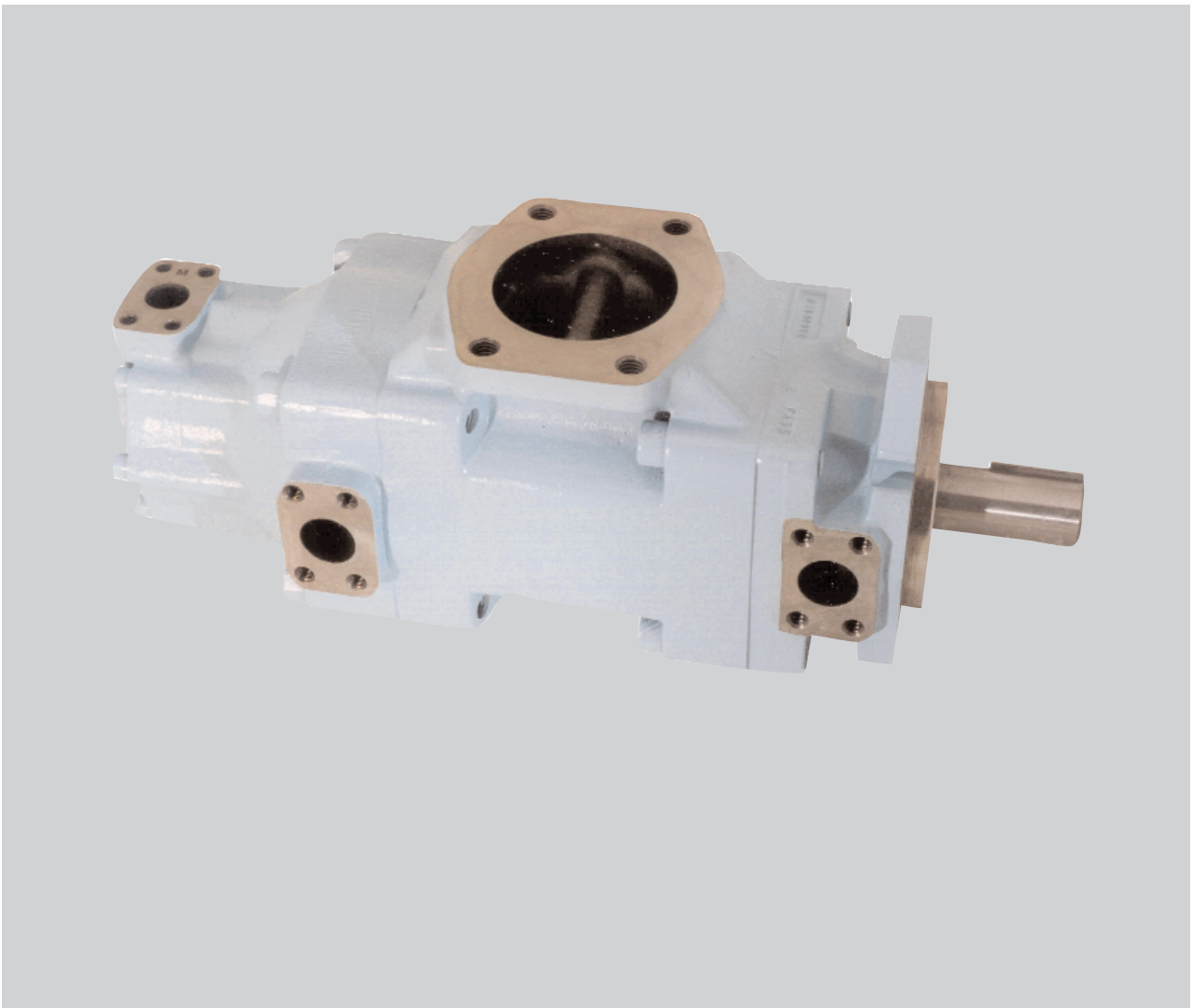


DENISON HYDRAULICS
high performance hydraulic
new vane triple pump
T6DDCS



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

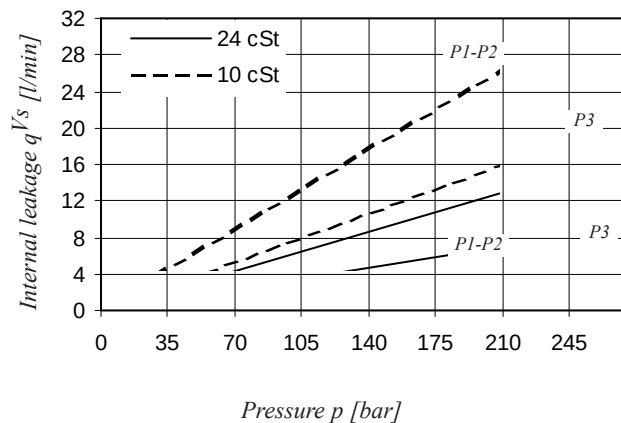
00 = standard

Direction of rotation (view on shaft end)

