T6CC - Ordering Code

Model No. T6CC W - 022 - 008 - 1 R 00 - C 1 00 - ..

Series - SAE B 2 bolts
J744 mounting flange

Severe duty shaft option

Displacement P1 and P2 (P1 / P2)
Volumetric displacement (ml/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	

Type of shaft
1 = keyed (non SAE)
3 = splined (SAE BB) 15 teeth
5 = splined (SAE B) 13 teeth

Severe duty shaft (T6CCW only)
2 = keyed (SAE BB)

Direction of rotation (shaft end view)
R = Clockwise
L = Counter-clockwise

Modifications

Mounting w/connection variables

	P1 = 1" - S = 3"			
	UNC thread		Metric thread	
	00	01	0M	W0
P2	1"	3/4"[1]	1"	3/4

	P1 = 1" - S = 2.1/2"[2]			
	UNC thread		Metric thread	
	10	11	1M	W1
P2	1"	3/4"[1]	1"	3/4

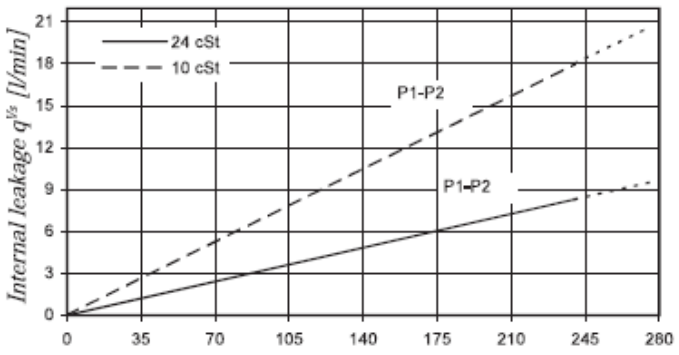
[1] up to 46 ml/rev. max.
[2] up to 126 ml/rev. max.
Always select the largest cartridge in the front place.

Seal class
1 = S1 BUNA N - 0,7 bar max. (for mineral oil)
4 = S4 EPDM - 7 bar max. (for fire resistant fluids)
5 = S5 VITON® - 7 bar max. (for mineral oil and fire resistant fluids)

Design letter

Porting combination (see page 72)
00 = standard

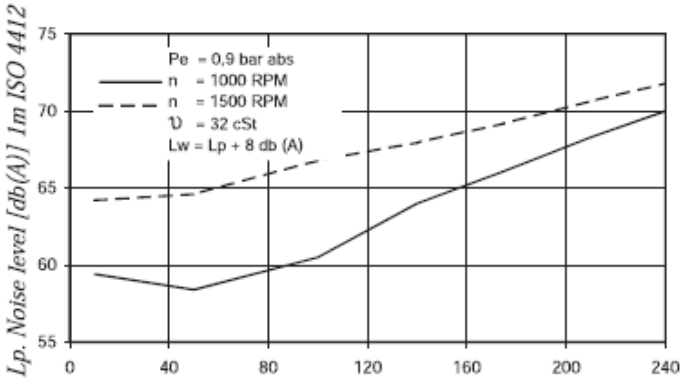
INTERNAL LEAKAGE (TYPICAL)



Pressure p [bar]

Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow.
Total leakage is the sum of each section loss under its respective operating conditions.

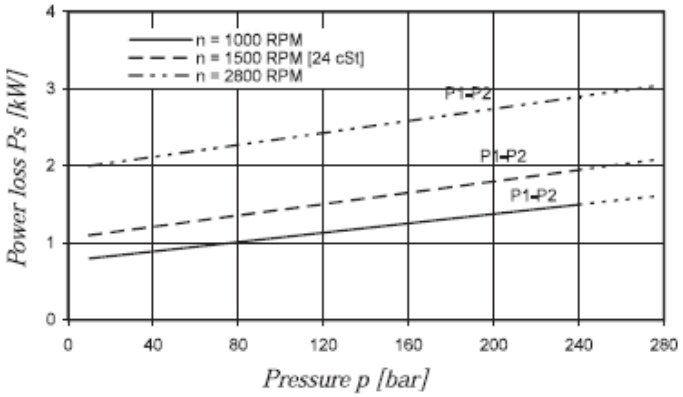
NOISE LEVEL (TYPICAL) - T6CC - 022 - 022



Pressure p [bar]

Double pump noise level is given with both stages discharging at the pressure value indicated on the curve.

