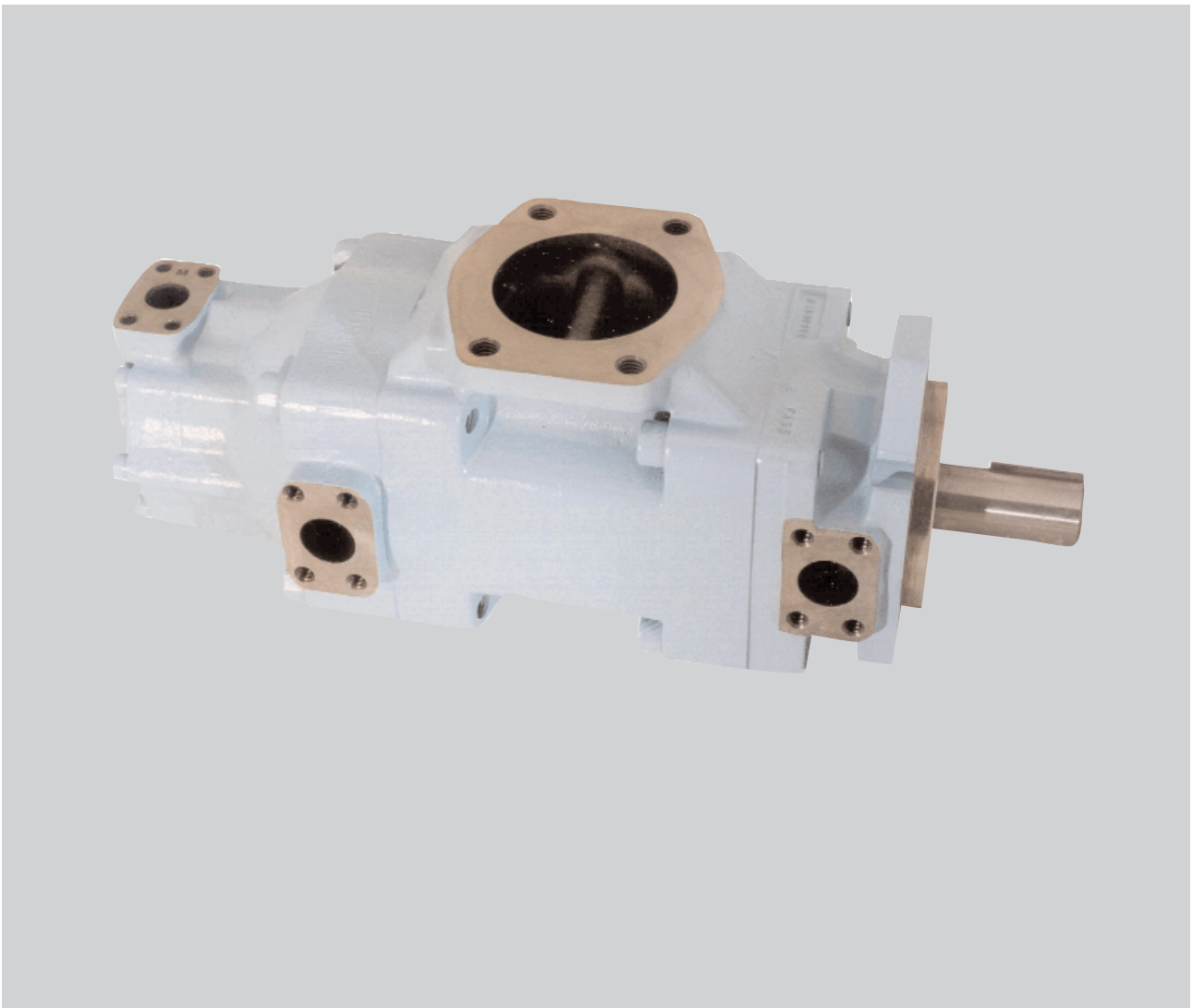


**DENISON HYDRAULICS**  
**high performance hydraulic**  
**new vane triple pump**  
**T6DDCS**



Publ. 1 - EN0737 - A

01 / 2000 / 2500 / FB

Replaces :

L13 - 10737 - 1

**DENISON** | **Hydraulics**

## ORDERING CODE - T6DDCS SERIES

**Model No.** **T6DDCS - 038 - 028 - 008 - 1 R 00 - A 1 00 - ..**

**Series** - SAE C 6 bolts  
Mounting flange J744c SAE C

**Displacement P1 and P2**  
Volumetric displacement (ml/rev.)  
014 = 47,6      035 = 111,0  
017 = 58,2      038 = 120,3  
020 = 66,0      042 = 136,0  
024 = 79,5      045 = 145,7  
028 = 89,7      050 = 158,0  
031 = 98,3

**Displacement 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

**Type of shaft**  
1 = keyed (SAE C)      4 = splined (SAE CC)  
2 = keyed (SAE CC)      5 = keyed (non SAE)  
3 = splined (SAE C)

