

VM4*C - 1 - 067 - 1 N 00 - A 1 02 *

Series

*S = Severe duty motor
Internal Drain
(Omit for External Drain)

Torque

024 = 0.39 Nm/bar
027 = 0.45 Nm/bar
031 = 0.55 Nm/bar
043 = 0.74 Nm/bar
055 = 0.93 Nm/bar
067 = 1.13 Nm/bar
075 = 1.27 Nm/bar

Type of shaft

1 - keyed (SAE B)
2 - keyed (no SAE)
3 - splined (SAE B)

Rotation

N - Bi-directional

Modifications

Port connections

01 = SAE threaded port
SAE drain
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

1 - S1 (VM4C)
5 - S5 (VM4SC)

Design letter

Porting combination

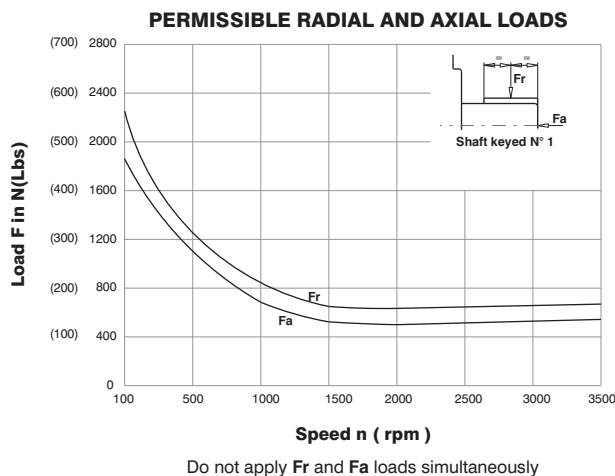
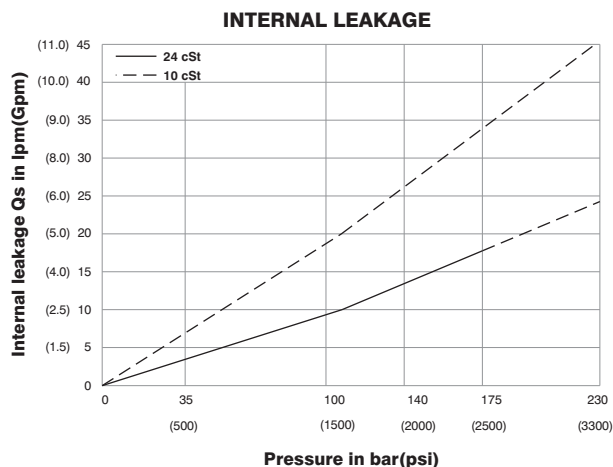
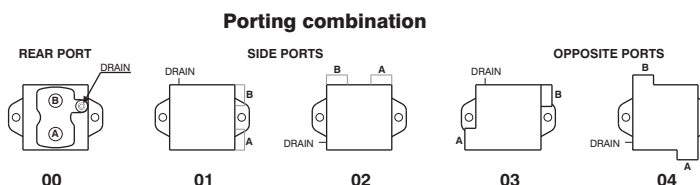
00 - standard

VM

VM4C1-VM4SC1 : Drain port is plugged

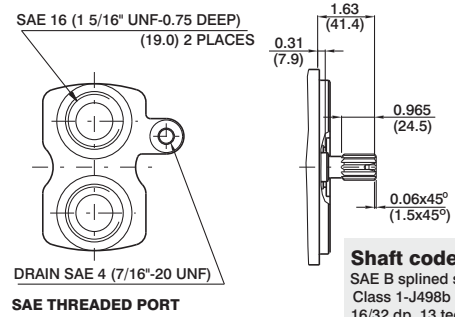
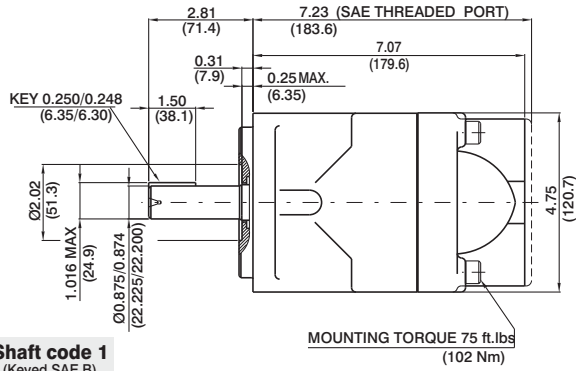
View from shaft end:

CW rotation A = inlet B = outlet
CCW rotation A = outlet B = inlet



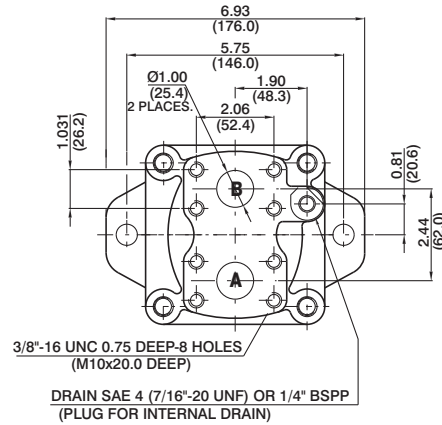
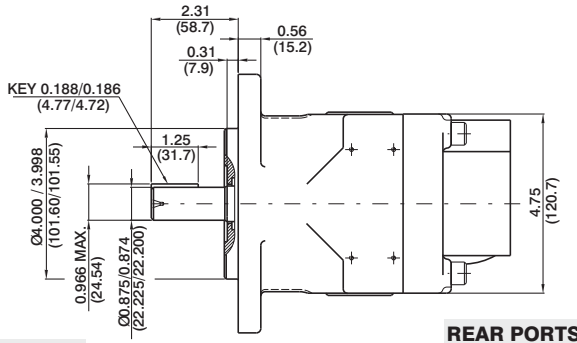
OPERATING CHARACTERISTICS - TYPICAL (24 cSt)

Model	Series	Volumetric Displacement V_i		Input flow at $n = 2000$ rpm				Torque T at $n = 2000$ rpm		Power output at $n = 2000$ rpm	
		in ³ /rev	cm ³ /rev	Theoretical		at 175 bar (2500 psi) Δp		at 175 bar (2500 psi) Δp		at 175 bar (2500 psi) Δp	
				GPM	l/min	GPM	l/min	lbf.in	Nm	HP	KW
VM4C-VM4SC	024	1.49	24.4	13.0	49.0	17.7	67.0	535.4	60.5	17.0	12.7
	027	1.72	28.2	14.8	56.0	19.5	74.0	619.5	70.0	19.7	14.7
	031	2.11	34.5	18.5	69.0	23.2	87.0	768.0	86.8	24.0	18.0
	043	2.84	46.5	24.6	93.0	29.3	111.0	1062.0	120.0	33.6	25.1
	055	3.59	58.8	31.2	118.0	36.0	136.0	1318.6	149.0	41.8	31.2
	067	4.34	71.1	37.5	142.0	42.3	160.0	1504.5	170.0	47.7	35.6
	075	4.89	80.1	42.3	160.0	47.0	178.0	1752.2	198.0	55.6	41.5



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

Shaft code 1
(Keyed SAE B)



Shaft code 2
(Keyed no SAE)

