Mobile Hydraulic Pumps
T6EDM, T6EDP

Hydraulic Pumps

Parker

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

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

P1 P2

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

Cam ring for "P2"
(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

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

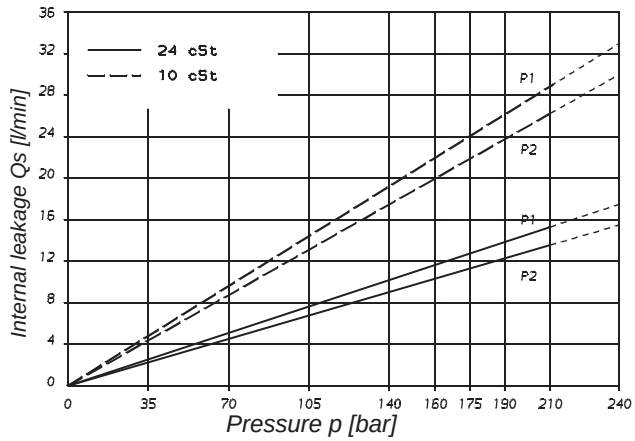
Porting combination (see page 34)
00 = standard

Design letter

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

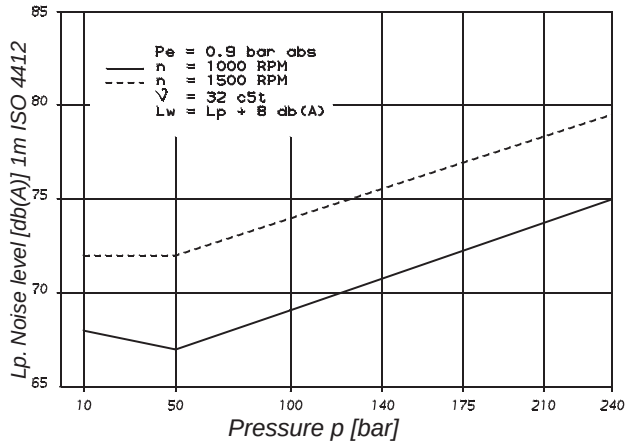
Modification

INTERNAL LEAKAGE (TYPICAL)



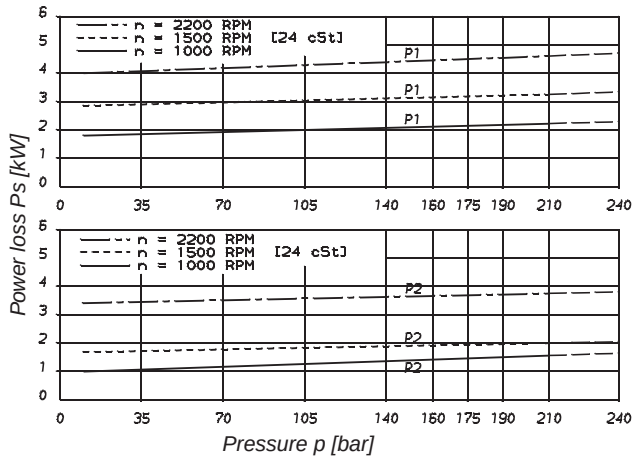
Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T6EDM - 050 - B38



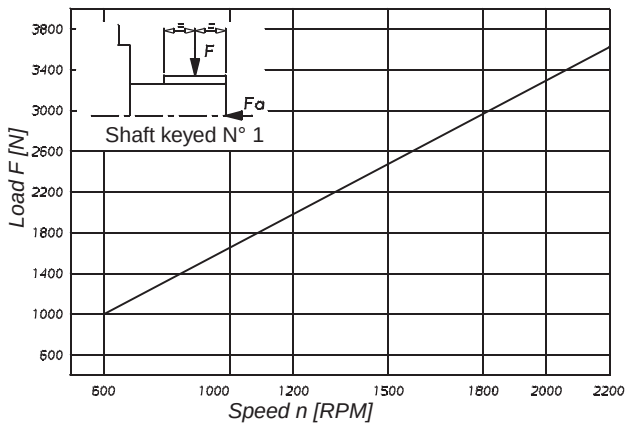
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

