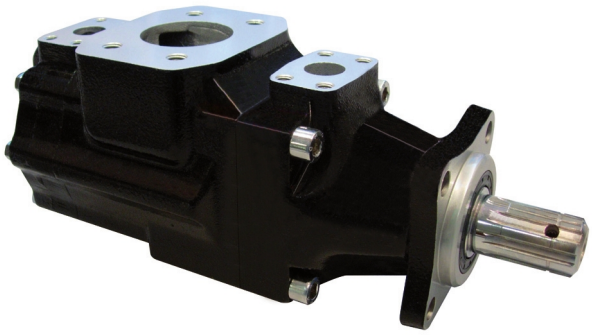

FEATURES

These pumps are specially designed for PTO drives for direct installation (Tipping trucks, refuse trucks, cranes...)

These T6 and T67 series vane pumps have been equipped with B or C cartridges in mobile version. The combination of different cartridges in single and double pumps allows low flow at high pressure and high flow at lower pressure. This is the clever way to optimize your circuit design. In double pumps, the large suction port is common.

GREATER FLOW

B size cartridge : 5,8 to 50,0 ml/rev.
C size cartridge :10,8 to 100,0 ml/rev.

HIGHER PRESSURE

B size cartridge : 300 bar max.
C size cartridge : 275 bar max.

WIDE SPEED RANGE

400 to 2800 RPM.

BETTER EFFICIENCY

Over 94% under high pressure, which increases the productivity and reduces the heating and operations costs.

HIGH SHAFT LOAD CAPABILITY

High shaft load capability up to 7500 N radial load on T6GC shaft.

LOW NOISE LEVELS

Increases operator safety and eases machines acceptances.

MOUNTING FLEXIBILITY

Single pump : 4 different positions
Double pump : 32 different positions

CARTRIDGE DESIGN

Interchangeable cartridges permit easy conversion and service at a minimum cost and minimum contamination risk.

WIDE RANGE OF ACCEPTABLE VISCOSITIES

Viscosities from 2000 to 10 cSt permit colder starts and hotter running. The balanced design compensates for wear and temperature changes.

FIRE RESISTANT FLUIDS AND BIODEGRADABLE FLUIDS

Phosphate esters, organic esters, chlorinated hydrocarbons, water glycols rapeseed may be pumped at high pressures and with long service life by these pumps.

GENERAL CHARACTERISTICS

	Mounting standard	Weight without connector and bracket - kg	Moment of inertia $kgm^2 \times 10^{-4}$	SAE 4 bolts J518c - ISO/DIS 6162-1		
				Suction	Pressure	
T6ZC	3 bolts	14,1	8,6	1.1/2”	1” BSPP threads	
T6GC/T67GB	R. 17 - 102	18,0	9,1	1.1/2”	1” SAE threads	
					P1	P2
T6GCC	R. 17 - 102	27,2	15,9	3”	1”	1”
				3”	1”	3/4”
				2.1/2”	1”	1”
				2.1/2”	1”	3/4”

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T6GCC - B25 - B10 - 6 R 08 - A 1 - M1

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	11-M1
P2	1"	3/4" [1]	1"	3/4" [1]

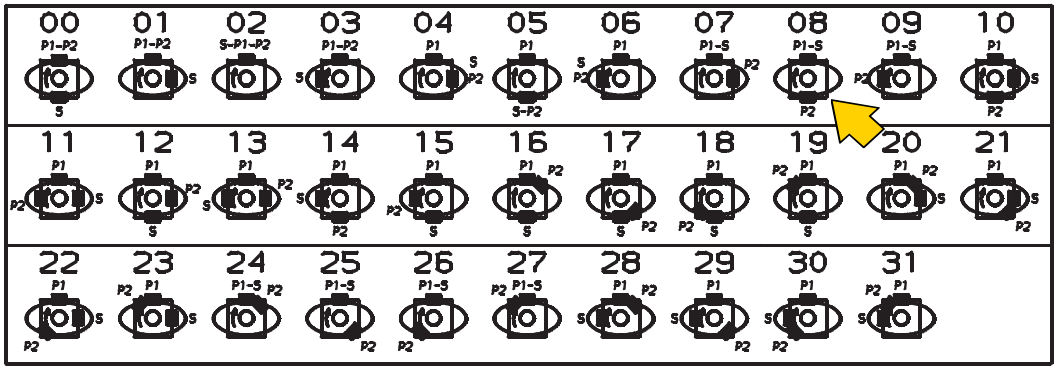
0 = UNC thread M = metric thread
[1] for 46 ml/rev. max.
[2] for 126 ml/rev. max.
The larger cartridge must always be mounted in the front.

