



DTA

Damen Technical Agencies



Industrial Hydraulic Pumps T6DR, T6DRY

Denison Vane Technology, fixed displacement

Hydraulic Pumps

- Hydraulic Motors
- Hydraulic Valves
- Hydraulic Cylinders
- Hydraulic Filtration
- Hydraulic Accumulators



ENGINEERING YOUR SUCCESS.

We are doing our parts to keep you moving!

DTA your 1 Stop Shop for Hydraulics, Pneumatics and Power Transmissions.

DECLARATION OF CONFORMITY

DTA Hydraulics is a tradename of Damen Technical Agencies BV, supplying hydraulic parts to various industries since 1990. As a Certified Distributor Hydraulics by Parker Hannifin and Authorized Denison Vane Pump Assembler, we guarantee the use of original parts and components. As such we provide you with vane pumps of the same level of quality and warranty conditions as the factory does.

We highly recommend to **use genuine Denison Hydraulics spare parts only** in order to ensure smooth operation and longer service life. Spare parts that we have on stock include pump cartridge kits, shaft and bearing assemblies, seal kits and non-wearing parts of both the T6 and T7 series vane pumps.



**ALL VANE PUMPS SUPPLIED OR REPAIRED BY
DTA HYDRAULICS HAVE BEEN ASSEMBLED ACCORDING
TO THE LATEST FACTORY SPECIFICATIONS WITH
BRAND NEW AND GENUINE DENISON HYDRAULICS PARTS**

We are able to provide you a large variety of options of the original Parker Denison single, double, and triple vane pumps. We can build any customized vane pump from our stock of genuine parts. You can now easily configure that vane pump yourself with the Denison Hydraulics Vane Pump Configurator.

vanepump.eu/vanepumps

Use advanced search to filter results based on configurable options and select any of the 25,000 vane pumps that are listed in our online catalogue. Most of the models are available from stock and ready for shipment to any place in the world instantly. We can supply **Any part, Anytime, Anywhere!**



Ordering Code

Model No. T6DR (Y) - 022 - 1 L 00 - A 1 0 - A 1

Series

Y = Port flanges with metric threads

Cam ring

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

014 = 71,4 l/min	035 = 166,5 l/min
017 = 87,3 l/min	038 = 180,4 l/min
020 = 99,0 l/min	042 = 204,0 l/min
024 = 119,3 l/min	045 = 218,5 l/min
028 = 134,5 l/min	050 = 237,0 l/min
031 = 147,4 l/min	

Type of shaft

- 1 = keyed (SAE C)
- 2 = keyed (SAE CC)
- 3 = splined (SAE C)
- 5 = keyed (non SAE)

Direct. of rotation (view on shaft end)

- R = clockwise
- L = counter-clockwise

Porting combination

00 = standard

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

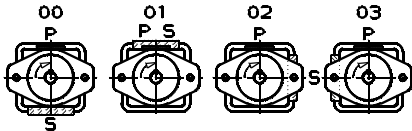
Porting adaptor

Coupling

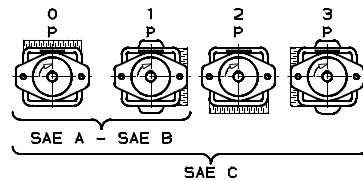
- 1 = SAE A
- 2 = SAE B
- 3 = SAE BB
- 4 = SAE C
- 5 = SAE J498b
- 16/32 - 11 teeth

Adaptor

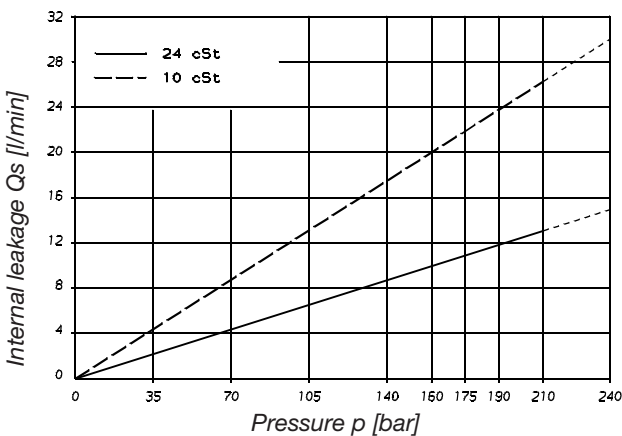
- 0 = None
- A = SAE A
- B = SAE B
- C = SAE C



