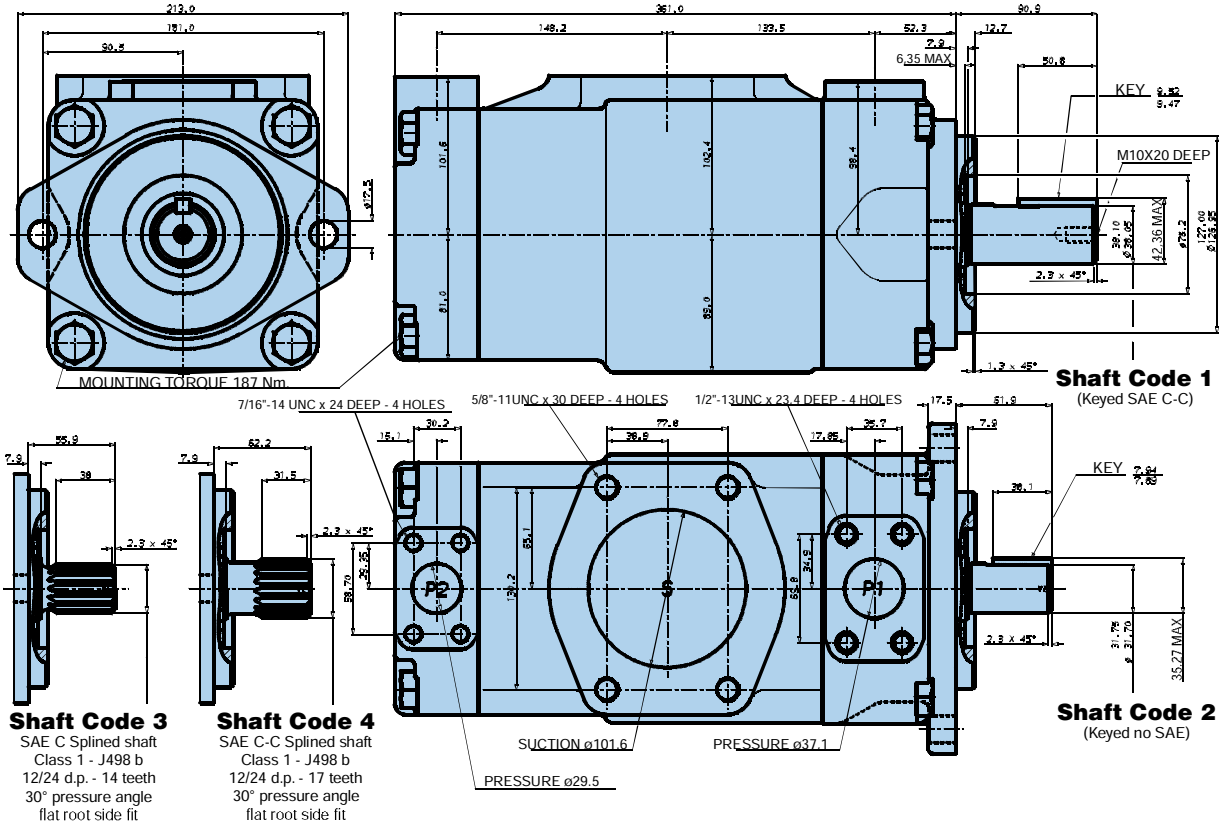


Shaft torque limits [ml/rev x bar]		
Pump	**Shaft**	**Vi x p max. P1 + P2**
T6EDM	1	72300
	2	34590
	3	61200
	4	68500

Additional T6EDM shaft code T: see page 33
Additional T6EDP version shaft see page 33

