg/cm ²	Max r.p.m
			P = 0 bar	P = 140 bar	P = 240 bar	P =7 bar	P =140 bar	P =240 bar		
P1 (KT6QDC)	014	47.6mℓ/rev	71.4	62.1	55.9	2.3	18.5	30.6	240	2500
	017	58.2mℓ/rev	87.3	78.0	71.8	2.5	22.2	37.0		
	020	66.0mℓ/rev	99.0	89.7	83.5	2.8	24.9	41.7		
	024	79.5mℓ/rev	119.3	110.0	103.8	3.0	29.6	49.8		
	028	89.7mℓ/rev	134.5	125.2	119.0	3.2	33.2	55.9		
	031	98.3mℓ/rev	147.5	138.1	131.9	3.3	36.2	61.0		
	035	111.0mℓ/rev	166.5	157.2	151.0	3.5	40.7	68.7		
	038	120.3mℓ/rev	180.4	171.2	164.9	3.7	43.9	74.3		
	042 1)	136.0mℓ/rev	204.0	194.7	188.5	4.0	49.4	83.7		
	045 1)	145.7mℓ/rev	218.5	209.2	203.0	4.1	52.8	89.5		
	050 1)	158.0mℓ/rev	237.0	227.7	224.0 2)	4.4	57.0	85.0 2)	210	2200
	061 1)	190.5mℓ/rev	285.7	278.0 3)	—	4.6	60.6 3)	—	120	

1) 042 - 045- 050- 061 = 2200 rpm max

2) 028 - 031- 050 = 210 bar max. int.

Min Speed : 600 rpm

3) 061 = 120 bar max. int.
061 = 80 bar max. cont.



Alternate connect. variables	
00 & M0	01 & M1
A 1.031 (26.2)	0.874 (22.2)
B 2.06 (52.4)	1.874 (47.6)
C 1.0 (25.4)	0.75 (19.05)

Shaft torque limits (mℓ/rev x bar)		
Pump	Shaft	Vp x p max.P1+P2
KT6QDC KT7QDC	1	43240
	2	61200
	3	35880

OPERATING CHARACTERISTICS - TYPICAL (24 cST) (input power p (kw) for one cartridge only)

Pressure Port	Series	Volumetric Displacement Vp cm ³ /rev	Flow q & n=1800rpm (ℓ/min)			Input power p & n=1800rpm (KW)			P Max ₂ Kg/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 (KT7QDC)	B14	43.9	79.1	72.5	67.3	2.6	20.7	35.0	250	2500
	B17	55.0	98.8	92.3	87.0	2.8	25.3	43.0		
	B20	66.0	118.6	112.0	106.8	3.0	29.8	50.9		
	B24	81.1	145.8	139.2	134.0	3.4	36.1	61.9		
	B28	89.9	161.8	155.2	150.0	3.5	39.7	68.3		
	B31	99.1	178.3	171.7	166.5	3.7	43.6	75.0		
	B35	113.4	203.9	197.2	192.0	4.0	49.4	85.3		
	B38	120.6	216.8	210.2	204.9	4.2	52.4	90.5		
	B42	137.5	247.2	240.6	235.4	4.5	59.4	102.7		
	B45	145.7	261.9	253.6	246.8	5.0	62.4	108.7		
	B50	157.9	284.1	275.8	271.3 1)	5.3	67.5	100.3 1)	210	2200
P2	Series	cm ³ /rev	P=0 bar	P=140 bar	P=300 bar	P=7 bar	P=140 bar	P=300 bar	275	2500
	003	10.8	19.6	14.6	—	1.57	6.30	—		
	005	17.2	30.9	26.0	16.44	1.70	8.94	17.88		
	006	21.3	38.3	33.4	21.6	1.78	10.64	21.6		
	008	26.4	47.4	42.6	30.72	1.89	12.75	26.16		
	010	34.1	61.3	56.4	44.64	2.06	15.94	33.0		
	012	37.1	66.7	61.8	50.04	2.11	17.18	35.4		
	014	46.0	82.7	77.8	66.0	2.30	20.87	43.8		
	017	58.3	104.8	99.9	88.2	2.55	25.95	54.84		
	020	63.8	114.7	109.8	98.04	2.66	28.23	59.76		
	022	70.3	126.4	121.5	109.8 2)	2.80	30.92	60.36 2)		
	025	79.3	142.5	137.6	—	2.99	34.64	—		
	028	88.8	159.6	154.7	—	3.18	38.58	—		
	031	100.0	179.7	174.9	—	3.41	43.21	—		

1) B50=210 bar max. int.

2) 022=240 bar max. int.

Min Speed : 600 rpm