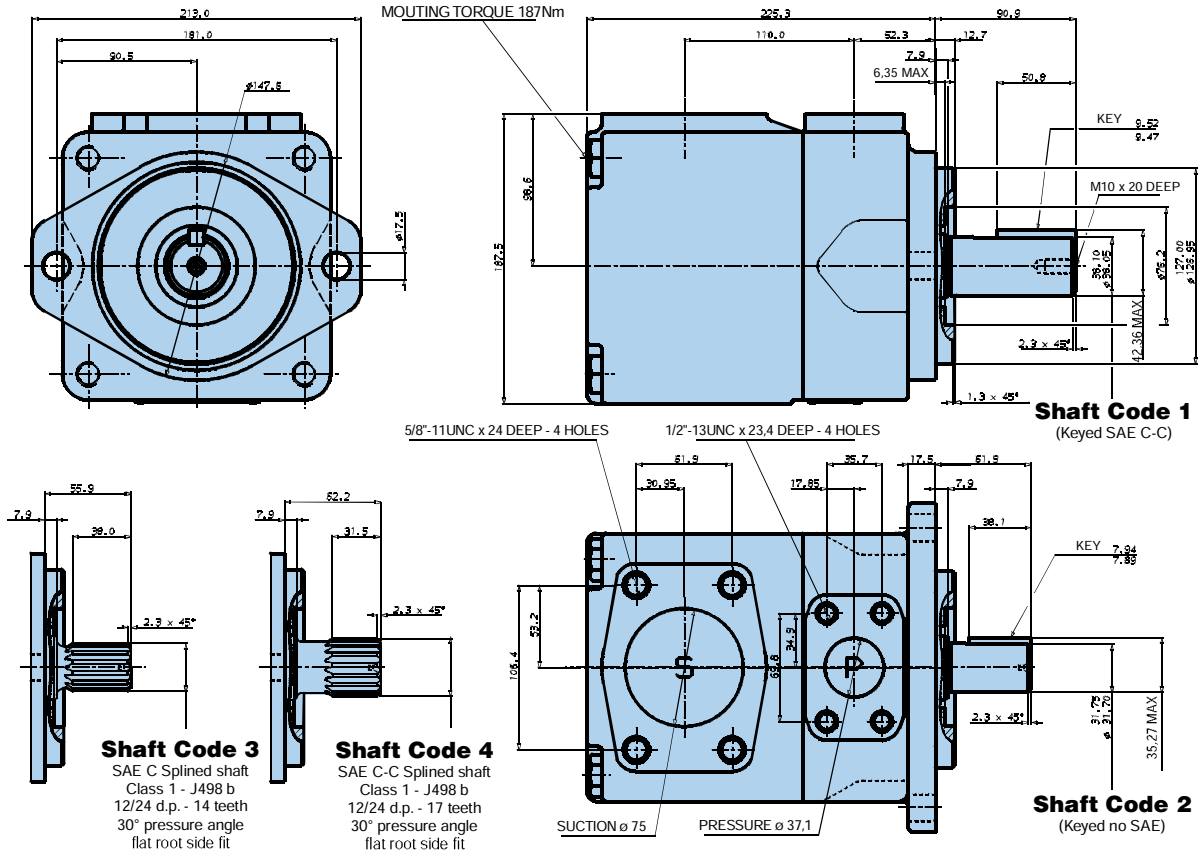


Additional T6EM shaft code T: see page 33
Additional T6EP version shaft see page 33

Shaft torque limits [ml/rev x bar]		
Pump	**Shaft**	**Vi x p max.**
T6EM	1	54500
	2	34590
	3	61200
	4	61200

