

Model No. T7EEC or T7EECS - 062 - 062 - 017 - 2 R 00 - A 1 - M0 - ..**T7EEC series** - 250-B4-HW
ISO 4 bolts 3019-2 mounting flange**T7EECS series** - SAE E 4 bolts
J744 mounting flange**Displacement for "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

Displacement for "P3"

Volumetric displacement (ml/rev.)

003 = 10,8 017 = 58,3

005 = 17,2 020 = 63,8

006 = 21,3 022 = 70,3

008 = 26,4 025 = 79,3

010 = 34,1 028 = 88,8

012 = 37,1 031 = 100,0

014 = 46,0

Modifications**Mounting w/connection variables**

4 bolts SAE flange J518

P1 = 1.1/2" - P2 = 1.1/2" - P3 = 3/4" & 1" - S = 4"

	Metric	UNC
T7EEC - 3/4"	M1	
T7EECS - 3/4"	M1	01
T7EEC - 1"	M0	
T7EECS - 1"	M0	00

Seal class

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

Design letter**Porting combination (see pages 72 - 73)**

00 = standard

Direction of rotation (shaft end view)

R = Clockwise

L = Counter-clockwise

Type of shaft T7EEC - T7EECS

2 = keyed (ISO 3019/2 - G45N))

Type of shaft T7EECS

4 = splined 8/16 (SAE D & E) (13 teeth)

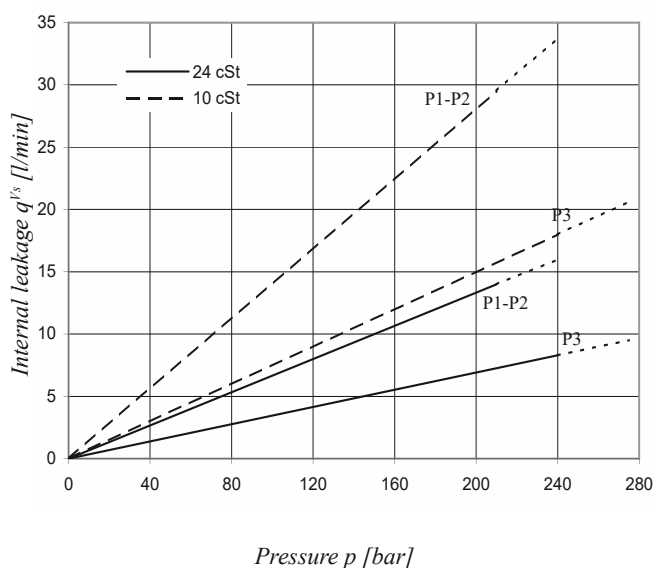
OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Vi Volumetric displacement	Flow q_v [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 ²⁾	-	9,1	65,8 ²⁾	-
P3			p = 0 bar	p = 140 bar	p = 275 bar	p = 7 bar	p = 140 bar	p = 275 bar
	003	10,8 ml/rev	16,2	11,2	*	1,3	5,3	*
	005	17,2 ml/rev	25,8	20,8	16,1	1,4	7,5	13,9
	006	21,3 ml/rev	31,9	26,9	22,2	1,5	8,9	16,8
	008	26,4 ml/rev	39,6	34,6	29,9	1,6	10,7	20,3
	010	34,1 ml/rev	51,1	46,1	41,4	1,7	13,4	25,6
	012	37,1 ml/rev	55,6	50,6	45,9	1,7	14,4	27,6
	014	46,0 ml/rev	69,0	64,0	59,3	1,9	17,6	33,7
	017	58,3 ml/rev	87,4	82,4	77,7	2,1	21,9	42,2
	020	63,8 ml/rev	95,7	90,7	86,0	2,2	23,8	46,0
	022	70,3 ml/rev	105,4	100,4	95,7	2,3	26,1	50,4
	025	79,3 ml/rev	118,9	113,9	109,2	2,5	29,2	56,6
	028	88,8 ml/rev	133,2	128,2	125,8 ¹⁾	2,8	32,7	48,5 ¹⁾
	031	100,0 ml/rev	150,0	145,0	142,6 ¹⁾	2,8	36,5	54,4 ¹⁾

* We do not recommend to use the size 003 in P3 at 275 bar & 1500 RPM as the internal leakage is over 50% of theoretical flow.

