

Hydraulic Pumps Mobile & Industrial T6*R

Denison Vane Technology, fixed displacement

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

Model No. **T6ER - 066 - 1 R 00 - A 1 0 - A 1 ..**

Series

Cam ring

(Delivery at 0 bar & 1500 r.p.m.)

042 = 198,5 l/min 062 = 295,0 l/min

045 = 213,6 l/min 066 = 319,9 l/min

050 = 237,7 l/min 072 = 340,6 l/min

052 = 247,2 l/min

Type of shaft

1 = keyed (SAE CC)

3 = splined (SAE C)

4 = splined (SAE CC)

Direct. of rotation (view on shaft end)

R = clockwise

L = counter-clockwise

Porting combination

Modification

Seal class

1 = S1 (for mineral oil)

4 = S4 (for the resistant fluids)

5 = S5 (for mineral oil and fire resistant fluids)

Design letter

Porting adaptor

Coupling

1 = SAE A

2 = SAE B

3 = SAE BB

4 = SAE C

5 = SAE J498b

16/32 - 11 teeth

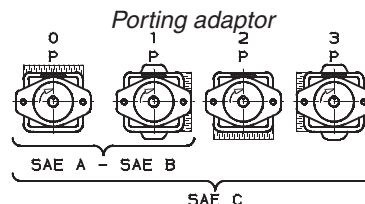
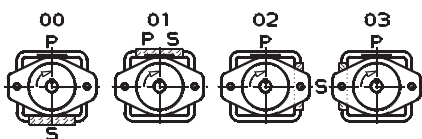
Adaptor

0 = None

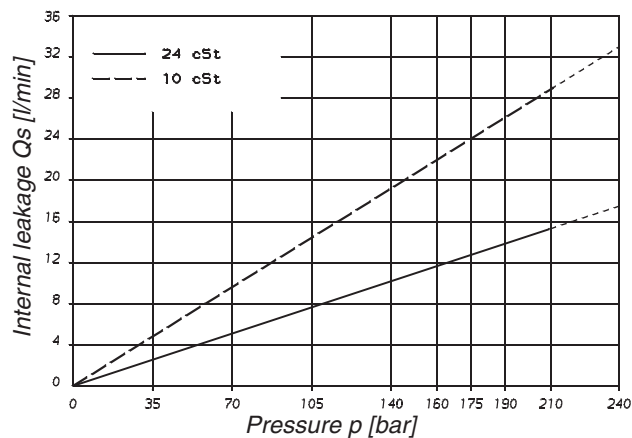
A = SAE A

B = SAE B

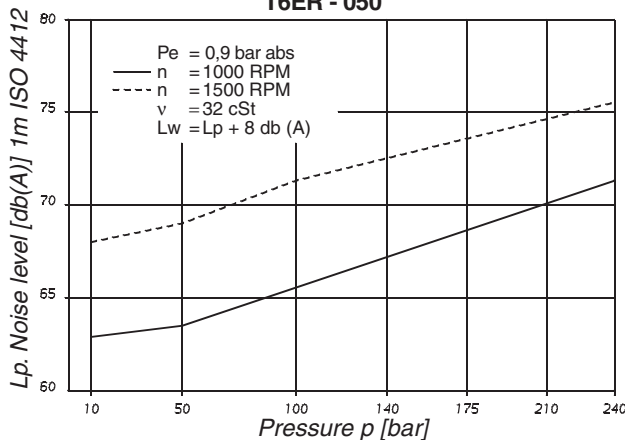
C = SAE C



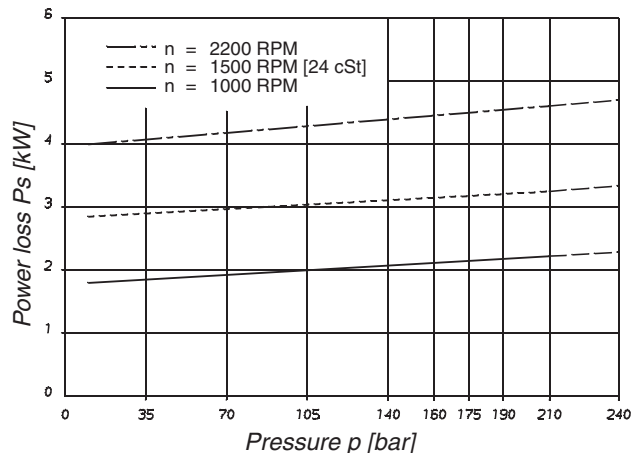
INTERNAL LEAKAGE (TYPICAL)



