

Sai Hydraulic Motor - Rapid Selection Chart

Torque Nm/Bar	Disp cc/rev	Lighter Duty	Medium Duty	Medium/Heavy Duty	Heavy Duty	Extra Heavy Duty	Hi Speed	Hi Speed Heavy Duty	Hi Speed Extra Heavy Duty
0.57	40					PO5, GM05			
0.72	50					M1, L1		S1	SH1
0.86	60					PO5, GM05			
1.07	75				PO5, GM05	M1, L1		S1	SH1
1.29	90				PO5, GM05, M1, L1			S1	SH1
1.43	100				PO5, GM05, M1, L1	GM1, P1		S1	SH1
1.58	110			PO5, GM05	P1				
1.86	130			PO5, P1, GM05					
1.93	135					M2, L2			
2.15	150		PO5, GM05	M1, L1	GM1, P1			S1	SH1
2.29	160					M2, L2		S2	SH2
2.44	170		PO5, GM05						
2.51	175			P1, M1, L1	GM1		S1		
2.72	190				M2, L2			S2	SH2
2.86	200	PO5, GM05		GM1, P1, M1, L1		GM2, P2	S1		
3.01	210	PO5, GM05			M2, L2			S2	SH2
3.15	220		M1, L1				S1		
3.58	250		GM1, P1	M2, L2	GM2, P2		S1	S2	SH2
4.30	300	GM1, P1, M1, L1		M2, L2	GM2, P2			S2, S3E	SH2, SH3E
4.58	320	GM1, P1							
5.01	350			GM2, P2		M3, L3	S2	S3E	SH3E
5.73	400		M2, L2		M3, L3		S2		
6.09	425		M2, L2	GM2, P2			S2		
6.45	450	M2, L2				M4	S2		
6.59	460							S4	SH4
7.02	490	M2, L2							
7.16	500		GM2, P2		M3, L3			S3E	SH3E
7.88	550			M3, L3		M4	S3E	S4	SH4
8.59	600	GM2		M3, L3	M4		S3E	S4	SH4
8.88	620				M4			S4	SH4
9.02	630	GM2, P2							
9.81	685			M4					
10.03	700		M3, L3	GM3, M4			S3E, S4		
11.46	800	M3, L3	GM3, M4			M5, L5	S4	S5E	SH5E
12.89	900	GM3	M4				S4		
14.32	1000	GM3	M4	GM4	M5, L5		S4	S5E	SH5E
15.76	1100	M4	GM4				S4		
17.19	1200				M5, L5			S5E	SH5E
17.91	1250	GM4, M4							
18.62	1300	GM4							
19.34	1350			M5, L5			S5E		
20.05	1400								S7
22.92	1600			M5, L5			S5E		
24.35	1700					GM6			
25.78	1800		GM5, M5, L5				S5E		
28.65	2000	GM5, M5, L5			GM6	L7			S7
35.81	2500			GM6		L7		S7	
42.97	3000		GM6		L7			S7	
51.57	3600			L7			S7		
61.59	4300		L7				S7		
67.32	4700	L7							
81.65	5700					L9			
94.54	6600					L9			
110.30	7700					L9			
126.05	8800			L9					
143.24	10000		L9						
171.89	12000	L9							

This list is for guidance only. It is NOT to be used as a replacement for a technically based selection.

Torque figures are based on 90% of Theoretical for the "Nominal" Displacement. For more accurate Displacement and Torque figures, refer to the relevant Technical Data Sheet.

When selecting Hydraulic Motors, it is important that due consideration is given to the maximum power rating. This can be found on the relevant Technical Data Sheet.

If in doubt, or for more information, please contact:-

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