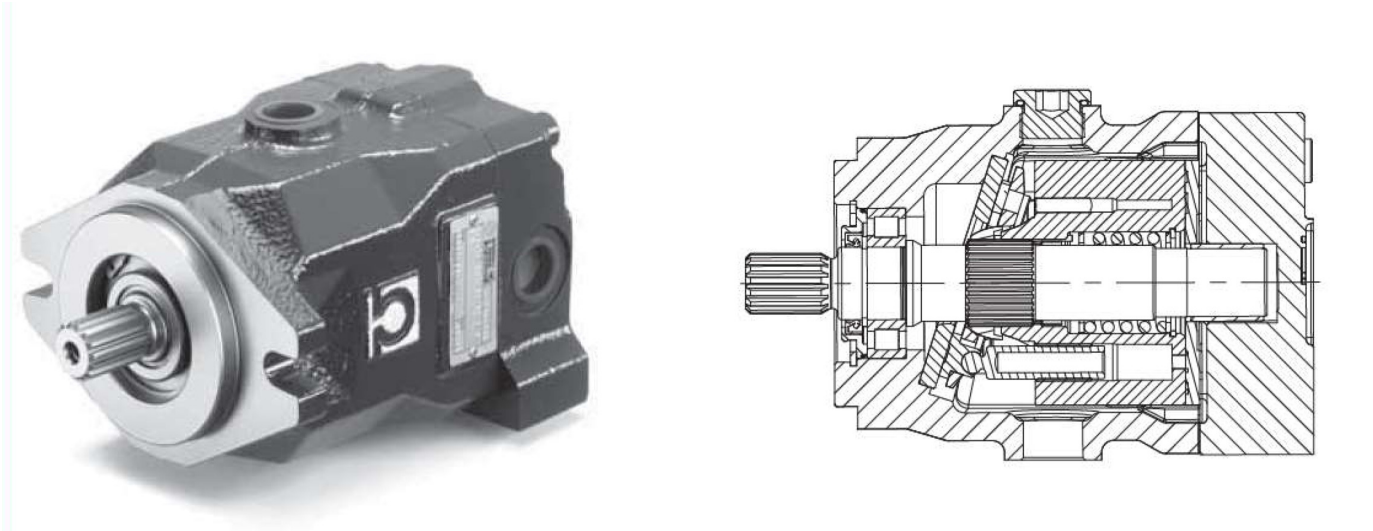


M4MF Series



Axial Piston Motors Fixed Displacement



The M4 MF series axial piston motors have been designed to work both in an open and in a closed circuit. Control systems now available are making it easy to use these motors in any application for industrial and mobile fields. Development of rotating groups, specifically designed, united to an accurate study of oil passage sections, allow high speed rotation, giving extreme reliability for working continuous pressure unit 250 bar and until 350 bar for peak pressure. Motors can be supplied on request with complete accessories such as cross relief valves and built-in relief valves.

