

Overview MINAS A5 motors and accessories

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Motor							Driver	Cable				Filter	Brake resistor	
Rated power W	Max. torque Nm	Rated rotational speed (max.) /min	Motor type	Holding brake	IP67 degree of protection	Key shaft	Encoder	Motor cable		Encoder cable		EMC filter		
								Without holding brake	With holding brake	20-bit incremental	17-bit absolute			
Low inertia 200V AC														
Low inertia	50	0.16 (0.48)	3000 (6000)	MSME5AZG1U			20-bit incremental encoder 1,048,576 p/r	MADHT1505			MFECAB000PJT*	MFECAB00GJE (with battery box)	FN2080-6-06 or FS21238607	BWD250100
	100	0.32 (0.95)	3000 (6000)	MSME012G1U										
	200	0.64 (1.91)	3000 (6000)	MSME022G1U										
	400	1.3 (3.8)	3000 (6000)	MSME042G1U										
	750	2.4 (7.1)	3000 (6000)	MSME082G1U										
	1000	3.18 (9.55)	3000 (5000)	MSME102G1G										
	1500	4.77 (13.3)	3000 (5000)	MSME152G1G										
	500	1.3 (3.8)	3000 (6000)	MSME022G1V										
	1000	2.4 (7.1)	3000 (6000)	MSME042G1V										
	1500	3.18 (9.55)	3000 (5000)	MSME102G1H										
Low inertia 400V AC														
Low inertia	1000	3.18 (9.55)	3000 (5000)	MSME104G1G			20-bit incremental encoder 1,048,576 p/r	MDDHT3420			MFECAC000GTD	MFECAC00GTE (with battery box)	FN3268-7-44	BWD500150
	1500	4.77 (13.3)	3000 (5000)	MSME154G1G										
	2000	6.37 (19.1)	3000 (5000)	MSME204G1G										
	3000	9.55 (28.6)	3000 (5000)	MSME304G1G										
	4000	12.7 (38.2)	3000 (4500)	MSME404G1G										
	5000	15.9 (47.7)	3000 (4500)	MSME504G1G										
	1000	4.77 (14.3)	3000 (5000)	MSME104G1H										
	1500	7.16 (21.5)	3000 (5000)	MSME154G1H										
	2000	9.55 (28.6)	3000 (5000)	MSME204G1H										
	3000	14.3 (43.0)	3000 (5000)	MSME304G1H										
Medium inertia 200V AC														
Medium inertia	1000	4.7 (14.3)	2000 (3000)	MDME102G1G			20-bit increm. encoder	MDDHT3530			MFECAC000GTD	MFECAC00GTE (with battery box)	DV0P4220	BWD500035
	1500	7.16 (21.5)	2000 (3000)	MDME152G1G										
	2000	9.55 (28.6)	2000 (3000)	MDME204G1G										
	3000	14.3 (43.0)	2000 (3000)	MDME304G1G										
	4000	19.1 (57.3)	2000 (3000)	MDME404G1G										
	5000	23.9 (71.6)	2000 (3000)	MDME504G1G										
	750	4.7 (14.3)	1500 (2000)	MDME754G1G										
	11000	70 (175)	1500 (2000)	MDMEC14G1G										
	15000	95.5 (224)	1500 (2000)	MDMEC54G1G										
	2000	14.3 (43.0)	2000 (3000)	MDME304G1H										
Medium inertia 400V AC														
Medium inertia	2000	9.55 (28.6)	2000 (3000)	MDME204G1G			20-bit incremental encoder 1,048,576 p/r	MEDHT4430			MFECAC000GTD	MFECAC00GTE (with battery box)	FN3268-7-44	BWD500100
	3000	14.3 (43.0)	2000 (3000)	MDME304G1G										
	4000	19.1 (57.3)	2000 (3000)	MDME404G1G										
	5000	23.9 (71.6)	2000 (3000)	MDME504G1G										
	750	4.7 (14.3)	1500 (2000)	MDME754G1G										
	11000	70 (175)	1500 (2000)	MDMEC14G1H										
	15000	95.5 (224)	1500 (2000)	MDMEC54G1H										
	2000	14.3 (43.0)	2000 (3000)	MDME304G1H										
	4000	19.1 (57.3)	2000 (3000)	MDME404G1H										
	5000	23.9 (71.6)	2000 (3000)	MDME504G1H										
High inertia 200V AC														
High inertia	200	0.64 (1.91)	3000 (5000)	MHMD022G1U		IP65	20-bit incremental encoder	MADHT1507			MFECAC000EAM	MFECAC00EAE (with battery box)	FN2080-6-06 or FS21238607	BWD250072
	400	1.3 (3.8)	3000 (5000)	MHMD042G1U		IP65								
	750	2.4 (7.1)	3000 (4500)	MHMD082G1U		IP65								
	1000	3.18 (9.55)	3000 (5000)	MHMD102G1U		IP65								
	1500	4.77 (13.3)	3000 (5000)	MHMD152G1U		IP65								
	2000	6.37 (19.1)	3000 (5000)	MHMD202G1U		IP65								
	3000	9.55 (28.6)	3000 (5000)	MHMD302G1U		IP65								
	4000	12.7 (38.2)	3000 (4500)	MHMD402G1U		IP65								
	5000	15.9 (47.7)	3000 (4500)	MHMD502G1U		IP65								
	7500	23.9 (71.6)	3000 (4500)	MHMD752G1U		IP65								
High inertia 400V AC														
High inertia	1000	4.77 (14.3)	2000 (3000)	MHME104G1G			20-bit incremental encoder 1,048,576 p/r	MDDHT2412			MFECAC000GTD	MFECAC00GTE (with battery box)	FN3268-7-44	BWD500150
	1500	7.16 (21.5)	2000 (3000)	MHME154G1G										
	2000	9.55 (28.6)	2000 (3000)	MHME204G1G										
	3000	14.3 (43.0)	2000 (3000)	MHME304G1G										
	4000	19.1 (57.3)	2000 (3000)	MHME404G1G										
	5000	23.9 (71.6)	2000 (3000)	MHME504G1G										
	7500	35.8 (111)	2000 (3000)	MHME754G1G										
	1000	4.77 (14.3)	2000 (3000)	MHME104G1H										
	1500	7.16 (21.5)	2000 (3000)	MHME154G1H										
	2000	9.55 (28.6)	2000 (3000)	MHME204G1H										
3000	14.3 (43.0)	2000 (3000)	MHME304G1H											
4000	19.1 (57.3)	2000 (3000)	MHME404G1H											
5000	23.9 (71.6)	2000 (3000)	MHME504G1H											
7500	35.8 (111)	2000 (3000)	MHME754G1H											
10000	47.7 (143)	2000 (3000)	MHMEC14G1G											
15000	71.6 (215)	2000 (3000)	MHMEC54G1G											
20000	95.5 (286)	2000 (3000)	MHMEC75G1G											
30000	143 (430)	2000 (3000)	MHMEC14G1H											
40000	191 (573)	2000 (3000)	MHMEC54G1H											
50000	239 (716)	2000 (3000)	MHMEC75G1H											
75000	358 (1111)	2000 (3000)	MHMEC14G1H											
100000	477 (1433)	2000 (3000)	MHMEC54G1H											
150000	716 (2155)	2000 (3000)	MHMEC75G1H											

* For motors with a holding brake < 1kW you need two cables: one for the motor, one for the brake.

□□ = Length 10 = 1m 50 = 5m