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Volumetric Displacement Vi	Flow Q [l/min] & n = 1500 RPM			Flow Q [l/min] & n = 1500 RPM		
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar
P1	042	132,3 ml/rev	198,5	188,5	181,3	5,2	49,4	82,6
	045	142,4 ml/rev	213,6	203,6	196,5	5,4	52,9	88,7
	050	158,5 ml/rev	237,7	227,7	220,6	5,7	58,5	98,3
	052	164,8 ml/rev	247,2	237,2	230,1	5,8	60,8	102,1
	062	196,7 ml/rev	295,0	285,0	277,9	6,4	71,9	121,3
	066	213,3 ml/rev	319,9	309,9	302,8	6,7	77,7	131,2
	072	227,1 ml/rev	340,6	330,6	323,5	6,9	82,6	139,5
P2	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	136,0 ml/rev	204,0	194,7	188,5	4,0	49,4	83,7
	B45	145,7 ml/rev	218,5	209,2	203,0	4,1	52,8	89,5
	B50	158,0 ml/rev	237,0	227,7	224,0[1)]	4,4	57,0	85,0[1)]

[1)] B50 = 210 bar max. int. *Port connection can be furnished with metric threads.*

Parker Hannifin SAS
VPDE, Denison Vane Pumps
Vierzon - France

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

Series — P1 P2 P3

Cam ring for "P1"
(Delivery at 0 bar & 1500 r.p.m.)
B14 = 71,4 l/min
B17 = 87,3 l/min
B20 = 99,0 l/min
B24 = 119,3 l/min
B28 = 134,5 l/min
B31 = 147,4 l/min
B35 = 166,5 l/min
B38 = 180,4 l/min
B42 = 204,0 l/min
B45 = 218,5 l/min
B50 = 237,0 l/min

Cam ring for "P2" & "P3"
(Delivery at 0 bar & 1500 r.p.m.)
B03 = 16,2 l/min
B05 = 25,8 l/min
B06 = 31,9 l/min
B08 = 39,6 l/min
B10 = 51,1 l/min
B12 = 55,6 l/min
B14 = 69,0 l/min
B17 = 87,4 l/min
B20 = 95,7 l/min
B22 = 105,4 l/min
B25 = 118,9 l/min
B28 = 133,2 l/min
B31 = 150,0 l/min

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

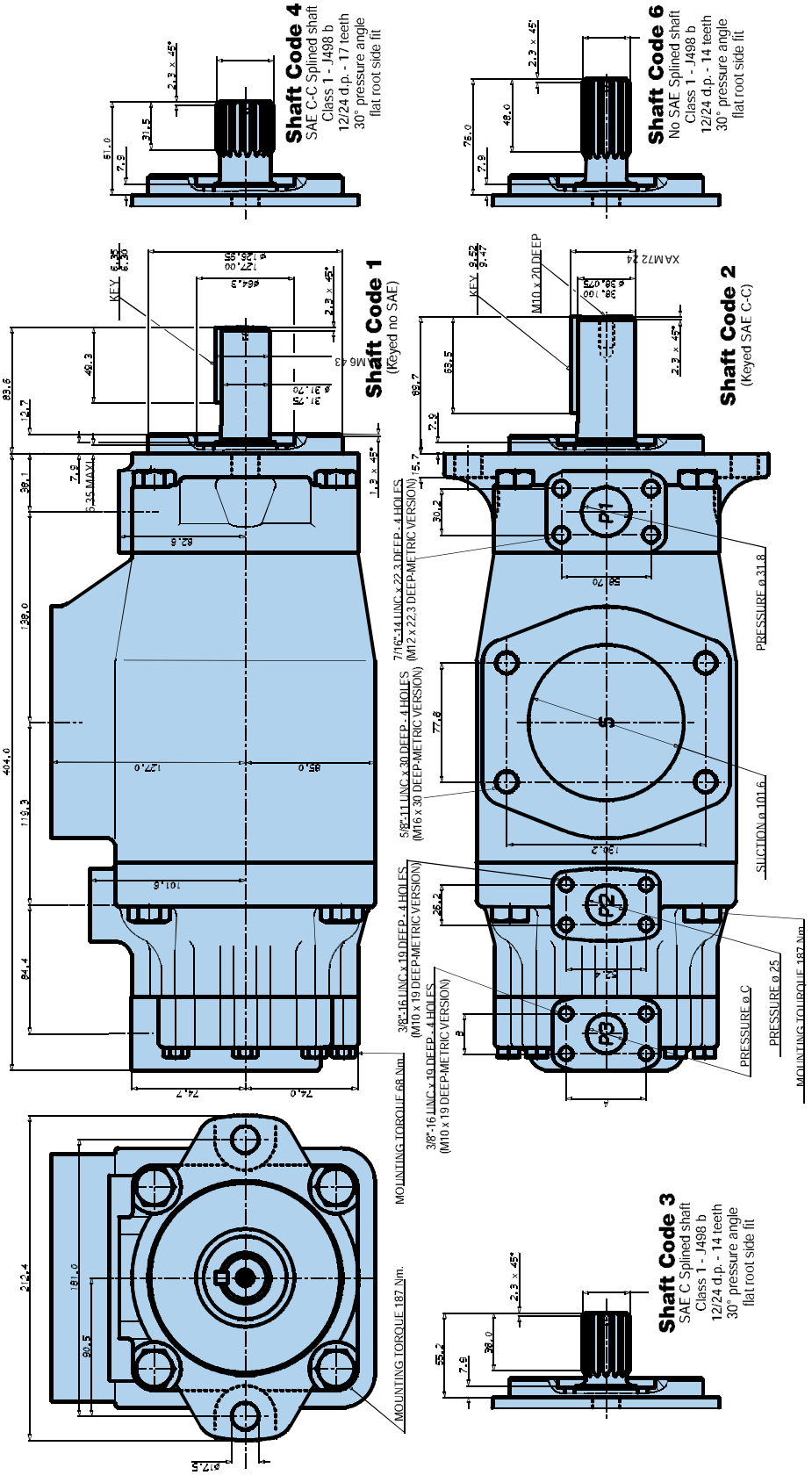
Direct. of rotation (view on shaft end)
R = clockwise
L = counter-clockwise