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
042	132,3 ml/rev	1000 1500	132,3 198,5	122,3 188,5	115,2 181,3	3,2 5,2	32,9 49,4	55,2 82,6
045	142,4 ml/rev	1000 1500	142,4 213,6	132,4 203,6	125,3 196,5	3,4 5,4	35,3 52,9	59,2 88,7
050	158,5 ml/rev	1000 1500	158,5 237,7	148,5 227,7	141,4 220,6	3,5 5,7	39,0 58,5	65,6 98,3
052	164,8 ml/rev	1000 1500	164,8 247,2	154,8 237,2	147,7 230,1	3,6 5,8	40,5 60,8	68,2 102,1
062	196,7 ml/rev	1000 1500	196,7 295,0	186,7 285,0	179,6 277,9	4,0 6,4	47,9 71,9	80,9 121,3
066	213,3 ml/rev	1000 1500	213,3 319,9	203,3 309,9	196,2 302,8	4,2 6,7	51,8 77,7	87,6 131,2
072	227,1 ml/rev	1000 1500	227,1 340,6	217,1 330,6	210,0 323,5	4,3 6,9	55,0 82,6	93,1 139,5

Port connection can be furnished with metric threads.

Model No. **T6CC* W - B22 - B08 - 1 R 00 - D 1 - 00**

Series M = Mobile 1 shaft seal
Series P = Mobile 2 shaft seals
Use for severe duty shaft only*
Cam ring for "P1" & "P2"
(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

P1 P2

Type of shaft
M version
1 = keyed (no SAE)
3 = splined (SAE BB)
5 = splined (SAE B)
P version
3 = splined (no SAE)
4 = splined (SAE BB)
6 = splined (no SAE)

Type of shaft
MW severe duty
*2 = keyed (SAE BB)
*R = keyed special
*X = keyed special
*W = keyed special
*V = keyed special
*T = splined (SAE J718c)

Modification
Mounting W/connection variables

	P1 = 1" - S = 3"		P1 = 1" - S = 2.1/2"[2)]	
P2	1"	3/4"[1)]	1"	3/4"[1)]
Code	00	01	10	11

[1)] for 46 ml/rev. max.
[2)] for 126 ml/rev. max.
The largest cartridge most be always mounted in the front.

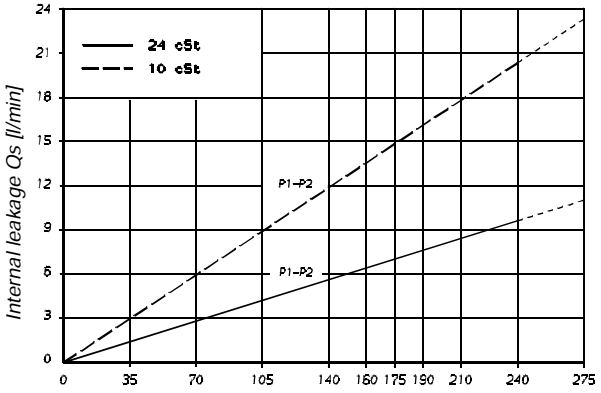
Seal Class
1 = S1 (for mineral oil)
4 = S4 (for the resistant fluids)
5 = S5 (for mineral oil and fire resistant fluids)

Design letter

Porting combination (see page 34)
00 = standard

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

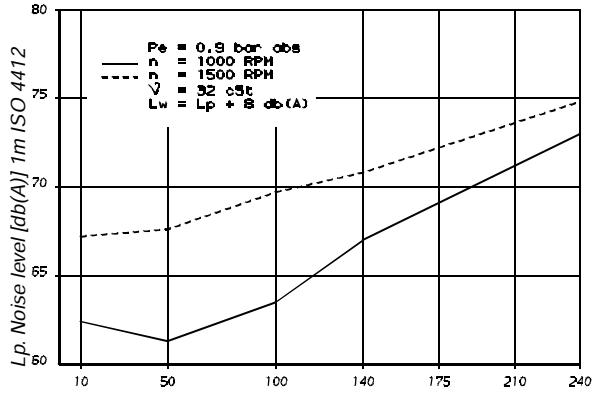
INTERNAL LEAKAGE (TYPICAL)



Pressure p [bar]

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

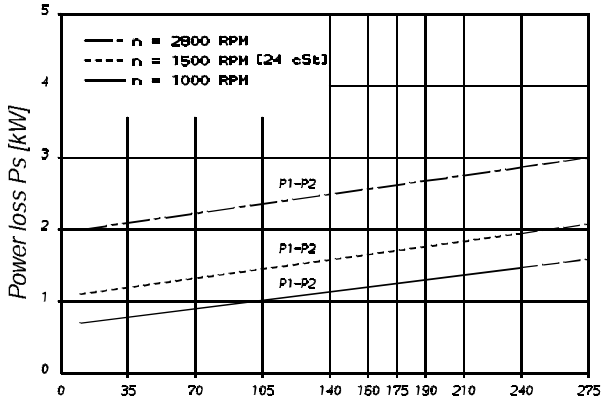
NOISE LEVEL (TYPICAL)
T6CCM - B22 - B22



Pressure p [bar]