**Modifications**

**Mounting w/connection variables**  
4 bolts SAE flange J518c

Type	P1 & P2 = 1"1/4 - S = 4"			
	UNC		Metric	
P3	1"	3/4"	1"	3/4"
Code	00	01	M0	M1

**Seal class**

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

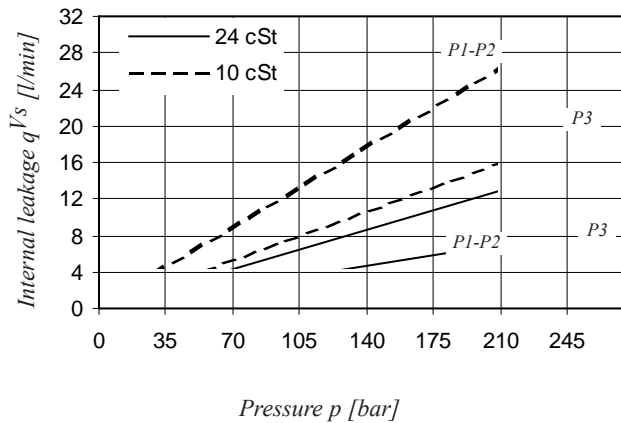
**Design letter**

**Porting combination**  
00 = standard

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

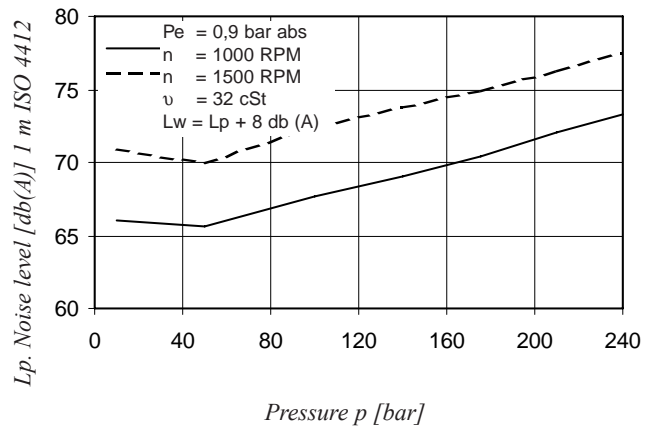
R = Clockwise  
L = Counter-clockwise

### INTERNAL LEAKAGE (TYPICAL)



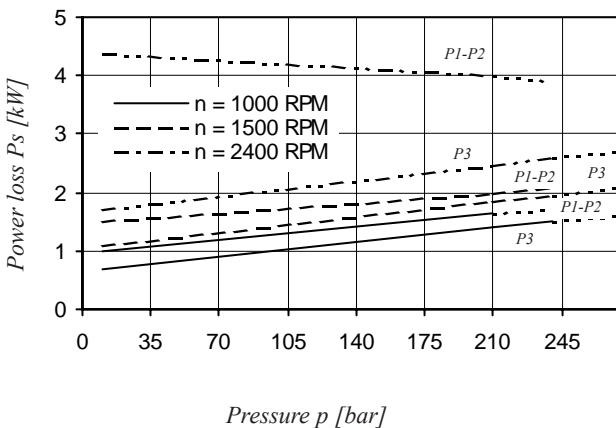
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

### NOISE LEVEL (TYPICAL) T6DDCS 038 - 038 - 022



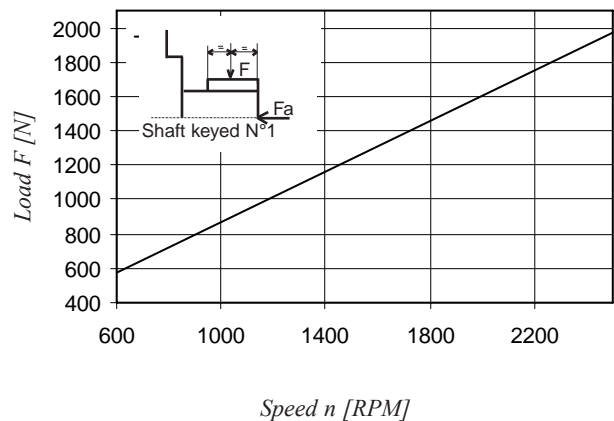
Double pump noise level is given with each section discharging at the pressure noted on the curve.

