

Hydraulic Motors M3B - M4*

Denison Vane Technology, fixed displacement



ENGINEERING YOUR SUCCESS.

Model No. M4C1
M4C - 067 - 1 N 00 - A 1 02 -

Series external drain _____
Series internal 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 (non SAE)
 3 = splined (SAE B)

Rotation _____
 N = bi-directional
 * = S = Severe duty motor.

Modification _____
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 - BUNA N (M4C)
 5 = S5 - VITON® (M4SC)

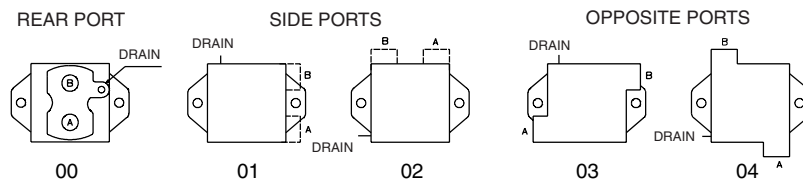
Design letter _____
Porting combination
 00 = standard

M4C1 - M4SC1 : Drain port is plugged.

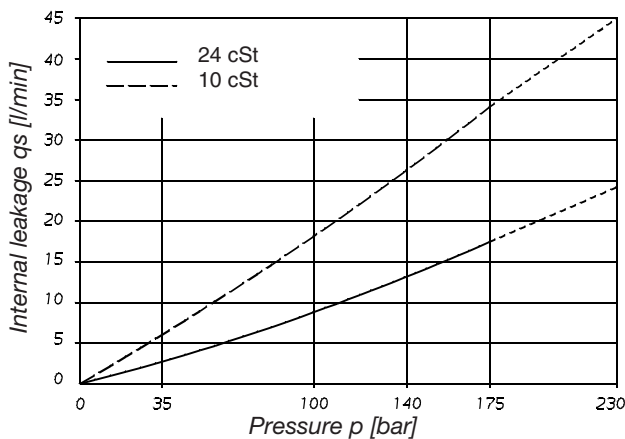
Porting combination

View from shaft end :

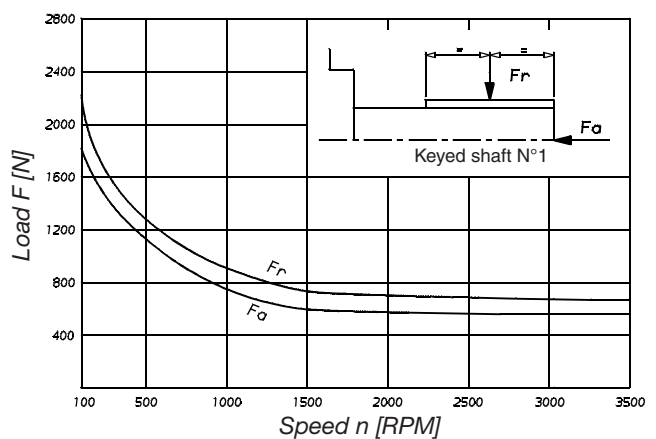
CW rotation A = inlet
 B = outlet
 CCW rotation A = outlet
 B = inlet



