

VHY4D - 088 - T N 02 - B 5 M4 *

Series external drain _____

Torque _____

Type of shaft _____

Rotation _____

*N - Bi-directional

Modifications

Port connections

02 = SAE 4 bolt flange
UNC threaded - SAE drain

04 = SAE 4 bolt flange
UNC threaded - BSPP drain

M4 = SAE 4 bolt flange
metric threaded - BSPP drain

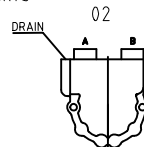
Seal class

5 - S5

Design letter

Porting combination

SIDE PORTS

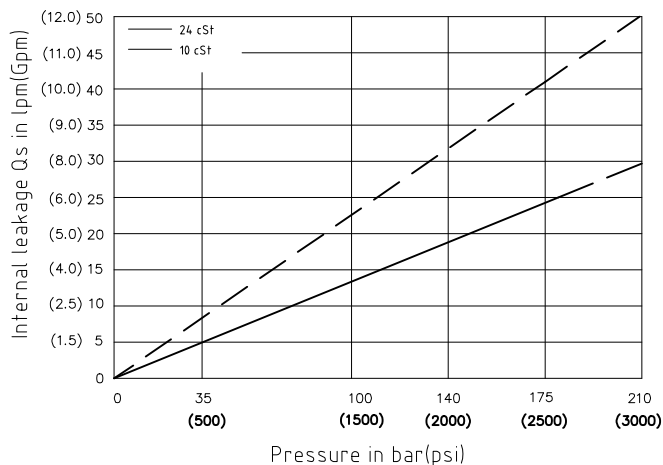


View from shaft end:

