

# ORDERING CODE - T7EE - T7EES SERIES

## Model No.

**T7EE or T7EES - 066 - 045 - 1 R 00 - A 1 0 - 00 - ..**

T7EE series - 250 B4HW  
ISO 3019-2 mounting flange  
T7EES series - SAE E 4 bolts  
Mounting flange J744c

### Displacement for "P1" & "P2"

Volumetric displacement (ml/rev)  
042 = 132,3  
045 = 142,4  
050 = 158,5  
052 = 164,8  
054 = 171,0  
057 = 183,3  
062 = 196,7  
066 = 213,3  
072 = 227,1  
085 = 268,7

### Type of shaft T7EE

2 = keyed G45N (ISO 3019-2)

### Type of shaft T7EES

1 = keyed (SAE CC)  
3 = splined (SAE CC)  
4 = splined (SAE D & E)  
5 = keyed (SAE D & E)

P1 P2

### Modifications

#### Mounting w/connection variables

	P1 & P2 = 1" / 2" - S = 4"	
	UNC	Metric
T7EE		M0
T7EES	00	M0

#### Coupling adaptor

0 = none  
2 = SAE B  
3 = SAE BB

#### Seal class

1 = S1 - BUNA N  
4 = S4 - EPDM  
5 = S5 - VITON

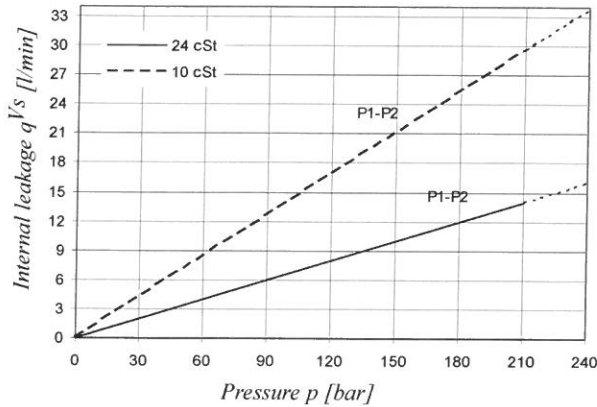
#### Design letter

Porting combination (see page 62)  
00 = standard

#### Direction of rotation (view on shaft end)

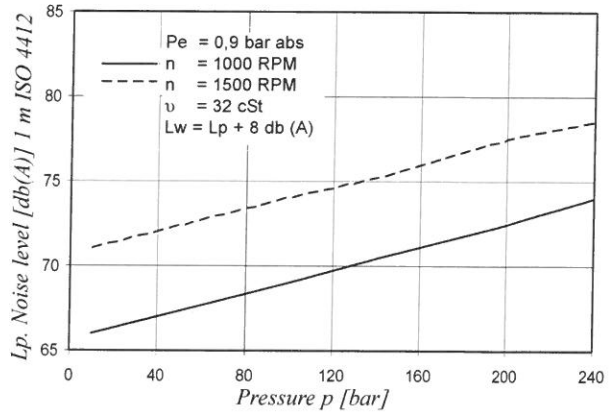
R = Clockwise  
L = Counter-clockwise

## INTERNAL LEAKAGE (TYPICAL)



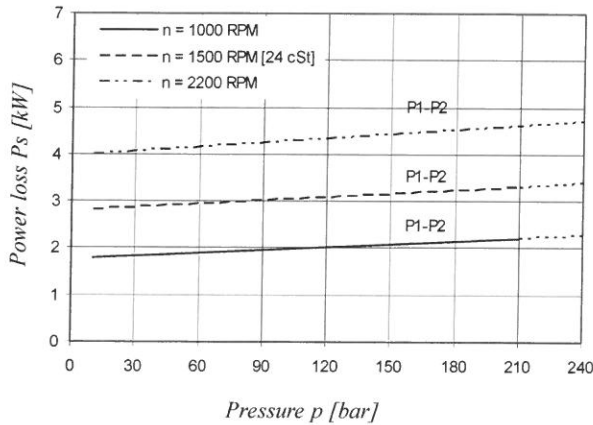
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

## NOISE LEVEL (TYPICAL) T7EE 050 - 050



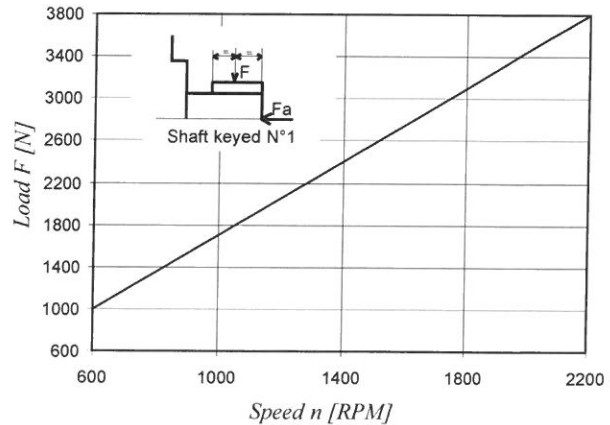
Double pump noise level is given with each section discharging at the pressure noted on the curve.

