

ORDERING CODE & OPERATING CHARACTERISTICS - T6EDC SERIES INDUSTRIAL APPLICATION

Model No.

T6EDC - 062 - 035 - 017 - 1 R 00 - A 1 - P 0 -

Series

P1 P2 P3

Cam ring for "P1"

(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

Cam ring for "P2"

(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

Cam ring for "P3"

(Delivery at 0 bar & 1500 r.p.m.)
 003 = 16,2 l/min 017 = 87,4 l/min
 005 = 25,8 l/min 020 = 95,7 l/min
 006 = 31,9 l/min 022 = 105,4 l/min
 008 = 39,6 l/min 025 = 118,9 l/min
 010 = 51,1 l/min 028 = 133,2 l/min
 012 = 55,6 l/min 031 = 150,0 l/min
 014 = 69,0 l/min

Modification

Mounting W/connection variables
 0 = P3 = 1" SAE
 1 = P3 = 3/4" SAE

Options

F = Standard
 P = 4 holes for external support

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 (see pages 30 - 31)
 00 = standard

Direct. of rotation (view on shaft end)

R = clockwise
 L = counter-clockwise

Type of shaft

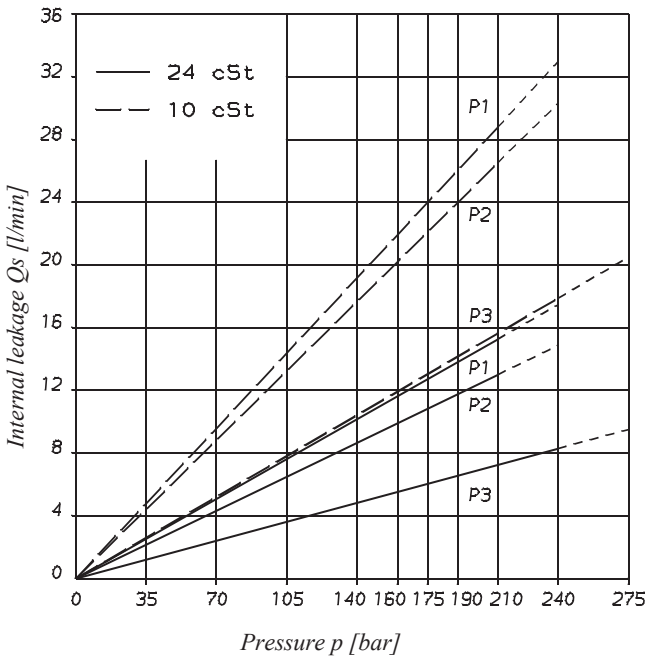
1 = keyed (G45N - ISO 3019-2)

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Pressure port	Series	Volumetric Displacement 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	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	277,9	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
P2	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	61,0
	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 ¹⁾	4,4	57,0	85,0 ¹⁾	
P3	003	10,8 ml/rev	16,2	11,2	7,7	1,3	5,3	8,4
	005	17,2 ml/rev	25,8	20,8	17,3	1,4	7,5	12,2
	006	21,3 ml/rev	31,9	26,9	23,4	1,5	8,9	14,7
	008	26,4 ml/rev	39,6	34,6	31,1	1,6	10,7	17,7
	010	34,1 ml/rev	51,1	46,1	42,6	1,7	13,4	22,3
	012	37,1 ml/rev	55,6	50,6	47,1	1,7	14,4	24,1
	014	46,0 ml/rev	69,0	64,0	60,5	1,9	17,6	29,5
	017	58,3 ml/rev	87,4	82,4	78,9	2,1	21,9	36,9
	020	63,8 ml/rev	95,7	90,7	87,2	2,2	23,8	40,2
	022	70,3 ml/rev	105,4	100,4	96,9	2,3	26,1	44,1
	025	79,3 ml/rev	118,9	113,9	110,4	2,5	29,2	49,5
	028	88,8 ml/rev	133,2	128,2	125,8 ¹⁾	2,8	32,7	48,5 ¹⁾
	031	100,0 ml/rev	150,0	145,0	142,6 ¹⁾	2,8	36,5	54,4 ¹⁾

1) 028 - 031 - 050 = 210 bar max. int.