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)]

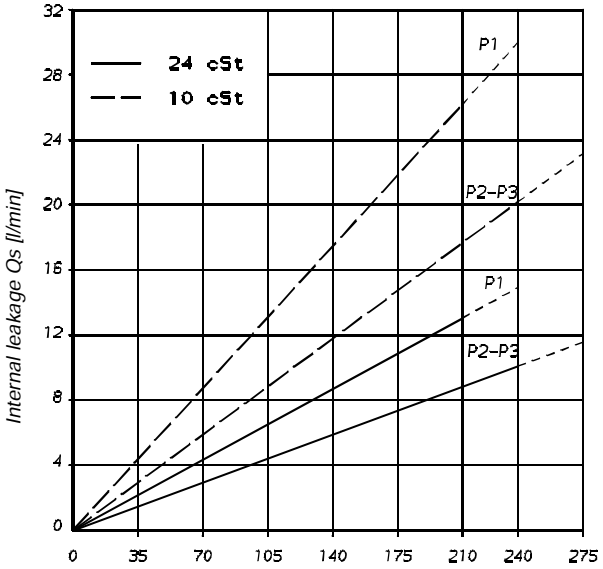
[1)] B28 - B31 - B50 = 210 bar max. int. *[2)] B42 - B45 - B50 = 2200 R.P.M. max*
- Not to use because internal leakage greater than 50% theoretical flow



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

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

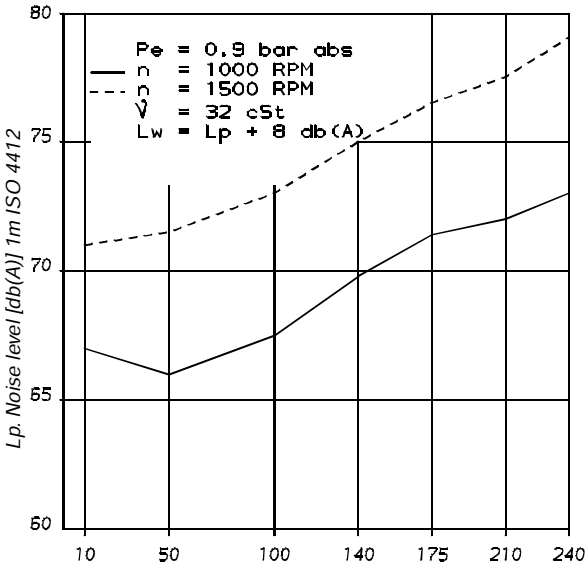
INTERNAL LEAKAGE (TYPICAL)



