

# HYDRAULIC MOTORS

**MAM SERIES - (GEROTOR)**  
SHAFT Ø16mm  
WITHOUT FLANGE



ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAM008	8.2	140	1950	16	1.1
MAM012	12.9		1550		20
MAM020	19.9		1000	2.5	
MAM032	31.6		630	4.1	
MAM040	39.8		500	4.2	
MAM050	50.3		400	4.6	

FITTED WITH BUILT IN CHECK VALVES.

**MAP SERIES - (GEROTOR)**  
SHAFT Ø25mm  
SAE 'A' 2 BOLT TYPE FLANGE



ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAP050	52.9	140	800	60	8.9
MAP080	79.3		770		15
MAP100	98.2		615		19.1
MAP125	120.9		480		23.5
MAP160	158.7		385		30.7
MAP200	196.4		310		36.5
MAP250	241.8	110	250	37.8	
MAP315	317.3	90	195	37.8	
MAP400	392.9	70	155	37.8	

**MAR SERIES - (GEROLER)**  
SHAFT Ø25mm  
SAE 'A' 2 BOLT TYPE FLANGE



ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAR050	51.7	140	775	60	9.3
MAR080	80.5		750		15.2
MAR100	100.5		600		19.4
MAR125	126.3		475		23.7
MAR160	160.8		375		31
MAR200	200.9		300		36.9
MAR250	252.6	110	240	38	
MAR315	321.5	90	190	38	
MAR400	403.9	70	160	38	

FITTED WITH BUILT IN CHECK VALVES.

**MAS SERIES**  
SHAFT Ø32mm  
SAE 'A' 4 BOLT TYPE FLANGE



ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAS080	80.5	175	810	65	19.4
MAS100	100.5		750		24.2
MAS125	126.3		600		30.3
MAS160	160.8	160	470	75	35.8
MAS200	200.9		375		43.8
MAS250	252.6	125	300		44
MAS315	321.5		240		55.1
MAS400	401.9	100	180	56	

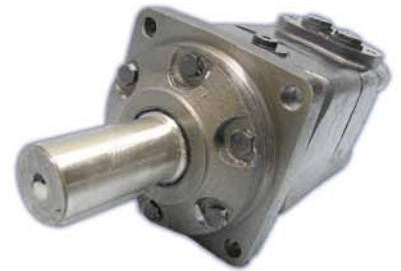
'MAS' TYPE MOTORS CAN SUSTAIN HIGHER RADIAL AND AXIAL LOADS.

# HYDRAULIC MOTORS

ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAT160	158.8	200	625	100	45
MAT200	200.8		625		56.1
MAT250	252.2		500		71
MAT315	317.5		380		90.2
MAT400	401.6	180	305	125	100.8
MAT500	535.3	160	240		112.1

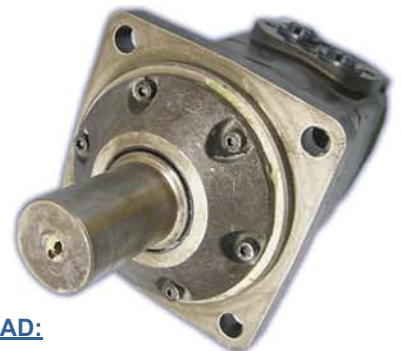
INDUSTRY STANDARD MOUNTING FLANGES AND OUTPUT SHAFTS ALLOWING EASY APPLICATION.

**MAT SERIES**  
SHAFT Ø40mm  
SAE 'C' 4 BOLT TYPE FLANGE



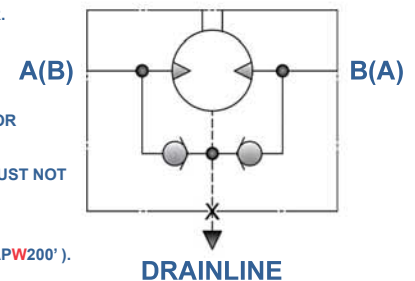
ORDER CODE	DISPLACEMENT (c.c / rev)	CONTINUAL PRESSURE (bar)	MAXIMUM SPEED (rpm)	MAXIMUM OIL FLOW (ltr / min)	MAXIMUM TORQUE (da nm)
MAV315	314.9	200	630	200	87.3
MAV400	399.7		500		110.8
MAV500	496.6		400		138.5
MAV630	617.8	180	315	200	157
MAV800	787.4	160	250		177.3

**MAV SERIES**  
SHAFT Ø50mm  
SQUARE 4 BOLT TYPE FLANGE



## FOR MOTORS TYPE MAM, MAP, MAR, MAS, MAT & MAV - IMPORTANT PLEASE READ:

- 1) MAX, INTERMITTENT SPEED & MAX. INTERMITTENT PRESSURE DROP MUST NOT OCCUR SIMULTANEOUSLY.
- 2) RECOMMENDED FILTRATION IS PER ISO CLEANLINESS COSE 20/16. NOMINAL FILTRATION 25 MICRONS OR BETTER.
- 3) WE RECOMMEND USING A PREMIUM QUALITY, ANTI WEAR TYPE MINERAL BASED HYDRAULIC OIL.
- 4) RECOMMENDED MINIMUM OIL VISCOSITY 13CST AT NOMINAL OPERATING TEMPERATURES.
- 5) RECOMMENDED MAXIMUM SYSTEM OPERATING TEMPERATURE IS 80°C TO -55°C.
- 6) TO ASSURE OPTIMUM MOTOR LIFE, FILL WITH FLUID PRIOR TO LOADING & RUN AT MODERATE LOADS & SPEED FOR 15-30 MINUTES.
- 7) IF BACK PRESSURE EXCEEDS 20 BAR IT IS NECESSARY TO FIT EXTERNAL DRAIN LINE, SHAFT SEAL PRESSURE MUST NOT EXCEED THAT IN RETURN LINE.
- 8) MAM, MAP & MAR MOTORS NOT SUITABLE FOR RADIAL SHAFT LOADS.
- 9) CERTAIN TYPES ARE ALSO AVAILABLE IN WHEEL MOTOR VARIATIONS - SIMPLY ADD 'W' TO PART NUMBER ( I.E 'MAPW200' ). PLEASE ASK FOR DETAILS.
- 10) OTHER SHAFT TYPES AVAILABLE (INCLUDING IMPERIAL).
- 11) MOTORS ARE 'CE' APPROVED.



PLEASE GO TO [WWW.STEERFORTH.CO.UK](http://WWW.STEERFORTH.CO.UK) OR CALL 01252 333 633 FOR FULL PRICE LIST



# CROSSLINE RELIEF VALVES

ORDER CODE	THREAD Ø(bsp)	MAXIMUM FLOW (ltr / min)	MAXIMUM PRESSURE (bar)	TO SUIT MOTOR
CP40DD	1/2"	60	300	MAP / MAR
CP60DD	1/2"	60		MAS
CP80DD	3/4"	100		MAT

OVERCENTRE TYPE VALVES ALSO AVAILABLE  
STANDARD VERSION ADJUSTABLE BETWEEN 10-180 BAR.

**STEEL BODY**  
LINE MOUNTED  
300 BAR MAX' WORKING PRESSURE

