

# MMB Series

## Brushless motors

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SIZE: B28, B36, B56, B63, B71, B100, B132

RANGE: from 0.2 up to 115 Nm

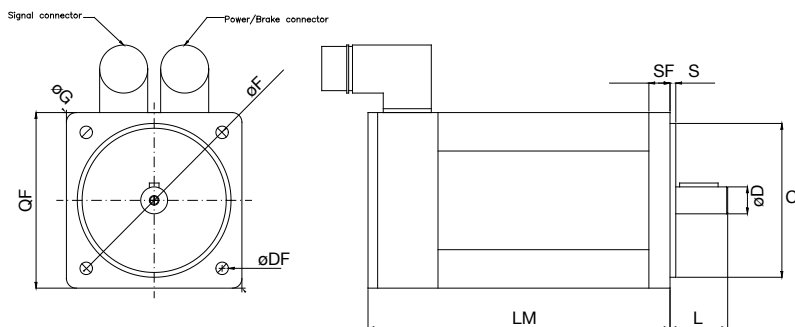
VOLTAGE: 220/480 Vac

NUMBER OF POLES: 4,6,8,10

FEEDBACK: Resolver or Encoder

### OVERALL DIMENSIONS

Type	Stall Torque (Nm)	LM	LF	DXL	QF	CXS	F	DF	SF	G	Motor weight (kg)	Motor weight with Brake (Kg)
MMB28.D2S	0,20	106	130	Ø9j6x20,00	58,00	Ø40,00j6x2,50	Ø63,00	5,5x7,00	12,00	Ø82,02	1,40	1,60
MMB28.D4S	0,40	121	145	Ø9j6x20,00	58,00	Ø40,00j6x2,50	Ø63,00	5,5x7,00	12,00	Ø82,02	1,60	1,80
MMB28.D6S	0,60	136	160	Ø9j6x20,00	58,00	Ø40,00j6x2,50	Ø63,00	5,5x7,00	12,00	Ø82,02	1,80	2,00
MMB28.D8S	0,80	151	175	Ø9j6x20,00	58,00	Ø40,00j6x2,50	Ø63,00	5,5x7,00	12,00	Ø82,02	2,00	2,20
MMB36.D7P	0,70	116	152	Ø11j6x23,00	70,00	Ø60,00j6x2,50	Ø75,00	Ø5,80	9,00	Ø98,99	1,60	2,20
MMB36.E3P	1,30	141	177	Ø11j6x23,00	70,00	Ø60,00j6x2,50	Ø75,00	Ø5,80	9,00	Ø98,99	2,10	2,70
MMB36.E8P	1,80	166	202	Ø11j6x23,00	70,00	Ø60,00j6x2,50	Ø75,00	Ø5,80	9,00	Ø98,99	2,60	3,20
MMB36.F3P	2,30	191	227	Ø11j6x23,00	70,00	Ø60,00j6x2,50	Ø75,00	Ø5,80	9,00	Ø98,99	3,10	3,70
MMB56.E2S	1,20	127	170	Ø14j6x30,00	91,30	Ø80,00j6x3,00	Ø100,00	Ø6,50	11,00	Ø129,12	3,50	4,10
MMB56.F4S	2,40	152	195	Ø14j6x30,00	91,30	Ø80,00j6x3,00	Ø100,00	Ø6,50	11,00	Ø129,12	4,40	5,00
MMB56.G4S	3,40	177	220	Ø14j6x30,00	91,30	Ø80,00j6x3,00	Ø100,00	Ø6,50	11,00	Ø129,12	5,40	6,00
MMB63.04J	4,0	160	192	Ø19j6x40,00	100,00	Ø95,00j6x3,00	Ø115,00	Ø9,00	18,00	Ø141,42	4,50	5,50
MMB63.06J	6,0	180	212	Ø19j6x40,00	100,00	Ø95,00j6x3,00	Ø115,00	Ø9,00	18,00	Ø141,42	5,50	6,50
MMB63.08J	8,0	204	236	Ø19j6x40,00	100,00	Ø95,00j6x3,00	Ø115,00	Ø9,00	18,00	Ø141,42	6,50	7,50
MMB63.10J	10,0	224	256	Ø19j6x40,00	100,00	Ø95,00j6x3,00	Ø115,00	Ø9,00	18,00	Ø141,42	7,50	8,50
MMB63.12J	12,0	244	276	Ø19j6x40,00	100,00	Ø95,00j6x3,00	Ø115,00	Ø9,00	18,00	Ø141,42	8,50	10,00