Pressure p [bar]

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

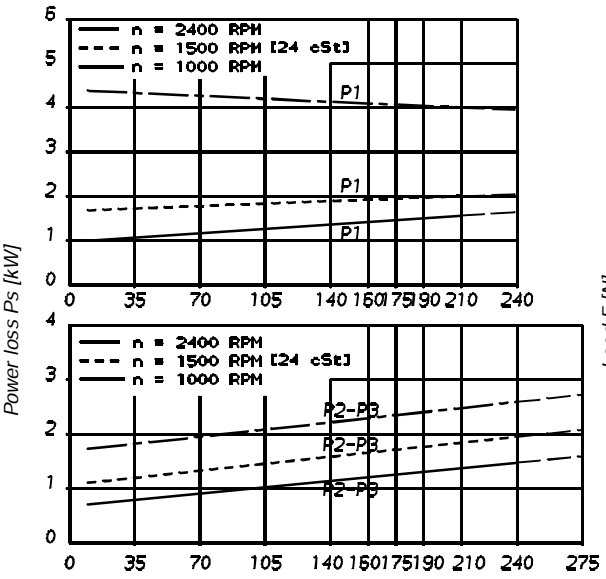
NOISE LEVEL (TYPICAL)
T6DCCM - B38 - B22 - B22



Pressure p [bar]

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

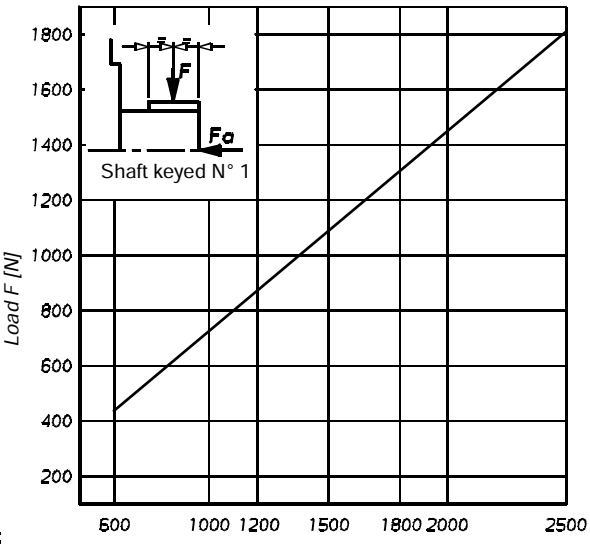
POWER LOSS HYDROMECHANICAL (TYPICAL)



Pressure p [bar]

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

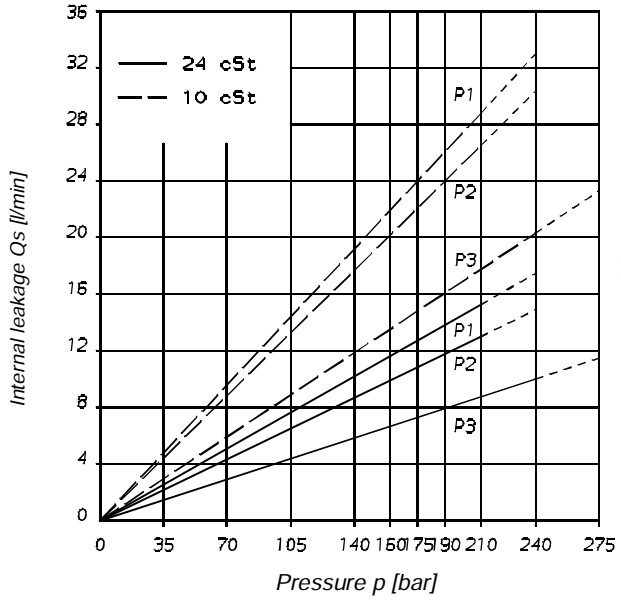
PERMISSIBLE RADIAL LOAD



Speed n [RPM]

