

**Model No.** T7EE or T7EES - 066 - 045 - 1 R 00 - A 1 0 00 - ..

**T7EE series** - ISO 4 bolts 3019-2

Mounting flange 250 B4 HW

**T7EES series** - SAE E 4 bolts

J744 mounting flange

P1 P2

**Displacement P1 & P2**

Volumetric displacement (ml/rev.)

042 = 132,3 057 = 183,3

045 = 142,4 062 = 196,7

050 = 158,5 066 = 213,3

052 = 164,8 072 = 227,1

054 = 171,0 085 = 268,7

**Type of shaft T7EES**

1 = keyed (SAE CC) 4 = splined (SAE D & E) 13 teeth

3 = splined (SAE CC) 17 teeth 5 = keyed (SAE D & E)

**Type of shaft T7EE**

2 = keyed (ISO 3019-2 - G45N)

**Direction of rotation (shaft end view)**

R = Clockwise

L = Counter-clockwise

**Modifications**

**Mounting w/connection variables**

4 bolts SAE flanges J518

P1 & P2 = 1.1/2" - S = 4"		
	T7EE - T7EES	T7EES
<b>Type</b>	<b>Metric thread</b>	<b>UNC thread</b>
<b>Code</b>	M0	00

**Coupling adaptor**

0 = none

2 = SAE B

3 = SAE BB

\* for SAE C, please contact Parker

**Seal class**

1 = S1 BUNA N - 0,7 bar max. (for mineral oil)

4 = S4 EPDM - 7 bar max. (for fire resistant fluids)

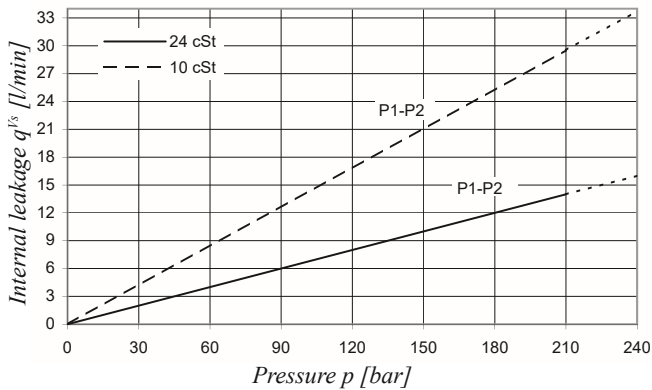
5 = S5 VITON® - 7 bar max. (for mineral oil and fire resistant fluids)

**Design letter**

**Porting combination (see page 72)**

00 = standard

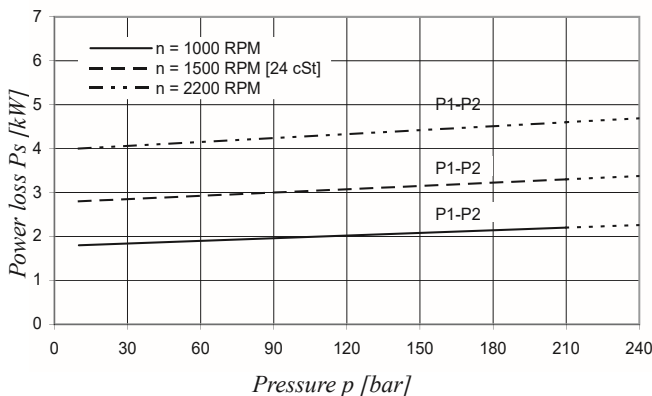
**INTERNAL LEAKAGE (TYPICAL)**



Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow.

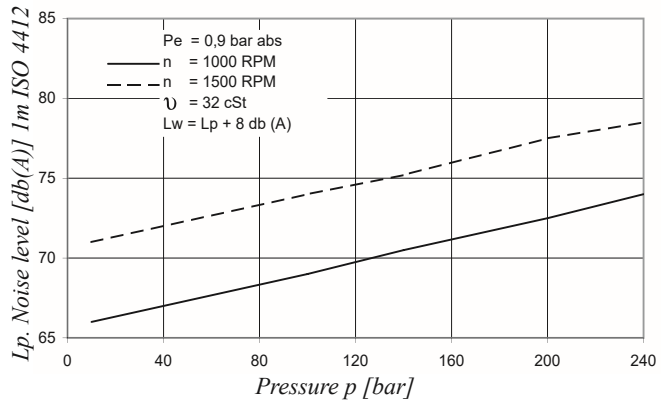
Total leakage is the sum of each section loss under its respective operating conditions.

**POWER LOSS HYDROMECHANICAL (TYPICAL)**



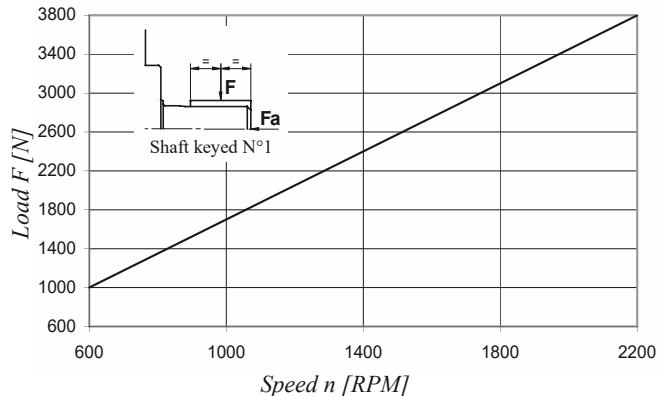
Total hydromechanical power loss is the sum of each section loss under its respective operating conditions.