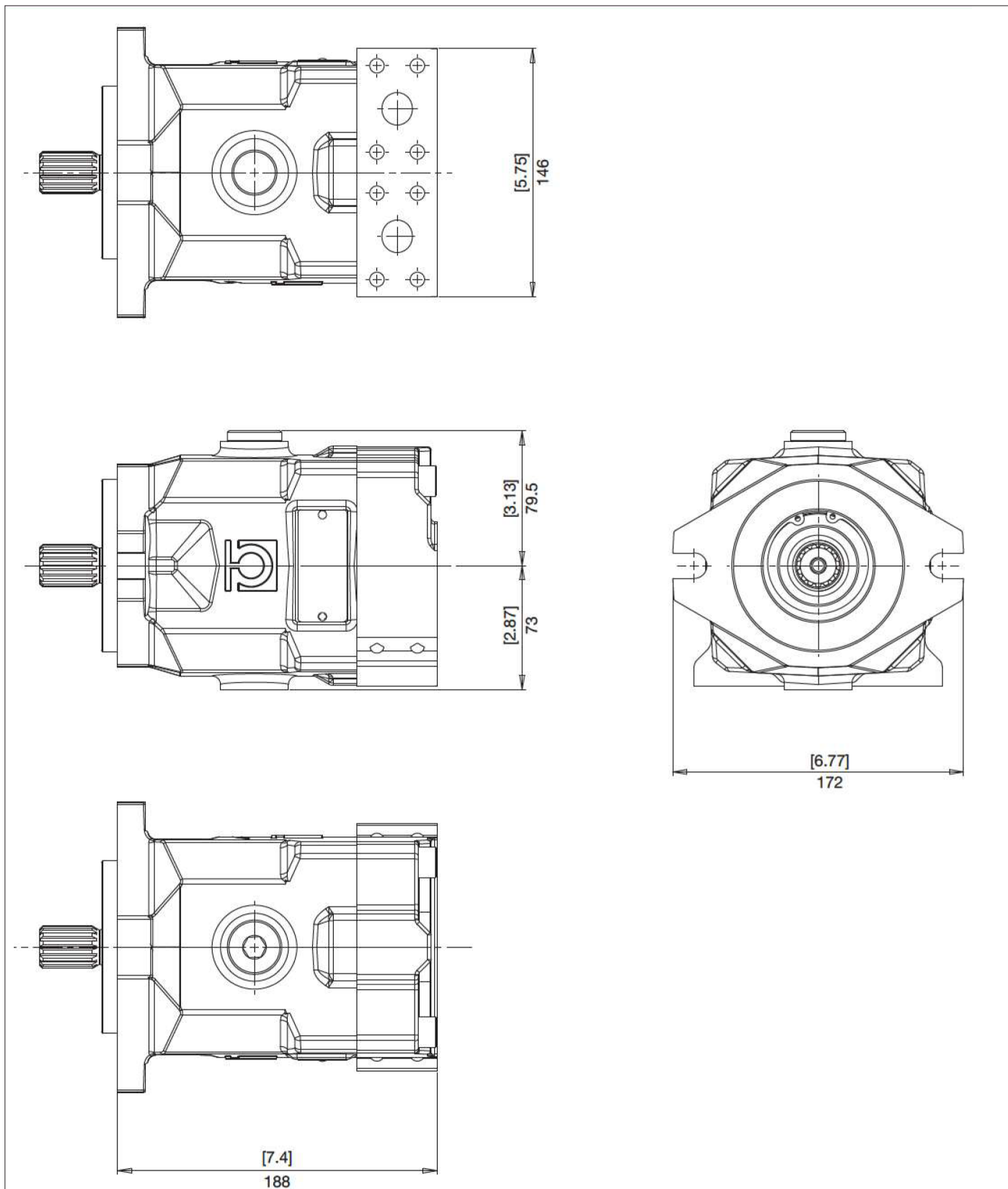
GROUP	NOMINAL DISPLACEMENT		SWASHPLATE	CONTINUOUS		INTERMITTENT		PEAK		SPEED		WEIGHT	
										MAX	MIN		
	cm ³	in ³		°	bar	psi	bar	psi	bar	psi	min ⁻¹	min ⁻¹	kg
M4MF	34	2.08	18	250	3625	330	4785	400	5800	3600	500	13	28.60
	46	2.81	19	250	3625	330	4785	400	5800	3600	500	13	28.60
	50	3.05	18	250	3625	330	4785	400	5800	3600	500	14	30.80
	58	3.54	18	250	3625	330	4785	400	5800	3600	500	14	30.80
	65	3.97	18	250	3625	300	4350	350	5075	3600	500	14	30.80