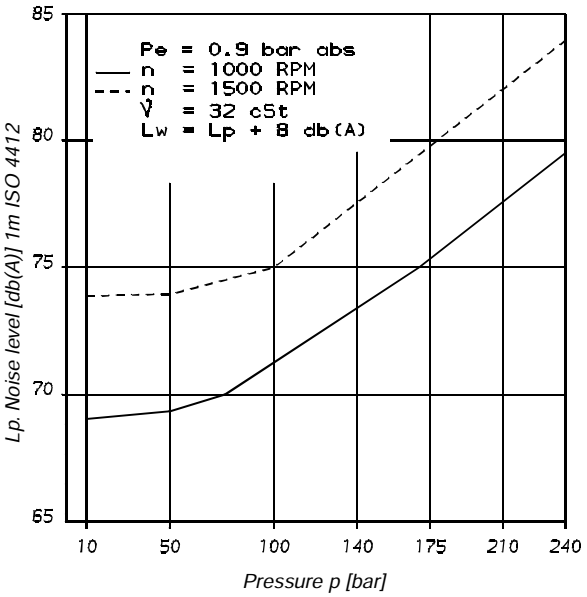
Maximum permissible axial load Fa = 800 N

INTERNAL LEAKAGE (TYPICAL)



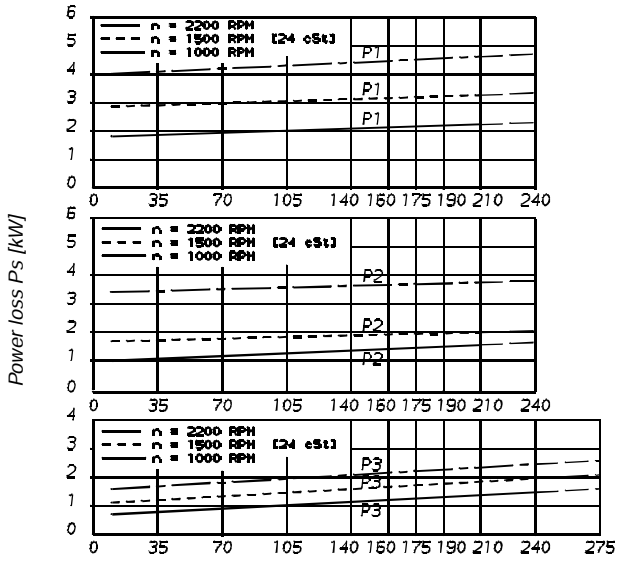
Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T6EDCM - 062 - B35 - B17



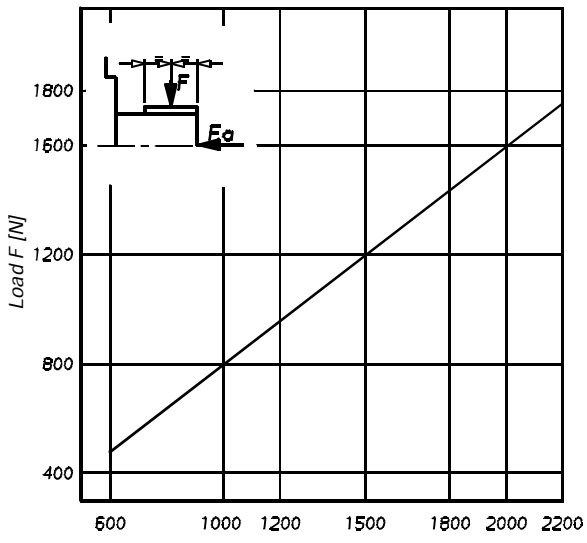
Triple pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

