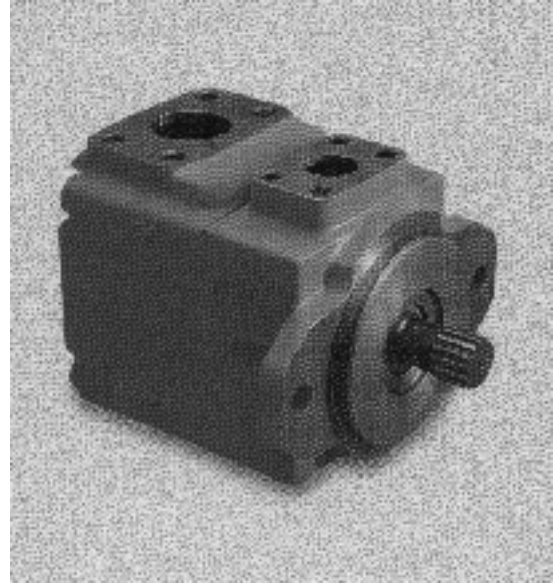


# VM4C FIXED VANE MOTOR



- High speeds to 4000 rpm
- High pressures to 230 bar
- High overall efficiency gives excellent starting torque characteristics when starting under full load.
- Hydraulic balance significantly reduces wear and heat producing friction.
- Cartridge technology allows ease of maintenance and changing motor speed and torque characteristics.



### TECHNICAL DATA

Cam ring in Lbs at 100 psi	Displacement		Max Pressure		Max Speed	Torque		Power at 100 rpm kW/bar
	Cu/ins/rev	cc/rev	psi	bar		in lbs/psi	Nm/bar	
024	1.49	24.4	3400	230	4000	0.24	0.39	0.0040
031	2.11	34.5	3400	230	4000	0.34	0.55	0.0058
043	2.84	46.5	3400	230	4000	0.45	0.74	0.0078
055	3.59	58.8	3000	210	4000	0.57	0.93	0.0098
067	4.34	71.1	3000	210	4000	0.69	1.13	0.0120
075	4.89	80.1	2500	175	4000	0.78	1.27	0.0130

### MOTOR ORDERING CODE

VM4C	*	1	055	1	N	00	B	1	01
MOTOR SERIES									
SEVERE DUTY (S) OMIT FOR NORMAL DUTY									
INT DRAIN OMIT FOR EXT									
TORQUE RATING REFER TABLE ABOVE									
SHAFT (1) KEYED SAE B (2) KEYED NONE SAE (3) SPLINE SAE B									
SHAFT ROTATION (N) BI-DIRECTIONAL									
PORT POSITIONS SEE BELOW									
DESIGN LETTER									
SEAL CLASS (1) - S1 SEAL CLASS (5) - S5									

00 = SAE THREADED PORT SAE DRAIN 01 = SAE 4 BOLT FLG BSPP DRAIN 02 = BSPP THREADED PORTS

# VM4C VANE MOTOR



VM4C1 and M4CS1....drain port is plugged

## Porting combination

View from shaft end:

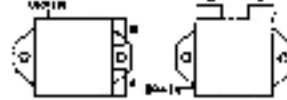
- CW rotation A = inlet  
H = outlet
- CCW rotation A = outlet  
H = inlet

REAR PORT



00

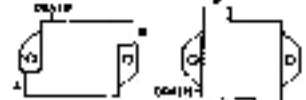
SLIDE PORTS



01

02

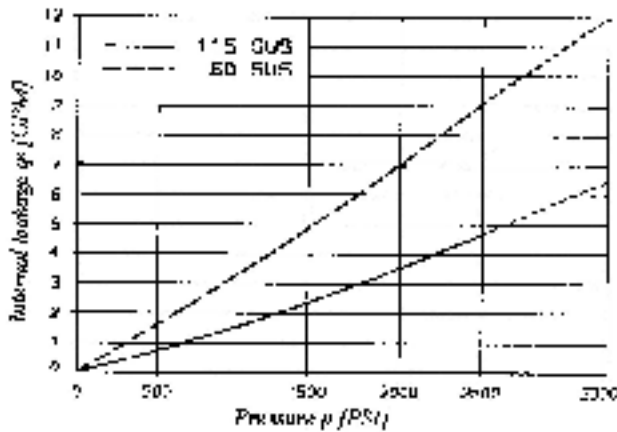
OPPOSITE PORTS



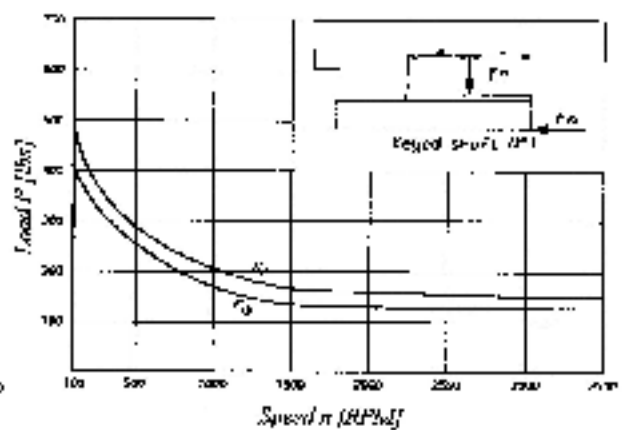
03

04

## INTERNAL LEAKAGE



## PERMISSIBLE RADIAL AND AXIAL LOADS



Do not apply Pr and Pa loads simultaneously

## DIMENSIONAL DATA