MMB71.07J	7,0	198	228	Ø24j6x50,00	142,00	Ø130,00j6x3,50	Ø165,00	Ø12,50	12,00	Ø200,81	10,90	12,80
MMB71.11J	11,0	223	253	Ø24j6x50,00	142,00	Ø130,00j6x3,50	Ø165,00	Ø12,50	12,00	Ø200,81	13,10	15,00
MMB71.15J	15,0	248	278	Ø24j6x50,00	142,00	Ø130,00j6x3,50	Ø165,00	Ø12,50	12,00	Ø200,81	15,30	17,20
MMB71.19J	19,0	273	303	Ø24j6x50,00	142,00	Ø130,00j6x3,50	Ø165,00	Ø12,50	12,00	Ø200,81	17,50	19,40
MMB71.23J	23,0	298	328	Ø24j6x50,00	142,00	Ø130,00j6x3,50	Ø165,00	Ø12,50	12,00	Ø200,81	19,70	21,60
MMB10.24I	24	301	365	Ø32k6x58,00	190,00	Ø180,80j6x5,00	Ø215,00	Ø13,00	16,00	Ø268,70	25,00	31,60
MMB10.30I	30	326	390	Ø32k6x58,00	190,00	Ø180,80j6x5,00	Ø215,00	Ø13,00	16,00	Ø268,70	29,00	35,60
MMB10.43I	43	376	440	Ø32k6x58,00	190,00	Ø180,80j6x5,00	Ø215,00	Ø13,00	16,00	Ø268,70	37,00	43,60
MMB10.54I	54	426	490	Ø32k6x58,00	190,00	Ø180,80j6x5,00	Ø215,00	Ø13,00	16,00	Ø268,70	45,00	53,60
MMB10.66I	66	476	540	Ø32k6x58,00	190,00	Ø180,80j6x5,00	Ø215,00	Ø13,00	16,00	Ø268,70	53,00	62,60
MMB13.40	40,0	293	343	Ø38k6x80,00	240,00	Ø230,00j6x4,00	Ø265,00	Ø14,50	18,00	Ø339,41	42,00	49,00
MMB13.69	69,0	373	423	Ø38k6x80,00	240,00	Ø230,00j6x4,00	Ø265,00	Ø14,50	18,00	Ø339,41	55,00	62,00
MMB13.94	94,0	433	483	Ø42k6x142,00	240,00	Ø230,00j6x4,00	Ø265,00	Ø14,50	18,00	Ø339,41	74,00	81,00
MMB13.CBI	115,0	493	543	Ø42k6x142,00	240,00	Ø230,00j6x4,00	Ø265,00	Ø14,50	18,00	Ø339,41	92,00	99,00



LM Motor length/Lunghezza a corpo motore/ Longitud cuerpo motor

LF Motor length with brake/Lunghezza a corpo motore con freno /longitud cuerpo motor con freno o inercia aumentada

DXL Diameter x length of shaft/Diametro per lunghezza albero/Diámetro x longitud de eje

QF Square flange/Quadro flangia/Cuadrado Brida

CXS Centering x thickness/Centraggio per spessore/Centrage x espesor

F Wheel base fixing holes/Interasse fori/Entré centros de orificios de fijación

DF Diameter fixing holes/Diametro fori di fissaggio/Diámetro de orificios de fijación