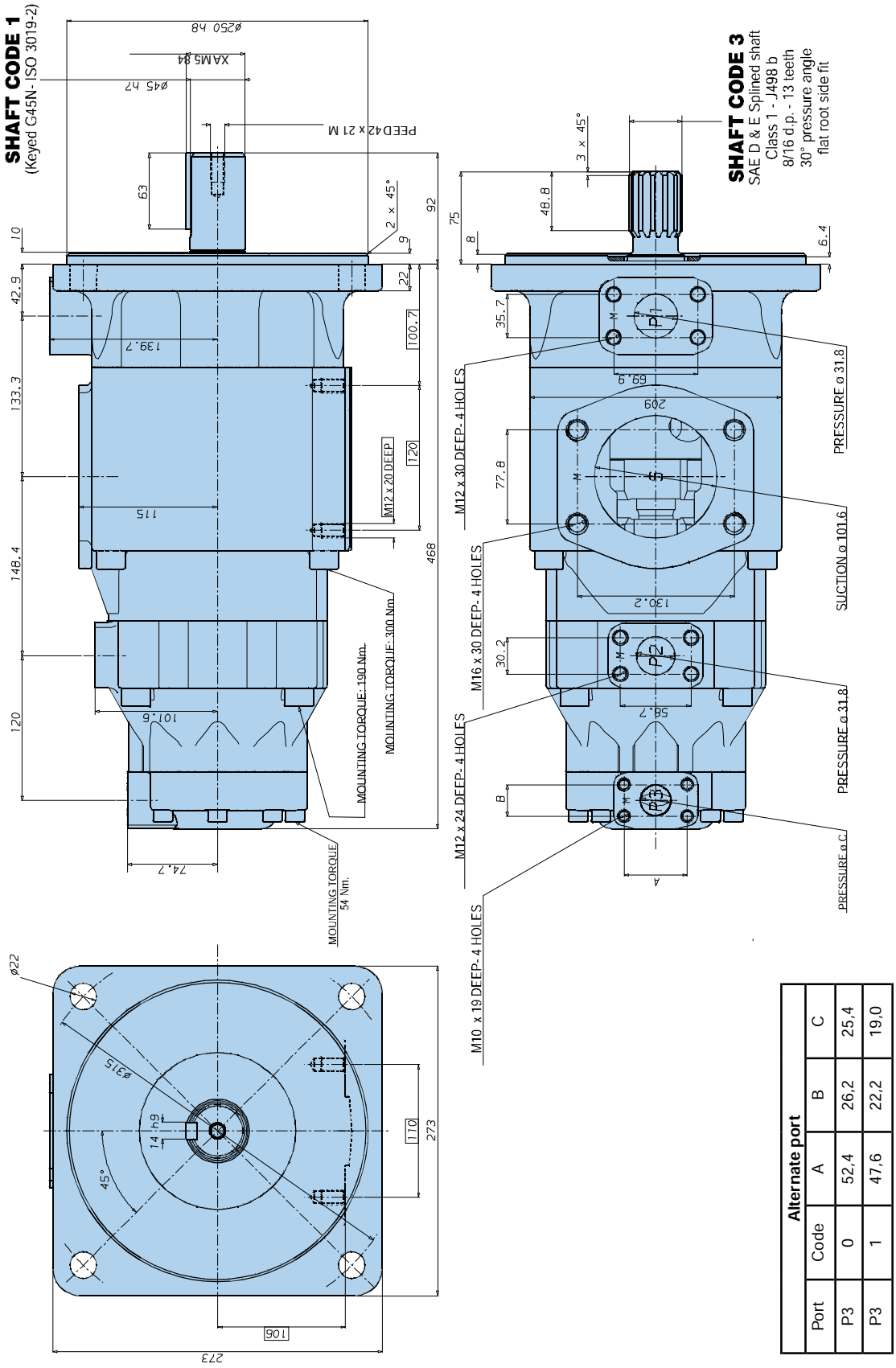


Total hydrodynamic power loss is the sum of each section at its operating conditions.

