

Ordering Code and Characteristics

Model No. T6GCC - B22 - B08 - 6 R 00 - B 1 - 00

Series P1 P2

Cam ring for "P1" & "P2"
(Delivery at 0 bar & 1500 r.p.m.)
 B03 = 16,2 l/min B17 = 87,4 l/min
 B05 = 25,8 l/min **B20 = 95,7 l/min**
 B06 = 31,9 l/min B22 = 105,4 l/min
 B08 = 39,6 l/min B25 = 118,9 l/min
 B10 = 51,1 l/min B28 = 133,2 l/min
B12 = 55,6 l/min B31 = 150,0 l/min
 B14 = 69,0 l/min

Type of shaft
6 = splined (DIN 5462)

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

Modification

Mounting W/connection variables

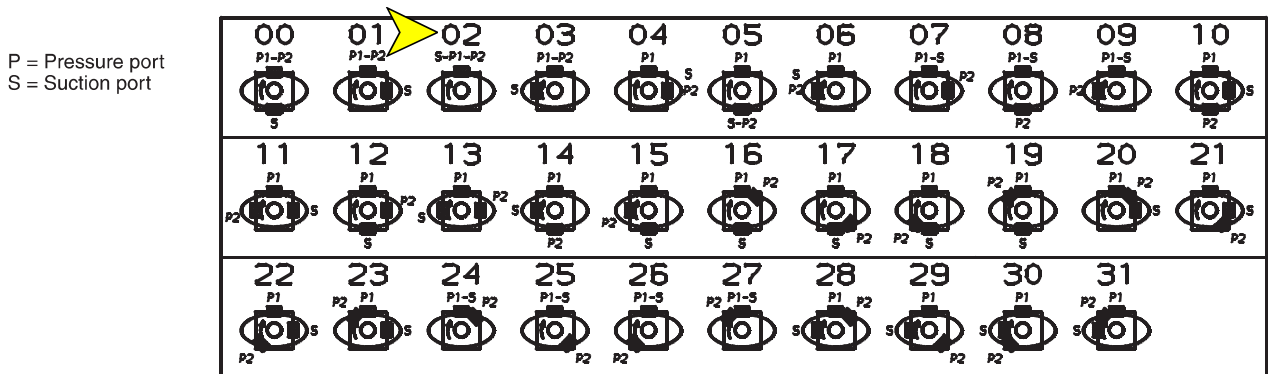
	P1 = 1" - S = 3"	P1 = 1" - S = 2.1/2"²)	
Code	00-0M	01-M0	10-1M
P2	1"	3/4" ¹)	1"
			3/4" ¹)

0 = UNC thread **M = metric thread**
 ¹) for 46 ml/rev. max.
 ²) for 126 ml/rev. max.
 The larger cartridge must always be mounted in the front.