SF Thickness flange/Spessore flangia/Espesor de brida

G Dimensione diagonale/Diagonal dimensione Dimensiones en diagonal



### TECHNICAL FEATURES

Type	Stall torque (Nm)	Speed (rpm)	Peak torque Tp (Nm)	Inertia Jm (10 <sup>-4</sup> kgm <sup>2</sup> )	Stall current (Arms)	Torque constant Kt (Nm/A)
<b>MMB28/400V/3000-6000rpm</b>						
MMB28.D4S_3H	0,40	3000	1,4	0,13	0,28	1,45
MMB28.D6S_3H	0,60	3000	2,1	0,18	0,41	1,45
MMB28.D8S_3H	0,80	3000	2,8	0,23	0,55	1,45
MMB28.D2S_6H	0,20	6000	0,7	0,07	0,28	0,73
MMB28.D4S_6H	0,40	6000	1,4	0,13	0,55	0,73
MMB28.D6S_6H	0,60	6000	2,1	0,18	0,83	0,73
MMB28.D8S_6H	0,80	6000	2,8	0,23	1,10	0,73
<b>MMB36/400V/3000rpm</b>						
MMB36.D7P_3H	0,70	3000	3,0	0,38	0,48	1,46
MMB36.E3P_3H	1,30	3000	6,0	0,78	0,89	1,46
MMB36.E8P_3H	1,80	3000	8,0	1,08	1,24	1,46
MMB36.F3P_3H	2,30	3000	11,0	1,43	1,58	1,46
<b>MMB56/400V/3000-4500rpm</b>						
MMB56.E2S_3H	1,20	3000	4,2	0,73	0,81	1,48
MMB56.F4S_3H	2,40	3000	8,5	1,40	1,62	1,48
MMB56.G4S_3H	3,40	3000	10,5	1,84	2,30	1,48
MMB56.E2S_DH	1,20	4500	4,2	0,73	1,22	0,99
MMB56.F4S_DH	2,40	4500	8,5	1,40	2,43	0,99
MMB56.G4S_DH	3,40	4500	10,5	1,84	3,44	0,99
<b>MMB63/400V/3000rpm</b>						
MMB63.04J_3H	4,0	3000	10	1,75	2,5	1,63
MMB63.06J_3H	6,0	3000	15	2,51	3,7	1,63
MMB63.08J_3H	8,0	3000	20	3,29	4,9	1,63
MMB63.10J_3H	10,0	3000	25	4,07	6,1	1,63
MMB63.12J_3H	12,0	3000	30	4,82	7,4	1,63
<b>MMB71/400V/3000rpm</b>						
MMB71.07J_3H	7,0	3000	32	6,20	4,3	1,63
MMB71.11J_3H	11,0	3000	46	8,10	6,8	1,63
MMB71.15J_3H	15,0	3000	62	10,00	9,2	1,63
MMB71.19J_3H	19,0	3000	80	11,90	11,7	1,63
MMB71.23J_3H	23,0	3000	94	13,80	14,1	1,63
<b>MMB100/400V/2000rpm</b>						
MMB10.30I_2H	30	2000	99	170	12,2	2,45
MMB10.43I_2H	43	2000	139	238	17,6	2,45
MMB10.54I_2H	54	2000	163	300	22	2,45
MMB10.66I_2H	66	2000	199	370	26,9	2,45
<b>MMB132/400V/1500rpm</b>						
MMB13.40_AH	40,0	1500	120	65	12,3	3,26
MMB13.69_AH	69,0	1500	204	114	21,2	3,26
MMB13.94_AH	94,0	1500	280	150	27,1	3,46
MMB13.CBI_AH	115,0	1500	345	192	36,8	3,13