R = Clockwise

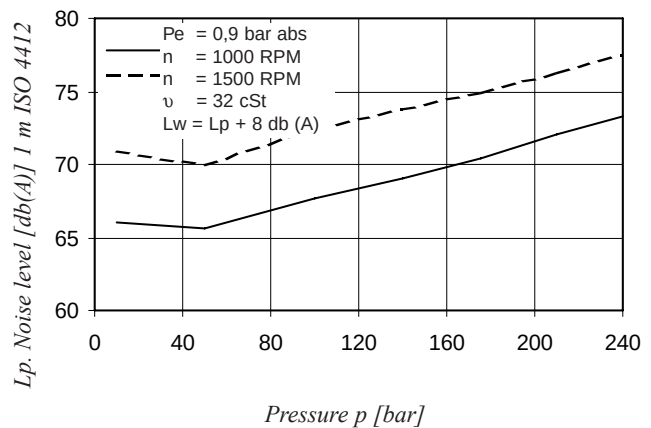
L = Counter-clockwise

INTERNAL LEAKAGE (TYPICAL)



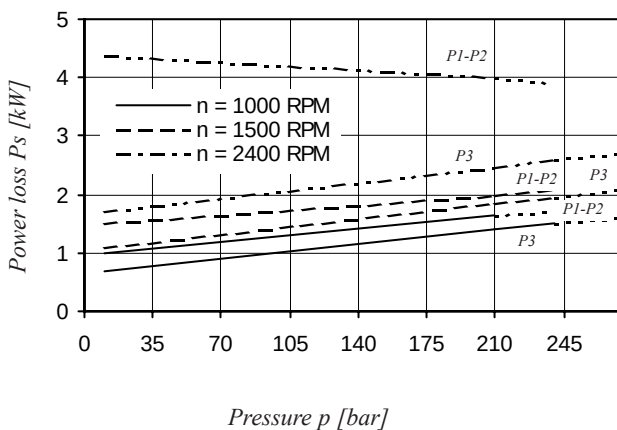
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL) T6DDCS 038 - 038 - 022



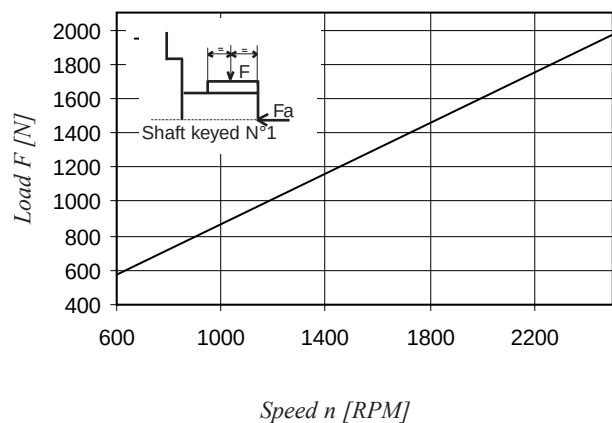
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

