

# ORDERING CODE - T6D SERIES INDUSTRIAL APPLICATION

**Model No.**

**T6D - 045 - 1 R 00 - B 1**

**Series**

**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 (no SAE)
- 3 = splined (SAE C)
- 4 = splined (no SAE)

**Modification**

**Seal class**

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

**Design letter**

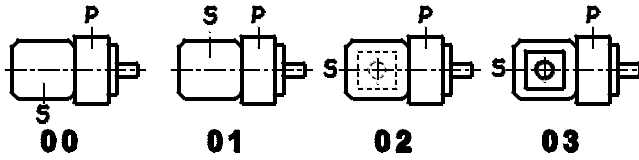
**Porting combination**

00 = standard

**Direct. of rotation (view on shaft end)**

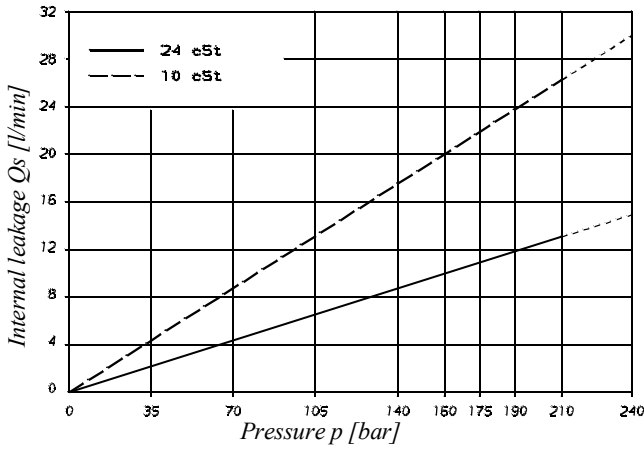
R = clockwise

L = counter-clockwise

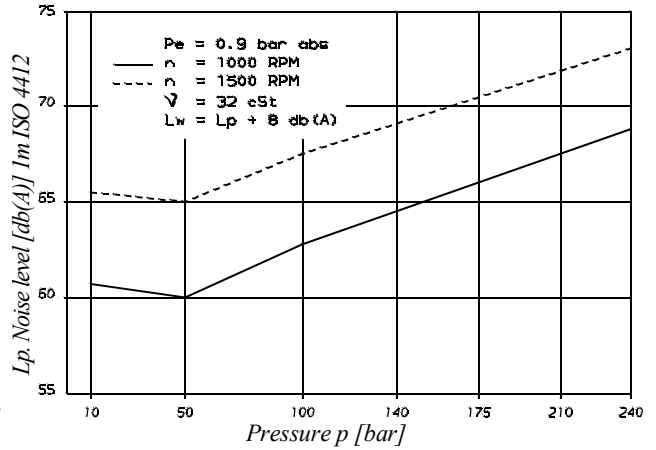


P = Pressure port  
S = Suction port

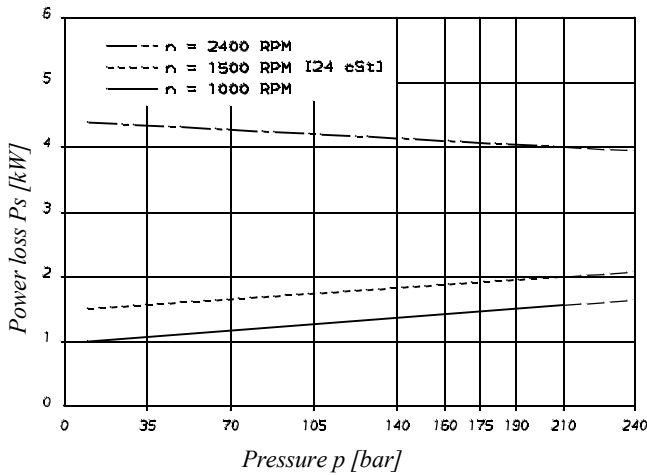
**INTERNAL LEAKAGE (TYPICAL)**



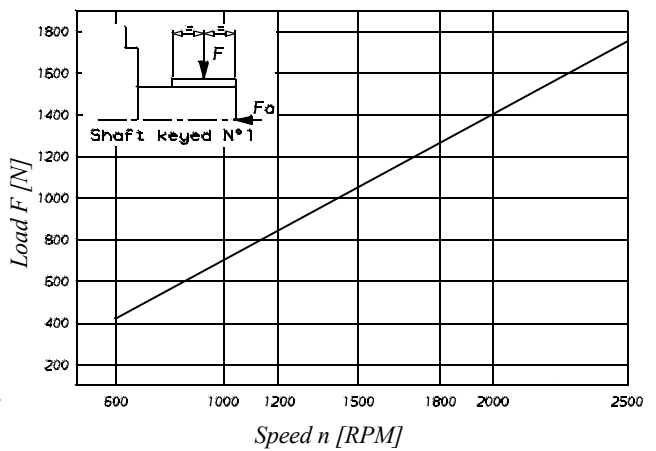
**NOISE LEVEL (TYPICAL)**  
T6D - 038



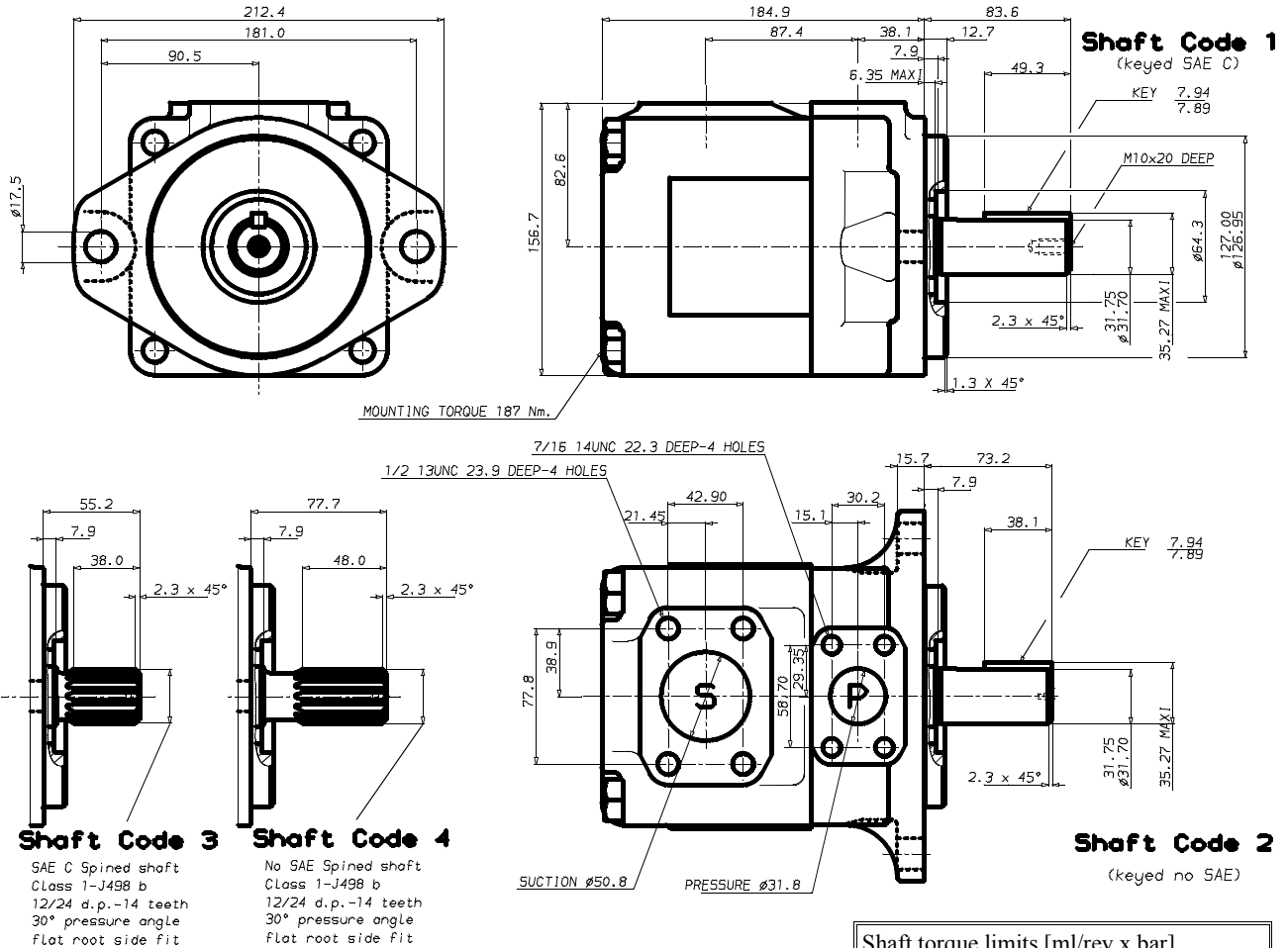
**POWER LOSS HYDROMECHANICAL (TYPICAL)**



