

# Industrial Hydraulic Pumps T6ED

Hydraulic Pumps

**Parker**



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**Parker**

**Model No.**

**T6ED - 066 - 038 - 1 R 00 - B 1 -**

**Series**

**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.)

014 = 71,4 l/min      035 = 166,5 l/min  
 017 = 87,3 l/min      038 = 180,4 l/min  
 020 = 99,0 l/min      042 = 204,0 l/min  
 024 = 119,3 l/min      045 = 218,5 l/min  
 028 = 134,5 l/min      050 = 237,0 l/min  
 031 = 147,4 l/min

**Modification**

**Seal class**

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

**Design letter**

**Porting combination (see page 30)**

00 = standard

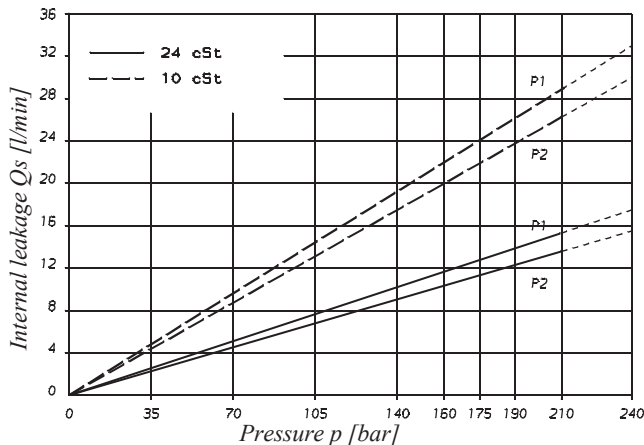
**Direct. of rotation (view on shaft end)**

R = clockwise  
 L = counter-clockwise

**Type of shaft**

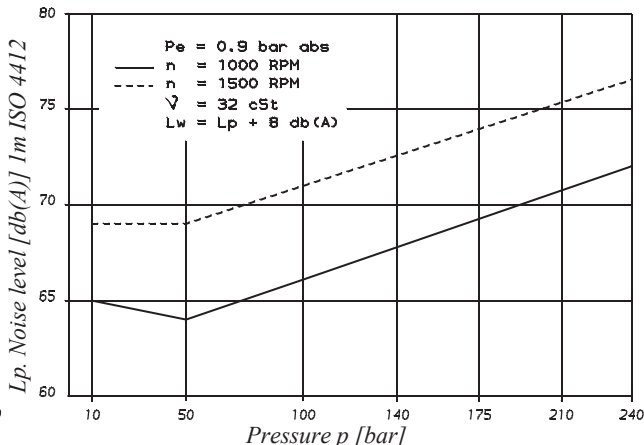
1 = keyed (SAE CC)  
 2 = keyed (no SAE)  
 3 = splined (SAE C)  
 4 = splined (SAE CC)

**INTERNAL LEAKAGE (TYPICAL)**



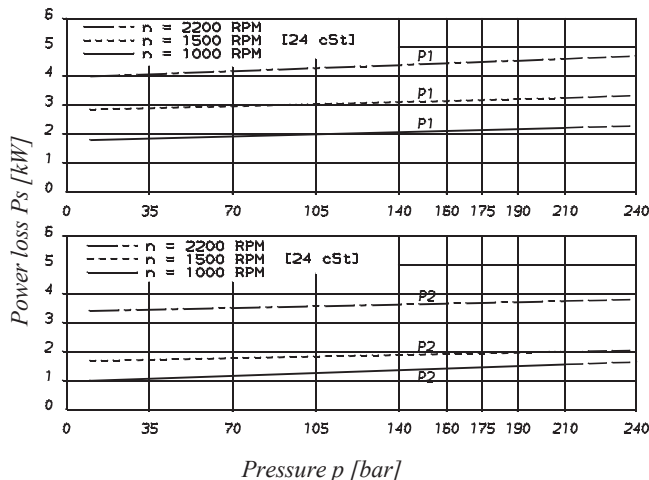
Total leakage is the sum of each section loss at its operating conditions.

**NOISE LEVEL (TYPICAL)**  
**T6ED - 050 - 038**



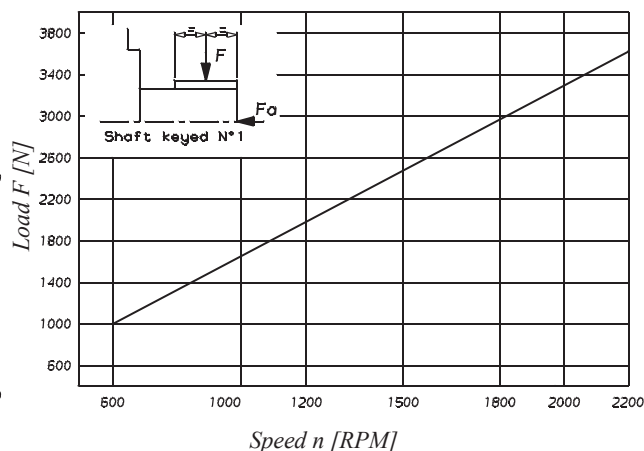
Double pump noise level is given with each section discharging at the pressure noted on the curve.