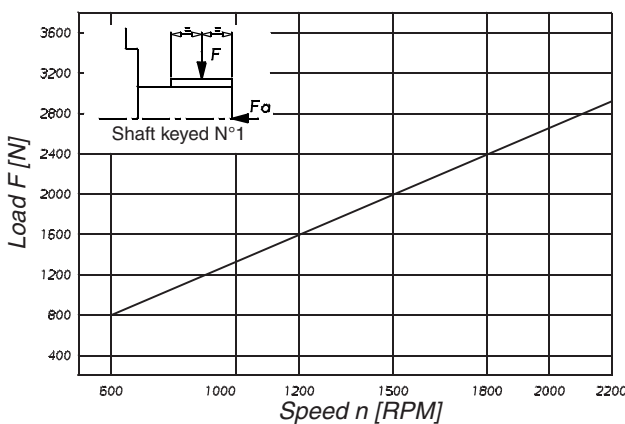
**NOISE LEVEL (TYPICAL)
T6ER - 050**



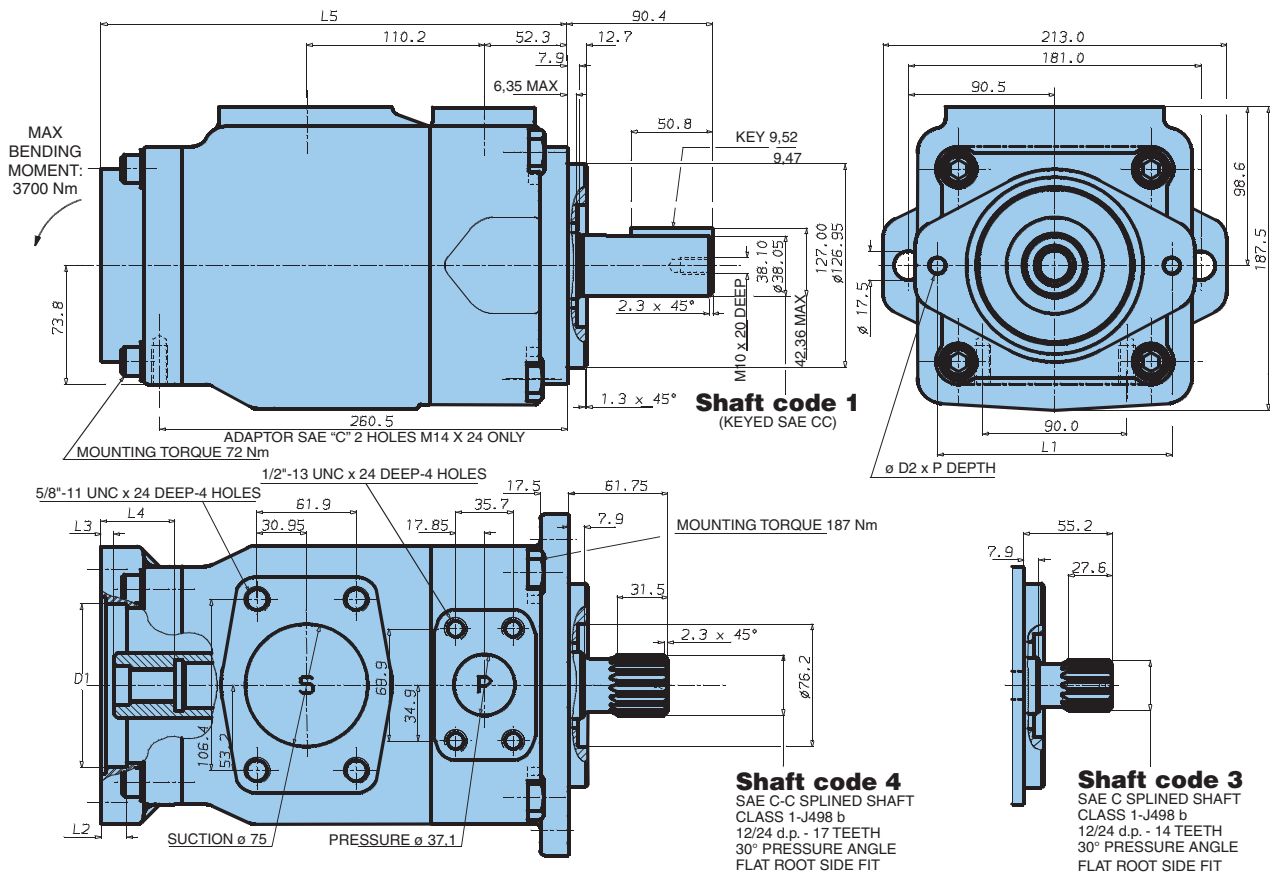
POWER LOSS HYDROMECHANICAL (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load $F_a = 2000$ N



Weight 42.5 kg

Adaptor	D1	D2	P	L1	L2	L3	L4	L5
SAE A	82,65/82,60	M10	24	106,4	11,0	8,0	32,0	272,0
SAE B	101,70/101,65	M12	28	146,0	16,0	8,0	46,0	286,0
SAE C	127,10/127,05	M16	-	181,0	16,0	8,0	56,0	296,0

Adaptor	SAE A			SAE B		SAE C
Coupling drive	SAE A	SAE 11 teeth	SAE B	SAE B	SAE BB	SAE C
Number of teeth	9	11	13	13	15	14
Pitch	16/32	16/32	16/32	16/32	16/32	12/24
Pressure angle	30°	30°	30°	30°	30°	30°
Major dia. (min)	15,875	19,05	22,225	22,225	25,400	31,750
Minor dia. (min)	12,700	16,017	19,134	19,134	22,268	27,589

Shaft torque limits [ml/rev x bar]			
Shaft	Vi x p max.	Coupling drive	Vi x p max.
1	80560	SAE A	11000
2	61200	SAE B	20600
4	120210	SAE BB	32670
		SAE C	66480
		SAE - 11 teeth	15850

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Series	Volumetric Displacement Vi	Flow Q [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
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
062	196,7 ml/rev	295,0	285,0	277,7	6,4	71,9	121,3
066	213,3 ml/rev	319,9	309,9	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

Port connection can be furnished with metric threads.

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