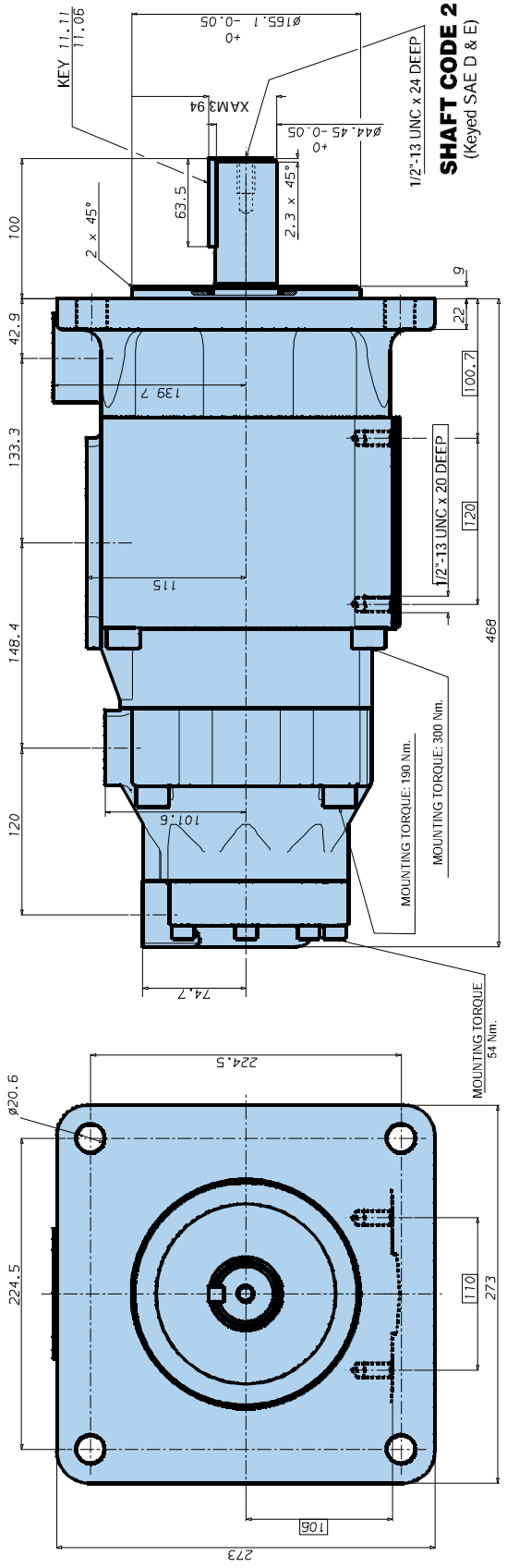
PERMISSIBLE RADIAL LOAD

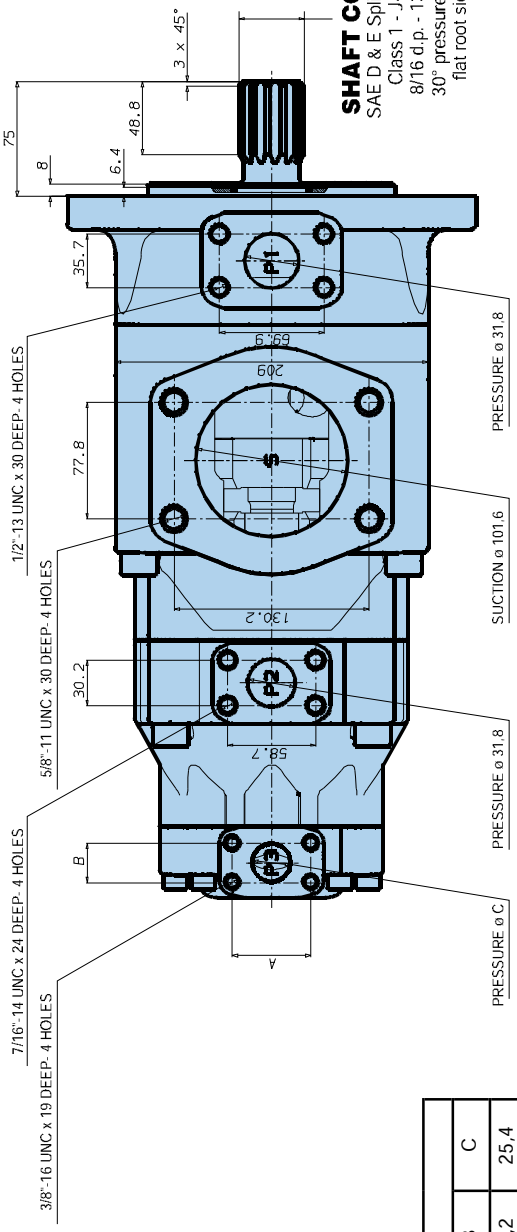


Maximum permissible axial load Fa = 2000 N



Alternate port				
Port	Code	A	B	C
P3	0	52,4	26,2	25,4
P3	1	47,6	22,2	19,0





Alternate port				
Port	Code	A	B	C
P3	0	52,4	26,2	25,4
P3	1	47,6	22,2	19,0

Model No. T6EDCS / T6EDCM - 062 - B35 - B17 - 1 R 00- A 1 - P 0 -

Series

Cam ring for "P1" (Delivery at 0 bar & 1500 r.p.m.)
042 = 198,5 l/min
045 = 213,6 l/min
050 = 237,7 l/min
052 = 247,2 l/min
062 = 295,0 l/min
066 = 319,9 l/min
072 = 340,6 l/min

Cam ring for "P2" (Delivery at 0 bar & 1500 r.p.m.)
B14 = 71,4 l/min
B17 = 87,3 l/min
B20 = 99,0 l/min
B24 = 119,3 l/min
B28 = 134,5 /min
B31 = 147,4 l/min
B35 = 166,5 l/min
B38 = 180,4 l/min
B42 = 204,0 l/min
B45 = 218,5 l/min
B50 = 237,0 l/min

Cam ring for "P3" (Delivery at 0 bar & 1500 r.p.m.)
B03 = 16,2 l/min
B05 = 25,8 l/min
B06 = 31,9 l/min
B08 = 39,6 l/min
B10 = 51,1 l/min
B12 = 55,6 l/min
B14 = 69,0 l/min
B17 = 87,4 l/min
B20 = 95,7 l/min
B22 = 105,4 l/min
B25 = 118,9 l/min
B28 = 133,2 l/min
B31 = 150,0 l/min

