

VT7ED or VT7EDS - 042 - B22 - 1 R 00 - A 1 01 *

Series

VT7ED series-125-A2 HW
ISO 2 bolts 3019-2 mounting flange

VT7EDS series- SAE C 2 bolts
Mounting flange J744c

Cam ring for "P1"

Volumetric displacement cm³/rev (in³/rev)

042 = 132.2 (8.07)	057 = 183.2 (11.18)
045 = 142.5 (8.70)	062 = 196.6 (12.0)
050 = 158.5 (9.67)	066 = 213.0 (13.0)
052 = 163.8 (10.0)	072 = 227.1 (13.86)
054 = 170.9 (10.43)	085 = 268.7 (16.40)

Cam ring for "P2"

Volumetric displacement cm³/rev (in³/rev)

B14 = 43.9 (2.68)	B31 = 99.1 (6.05)
B17 = 55.0 (3.36)	B35 = 113.4 (6.92)
B20 = 66.0 (4.03)	B38 = 120.6 (7.36)
B22 = 70.3 (4.29)	B42 = 137.5 (8.39)
B24 = 81.1 (4.95)	045 = 145.7 (8.89)
B28 = 89.9 (5.49)	050 = 157.9 (9.64)

Modifications

Mounting W/connection variables
4 bolts SAE flange J518

P1= 1-1/2" P2= 1-1/4" S=4"		
	VT7EDS	VT7ED-VT7EDS
Type	UNC	METRIC
code	01	M1

Seal class

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

Design letter

Porting combination (see page BM-1-5)
00 - standard

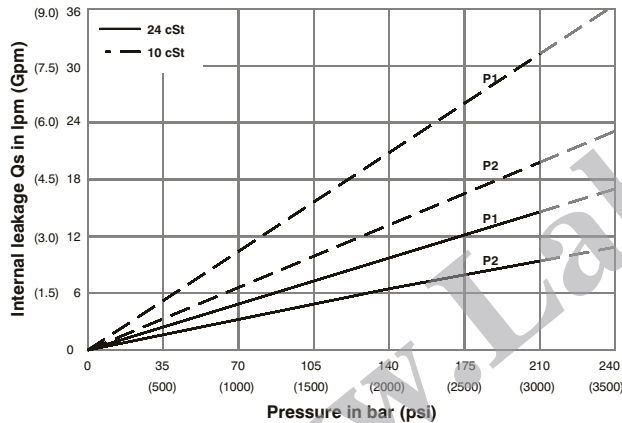
Direction of rotation (view on shaft end)

- R - clockwise
- L - counter-clockwise

Type of shaft VT7EDS

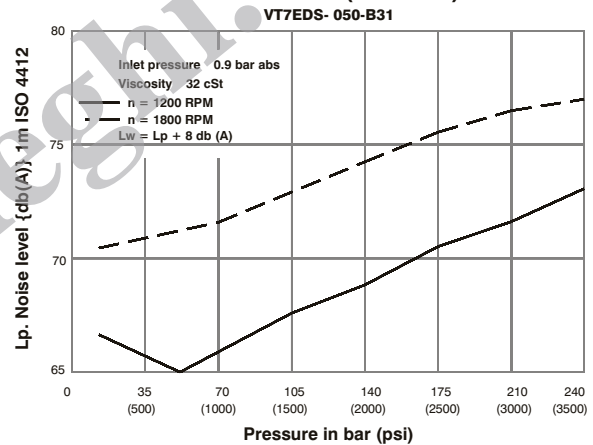
- Type of shaft VT7ED- VT7EDS**
- | | |
|----------------------------|----------------------|
| 1 - keyed (SAE CC) | 3 - splined (SAE C) |
| 2 - keyed (no SAE) | 4 - splined (SAE CC) |
| 5 - keyed (ISO/R775 -G38M) | |

INTERNAL LEAKAGE (TYPICAL)



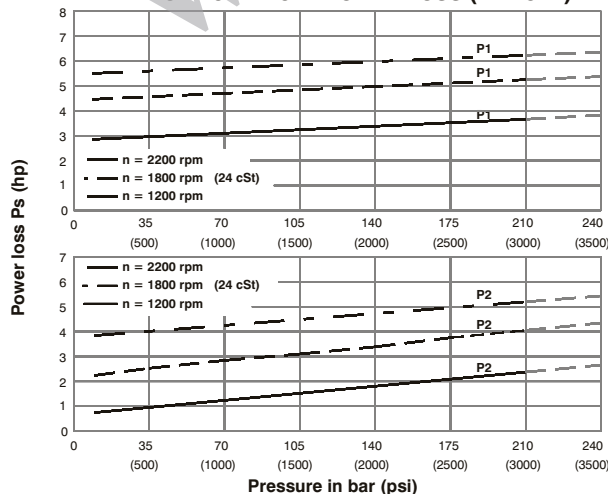
Do not operate pump more than 5 seconds at any speed or viscosity if internal leakage is more than 50% of theoretical flow. Total leakage is the sum of each section loss at its operating conditions.

NOISE LEVEL (TYPICAL)



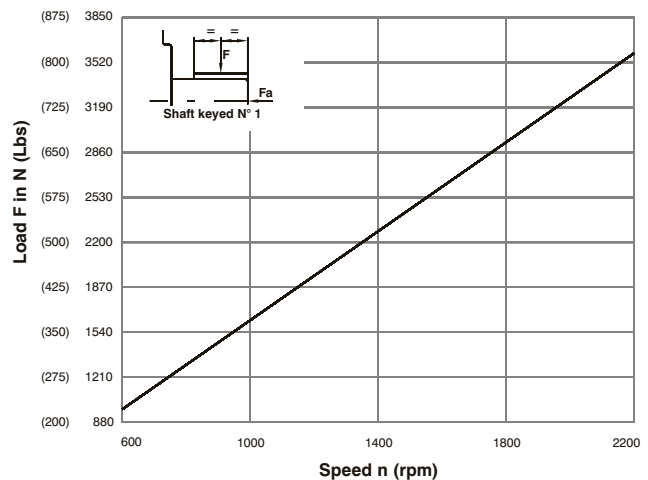
Double pump noise level is given with each section discharging at the pressure noted on the curve.

HYDROMECHANICAL POWER LOSS (TYPICAL)



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

PERMISSIBLE RADIAL LOAD



Maximum permissible axial load $F_a = 2000$ N (449 Lbs)

