

Model No. T7E* or T7ES - 072 - 1 R 00 - A 1 - M0 - ..

T7E series - 125 A2 HW
ISO 2 bolts 3019-2 mounting flange

T7ES series - SAE C 2 bolts
J744 mounting flange

* Rear drive option available, please contact Parker.

Displacement
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 T7E - T7ES
5 = keyed (ISO R775 - G38M)

Type of shaft T7ES
1 = keyed (SAE CC)
2 = keyed (non SAE)
3 = splined (SAE C) 14 teeth
4 = splined (SAE CC) 17 teeth

Modifications

Mounting w/connection variables
4 bolts SAE flange J518

	T7E - T7ES Metric thread	T7ES UNC thread
	M0	00
P	1.1/2"	
S	3"	

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)

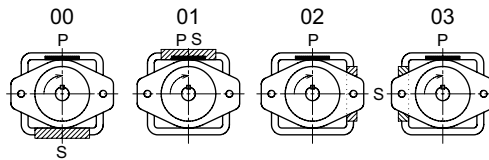
Design letter

Porting combination
00 = standard

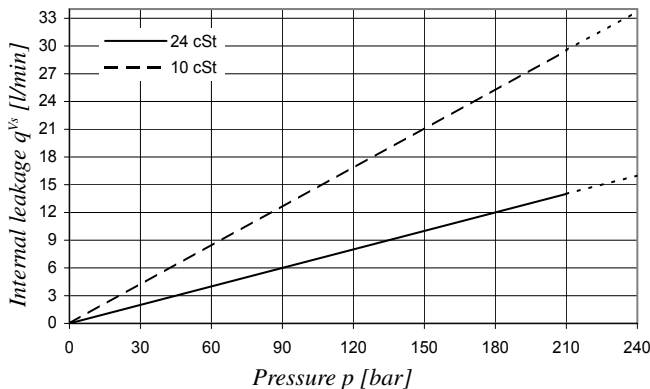
Direction of rotation (shaft end view)

R = Clockwise
L = Counter-clockwise

P = Pressure port
S = Suction port

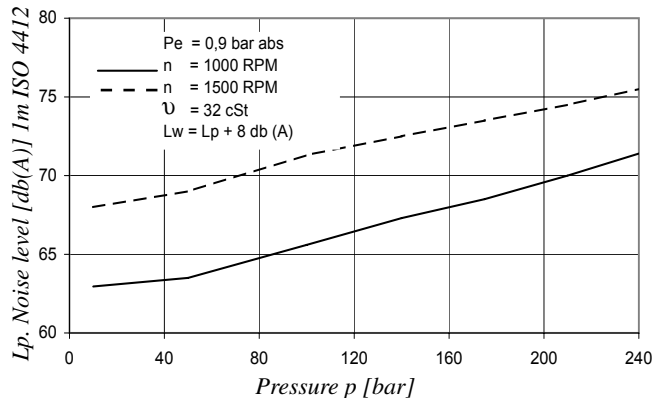


INTERNAL LEAKAGE (TYPICAL)

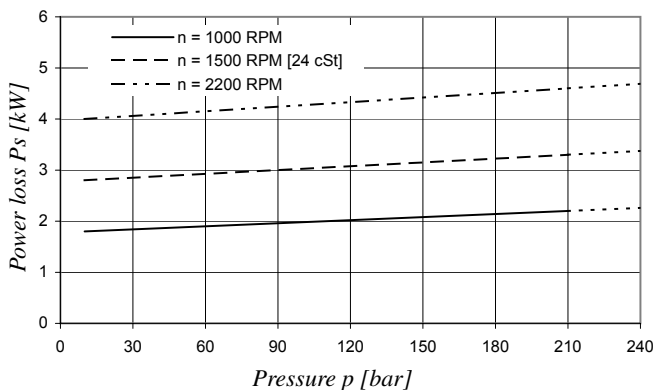


Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow.

