Mobile Hydraulic Pumps
T6DCCM

Hydraulic Pumps

Parker

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Model No. T6DCCM - B38 - B28 - B08 - 1 R 00 - B 1 - 00

Series

Cam ring for "P1"
(Delivery at 0 bar & 1500 r.p.m.)

B14 = 71,4 l/min	B35 = 166,5 l/min
B17 = 87,3 l/min	B38 = 180,4 l/min
B20 = 99,0 l/min	B42 = 204,0 l/min
B24 = 119,3 l/min	B45 = 218,5 l/min
B28 = 134,5 l/min	B50 = 237,0 l/min
B31 = 147,4 l/min	

Cam ring for "P2" & "P3"
(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	

P1 P2 P3

Modification

Mounting W/connection variables

Type	UNC		Metric	
P3	1"	3/4"	1"	3/4"
Code	00	01	M0	M1

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

Design letter

Porting combination (see pages 34 - 35)
00 = standard

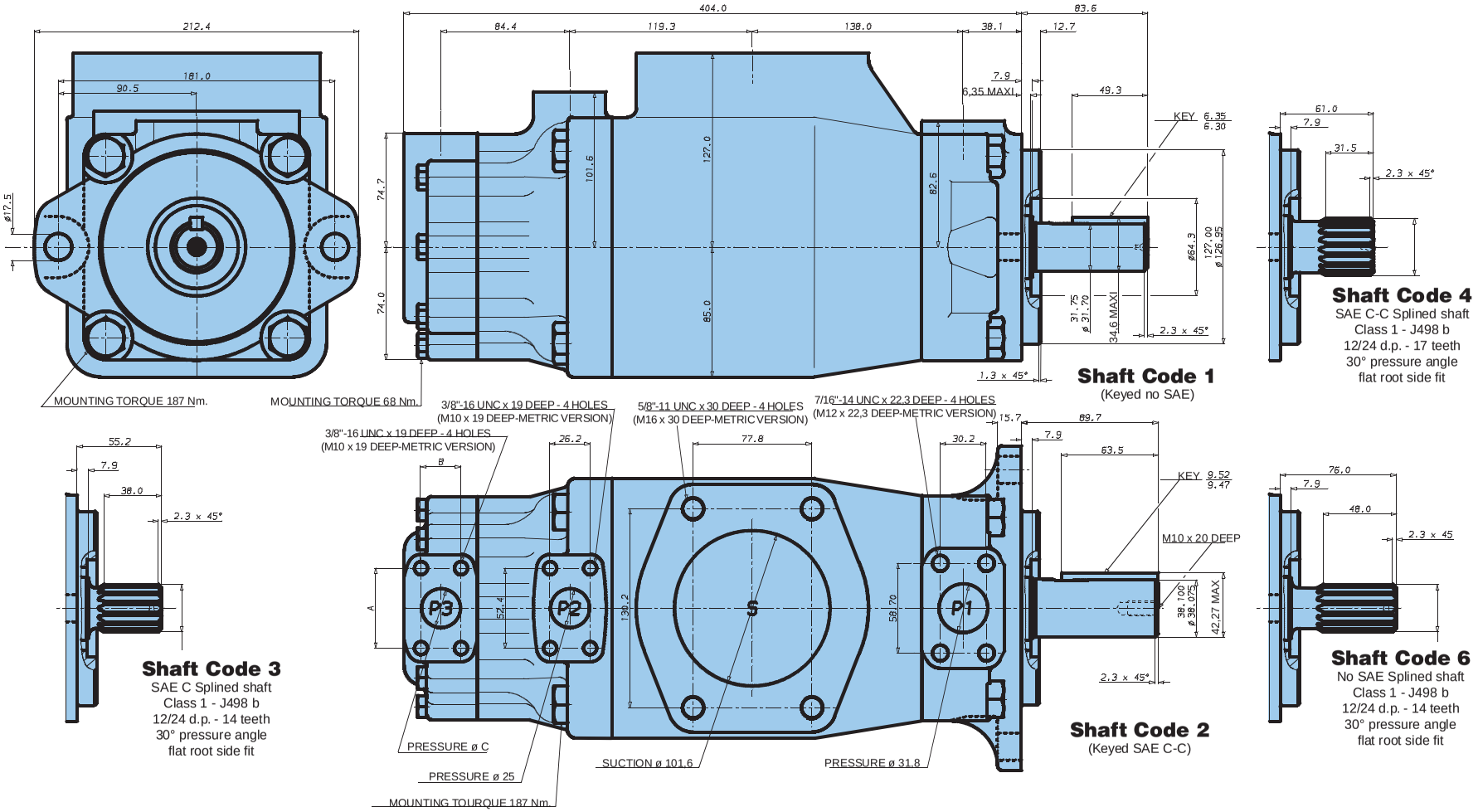
Direct. of rotation (view on shaft end)
R = clockwise
L = counter-clockwise