M4MF Series

Axial Piston Motors Fixed Displacement



DIMENSIONAL DETAILS

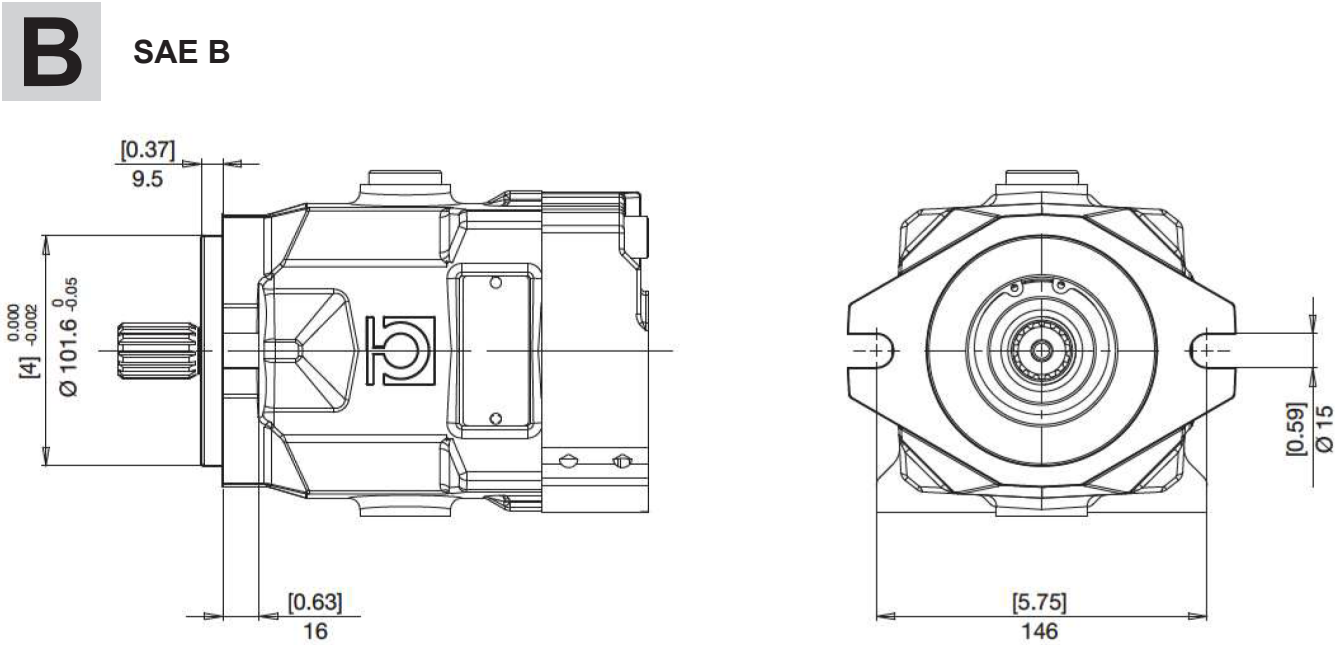


M4MF Series

Axial Piston Motors Fixed Displacement



FLANGES



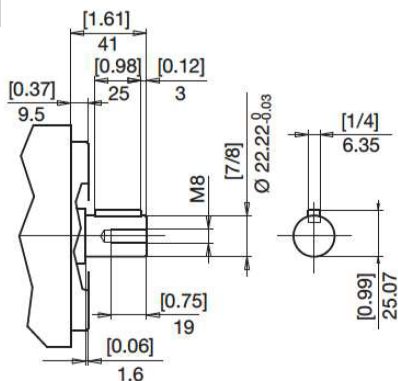
M4MF Series

Axial Piston Motors Fixed Displacement



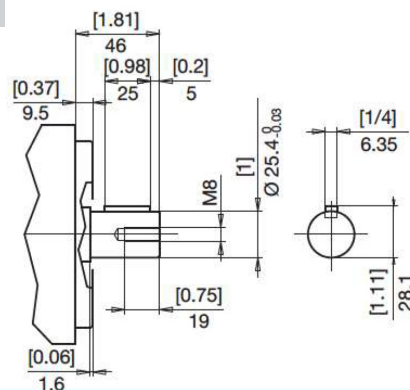
SPLINE SHAFTS

1



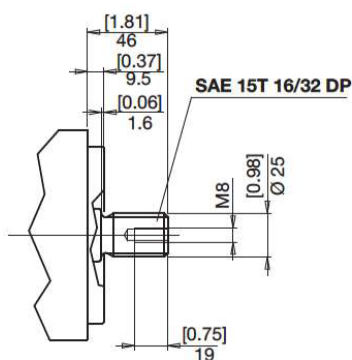
Max Torque 210 Nm

2



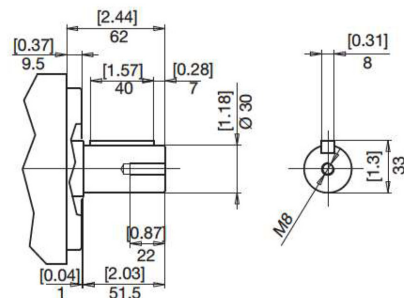
