High Speed High Torque Vane Motor HM2 Series

Features and Handling

• HM2 spring loaded vane motors suitable for industrial and mobile applications. The wide range of speeds and pressure make them ideal for most motor applications.

• Motors are constructed with spring loaded vanes offering smooth operation over a wide speed range.

• Motors can be reversed or stalled underload without damage to the unit when proper relief protection is applied. A full size unrestricted drain line must be connected directly from case drain to reservoir return located below the lowest fluid level in the system.



Specification

Model	Torque Nm/6, 9 bar (lb in/ 100 psi)	Displacement cm^3/r (in^3/r)	Maximum speeds & Pressure	Approx Weight kg (lb)
HM2-210 & HM2-220	2.0 (25)	24.7 (1.51)	2200 r/min @ 138 bar (2000 psi)	9.4 (20.7)
	4.0 (35)	35.4 (2.16)	1800 r/min @ 121 bar (1750 psi)	

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Ordering Code

HM	2	-	2	1	0	-	25	1	C	-	13
1	2		3	4	5		6	7	8		9

1. Model : HM - Vane Type Motor
   SAE A 2 bolts mounting flange J744

2. Series (bi-directional rotation) : 2

3. Series frame size
   2 - Small

4. Porting Connection
   1 - 3/4" NPT both ports for return line installations.
   2 - 1 5/16" - 12 UN both ports

5. Mounting
   0 - 2-bolt flange

6. Ring size-Nominal torque Rating (lb.in./100psi)
   25
   35

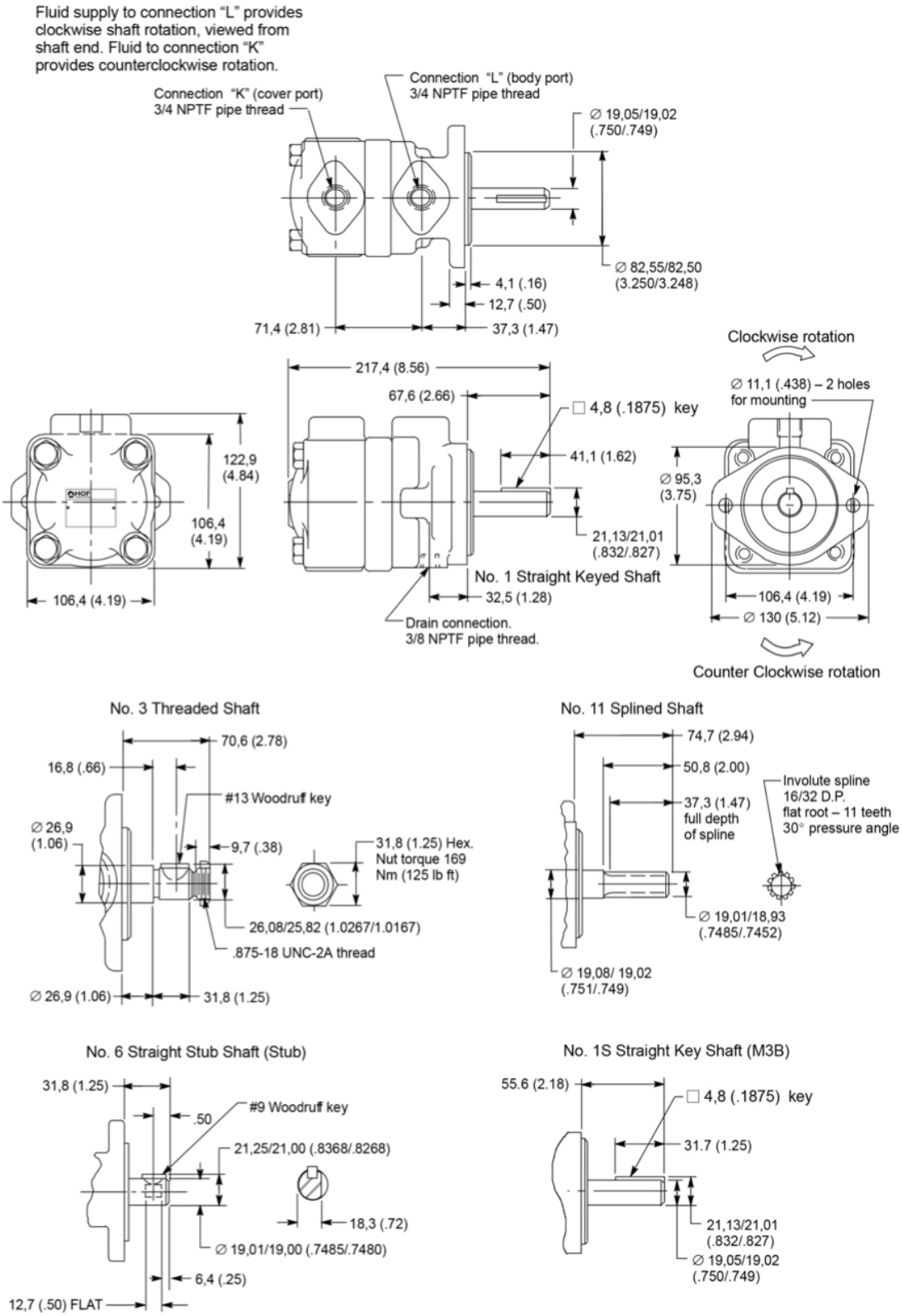
7. Type of Shaft
   1 - Straight Keyed Shaft
   3 - Threaded with woodruff Keyed Shaft
   6 - Woodruff Keyed Shaft (stub)
   11 - Splined Shaft
   1S - Straight keyed shaft (M3B)