Seal class
1 = S1 - BUNA N

Design letter

Porting combination
00 = standard



OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

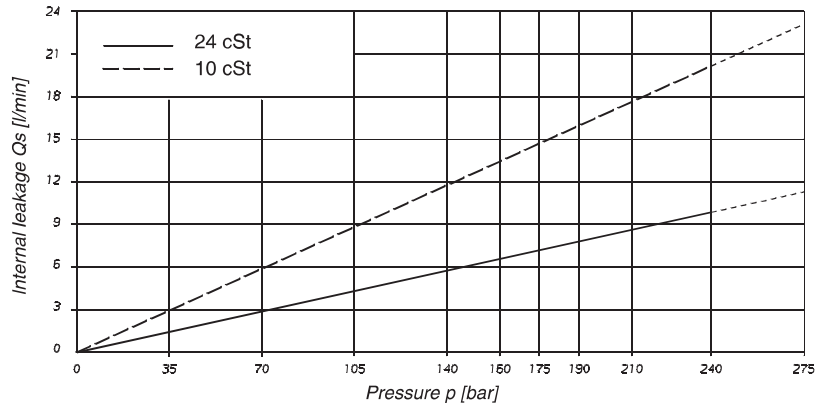
Series	Volumetric Displacement Vi	Speed n [R.P.M.]	Flow Q [l/min]			Input power P [kW]		
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar
B03	10,8 ml/rev	1000	10,8	-	-	1,0	-	-
		1500	16,2	10,7	-	1,3	5,3	-
B05	17,2 ml/rev	1000	17,2	11,7	-	1,1	5,1	-
		1500	25,8	20,3	15,8	1,4	7,5	12,2
B06	21,3 ml/rev	1000	21,3	15,8	11,3	1,1	6,0	10,0
		1500	31,9	26,5	22,0	1,5	8,9	14,7
B08	26,4 ml/rev	1000	26,4	20,9	16,4	1,2	7,2	12,1
		1500	39,6	34,1	29,6	1,6	10,7	17,7
B10	34,1 ml/rev	1000	34,1	28,6	24,1	1,3	8,9	15,1
		1500	51,1	45,7	41,2	1,7	13,4	22,3
B12	37,1 ml/rev	1000	37,1	31,6	27,1	1,3	9,6	16,3
		1500	55,6	50,2	45,7	1,7	14,4	24,1
B14	46,0 ml/rev	1000	46,0	40,5	36,0	1,4	11,7	19,9
		1500	69,0	63,5	59,0	1,9	17,6	29,5
B17	58,3 ml/rev	1000	58,3	52,8	48,3	1,6	14,5	24,8
		1500	87,4	82,0	77,5	2,1	21,9	36,9
B20	63,8 ml/rev	1000	63,8	58,3	53,8	1,6	15,8	27,0
		1500	95,7	90,2	85,7	2,2	23,8	40,2
B22	70,3 ml/rev	1000	70,3	64,8	60,3	1,7	17,3	29,6
		1500	105,4	100,0	95,5	2,3	26,1	44,1
B25 ¹⁾	79,3 ml/rev	1000	79,3	73,8	69,3	1,8	19,3	33,2
		1500	118,9	113,5	109,0	2,5	29,2	49,5
B28 ¹⁾	88,8 ml/rev	1000	88,8	83,3	80,1 ²⁾	1,9	21,9	32,5 ²⁾
		1500	133,2	127,7	124,5 ²⁾	2,8	32,7	48,5 ²⁾
B31 ¹⁾	100,0 ml/rev	1000	100,0	94,5	91,3 ²⁾	2,0	24,4	36,4 ²⁾
		1500	150,0	144,5	141,3 ²⁾	2,8	36,5	54,4 ²⁾

¹⁾ B25 - B28 - B31 = 2500 R.P.M. max.

²⁾ B28 - B31 = 210 bar max. int.

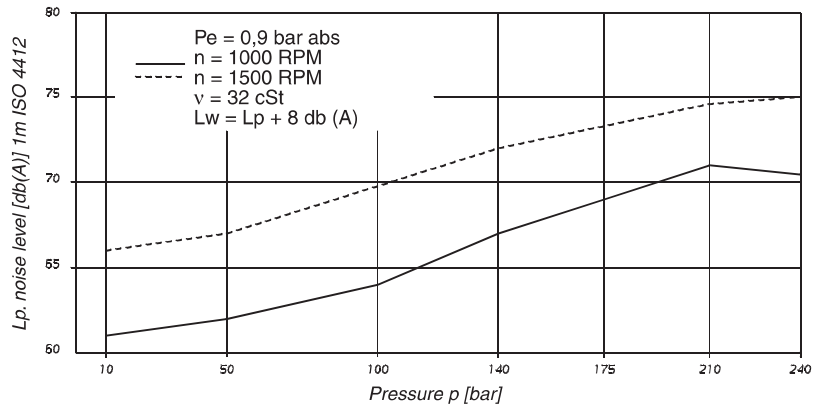
- Not to use if the internal leakage is greater than 50% of the theoretical flow.