Max Torque 250 Nm

3



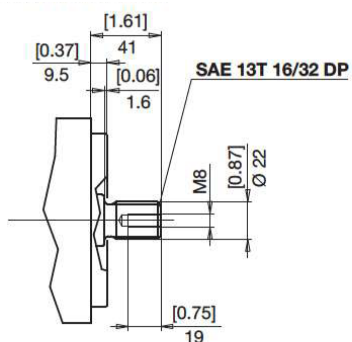
Max Torque 460 Nm

4



Max Torque 300 Nm

6



Max Torque 310 Nm

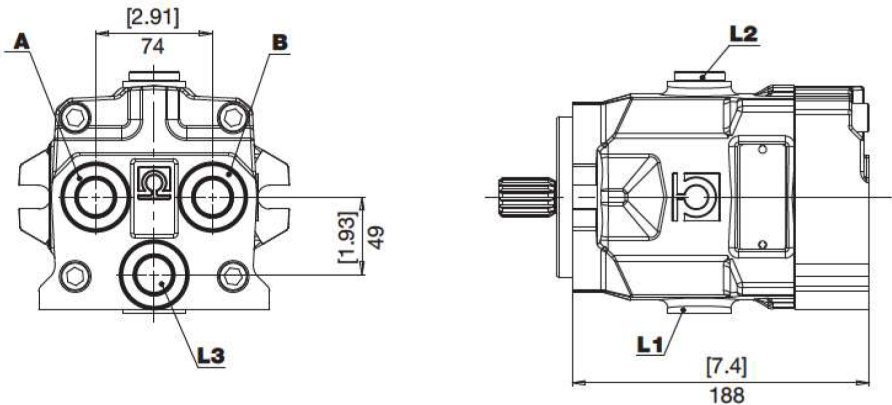
M4MF Series

Axial Piston Motors Fixed Displacement

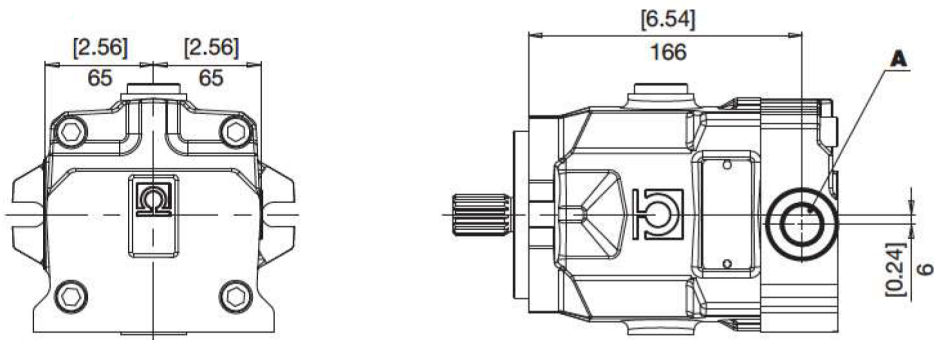


POSITION OF PORTS

1 Rear Optional Rear Drain

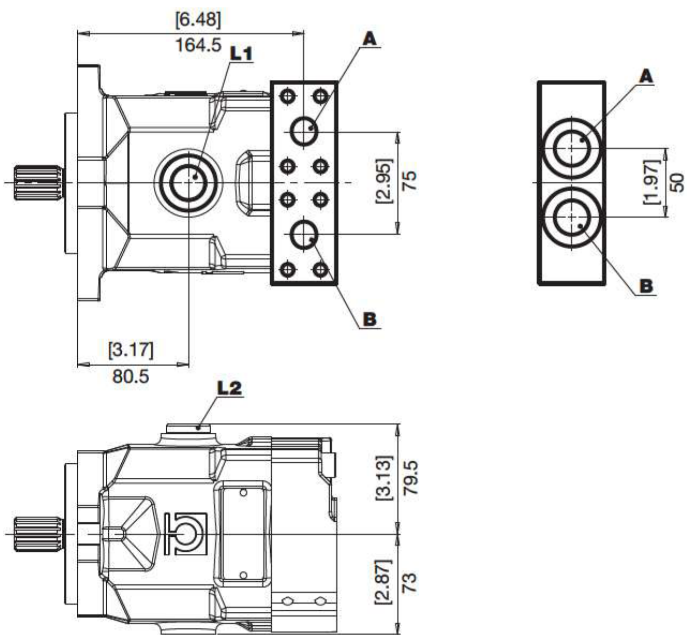


2 Opposite Sideways



3 Coupled Sideways

DIRECTION	INPUT
RIGHT	A