8. Cover Port positions (View from cover end)
   A - Opposite body port
   B - 90° CCW body port
   C - Inline with body port
   D - 90° CW from body port

9. Design
   Subject to change. Installation dimensions
   remain the same for designs - 10 through -19

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Installation Dimension mm (inch)

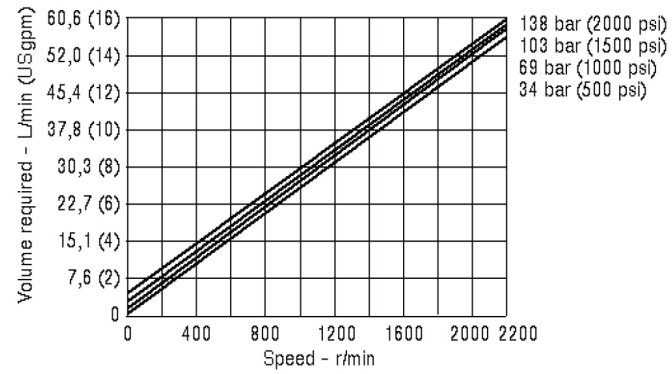


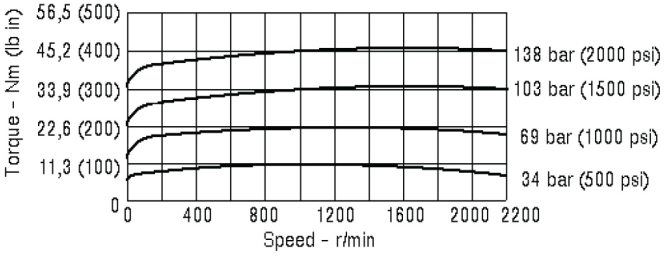
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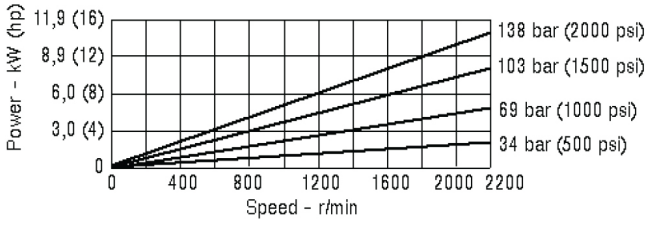
Performance Characteristics

Based on temperature 49 C (120 F), viscosity 32 cSt (150 SUS)

25 LB. IN. RING SIZE







35 LB. IN. RING SIZE

