

Industrial Hydraulic Pumps T67DB, T67DBW

Hydraulic Pumps

Parker



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Model No.

T67DB W - 045 - B10 - 1 R 00 - A 1 M1 -

Series - SAE C 2 bolts
Mounting flange J744c

Use for severe duty shaft only

Cam ring for "P1"

(Delivery at 0 bar & 1500 RPM)

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

Cam ring for "P2"

(Delivery at 0 bar & 1500 RPM)

B02 = 8,7 l/min	B07 = 33,7 l/min
B03 = 14,7 l/min	B08 = 37,4 l/min
B04 = 19,2 l/min	B10 = 47,7 l/min
B05 = 23,8 l/min	B12 = 61,5 l/min
B06 = 29,7 l/min	B15 = 75,0 l/min

Type of shaft

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

Type of shaft - W severe duty

- 5 = keyed (non SAE)

Modifications

Mounting w/connection variables

- 11 = 4 bolts SAE flanges (J518c) UNC thread
- M1 = 4 bolts SAE flanges (J518c) metric thread

Seal class

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

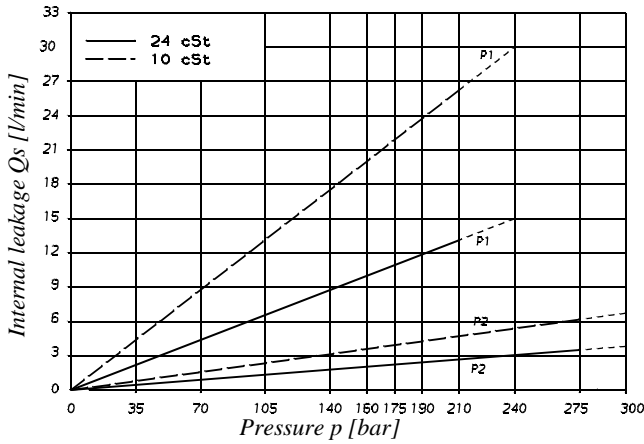
Design letter

- 00 = standard

Direction of rotation (view on shaft end)

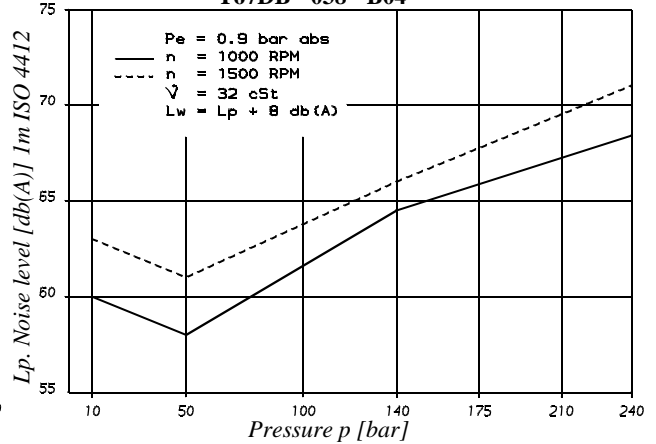
- R = clockwise
- L = counter-clockwise

INTERNAL LEAKAGE (TYPICAL)



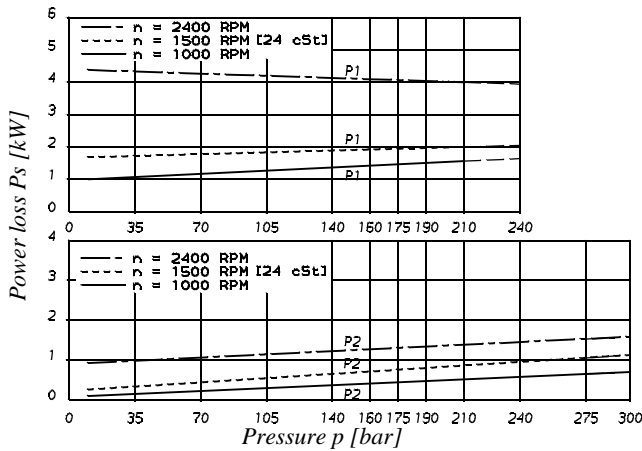
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is higher than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)
T67DB - 038 - B04



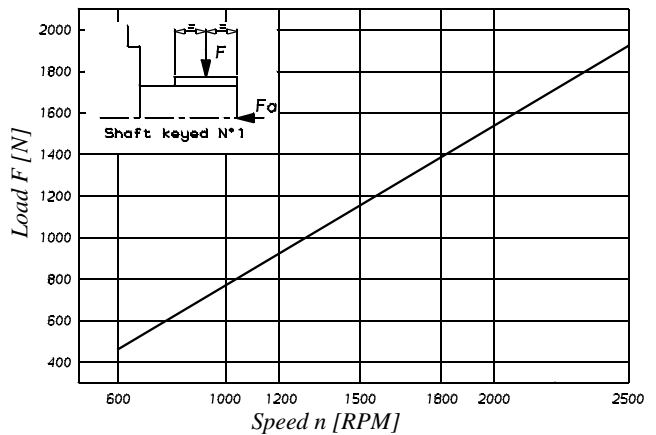
Double pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)