LEFT	B

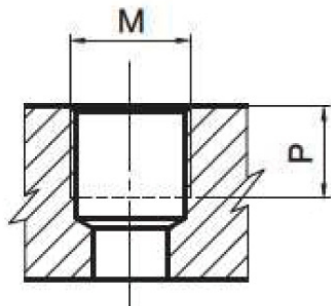


M4MF Series

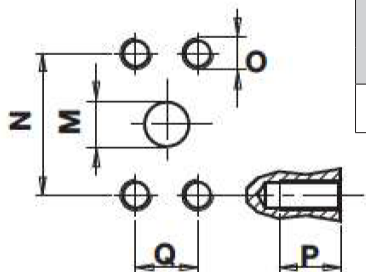
Axial Piston Motors Fixed Displacement



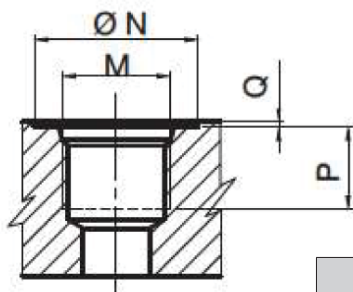
PORTS



TYPE	M		P	
		Nm	mm	in
G6	3/4" GAS BSPP	90	19	0.75



TYPE	M		N		P		Q		O	
	mm	in	mm	in	mm	in	mm	in		Nm
N6	19	0.75	50.8	2	20	0.79	23.80	0.94	M10	38



TYPE	SIZE	N		P		Q		M	
		mm	in	mm	in	mm	in		Nm
U6	3/4"	41	1.81	19	0.75	0.3	0.01	1-1/16-12 UNF	90