Modification

Mounting W/connection variables
0 = P3 = 1" SAE
1 = P3 = 3/4" SAE

Options
P = 4 holes for external support

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 (G45N - ISO 3019-2) (T6EDCM)
2 = keyed (SAE D & E) (T6EDCS)
3 = splined (SAE D & E) (T6EDCM-T6EDCS)

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	042	132.3 ml/rev	198.5	188.5	181.3	5.2	49.4	82.6
	045	142.4 ml/rev	213.6	203.6	196.5	5.4	52.9	88.7
	050	158.5 ml/rev	237.7	227.7	220.6	5.7	58.5	98.3
	052	164.8 ml/rev	247.2	237.2	230.1	5.8	60.8	102.1
	062	196.7 ml/rev	295.0	285.0	277.9	6.4	71.9	121.3
	066	213.3 ml/rev	319.9	309.9	302.8	6.7	77.7	131.2
	072	227.1 ml/rev	340.6	330.6	323.5	6.9	82.6	139.5
P2	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	136.0 ml/rev	204.0	194.7	188.5	4.0	49.4	83.7
	B45	145.7 ml/rev	218.5	209.2	203.0	4.1	52.8	89.5
	B50	158.0 ml/rev	237.0	227.7	224.0[1)]	4.4	57.0	85.0[1)]
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	80.0	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.* *- Not to use because internal leakage greater than 50% theoretical flow*