**PERMISSIBLE RADIAL LOAD**



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



Shaft torque limits [ml/rev x bar]		
Pump	Shaft	V x p max.
T6D	2	34590

**OPERATING CHARACTERISTICS - TYPICAL [24 cSt]**

Series	Volumetric Displacement Vi	Speed n [R.P.M.]	Flow qve [l/min]			Input power P [kW]		
			p = 0 bar	p = 140 bar	p = 240 bar	p = 7 bar	p = 140 bar	p = 240 bar
014	47,6 ml/rev	1000	47,6	38,3	32,1	1,5	12,5	20,7
		1500	71,4	62,1	55,9	2,3	18,5	30,6
017	58,2 ml/rev	1000	87,3	78,0	71,8	2,5	22,2	37,0
		1500	134,5	125,2	119,0	3,2	33,2	55,9
020	66,0 ml/rev	1000	66,0	56,7	50,5	1,7	16,8	28,0
		1500	99,0	89,7	83,5	2,8	24,9	41,7
024	79,5 ml/rev	1000	79,5	70,2	64,0	1,9	19,9	33,4
		1500	119,3	110,0	103,8	3,0	29,6	49,8
028	89,7 ml/rev	1000	89,7	80,4	74,2	2,0	22,3	37,5
		1500	134,5	125,2	119,0	3,2	33,2	55,9
031	98,3 ml/rev	1000	98,3	89,0	82,8	2,1	24,3	40,9
		1500	147,4	138,1	131,9	3,3	36,2	61,0
035	111,0 ml/rev	1000	111,0	101,7	95,5	2,3	27,3	46,0
		1500	166,5	157,2	151,0	3,5	40,7	68,7
038	120,3 ml/rev	1000	120,3	111,0	104,8	2,4	29,4	49,8
		1500	180,4	171,1	164,9	3,7	43,9	74,3
042 <sup>1)</sup>	136,0 ml/rev	1000	136,0	126,7	120,5	2,6	33,1	56,0
		1500	204,0	194,7	188,5	4,0	49,4	83,7
045 <sup>1)</sup>	145,7 ml/rev	1000	145,7	136,4	130,2	2,7	35,3	59,9
		1500	218,5	209,2	203,0	4,1	52,8	89,5
050 <sup>1)</sup>	158,0 ml/rev	1000	158,0	148,7	145,0 <sup>2)</sup>	2,8	38,2	56,8 <sup>2)</sup>
		1500	237,0	227,7	224,0 <sup>2)</sup>	4,4	57,0	85,0 <sup>2)</sup>

1) 042 - 045 - 050 = 2200 R.P.M. max.

2) 050 = 210 bar max. int.

Port connection can be furnished with metric threads.