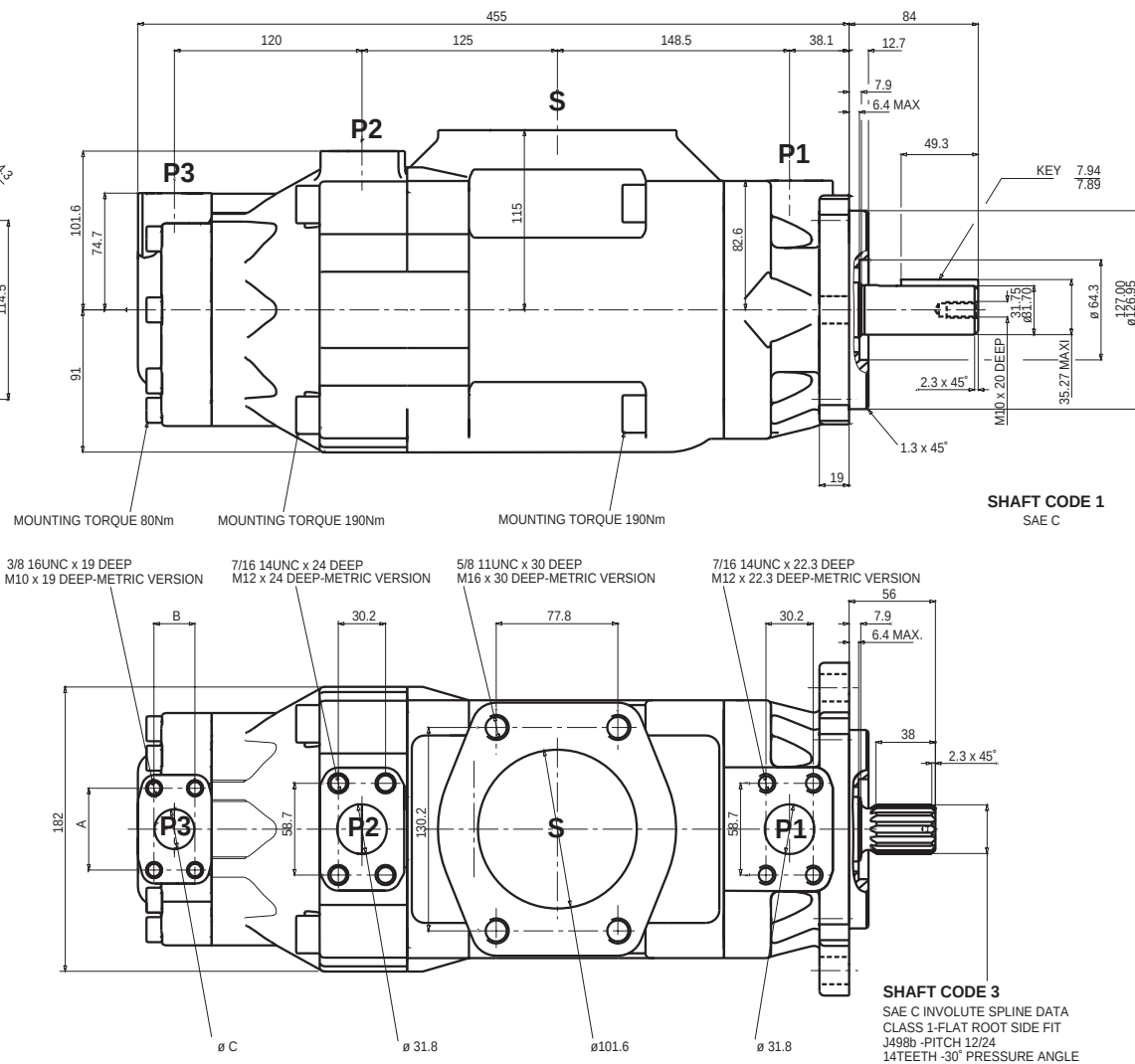
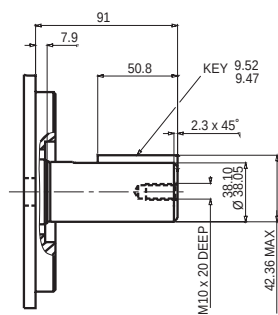
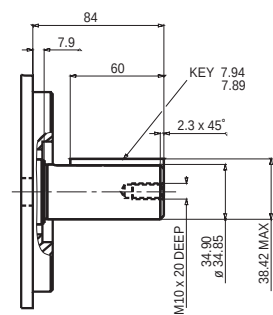
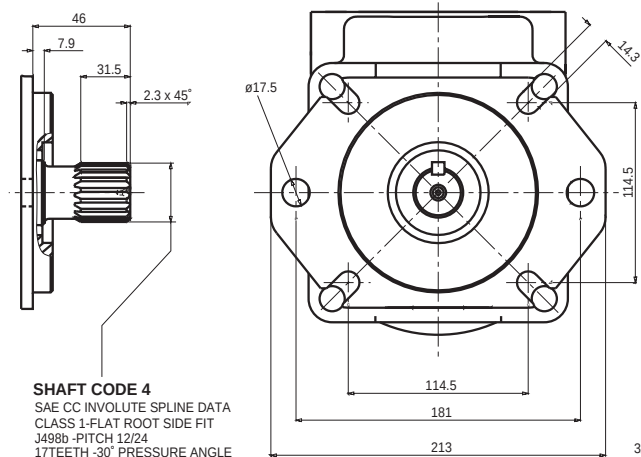


Total hydromechanical power loss is the sum of each section at its operating conditions.

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