INTERNAL LEAKAGE (TYPICAL)



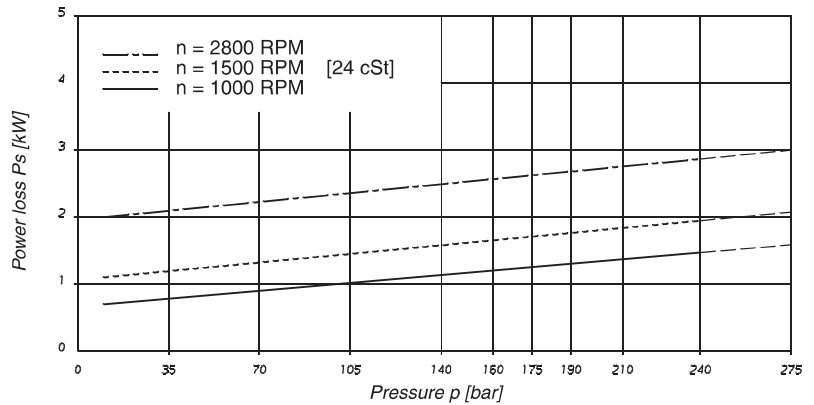
Do not operate pump more than 5 seconds at any speed or viscosity if the internal leakage is more than 50% of the theoretical flow.

NOISE LEVEL (TYPICAL)
T6GCC - B22 - B22



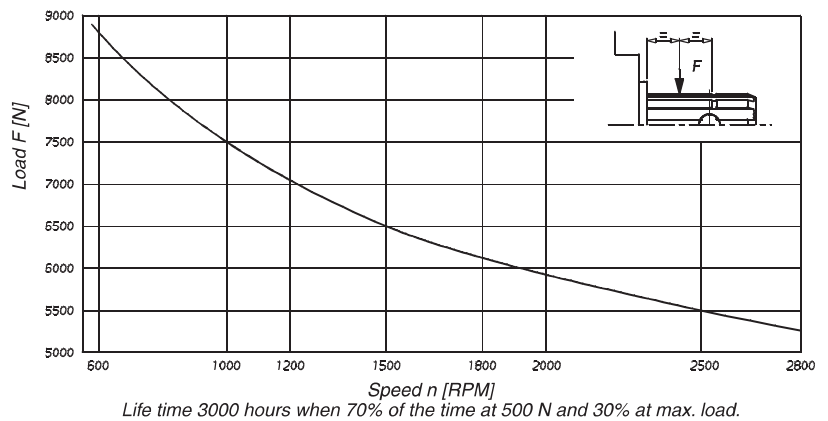
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)



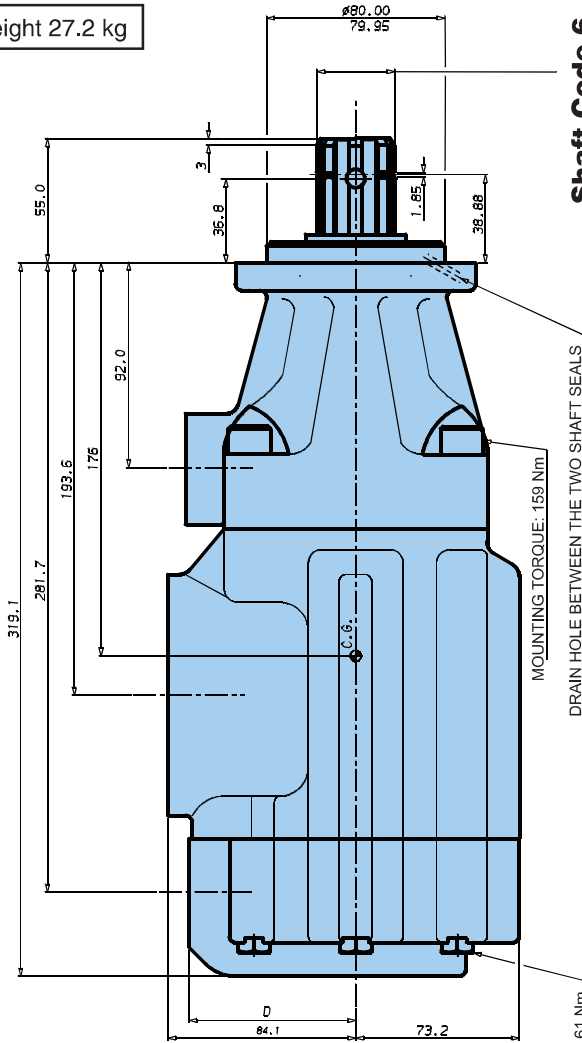
Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD - T6GCC