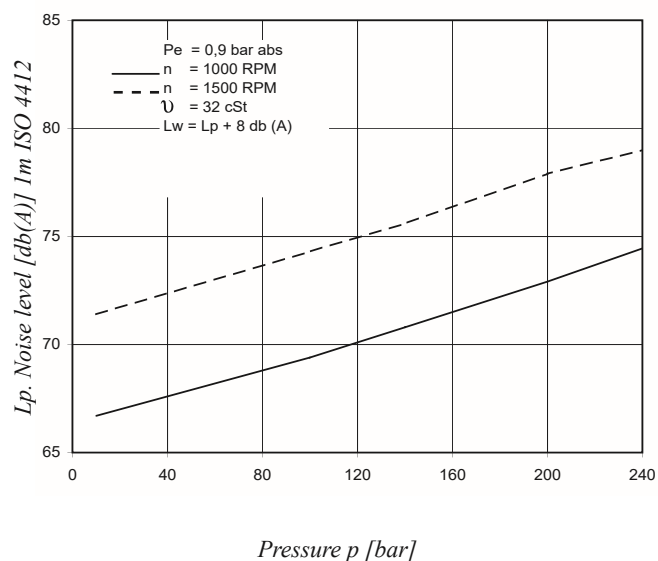
¹⁾ 028 - 031 = 210 bar max.int. ²⁾ 085 = 90 bar max.int.

INTERNAL LEAKAGE (TYPICAL)



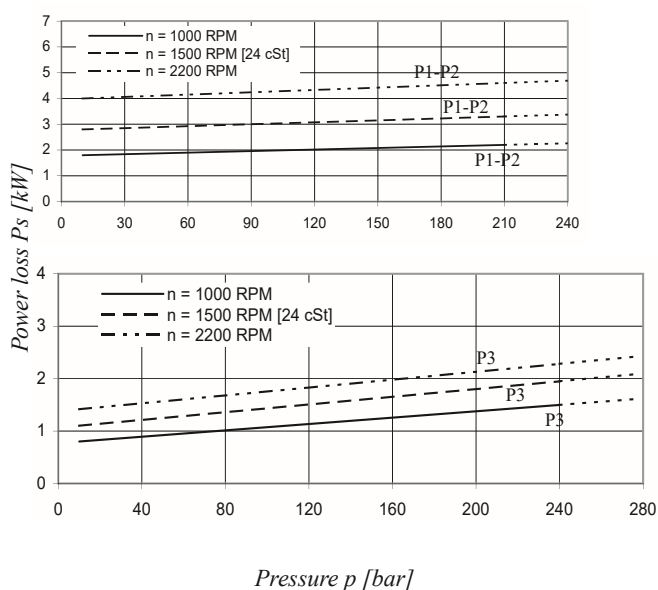
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow.
 Total leakage is the sum of each section loss under its respective operating conditions.

NOISE LEVEL (TYPICAL) - T7EECS - 052 - 052 - 025



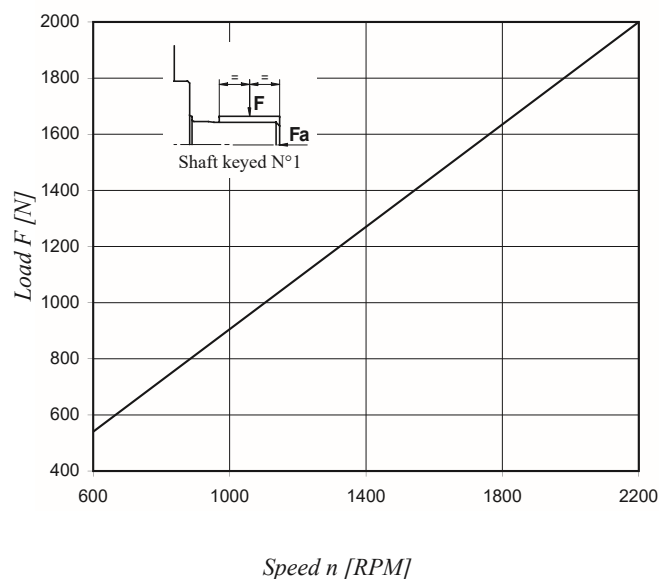
Triple pump noise level is given with all stages discharging at the pressure value indicated on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