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

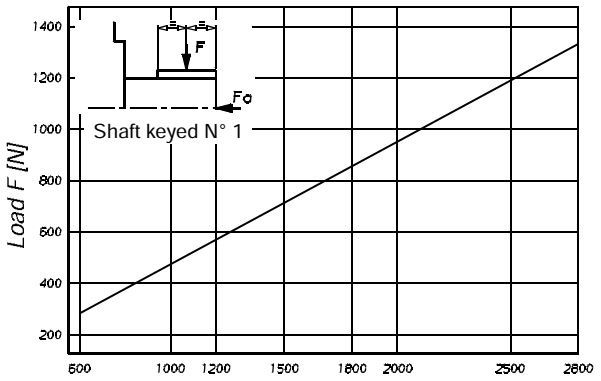
POWER LOSS HYDROMECHANICAL (TYPICAL)



Pressure p [bar]

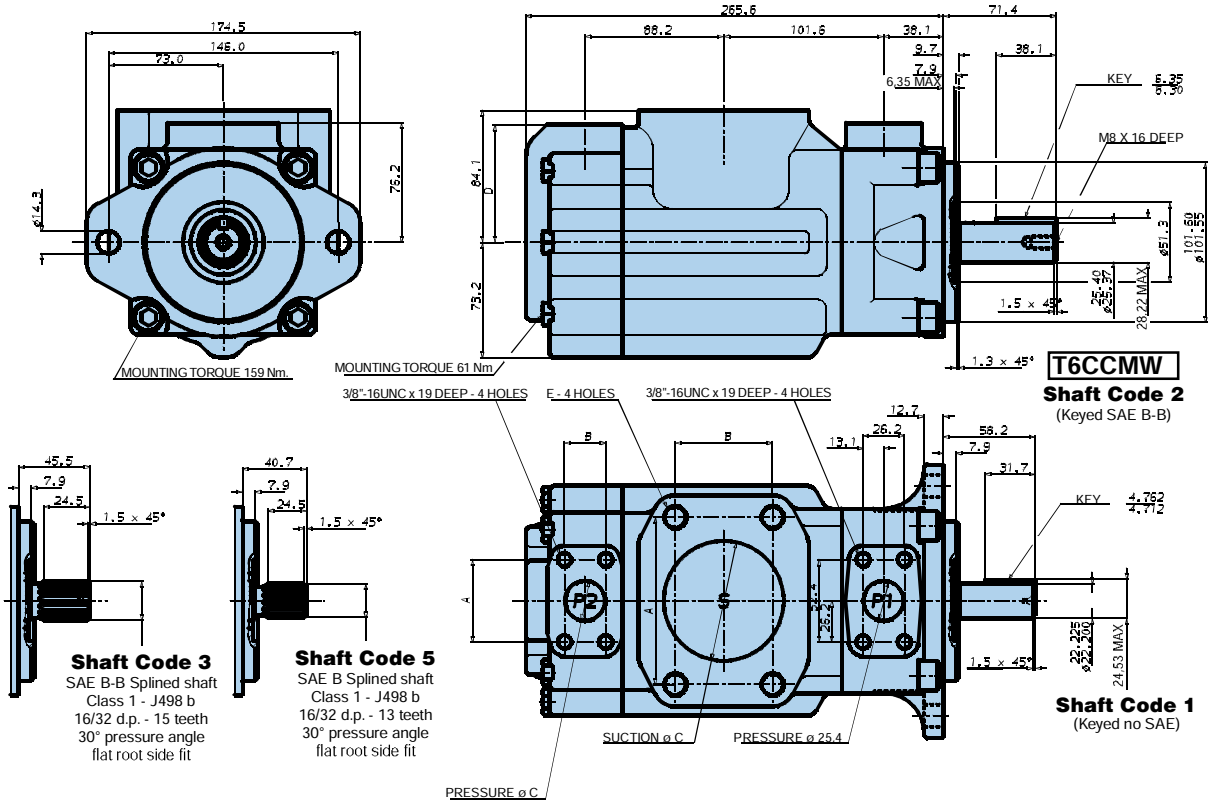
Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