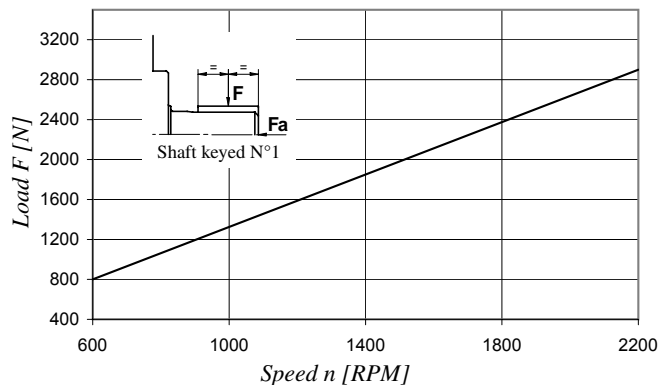
NOISE LEVEL (TYPICAL) - T7ES - 050



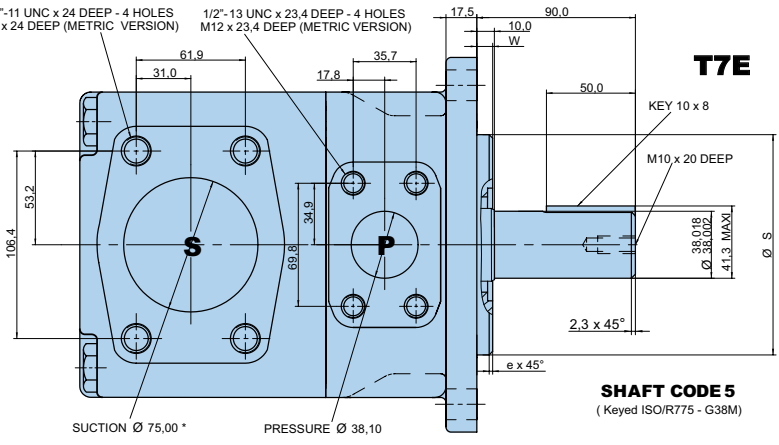
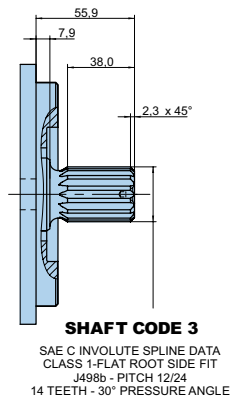
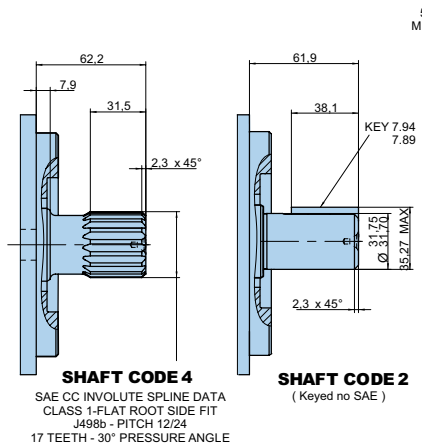
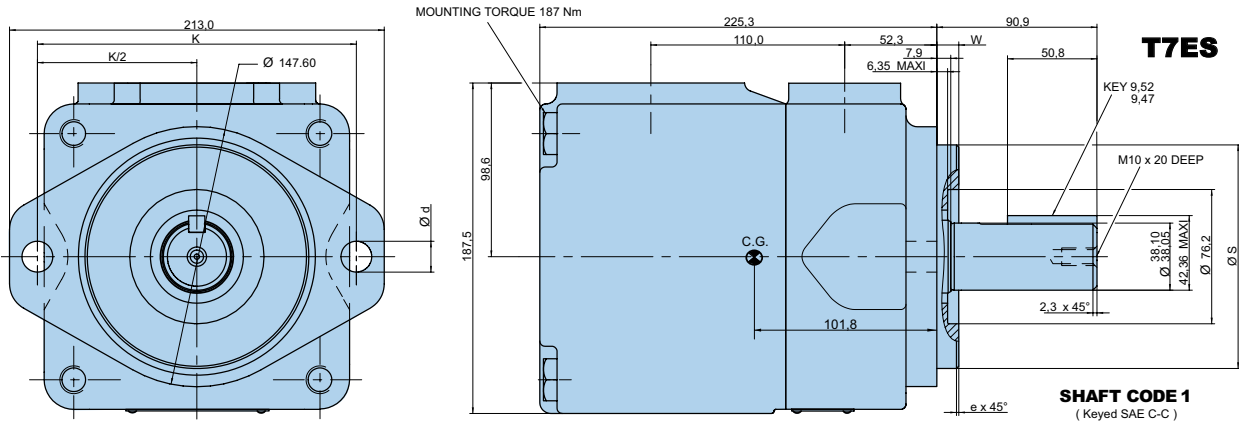
POWER LOSS HYDROMECHANICAL (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 2000 N



Shaft torque limits [ml/rev. x bar]	
Shaft	Vi x p max.
1	54500
2	34590
3	61200
4	61200
5	54500

Alternate mounting flange						
	Dia S		e x 45°	W	K	Dia d
	Max.	Min.				
T7E	125,000	124,937	2,0	9,5	180,0	18,0
T7ES	127,000	126,950	1,3	12,7	181,0	17,5

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
T7E T7ES	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 ¹⁾	-	9,1	65,8 ¹⁾	-

¹⁾ 085 = 90 bar max. int.
 * special 3"1/2 (Ø 88,9) suction also available - Please contact Parker.