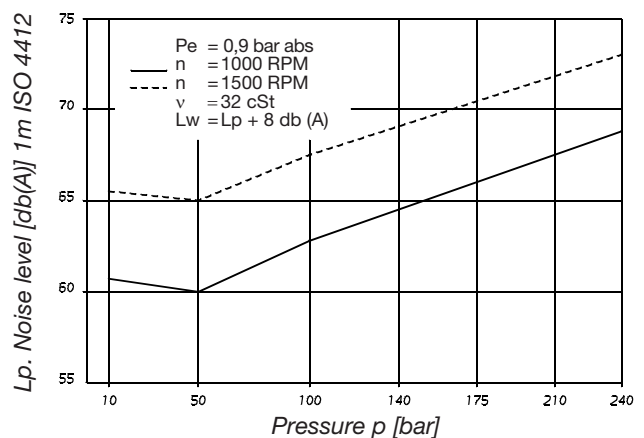
Porting adaptor



INTERNAL LEAKAGE (TYPICAL)

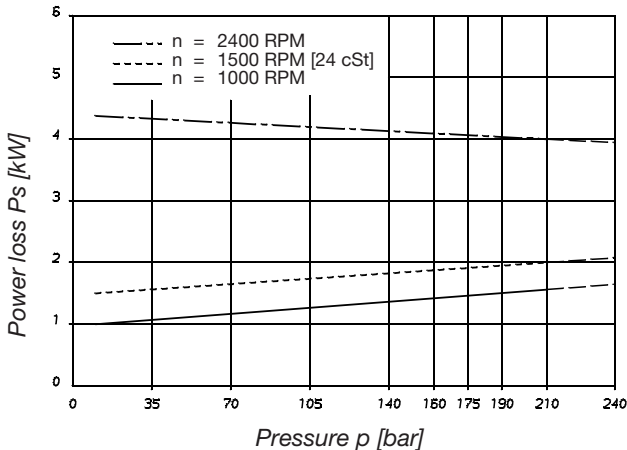


NOISE LEVEL (TYPICAL) - T6DR - 038

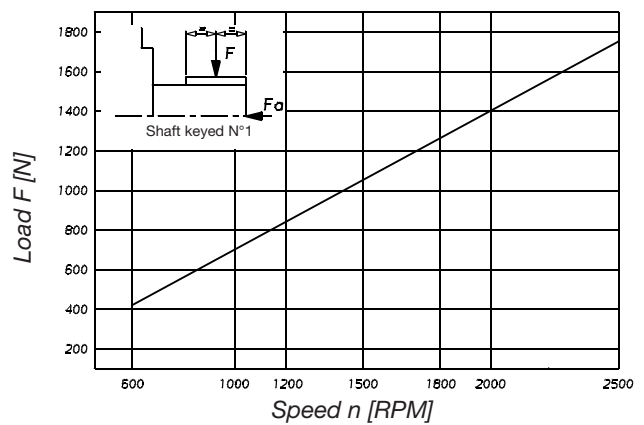


Do not operate the pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50% of theoretical flow