Speed n [RPM]

Maximum permissible axial load Fa = 800 N



Additional special shafts: see page 33
Additional T6CCMW shaft code T: see page 33
Additional T6CCP version shaft see page 33

Port	Code	A	B	C	D	E
S	3"	106,4	61,9	76,2		5/8"-11 x 28.4 deep
S	2"1/2	88,9	50,8	63,5		1/2"-13 x 23.9 deep
P1	1"	52,4	26,2	25,4	76,2	
P2	3/4"	47,7	22,2	19,0	76,2	
P2	1"	52,4	26,2	25,4	74,7	

Shaft torque limits [ml/rev x bar]		
Pump	**Shaft**	**Vi x p max. P1 + P2**
T6CCM	1	14300
T6CCMW	2	21420
T6CCM	3	32670
T6CCM	5	20600

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 & P2	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[1)]	79,3 ml/rev	118,9	113,5	109,0	2,5	29,2	49,5
	B28[1)]	88,8 ml/rev	133,2	127,7	124,5[2)]	2,8	32,7	48,5[2)]
	B31[1)]	100,0 ml/rev	15,0	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 because internal leakage greater than 50% theoretical flow. *Port connection can be furnished with metric threads.*

Ordering Code

Model No. **T6DC* W - B38 - B22 - 1 R 00 - C 1**

Series M = Mobile 1 shaft seal
Series P = Mobile 2 shaft seals

Use for severe duty shaft only*

Cam ring for "P1" (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 =119,3l/min
B28 =134,5l/min
B31 =147,4l/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" (P2)
(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

Type of shaft
P version
3 = splined (no SAE)

Type of shaft
M version
1 = keyed (SAE C)
2 = keyed (no SAE)
3 = splined (SAE C)
4 = splined (no SAE)
MW severe duty
*5 = keyed (no SAE)
*T = splined (SAE J718c)

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

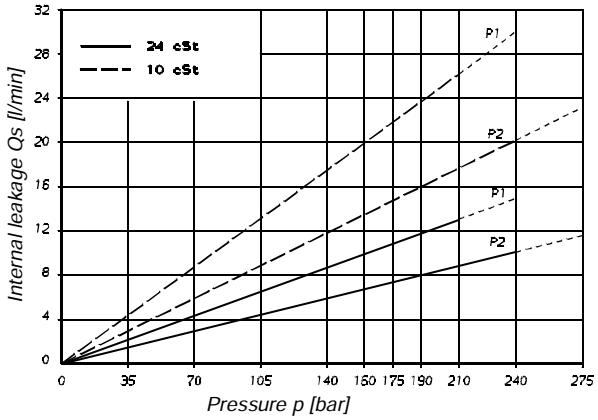
Porting combination (see page 34)
00 = standard

Design letter

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

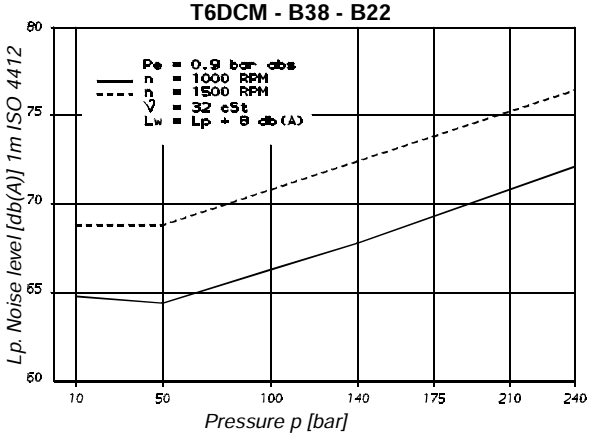
Modification

INTERNAL LEAKAGE (TYPICAL)