Type of shaft
1 = keyed (no SAE)
2 = keyed (SAE CC)
3 = splined (SAE C)
4 = splined (SAE CC)
6 = splined (no SAE)

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Volumetric Displacement Vi	Flow Q [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	B14	47.6 ml/rev	71.4	62.1	55.9	2.3	18.5.	30.6
	B17	58.2 ml/rev	87.3	78.0	71.8	2.5	22.2	37.0
	B20	66.0 ml/rev	99.0	89.7	83.5	2.8	24.9	41.7
	B24	79.5 ml/rev	119.3	110.0	103.8	3.0	29.6	49.8
	B28	89.7 ml/rev	134.5	125.2	119.0	3.2	33.2	55.9
	B31	98.3 ml/rev	147.4	138.1	131.9	3.3	36.2	61.0
	B35	111.0 ml/rev	166.5	157.2	151.0	3.5	40.7	68.7
	B38	120.3 ml/rev	180.4	171.1	164.9	3.7	43.9	74.3
	B42[2)]	136.0 ml/rev	204.0	194.7	188.5	4.0	49.4	83.7
	B45[2)]	145.7 ml/rev	218.5	209.2	203.0	4.1	52.8	89.5
	B50[2)]	158.0 ml/rev	237.0	227.7	224.0[1)]	4.4	57.0	85.0[1)]
P2 & P3	B03	10.8 ml/rev	16.2	10.7	-	1.3	5.3	-
	B05	17.2 ml/rev	25.8	20.3	15.8	1.4	7.5	12.2
	B06	21.3 ml/rev	31.9	26.5	22.0	1.5	8.9	14.7
	B08	26.4 ml/rev	39.6	34.1	29.6	1.6	10.7	17.7
	B10	34.1 ml/rev	51.1	45.7	41.2	1.7	13.4	22.3
	B12	37.1 ml/rev	55.6	50.2	45.7	1.7	14.4	24.1
	B14	46.0 ml/rev	69.0	63.5	59.0	1.9	17.6	29.5
	B17	58.3 ml/rev	87.4	82.0	77.5	2.1	21.9	36.9
	B20	63.8 ml/rev	95.7	90.2	85.7	2.2	23.8	40.2
	B22	70.3 ml/rev	105.4	100.0	95.5	2.3	26.1	44.1
	B25	79.3 ml/rev	118.9	113.5	109.0	2.5	29.2	49.5
	B28	88.8 ml/rev	133.2	127.7	124.5[1)]	2.8	32.7	48.5[1)]
	B31	100.0 ml/rev	150.0	144.5	141.3[1)]	2.8	36.5	54.4[1)]

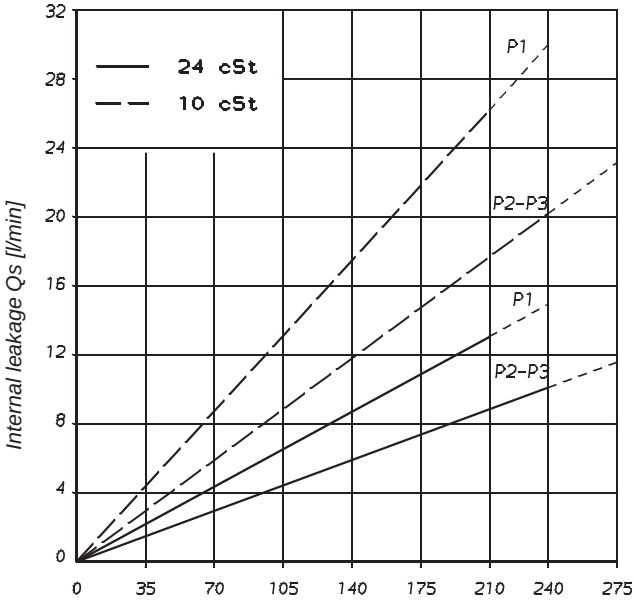
[1)] B28 - B31 - B50 = 210 bar max. int. *[2)] B42 - B45 - B50 = 2200 R.P.M. max*
- Not to use because internal leakage greater than 50% theoretical flow