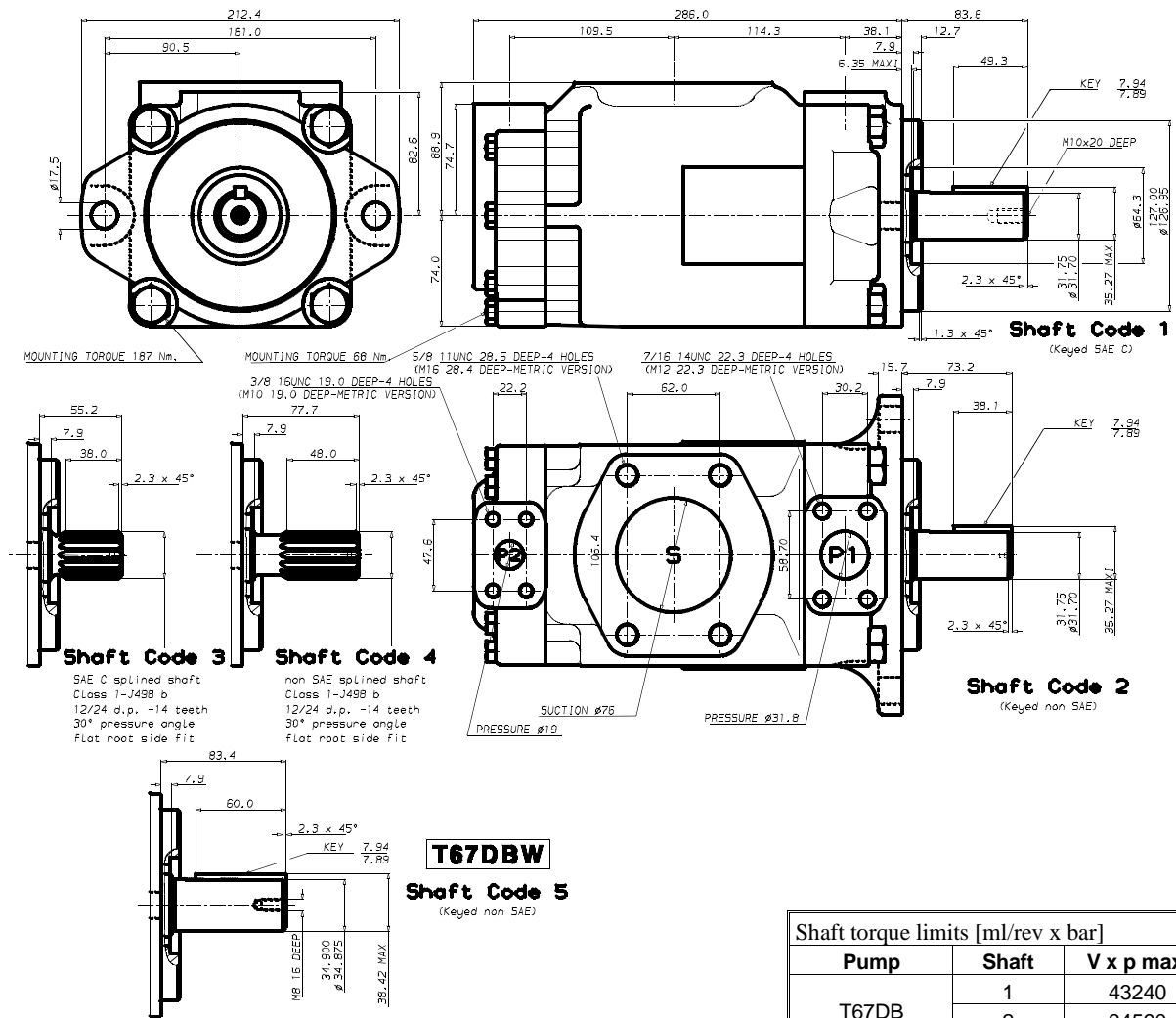
Total hydromechanical power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



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

DIMENSIONS & OPERATING CHARACTERISTICS - Weight : 36,6 kg - T67DB SERIES



Shaft torque limits [ml/rev x bar]		
Pump	Shaft	V x p max.
T67DB	1	43240
	2	34590

OPERATING CHARACTERISTICS - TYPICAL [24 Cst]

Pressure port	Series	Volumetric displacem. Vi	Flow q _v [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
P1	014	47,6 ml/rev	71,4	62,1	55,9	2,3	18,5	30,6
	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	61,0
	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*	136,0 ml/rev	204,0	194,7	188,5	4,0	49,4	83,7
	045*	145,7 ml/rev	218,5	209,2	203,0	4,1	52,8	89,5
	050*	158,0 ml/rev	237,0	227,7	224,0**	4,4	57,0	85,0**
P2			p = 0 bar	p = 140 bar	p = 300 bar	p = 7 bar	p = 140 bar	p = 300 bar
	B02	5,8 ml/rev	8,7	7,0	5,1	0,5	2,6	5,1
	B03	9,8 ml/rev	14,7	13,0	11,1	0,6	4,0	8,1
	B04	12,8 ml/rev	19,2	17,5	15,6	0,6	5,0	10,4
	B05	15,9 ml/rev	23,9	22,2	20,2	0,7	6,1	12,7
	B06	19,8 ml/rev	29,7	28,0	26,1	0,7	7,5	15,6
	B07	22,5 ml/rev	33,7	32,0	30,2	0,8	8,5	17,6
	B08	24,9 ml/rev	37,4	35,7	33,7	0,8	9,3	19,5
	B10	31,8 ml/rev	47,7	46,0	44,1	0,9	11,7	24,6
	B12	41,0 ml/rev	61,5	59,8	57,9	1,1	14,9	31,5
	B15	50,0 ml/rev	75,0	73,3	71,6***	1,3	18,1	35,7***

* 042 - 045 - 050 = 2200 RPM max.

** 050 = 210 bar max. int.

*** B15 = 280 bar max. int.