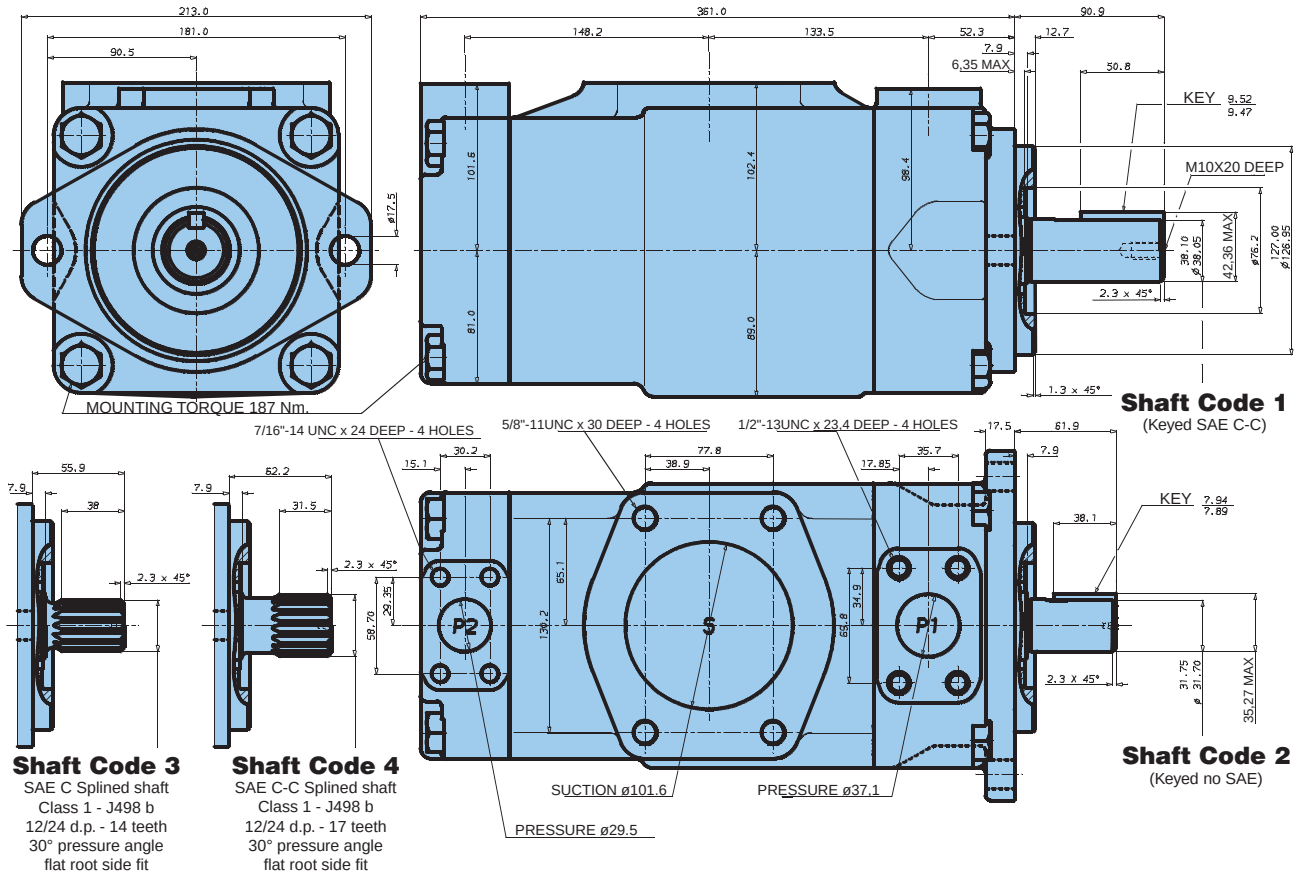


Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 2000 N



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.*