Shaft torque limits [ml/rev x bar]				
Pump	Shaft	Vi x p max. P1 + P2 + P3	Shaft	Vi x p max. P1 + P2 + P3
T6DCCM	1	43240	3	61200
	2	66500	4	66500

Alternate port				
Port	Code	A	B	C
P3	00 & M0	52.4	26.2	25.4
P3	01 & M1	47.6	22.2	19.0

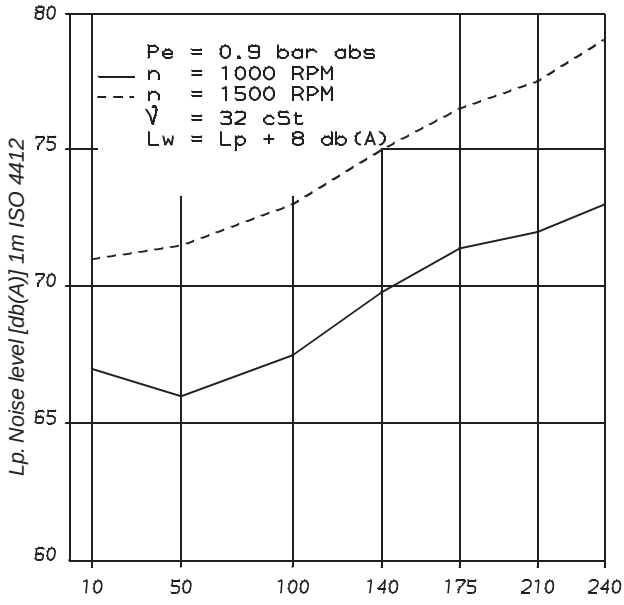
INTERNAL LEAKAGE (TYPICAL)



Pressure p [bar]

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

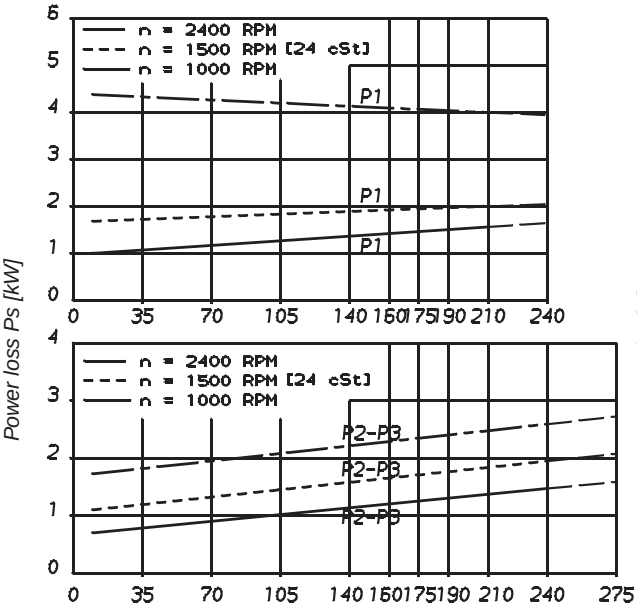
NOISE LEVEL (TYPICAL)
T6DCCM - B38 - B22 - B22



Pressure p [bar]

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

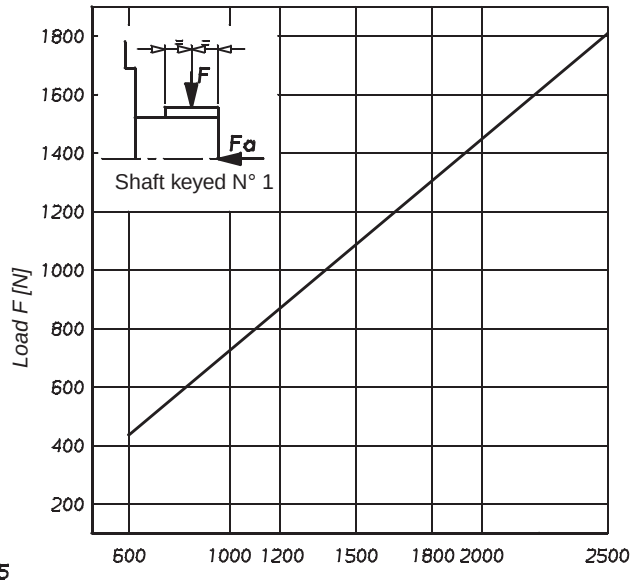
POWER LOSS HYDROMECHANICAL (TYPICAL)



Pressure p [bar]

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

PERMISSIBLE RADIAL LOAD



Speed n [RPM]

Maximum permissible axial load Fa = 800 N