Type	Stall torque (Nm)	Speed (rpm)	Peak torque Tp (Nm)	Inertia Jm (10 <sup>-4</sup> kgm <sup>2</sup> )	Stall current (Arms)	Torque constant Kt (Nm/A)
<b>MMB28/220V/3000-6000rpm</b>						
MMB28.D4S_3M	0,40	3000	1,4	0,13	0,48	0,84
MMB28.D6S_3M	0,60	3000	2,1	0,18	0,72	0,84
MMB28.D8S_3M	0,80	3000	2,8	0,23	0,95	0,84
MMB28.D2S_6M	0,20	6000	0,7	0,07	0,48	0,42
MMB28.D4S_6M	0,40	6000	1,4	0,13	0,95	0,42
MMB28.D6S_6M	0,60	6000	2,1	0,18	1,43	0,42
MMB28.D8S_6M	0,80	6000	2,8	0,23	1,91	0,42
<b>MMB36/400V/6000rpm</b>						
MMB36.D7P_6H	0,70	6000	3,0	0,38	0,96	0,73
MMB36.E3P_6H	1,30	6000	6,0	0,78	1,79	0,73
MMB36.E8P_6H	1,80	6000	8,0	1,08	2,47	0,73
MMB36.F3P_6H	2,30	6000	11,0	1,43	3,16	0,73
<b>MMB56/220V/3000-4500rpm</b>						
MMB56.E2S_3M	1,20	3000	4,2	0,73	1,40	0,86
MMB56.F4S_3M	2,40	3000	8,5	1,40	2,81	0,86
MMB56.G4S_3M	3,40	3000	10,5	1,84	3,98	0,86
MMB56.E2S_DM	1,20	4500	4,2	0,73	2,11	0,57
MMB56.F4S_DM	2,40	4500	8,5	1,40	4,21	0,57
MMB56.G4S_DM	3,40	4500	10,5	1,84	5,96	0,57
<b>MMB63/400V/4500rpm</b>						
MMB63.04J_DH	4,0	4500	10	1,75	3,7	1,09
MMB63.06J_DH	6,0	4500	15	2,51	5,5	1,09
MMB63.08J_DH	8,0	4500	20	3,29	7,4	1,09
MMB63.10J_DH	10,0	4500	25	4,07	9,2	1,09
MMB63.12J_DH	12,0	4500	30	4,82	11,0	1,09
<b>MMB71/400V/4500rpm</b>						
MMB71.07J_DH	7,0	4500	32	6,20	6,4	1,09
MMB71.11J_DH	11,0	4500	46	8,10	10,1	1,09
MMB71.15J_DH	15,0	4500	62	10,00	13,8	1,09
MMB71.19J_DH	19,0	4500	80	11,90	17,4	1,09
MMB71.23J_DH	23,0	4500	94	13,80	21,1	1,09
<b>MMB100/400V/3000rpm</b>						
MMB10.24I_3H	24	3000	89	136	14,7	1,63
MMB10.30I_3H	30	3000	99	170	18,4	1,63
MMB10.43I_3H	43	3000	139	238	26,3	1,63
MMB10.54I_3H	54	3000	163	300	33,1	1,63
<b>MMB132/400V/2000rpm</b>						
MMB13.40_2H	40,0	2000	120	65	16,4	2,44
MMB13.69_2H	69,0	2000	204	114	28,2	2,44
MMB13.94_2H	94,0	2000	280	150	38,5	2,44

**ORDERING CODE:** After the code ( e.g MMB56G4S\_3H) choose the option - The options above are CMZ standard configurations. For other options see Servo Motor Catalogue  
 Entire motor code example: MMB56G4S\_3H 7 A 05 0 0 57

TYPE ES. MMB56G4S3H	Connection type 7 (Swiveling 90 angled connectors)	Brake and shaft extension A (Without brake, keyed shaft)	Feedback 05 (Resolver 2 poles)	Connection Direction 0 Standard	Cooling 0 (Natural convection)	Internal standard code 57
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