## HYDROMECHANICAL POWER LOSS (TYPICAL)



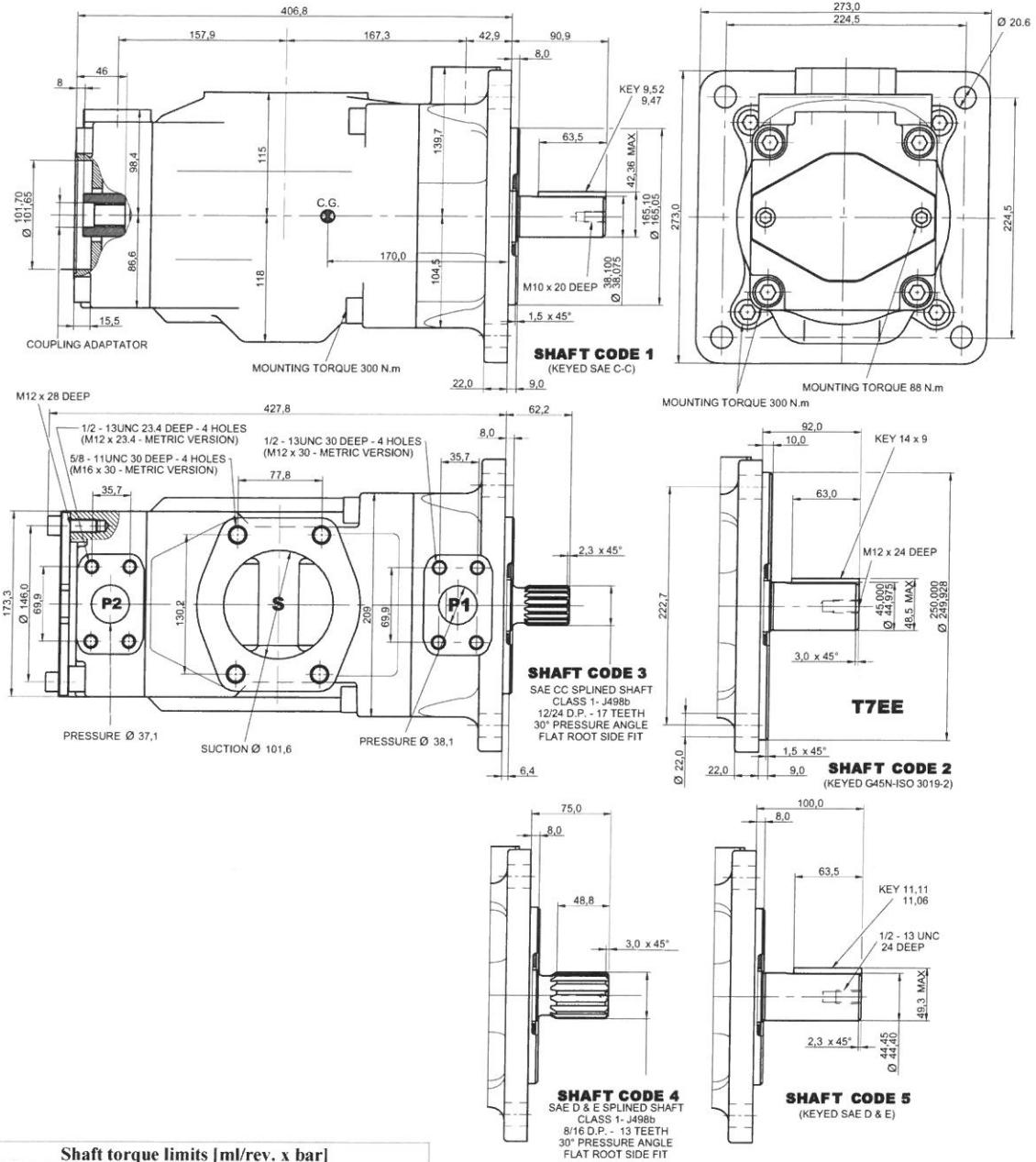
Total hydromechanical power loss is the sum of each section at its operating conditions.

## PERMISSIBLE RADIAL LOAD



Maximum permissible axial load  $F_a = 2000 \text{ N}$

**DIMENSIONS & OPERATING CHARACTERISTICS - Weight : 95 kg - T7EE AND T7EES SERIES**



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		

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

**OPERATING CHARACTERISTICS – TYPICAL [24 cst]**

Pressure port	Series	Volumetric displacem. Vi	Flow q <sub>vc</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>	-

1) 085 = 90 bar max. int.