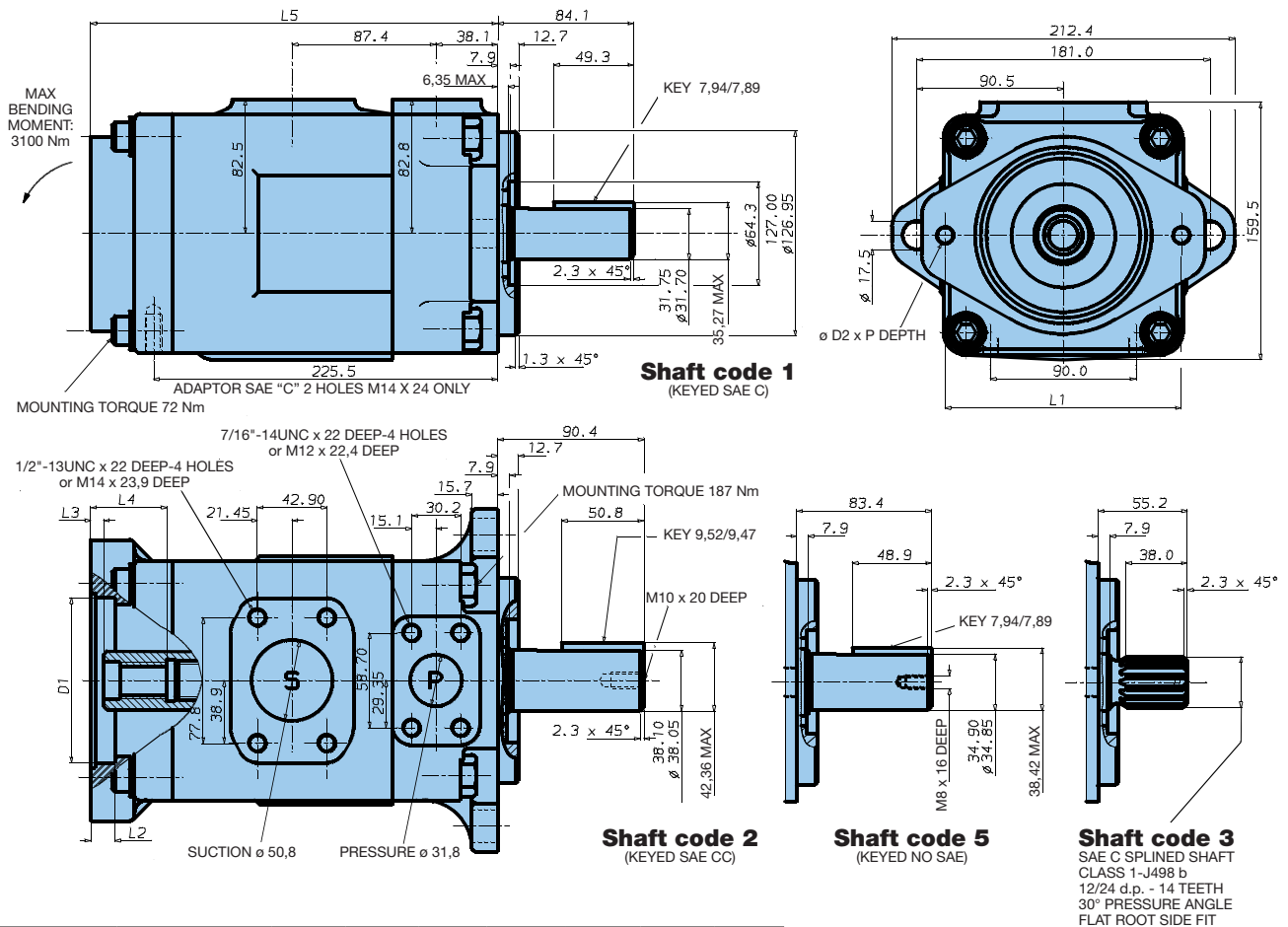
POWER LOSS HYDROMECHANICAL (TYPICAL)



PERMISSIBLE RADIAL LOAD



Maximum permissible axial load Fa = 1200 N



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	237,0
SAE B	101,70/101,65	M12	28	146,0	16,0	8,0	46,0	251,0
SAE C	127,10/127,05	M16	-	181,0	16,0	8,0	56,0	261,0

Weight 32,3 kg

Adaptor	SAE A			SAE B		SAE C
	SAE A	SAE 11 teeth	SAE B	SAE B	SAE BB	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	43240	SAE A	11000
2	66036	SAE B	20600
3	61200	SAE BB	32670
5	55600	SAE C	37390
		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
014	47,6 ml/rev	71,4	62,1	55,9	2,3	18,5	30,6
017	58,2 ml/rev	87,3	78,0	71,8	2,5	22,2	37,0
020	66,0 ml/rev	99,0	89,7	83,5	2,8	24,9	41,7
024	79,5 ml/rev	119,3	110,0	103,8	3,0	29,6	49,8
028	89,7 ml/rev	134,5	125,2	119,0	3,2	33,2	55,9
031	98,3 ml/rev	147,4	138,1	131,9	3,3	36,2	61,1
035	111,0 ml/rev	166,5	157,2	151,0	3,5	40,7	68,7
038	120,3 ml/rev	180,4	171,1	164,9	3,7	43,9	74,3
042 ¹⁾	136,0 ml/rev	204,0	194,7	188,5	4,0	49,4	83,7
045 ¹⁾	145,7 ml/rev	218,5	209,2	203,0	4,1	52,8	89,5
050 ¹⁾	158,0 ml/rev	237,0	227,7	224,0 ²⁾	4,4	57,0	85,0 ²⁾

¹⁾ 042 - 045 - 050 = 2200 R.P.M. max. ²⁾ 050 = 210 bar max. int. Port connection can be furnished with metric threads.



DTA

Damen Technical Agencies

OVER 25 YEARS

we are doing our parts to keep you moving!

DTA your ONE Stop Shop

for Hydraulics, Pneumatics and Power Transmissions

Damen Technical Agencies B.V.

Prins Willemstraat 10 - 4791 JR Klundert - The Netherlands

+31 - 168 - 407 144

info@vanepump.eu - vanepump.eu - dta.eu



DTA

Damen Technical Agencies