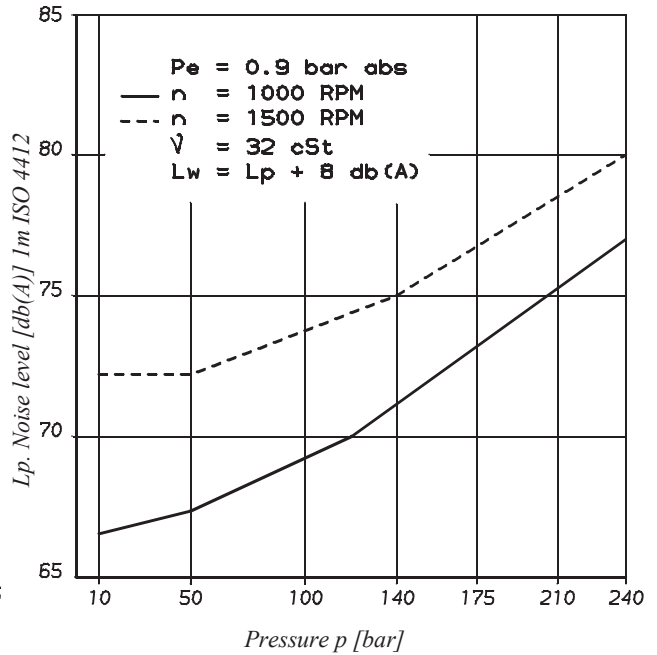
INTERNAL LEAKAGE (TYPICAL)



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

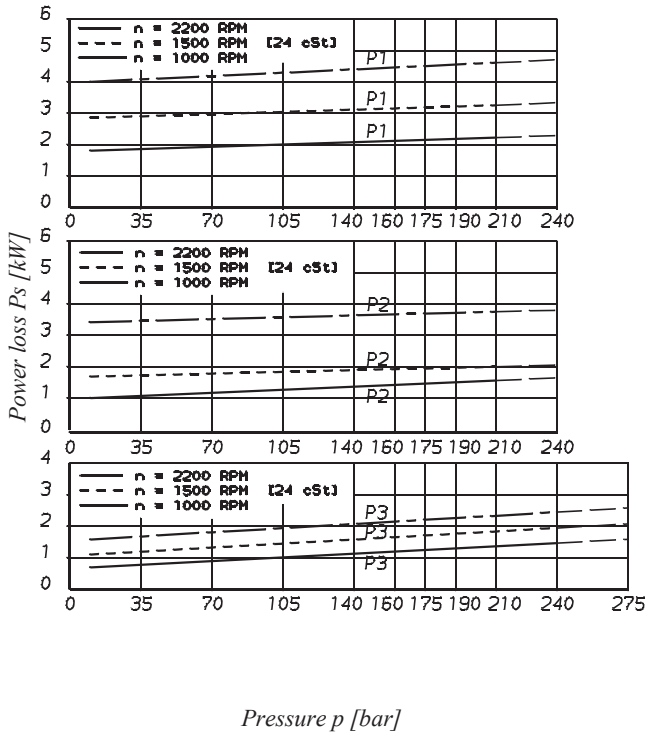
NOISE LEVEL (TYPICAL)

T6EDC - 062 - 035 - 017



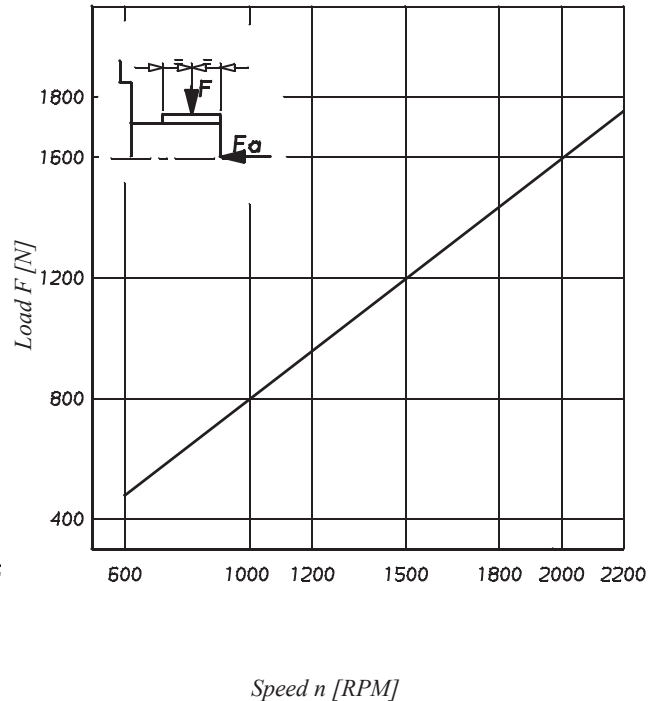
Triple pump noise level is given with each section discharging at the pressure noted on the curve.