Seal class
1 = S1 - BUNA N

Design letter

Porting combination
00 = standard

P = Pressure port
S = Suction port



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

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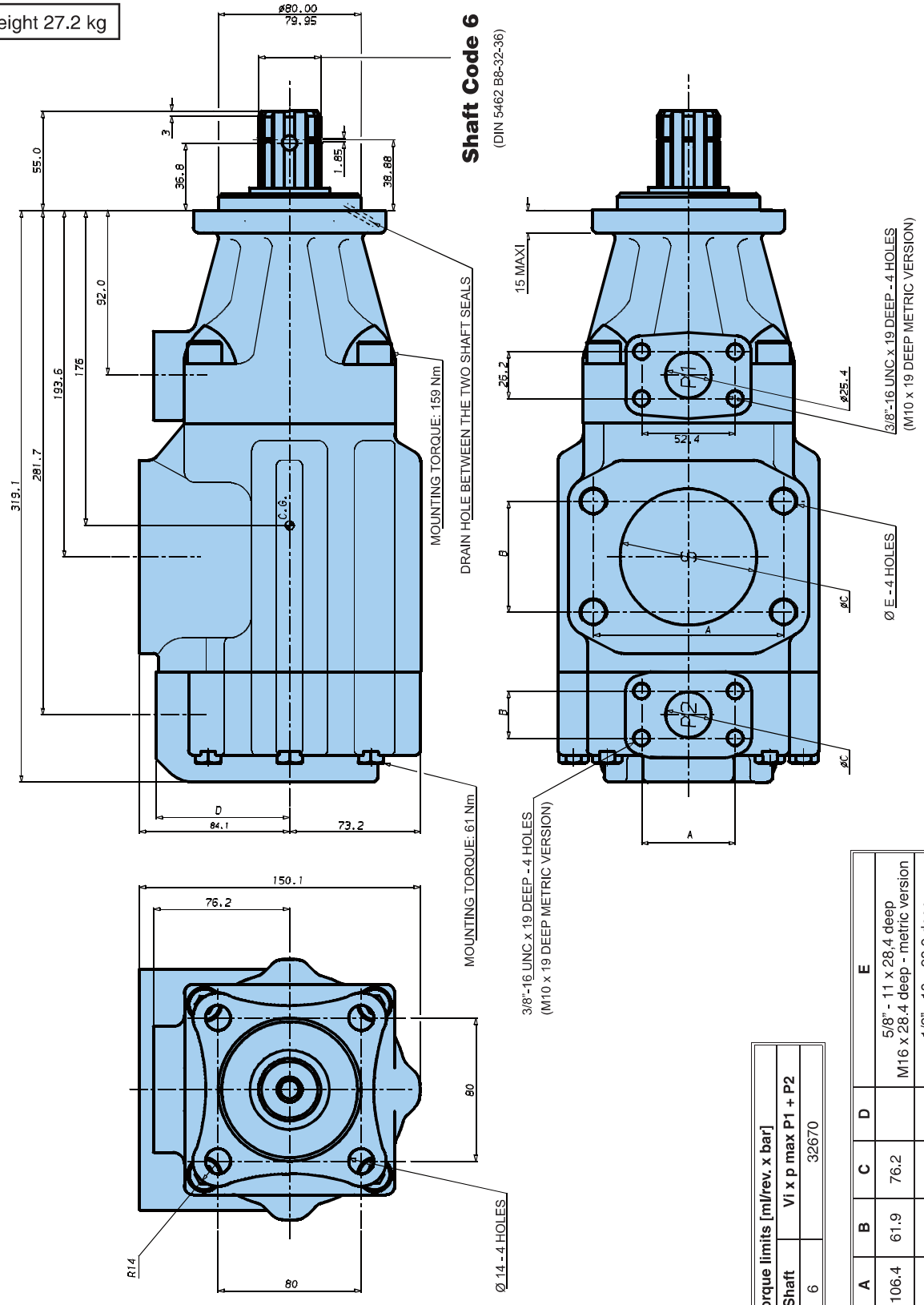
Weight 27.2 kg



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

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