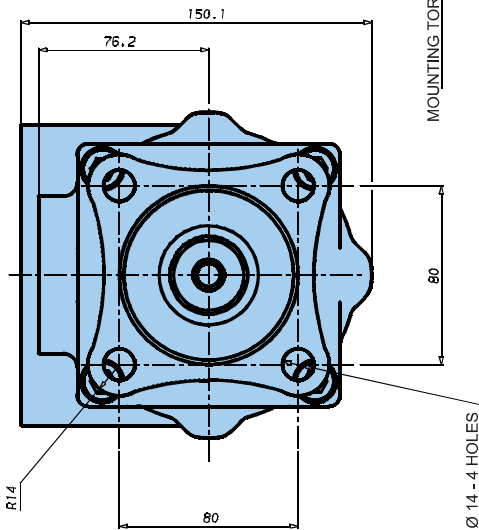
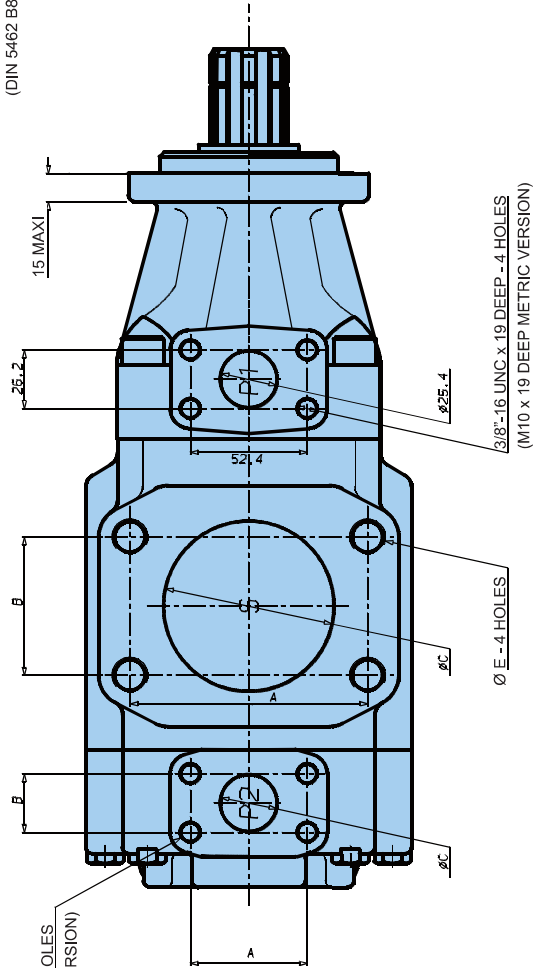
Life time 3000 hours when 70% of the time at 500 N and 30% at max. load.

Weight 27.2 kg



Shaft Code 6

(DIN 5462 B8-32-36)



Shaft torque limits [ml/rev. x bar]	
Pump	Shaft
T6GCC	6
V1 x p max P1 + P2	
32670	

Port	Code	A	B	C	D	E
S	3"	106.4	61.9	76.2		5/8" - 11 x 28.4 deep M16 x 28.4 deep - metric version
S	2.1/2"	88.9	50.8	63.5		1/2" - 13 x 23.9 deep M12 x 23.9 deep - metric version
P1	1"	52.4	26.2	25.4	76.2	
P2	3/4"	47.7	22.4	19.0	76.2	
P2	1"	52.4	26.2	25.4	74.7	