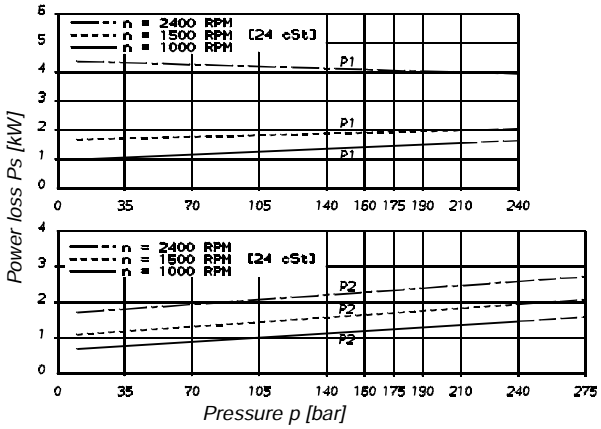
Do not operate the pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50 % of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T6DCM - B38 - B22



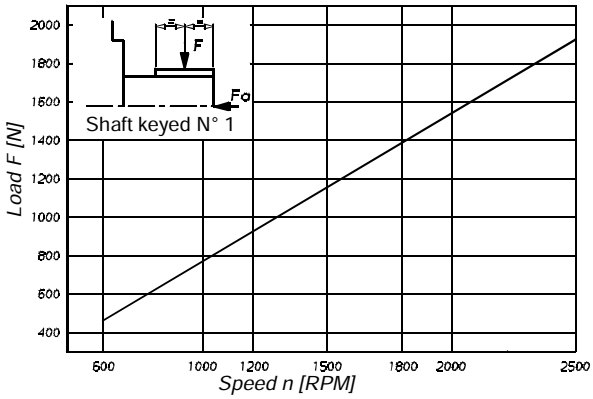
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

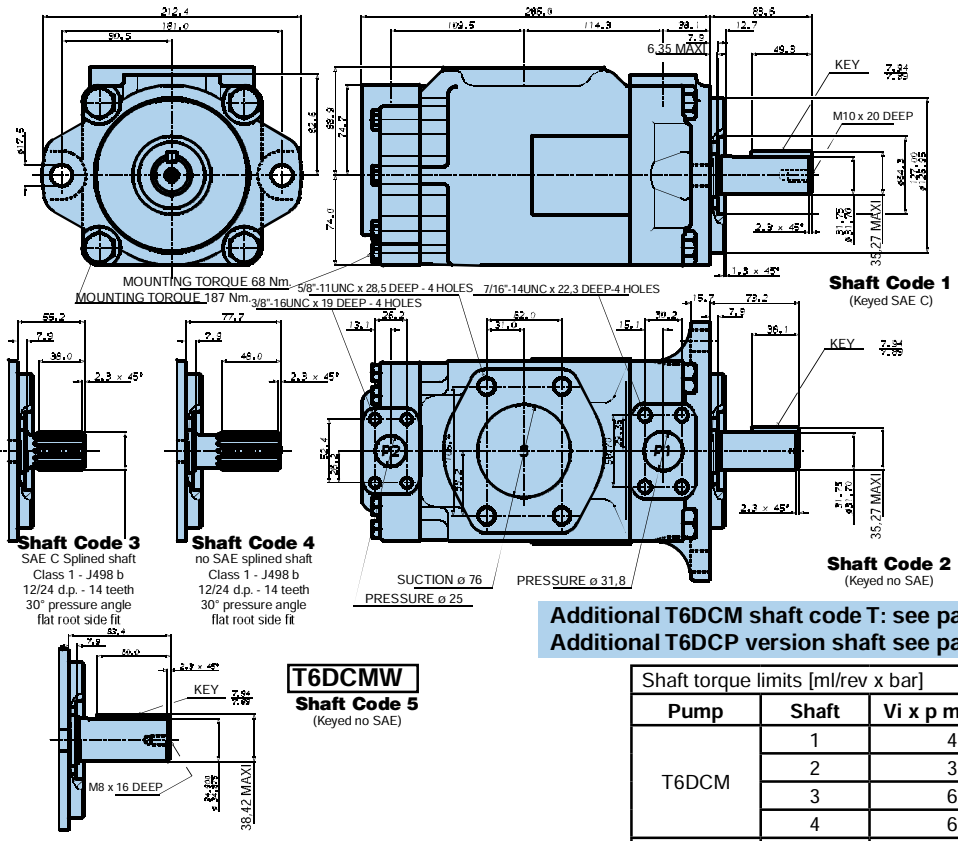


Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 1200 N



Additional T6DCM shaft code T: see page 33
Additional T6DCP version shaft see page 33