TYPE	A - B INLET / OUTLET	L1 - L2 - L3 DRAIN
R	G6	G6
U	U6	U6
N	N6	G6
M	N6	U6

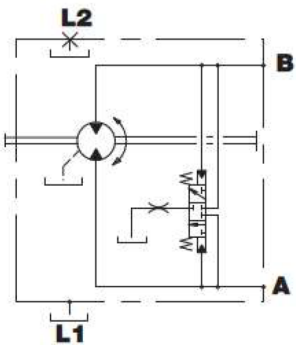
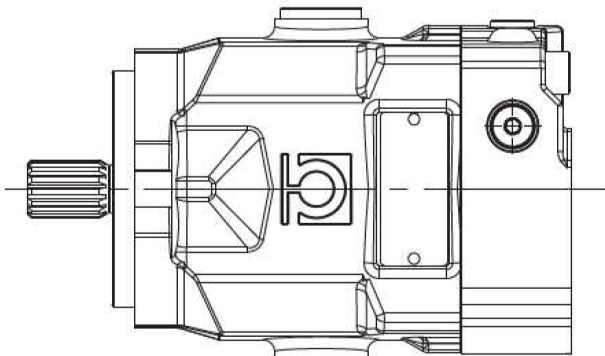
M4MF Series

Axial Piston Motors Fixed Displacement

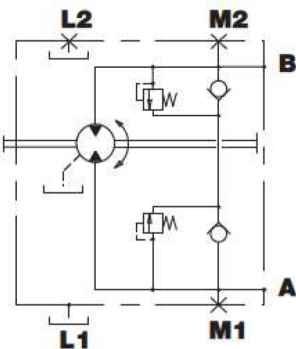
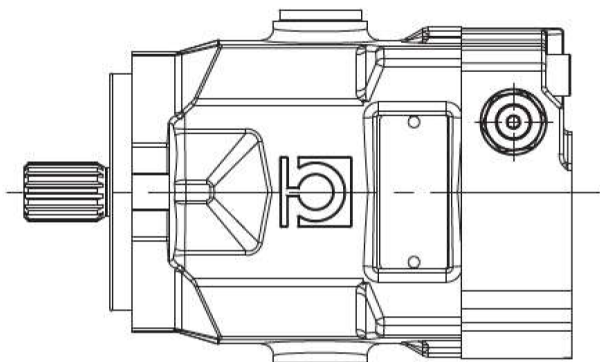


ACCESSORIES

V Flushing and Boost Valve (5 - 7 l/min)



M Pressure Limiter and Anticavitation Valve



M4MF Series

Axial Piston Motors Fixed Displacement



HOW TO ORDER

MODEL CODE

1	2	3	4	5	6	7	8	9

1 - SERIES

M4 MF	Axial piston motors, fixed displacement
--------------	---

2 - DISPLACEMENT

34	Displacement 34 cm ³ / rev (2.08 in ³ / rev)
46	Displacement 46 cm ³ / rev (2.81 in ³ / rev)
50	Displacement 50 cm ³ / rev (3.05 in ³ / rev)
58	Displacement 58 cm ³ / rev (3.54 in ³ / rev)
65	Displacement 65 cm ³ / rev (3.97 in ³ / rev)

3 - POSITION OF PORT

1	Users A - B Rear
2	Users A - B Opposite sideways
3	Users A - B Coupled sideways

4 - DIRECTION OF ROTATION

B	Bi-Directional
----------	----------------

5 - SHAFT PROFILE

1	Round Shaft Ø 22.22 (7/8")
2	Round Shaft Ø 25.4 (1")
3	Male Splined Shaft Z15 16/32" d.p. (Std)
4	Round Shaft Ø 30
6	Male Splined Shaft Z13 16/32" d.p.

6 - PORTS

-	Refer to chart
----------	----------------

7 - ACCESSORIES

0	No Accessories
M	Pressure Limiter and Anticavitation Valve
P	Rear Drainage
V	Flushing and Boost Valve

M4MF Series

Axial Piston Motors Fixed Displacement



HOW TO ORDER cont.

8 - VALVE SETTING

0	No Valve
B	150 Bar
D	180 Bar
E	210 Bar
G	250 Bar
I	280 Bar
L	300 Bar
O	350 Bar
P	400 Bar

9 - SPECIAL VERSIONS