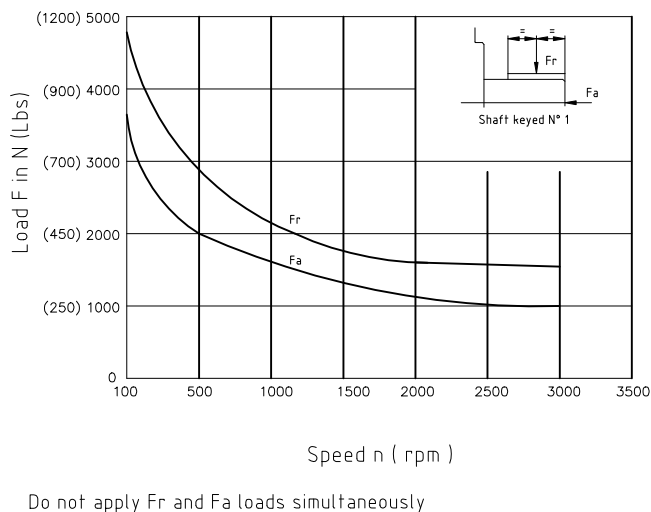
CW rotation A = outlet
B = inlet

CCW rotation A = inlet
B = outlet

INTERNAL LEAKAGE

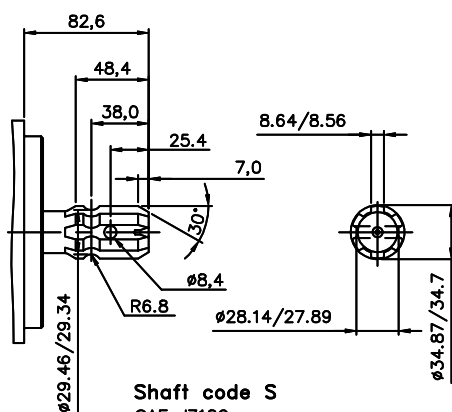
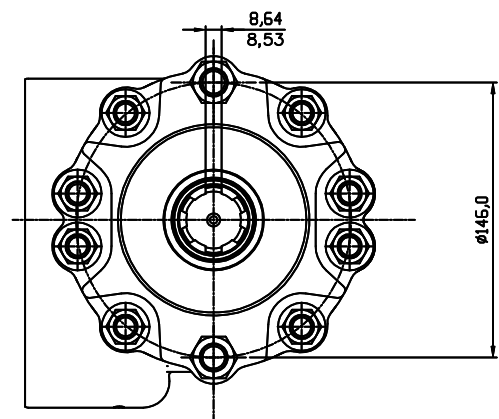
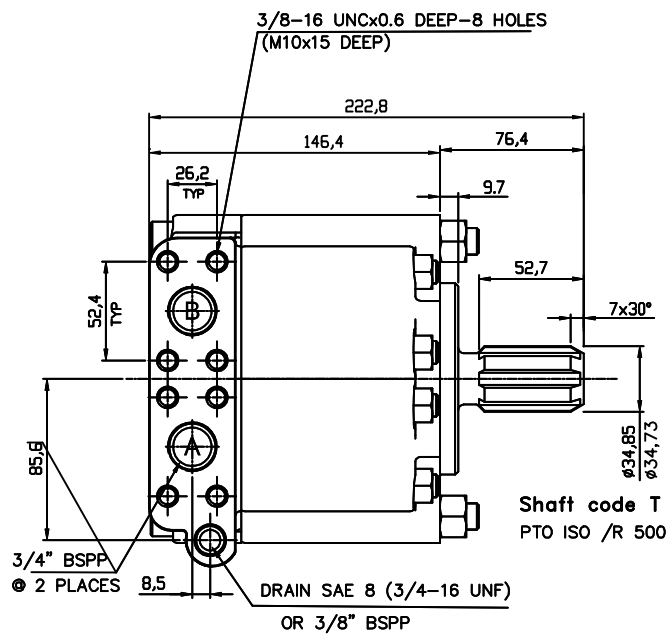
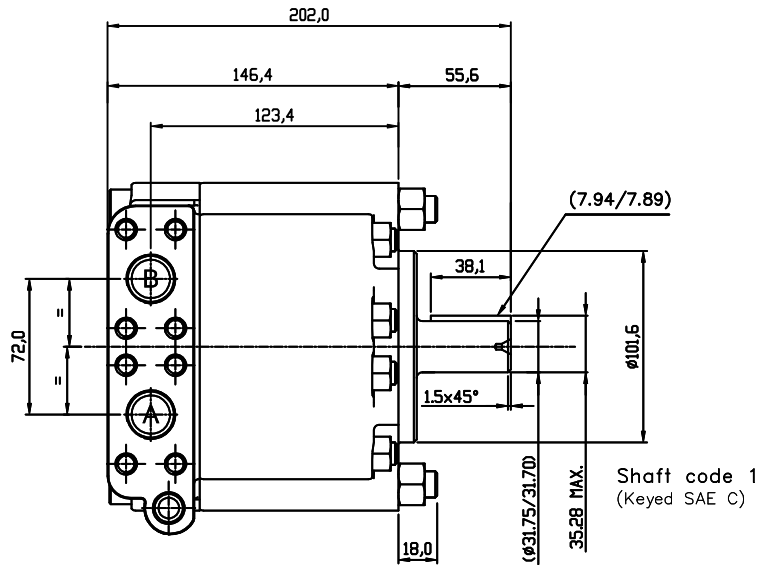
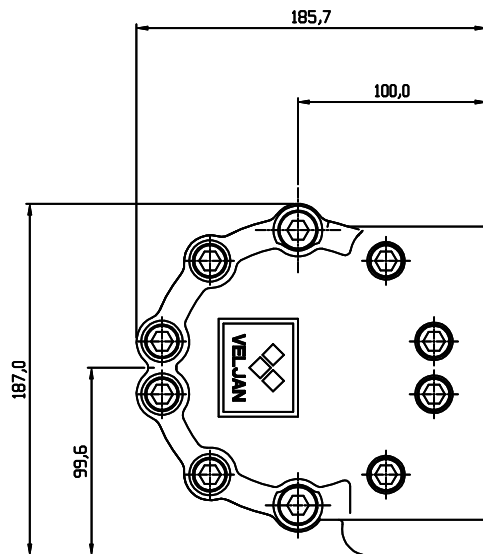


PERMISSIBLE RADIAL AND AXIAL LOADS

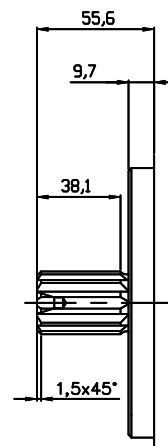


OPERATING CHARACTERISTICS - TYPICAL (24 cSt)

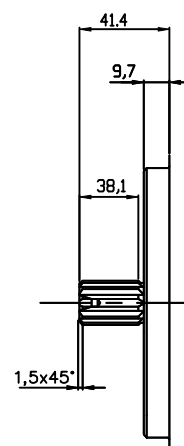
Model	Series	Volumetric Displacement V_i		Input flow at $n = 2000$ rpm				Torque T at $n = 2000$ rpm		Power output at $n = 2000$ rpm	
				Theoretical		at 175 bar (2500 psi) Δp		at 175 bar (2500 psi) Δp		at 175 bar (2500 psi) Δp	
		in ³ /rev	cm ³ /rev	GPM	l/min	GPM	l/min	in.lbf	Nm	HP	KW
VHY4D	062	3.97	65.1	33.8	130.0	40.0	154.0	1460.0	165.0	46.4	34.6
	074	4.69	76.8	41.5	154.0	47.8	178.0	1770.0	200.0	56.2	41.9
	088	5.56	91.1	48.0	182.0	54.4	206.0	2088.5	236.0	66.2	49.4
	102	6.44	105.5	55.5	211.0	61.8	241.0	2336.3	264.0	74.1	55.3
	113	7.12	116.7	61.5	233.0	67.9	257.0	2655.0	300.0	84.2	62.8
	128	8.08	132.4	70.0	265.0	76.3	289.0	3009.0	340.0	95.5	71.2
	138	8.81	144.4	76.3	289.0	82.7	313.0	3292.0	372.0	104.5	77.9



Shaft code S
SAE J718C
540 rpm power take-off
For Farm Tractor application



Shaft code 4
SAE C splined shaft
Class 1-J498b
12/24 dp. 14 teeth
30° pressure angle
Flat root side fit



Shaft code 3
SAE B splined shaft
Class 1-J498b
16/32 dp. 13 teeth
30° pressure angle
Flat root side fit