Shaft torque limits [ml/rev x bar]		
Pump	**Shaft**	**Vi x p max. P1 + P2**
T6DCM	1	43240
	2	34590
	3	61200
	4	61200
T6DCMW	5	55600

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	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 *Port connection can be furnished with metric threads.*

Model No. **T6EC* - 066 - B22 - 1 R 00 - C 1 -**

Series M = Mobile 1 shaft seal
Series P = Mobile 2 shaft seals

P1

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

P2

Cam ring for "P2"
(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

Type of shaft
P version
3 = splined (non SAE)

Type of shaft
M version
1 = keyed (SAE CC)
2 = keyed (no SAE)
3 = splined (SAE C)
4 = splined (SAE CC)
T = splined (SAE J718c)

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

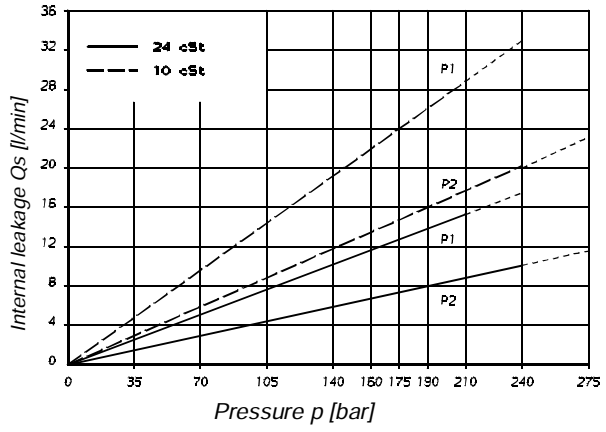
Porting combination (see page 34)
00 = standard

Design letter

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

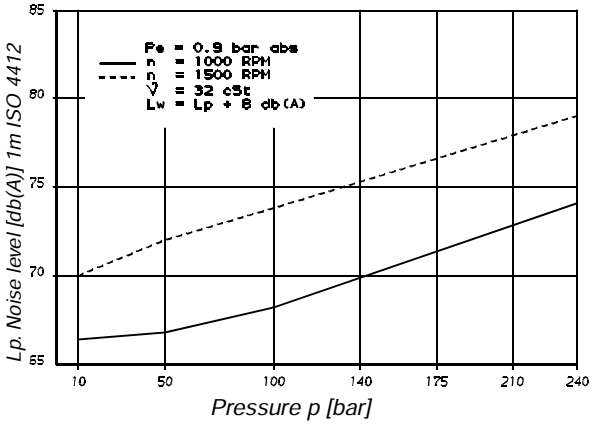
Modification

INTERNAL LEAKAGE (TYPICAL)



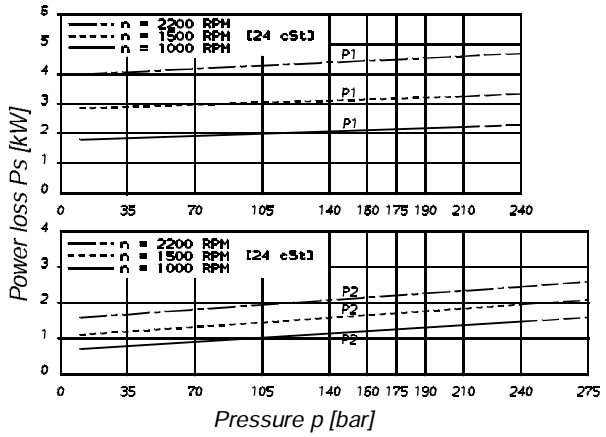
Do not operate the pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T6ECM - 050 - B22