**NOISE LEVEL (TYPICAL) - T7EE - 050 - 050**

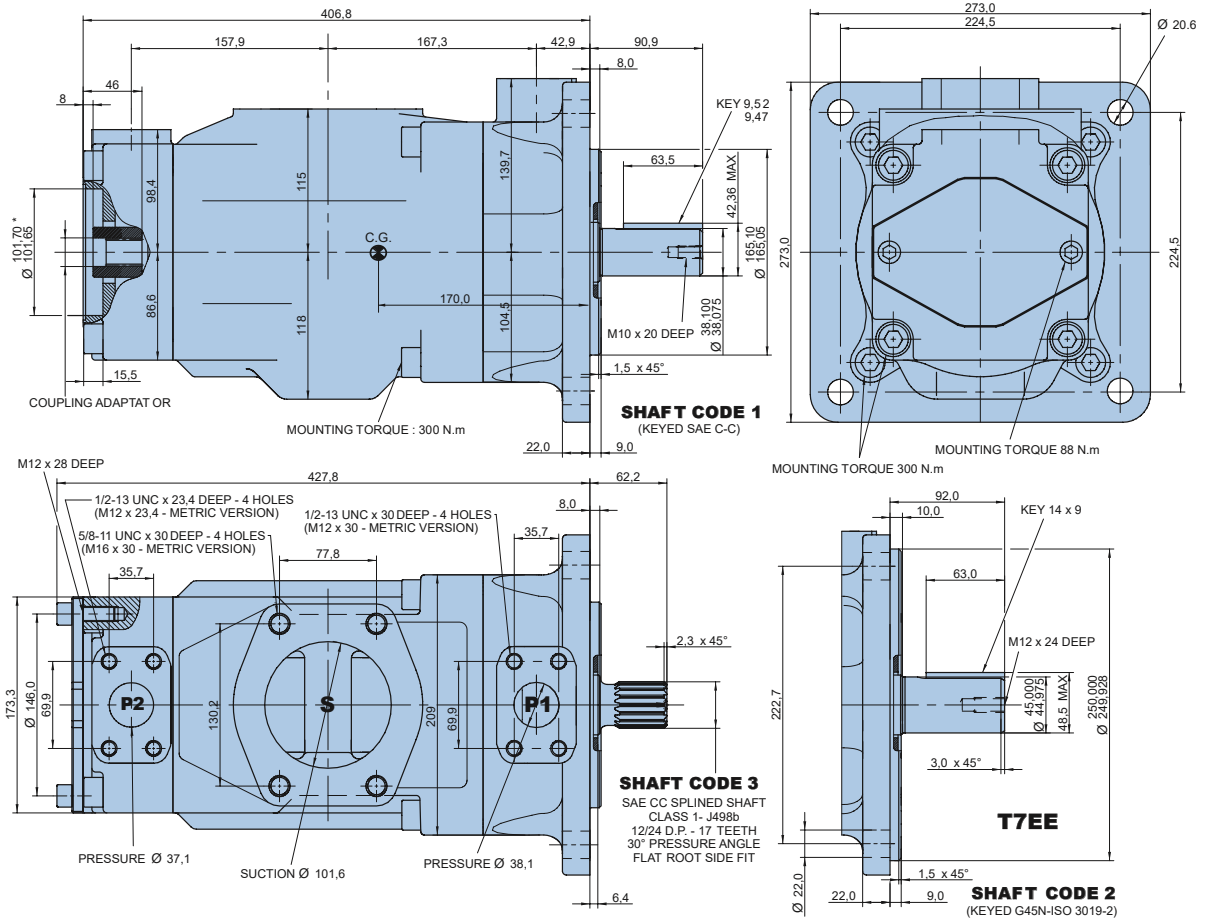


Double pump noise level is given with both stages discharging at the pressure value indicated on the curve.

**PERMISSIBLE RADIAL LOAD**

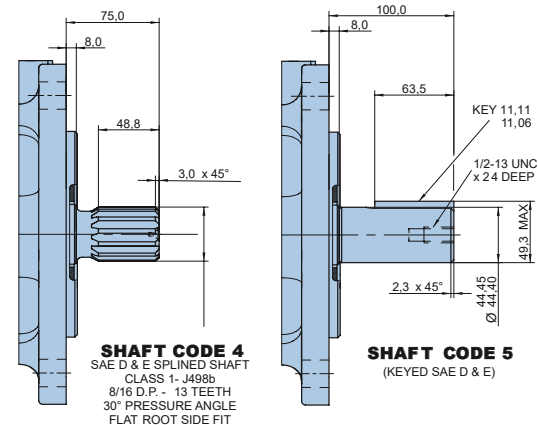


Maximum permissible axial load Fa = 2000 N



Code	Coupling adaptor
0	Without coupling
2	SAE B - 13 teeth - Pitch 16/32 Major dia. (min) 22,225 - Minor dia. (min) 19,134
3	SAE BB - 15 teeth - Pitch 16/32 Major dia. (min.) 25,400 - Minor dia. (min.) 22,268

Shaft torque limits [ml/rev. x bar]			
Shaft	Vi x p max.	Coupling drive	Vi x p max.
1	90380	SAE B	20600
2	114600	SAE BB	32670
3	126800		
4	126800		
5	118340		



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

Pressure port	Series	Vi Volumetric displacement	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 & P2	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
	054	171,0 ml/rev	256,5	246,5	239,4	5,9	63,0	105,8
	057	183,3 ml/rev	275,0	265,0	257,9	6,1	67,3	113,2
	062	196,7 ml/rev	295,0	285,0	277,9	6,4	71,9	121,3
	066	213,3 ml/rev	319,9	309,0	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
	085	268,7 ml/rev	403,0	392,0 <sup>1)</sup>	-	9,1	65,8 <sup>1)</sup>	-

<sup>1)</sup> 085 = 90 bar max. int.

\* For SAE C, please contact Parker.