INTERNAL LEAKAGE



PERMISSIBLE RADIAL AND AXIAL LOADS

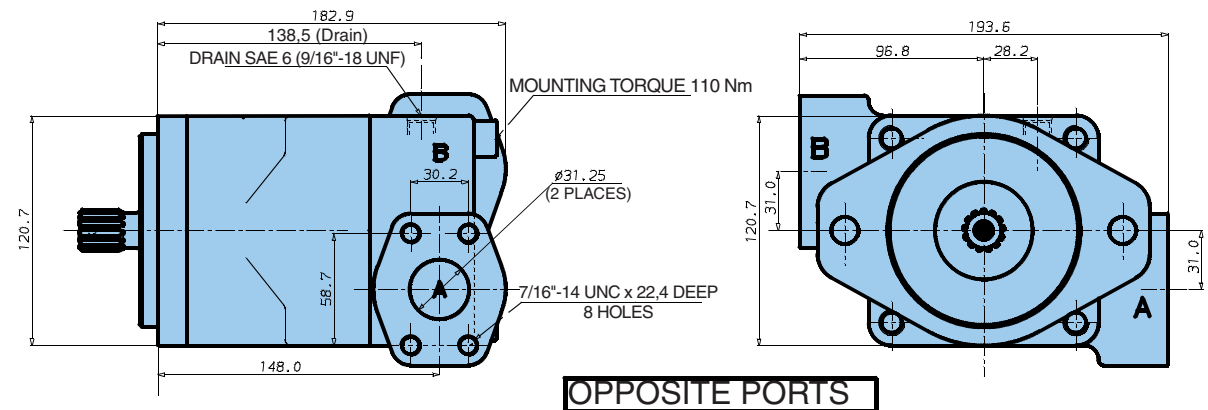
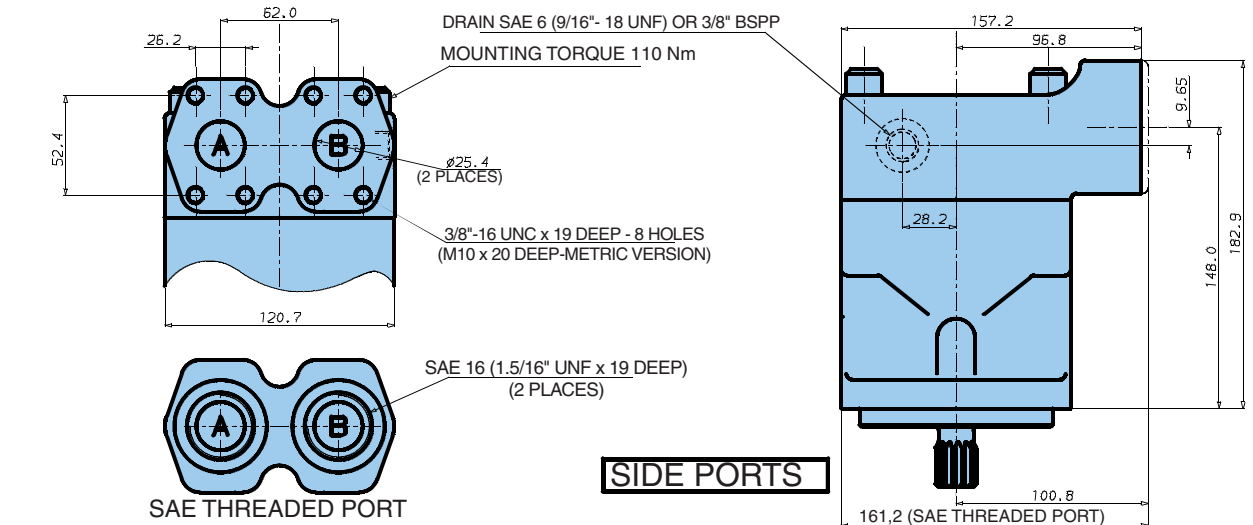
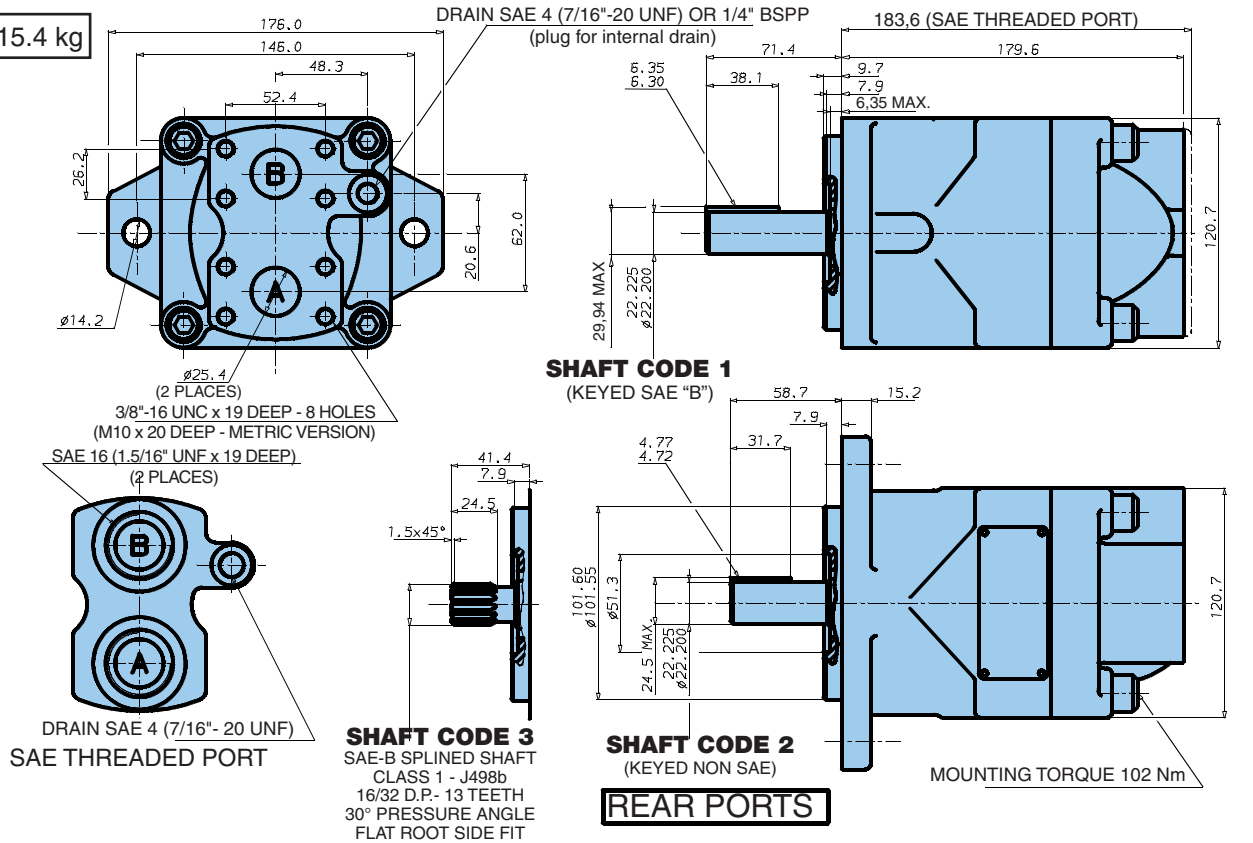


Do not apply Fr and Fa loads simultaneously

OPERATING CHARACTERISTICS - TYPICAL [24 cSt]

Model	Volumetric displacement V_i ml/rev.	Input flow at n = 2000 RPM		Torque T at n = 2000 RPM	Power output at n = 2000 RPM
		Theoretical l/min	at 175 bar Δp l/min	at 175 bar Δp	at 175 bar Δp
				Nm	kW
M4C - M4SC 024	24,4	49,0	67,0	60,5	12,7
M4C - M4SC 027	28,2	56,0	74,0	70,0	14,7
M4C - M4SC 031	34,5	69,0	87,0	86,8	10,8
M4C - M4SC 043	46,5	93,0	110,0	120,0	25,1
M4C - M4SC 055	58,8	118,0	136,0	149,0	31,2
M4C - M4SC 067	71,1	142,0	160,0	170,0	35,6
M4C - M4SC 075	80,1	160,0	178,0	198,0	41,5

Weight 15.4 kg



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