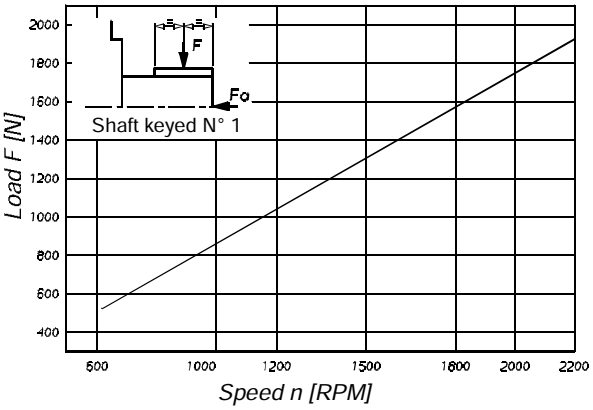
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

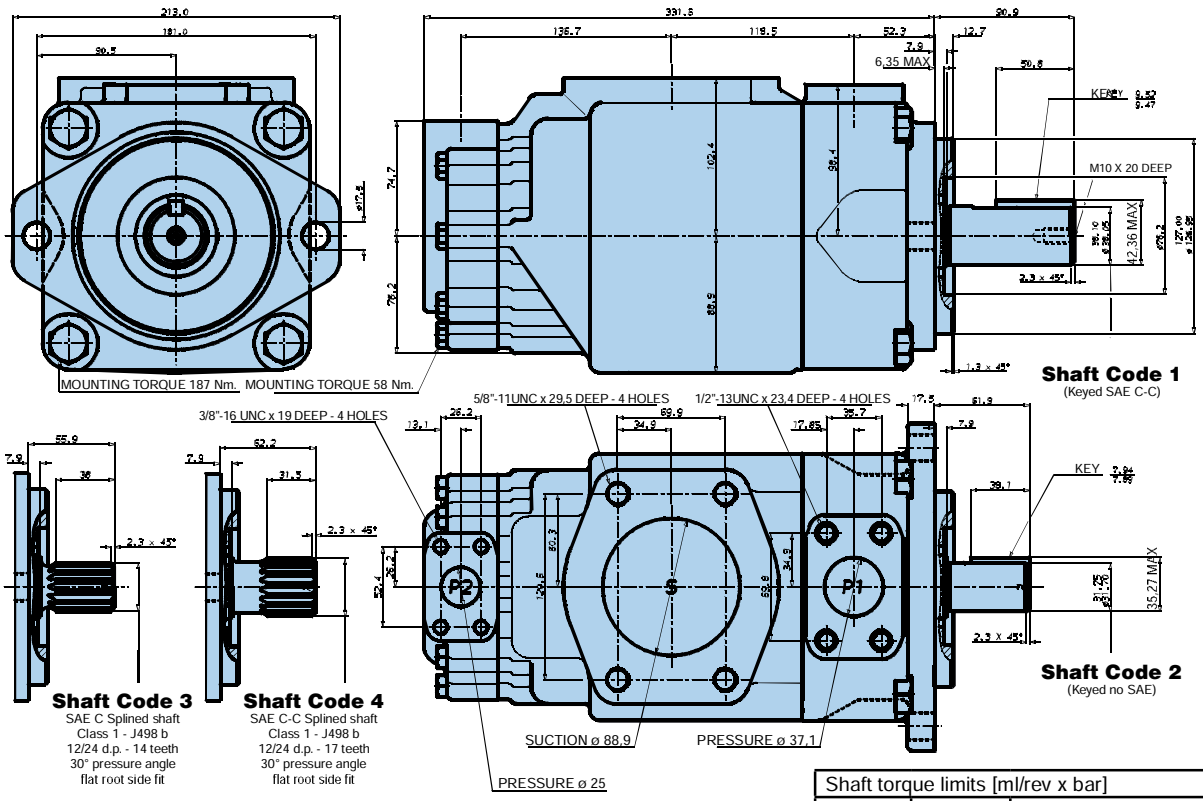


Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 2000 N



Additional T6ECM shaft code T: see page 33
Additional T6ECP version shaft see page 33

Shaft torque limits [ml/rev x bar]		
Pump	**Shaft**	**Vi x p max. P1 + P2**
T6ECM	1	72300
	2	34590
	3	61200
	4	76300

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	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 = 210 bar max. int. - Not to use because internal leakage greater than 50% theoretical flow
Port connection can be furnished with metric threads.