### POWER LOSS HYDROMECHANICAL (TYPICAL)

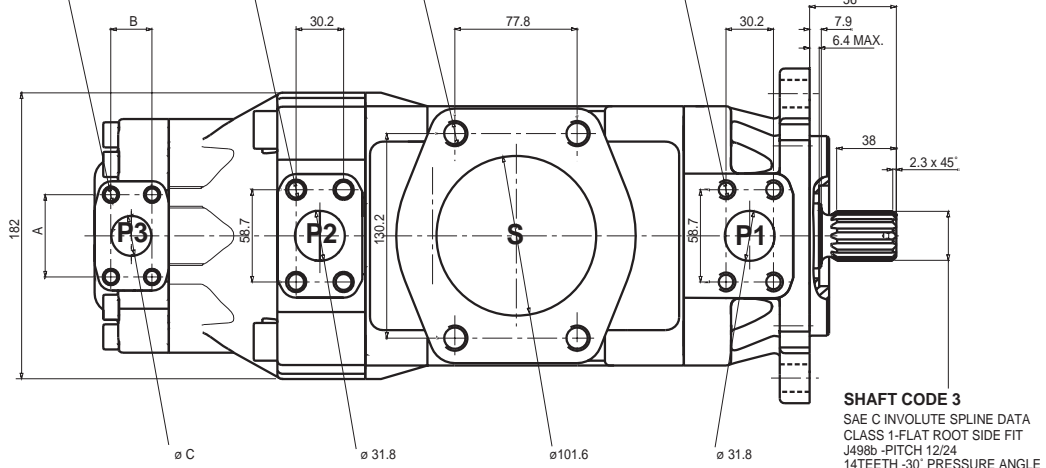
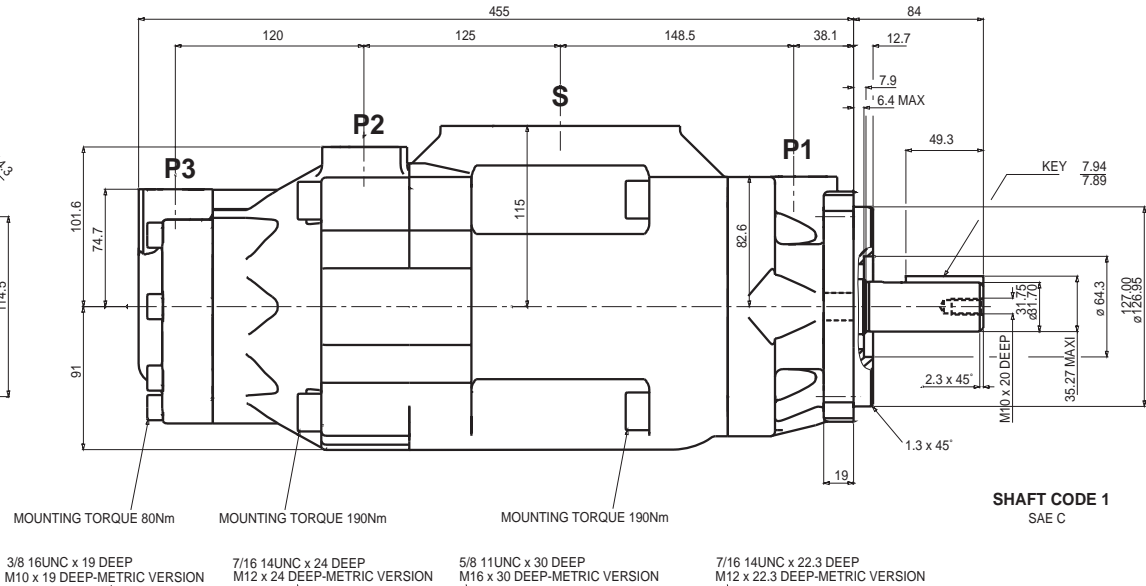
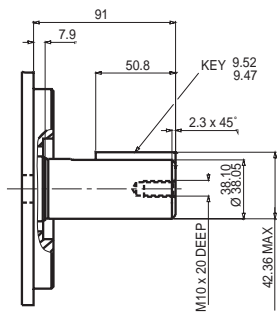
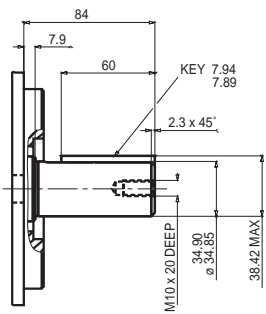
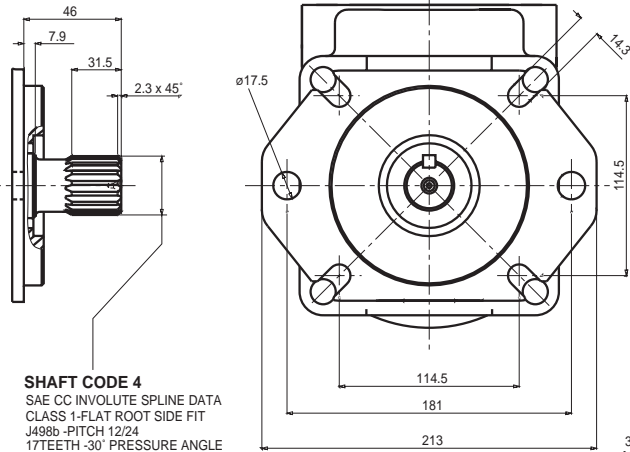


Total hydromechanical power loss is the sum of each section at its operating conditions.

### PERMISSIBLE RADIAL LOAD



Maximum permissible axial load  $F_a = 1200\text{ N}$



Shaft torque limits [ml/rev x bar]	
Shaft	Vi x p max.
1	43240
2	72306
3	61200
5	55600

Alternate port				
Port	Code	A	B	C
P3	00 - M0	52,4	26,2	25,4
	01 - M1	47,6	22,2	19,0