**POWER LOSS HYDROMECHANICAL (TYPICAL)**



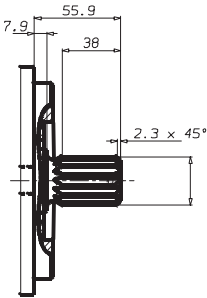
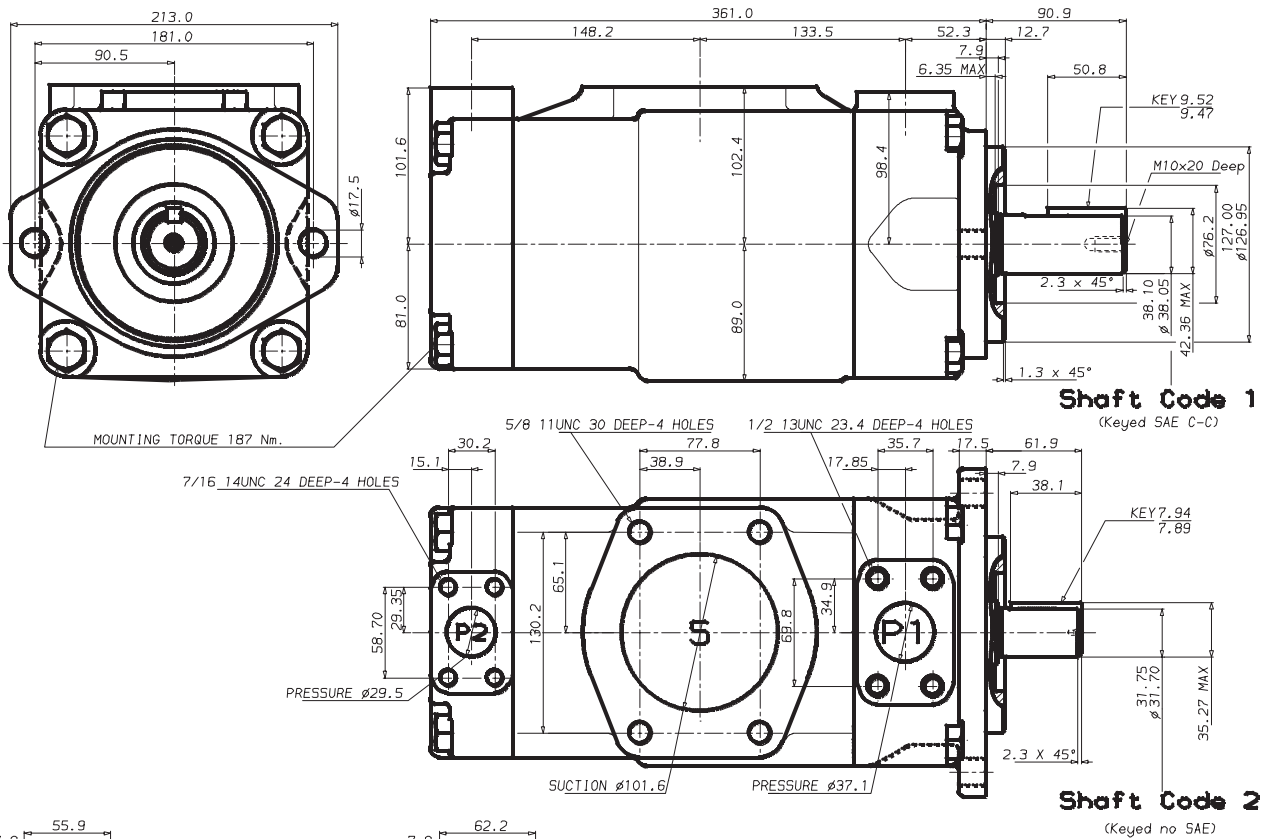
Total hydrodynamic power loss is the sum of each section at its operating conditions.

**PERMISSIBLE RADIAL LOAD**

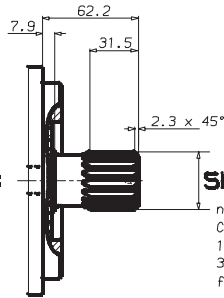


Maximum permissible axial load  $F_a = 2000$  N

**DIMENSIONS & OPERATING CHARACTERISTICS - Weight : 66,0 kg - T6ED SERIES INDUSTRIAL APPLICATION**



**Shaft Code 3**  
SAE C splined shaft  
Class 1-J498 b  
12/24 d.p. -14 teeth  
30° pressure angle  
Flat root side fit



**Shaft Code 4**  
no SAE splined shaft  
Class 1-J498 b  
12/24 d.p. -17 teeth  
30° pressure angle  
Flat root side fit

Shaft torque limits [ml/rev x bar]		
Pump	Shaft	V x p max. P1 + P2
T6ED	1	72306
	2	34590
	3	61200

**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Pressure port	Series	Volumetric Displacement Vi	Flow q <sub>v</sub> [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	014	47,6 ml/rev	71,4	62,1	55,9	2,3	18,5	30,6
	017	87,3 ml/rev	87,3	78,0	71,8	2,5	22,2	37,0
	020	66,0 ml/rev	99,0	89,7	83,5	2,8	24,9	41,7
	024	79,5 ml/rev	119,3	110,0	103,8	3,0	29,6	49,8
	028	89,7 ml/rev	134,5	125,2	119,0	3,2	33,2	55,9
	031	98,3 ml/rev	147,4	138,1	131,9	3,3	36,2	61,0
	035	111,0 ml/rev	166,5	157,2	151,0	3,5	40,7	68,7
	038	120,3 ml/rev	180,4	171,1	164,9	3,7	43,9	74,3
	042	136,0 ml/rev	204,0	194,7	188,5	4,0	49,4	83,7
	045	145,7 ml/rev	218,5	209,2	203,0	4,1	52,8	89,5
	050	158,0 ml/rev	237,0	227,7	224,0 <sup>1)</sup>	4,4	57,0	85,0 <sup>1)</sup>

<sup>1)</sup> 050 = 210 bar max. int. Port connection can be furnished with metric threads.