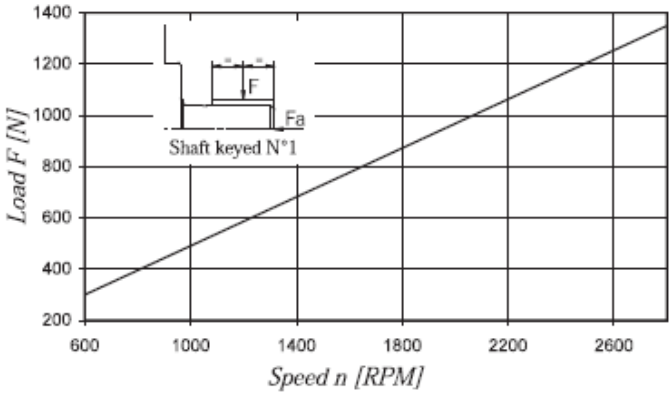
POWER LOSS HYDROMECHANICAL (TYPICAL)



Pressure p [bar]

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

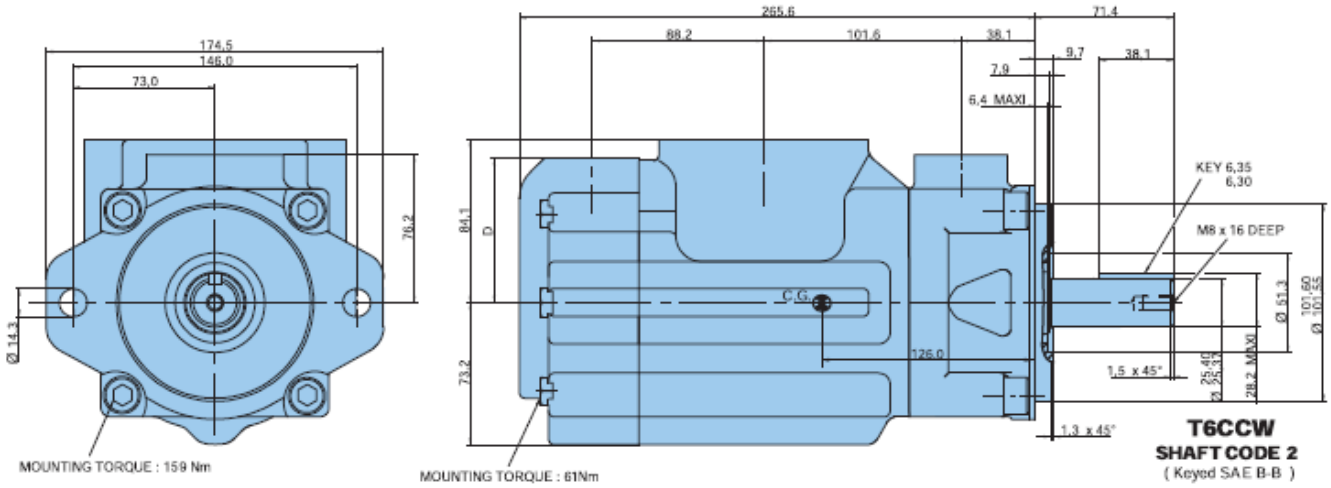
PERMISSIBLE RADIAL LOAD

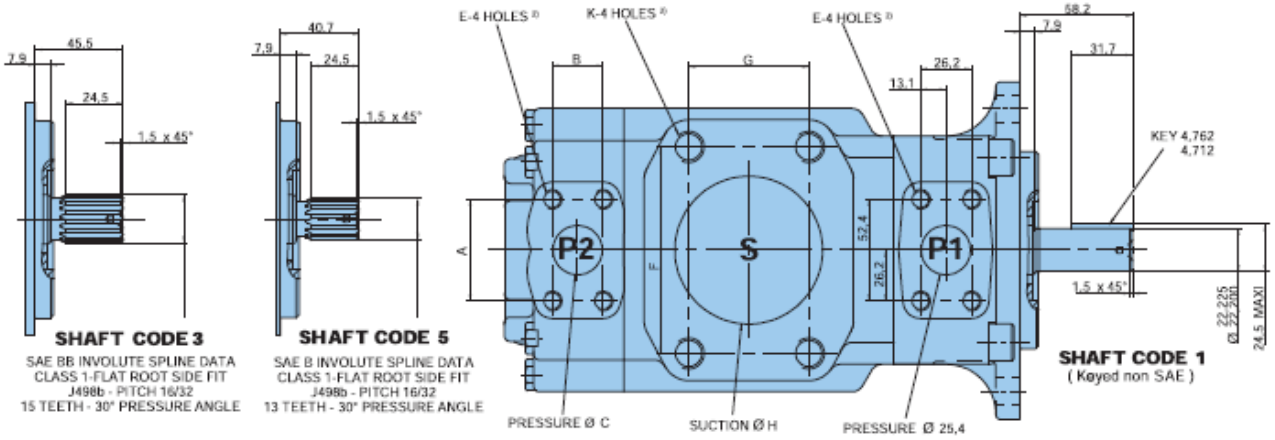


Speed n [RPM]

Maximum permissible axial load Fa = 800 N

T6CC - Dimensions - Weight : 26,0 kg





Alternate ports								
	S = 3"				S = 2.1/2" 2)			
Code	00	01 1)	0M	W0 1)	10	11 1)	1M	W1 1)
A	52,4	47,7	52,4	47,7	52,4	47,7	52,4	47,7
B	26,2	22,4	26,2	22,4	26,2	22,4	26,2	22,4
Ø C	25,4	19,0	25,4	19,0	25,4	19,0	25,4	19,0
D	74,7	76,2	74,7	76,2	74,7	76,2	74,7	76,2
E	3/8"-16 UNC x 19 deep		M10 x 19 deep		3/8"-16 UNC x 19 deep		M10 x 19 deep	
F	106,4				88,9			
G	61,9				50,9			
Ø H	76,2				63,5			
K	5/8"-11UNC x 28,4 deep		M16 x 28,4 deep		1/2"-13 UNC x 23,9 deep		M12 x 23,9 deep	

Shaft torque limits [ml/rev. x bar]	
Shaft	Vi x p max.
1	14300
2	21420
3	32670
5	20600

1) Max. cam 014 *2) P1 + P2 = 126 ml/rev. max.*