Model No. **T6ED* - 066 - B38 - 1 R 00 - C 1 -**

Series M = Mobile 1 shaft seal
Series P = Mobile 2 shaft seals

P1

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

P2

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 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

Type of shaft
P version
3 = splined (no SAE)

Type of shaft
M version
1 = keyed (SAE CC)
2 = keyed (no SAE)
3 = splined (SAE C)
4 = splined SAE CC)
T = splined (SAE J718c)

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

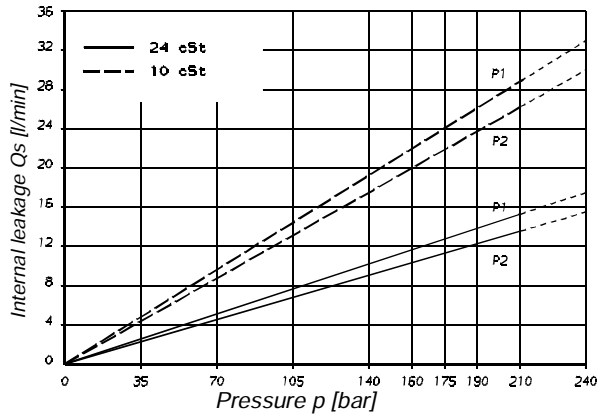
Porting combination (see page 34)
00 = standard

Design letter

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

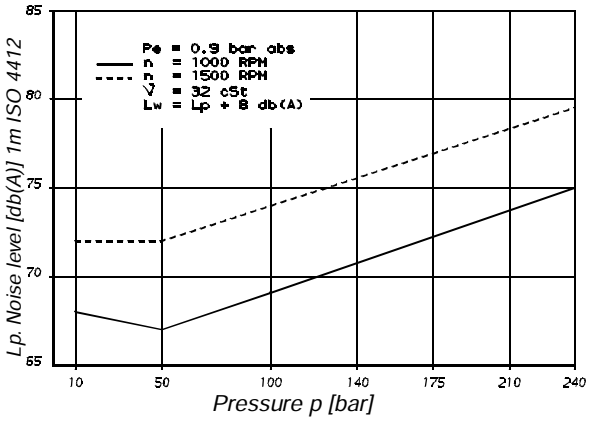
Modification

INTERNAL LEAKAGE (TYPICAL)



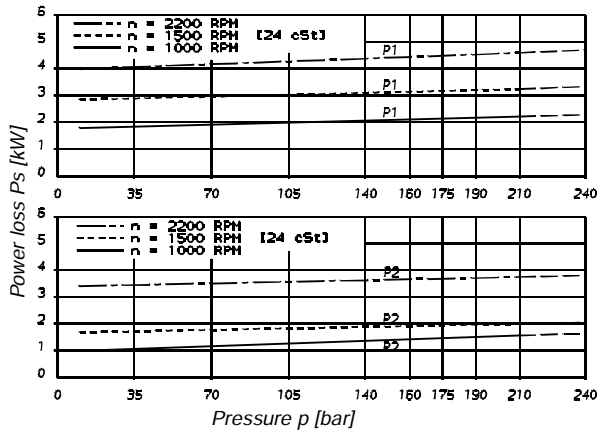
Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T6EDM - 050 - B38



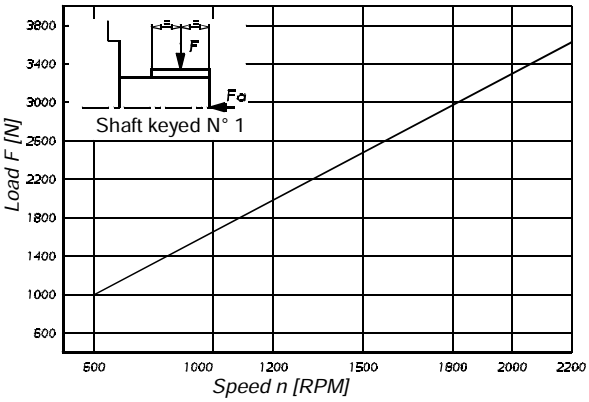
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)



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

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 2000 N