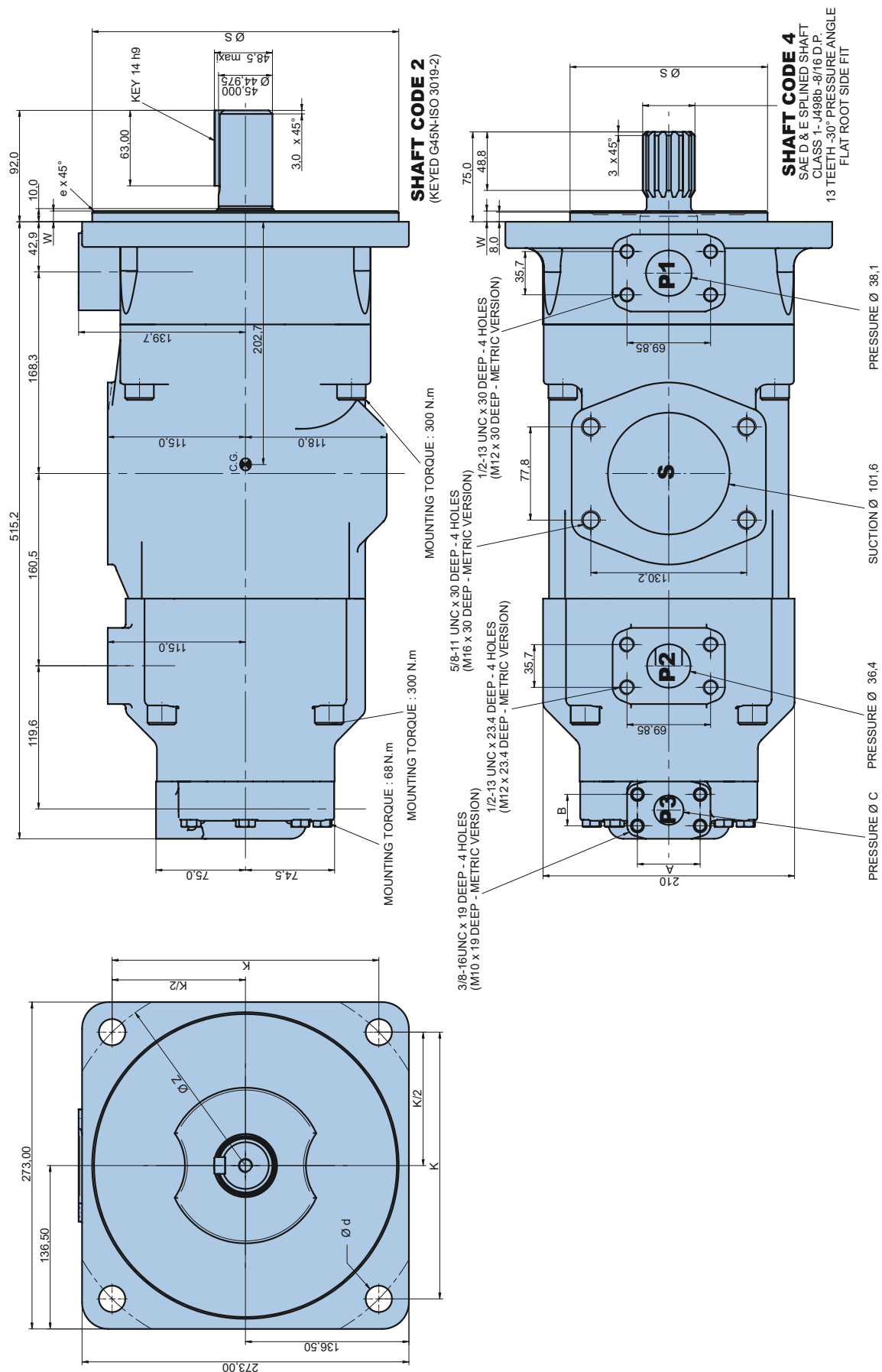


Total hydromechanical power loss is the sum of each section loss under its respective operating conditions.

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load $F_a = 2000$ N



Alternate connect. variables		00 & M0	01 & M1
A		52,4	47,6
B		26,2	22,2
C		25,4	19,0

Series	Alternate mounting flange			
	Dia S	e x 45°	W	K
T7EEC	Max. 250,000	249,928	2,0	9,0
T7EECS	165,100	165,050	2,0	9,0

Shaft	Vi x p max. P1 + P2 + P3
2	118340
4	126800