

MINAS A6 SERIES – SERVO MOTORS – DIMENSIONS

MHMF (high inertia moment) 50-1500W, 200V AC

Rated power		W	50	100	200	400	750	1000		1500
Servo motor		200V AC	MHMF5A2L□□	MHMF012L□□	MHMF022L□□	MHMF042L□□	MHMF082L□□	MHMF092L□□	MHMF102L□□	MHMF152L□□
Encoder		ppr	23-bit absolute, 8388608							
LL	Without holding brake*	mm	57.5	71.5	71	88	95.4	108.2	-	-
	Without holding brake	mm	53.5	67.5	67.5	84.5	91.9	104.7	149	163
	With holding brake*	mm	91.4	105.4	100.3	117.3	129	141.8	-	-
	With holding brake	mm	87.4	101.4	96.8	113.8	125.5	138.3	177	191
LR		mm	25	25	30	30	35	35	70	70
LG		mm	16.6	16.6	16.5	16.5	16.5	16.5	44	44
LM	Without holding brake*	mm	40.9	54.9	54.5	71.5	78.9	91.7	-	-
	Without holding brake	mm	36.9	50.9	51	68	75.4	88.2	105	119
	With holding brake*	mm	74.8	88.8	83.8	100.8	112.5	125.3	-	-
	With holding brake	mm	70.8	84.8	80.3	97.3	109	121.8	133	147
LN	Without holding brake	mm	-	-	-	-	-	-	127	141
	With holding brake	mm	-	-	-	-	-	-	155	169
LQ	Without holding brake	mm	-	-	-	-	-	-	85	99
	With holding brake	mm	-	-	-	-	-	-	71	83
LH	Without holding brake	mm	34.5	34.5	44	44	54	54	85	105
	With holding brake	mm	34.5	34.5	44	44	54	54	71	116
LF		mm	5	5	6.5	6.5	8	8	12	12
LE		mm	3	3	3	3	3	3	6	-
S		mm	∅ 8 h6	∅ 8 h6	∅ 11 h6	∅ 14 h6	∅ 19 h6	∅ 19 h6	∅ 22 h6	∅ 22 h6
LB		mm	∅ 30 h7	∅ 30 h7	∅ 50 h7	∅ 50 h7	∅ 70 h7	∅ 70 h7	∅ 110 h7	∅ 110 h7
LC		mm	□40	□40	□60	□60	□80	□80	□130	□130
LZ		mm	2 x ∅ 4.3	2 x ∅ 4.3	4 x ∅ 4.5	4 x ∅ 4.5	4 x ∅ 6	4 x ∅ 6	4 x ∅ 9	4 x ∅ 9
LA		mm	∅ 46 ±0.2	∅ 46 ±0.2	∅ 70 ±0.2	∅ 70 ±0.2	∅ 90 ±0.2	∅ 90 ±0.2	∅ 145	∅ 145
LD		mm	-	-	-	-	-	-	∅ 165	∅ 165
Key way	LW	mm	14	14	20	20.5	25	25	45	45
	LK	mm	12.5	12.5	18	18	22	22	41	41
	KW	mm	3 h9	3 h9	4 h9	5 h9	6 h9	6 h9	8 h9	8 h9
	KH	mm	3	3	4	5	6	6	7	7
	RH	mm	6.2	6.2	8.5	11	15.5	15.5	18	18
	TP	mm	M3, depth 6	M3, depth 6	M4, depth 8	M5, depth 10	M5, depth 10	M5, depth 10	M3, through-hole	M3, through-hole
Weight	Without holding brake	kg	0.31	0.42	0.78	1.2	2.3	2.8	6.1	7.7
	With holding brake	kg	0.53	0.64	1.2	1.6	3	3.5	7.6	9.2

□□ Motor type, see brochure *Servo drives 4247* [en](#) page 20

* With oil seal