POWER LOSS HYDROMECHANICAL (TYPICAL)

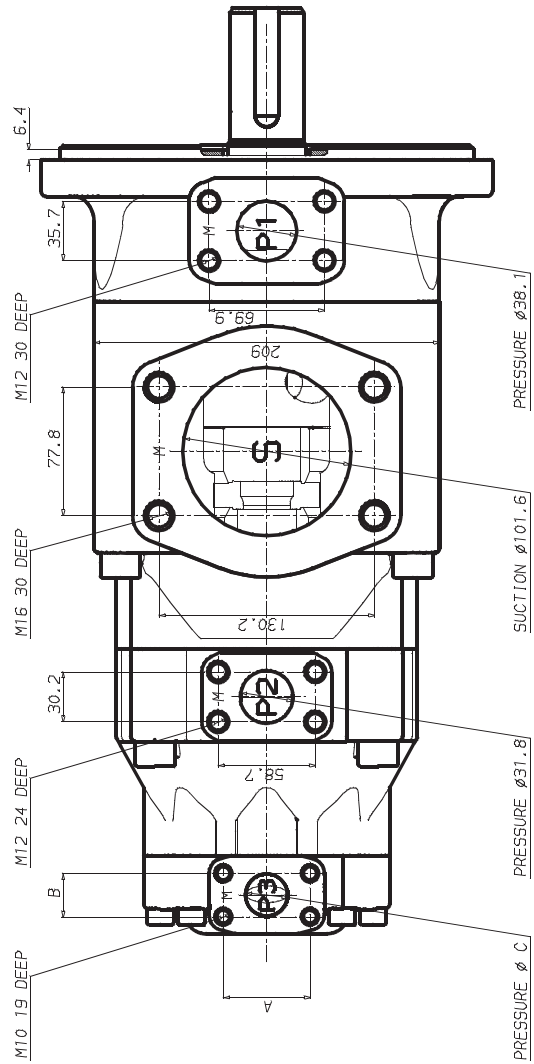
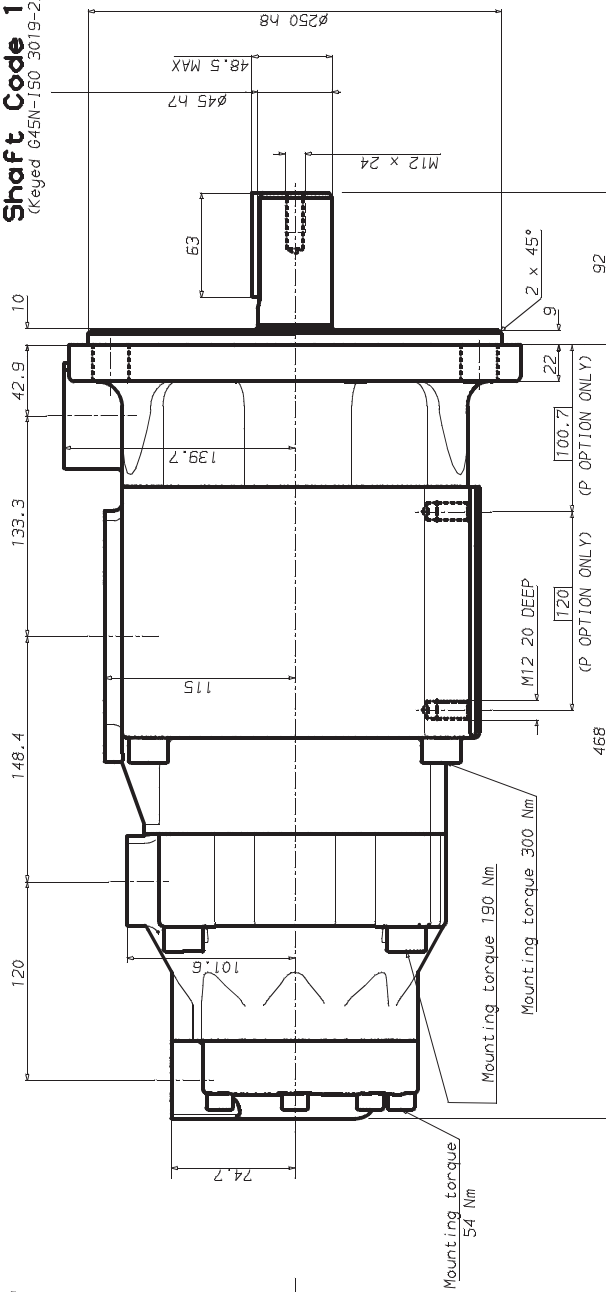


Total hydrodynamic power loss is the sum of each section at its operating conditions.

PERMISSIBLE RADIAL LOAD



Shaft Code 1
(Keyed 045N-150 3019-2)



Port	Code	Alternate port		
		A	B	C
P3	0	52,4	26,2	25,4
P3	1	47,6	22,2	19,0