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Vi Volumetric displacement	Flow q_v [l/min] & n = 1500 RPM			Input power P [kW] & n = 1500 RPM		
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar
P1 & P2	003	10,8 ml/rev	16,2	11,2	7,7	1,3	5,3	8,4
	005	17,2 ml/rev	25,8	20,8	17,3	1,4	7,5	12,2
	006	21,3 ml/rev	31,9	26,9	23,4	1,5	8,9	14,7
	008	26,4 ml/rev	39,6	34,6	31,1	1,6	10,7	17,7
	010	34,1 ml/rev	51,1	46,1	42,6	1,7	13,4	22,3
	012	37,1 ml/rev	55,6	50,6	47,1	1,7	14,4	24,1
	014	46,0 ml/rev	69,0	64,0	60,5	1,9	17,6	29,5
	017	58,3 ml/rev	87,4	82,4	78,9	2,1	21,9	36,9
	020	63,8 ml/rev	95,7	90,7	87,2	2,2	23,8	40,2
	022	70,3 ml/rev	105,4	100,4	96,9	2,3	26,1	44,1
	025	79,3 ml/rev	118,9	113,9	110,4	2,5	29,2	49,5
	028	88,8 ml/rev	133,2	128,2	125,8 1)	2,8	32,7	48,5 1)
	031	100,0 ml/rev	150,0	145,0	142,6 1)	2,8	36,5	54,4 1)

1) 028 - 031 = 210 bar max. int. *2) Port connection can be supplied with metric threads, please contact Parker.*