

Intermittent duty S3 40% or Short time duty S2 25 min

Motor type	Power (kW)	RPM	In (A) 400 V 50 Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	Brake Power (W)	Standard brake torque (Nm)
2 pole - 3000 RPM									
BMBMX 63 A2	0.18	2800	0.63	0.69	0.61	3.0	3.6	2 x 22	2 x 3.5
BMBMX 63 B2	0.25	2780	0.73	0.76	0.86	3.5	5.0	2 x 22	2 x 3.5
BMBMX 71 A2	0.37	2810	1.00	0.76	1.26	2.6	4.5	2 x 22	2 x 3.5
BMBMX 71 B2	0.55	2810	1.40	0.76	1.86	2.6	4.5	2 x 22	2 x 3.5
BMBMX 80A2	0.75	2849	1.74	0.77	2.52	3.6	5.7	2 x 28	2 x 7
BMBMX 80 B2	1.1	2865	2.50	0.77	3.66	3.3	5.4	2 x 28	2 x 7
BMBMX 90 SA2	1.5	2890	3.15	0.81	4.95	3.8	8.2	2 x 34	2 x 14
BMBMX 90 LA2	2.2	2887	4.95	0.75	7.27	4.4	8.4	2 x 34	2 x 14
BMBMX 100 LB2	3.0	2905	6.60	0.76	9.86	4.4	8.8	2 x 42	2 x 28
BMBMX 112 MC2	4.0	2935	7.80	0.84	13.0	4.6	10.5	2 x 50	2 x 42
BMBMX 132SA2	5.5	2935	10.1	0.88	17.89	4.3	9.5	2 x 64	2 x 70
BMBMX 132 SB2	7.5	2930	13.4	0.89	24.44	4.0	9.0	2 x 64	2 x 70
BMBMX 160 MA2	11	2956	20.5	0.85	35.53	4.5	10.2	2 x 76	2 x 107
BMBMX 160 MB2	15	2956	27.5	0.86	48.45	4.6	10.3	2 x 76	2 x 107
BMBMX 160 LA2	18.5	2956	33.8	0.86	59.76	4.6	10.3	2 x 76	2 x 107
BMBMX 180 LA2	22	2958	36.8	0.93	71.1	4.2	10.8	2 x 100	2 x 150
BMBMX 200 LA2	30	2955	51.65	0.9	97.0	4.7	9.8	2 x 140	2 x 250
BMBMX 200 LB2	37	2955	62.7	0.91	119.6	4.7	9.8	2 x 140	2 x 250
4 pole - 1500 RPM									
BMBMX 63 A4	0.12	1300	0.36	0.73	0.82	2.2	2.8	2 x 22	2 x 3.5
BMBMX 63 B4	0.18	1340	0.58	0.70	1.28	2.2	2.8	2 x 22	2 x 3.5
BMBMX 63 C4	0.22	1350	0.70	0.69	1.55	2.6	3.6	2 x 22	2 x 3.5
BMBMX 71 A4	0.25	1400	0.76	0.69	1.7	2	3.6	2 x 22	2 x 3.5
BMBMX 71 B4	0.37	1375	1.00	0.74	2.62	2.2	3.86	2 x 22	2 x 3.5
BMBMX 71 C4	0.55	1360	1.43	0.72	3.86	2.4	4.2	2 x 22	2 x 3.5
BMBMX 80 A4	0.55	1410	1.41	0.72	3.7	2.35	4.3	2 x 28	2 x 7
BMBMX 80 S4	0.72	1400	1.9	0.7	4.98	2.9	5.3	2 x 28	2 x 7
BMBMX 80 B4	0.75	1415	1.97	0.67	5.06	3.1	5.6	2 x 28	2 x 7
BMBMX 90 SA4	1.1	1428	2.6	0.73	7.37	3.4	5.7	2 x 34	2 x 14
BMBMX 90 LA4	1.5	1430	3.5	0.74	10.01	3.5	6.2	2 x 34	2 x 14
BMBMX 100 S4 (*)	1.85	1432	4	0.78	12.33	2.8	6.9	2 x 42	2 x 28
BMBMX 100 LA4 (**)	2.2	1440	4.8	0.76	14.5	2.9	7	2 x 42	2 x 28
BMBMX 112 MB4	3	1455	6.4	0.77	19.68	4	8.6	2 x 50	2 x 42
BMBMX 112 MC4	4	1445	8.4	0.77	26.4	3.7	7.1	2 x 50	2 x 42
BMBMX 132 SB4	5.5	1457	11	0.8	36.04	3.5	7.6	2 x 64	2 x 70
BMBMX 132 MA4	7.5	1457	14.9	0.82	49.15	3.3	7.9	2 x 64	2 x 70
BMBMX 160 MB4	11	1460	22.3	0.78	71.5	3.8	9.1	2 x 76	2 x 107
BMBMX 160 LA4	15	1470	30.2	0.78	97.44	3.5	9.1	2 x 76	2 x 107
BMBMX 180 LA4	18.5	1475	37.1	0.78	119.77	3.5	9.1	2 x 100	2 x 150
BMBMX 180 LB4	22	1472	41.7	0.82	142.4	4.3	8.6	2 x 100	2 x 150
BMBMX 200 LB4	30	1475	53.2	0.87	194.22	2.9	8.4	2 x 140	2 x 250
BMBMX 225 S4	37	1480	66.2	0.86	238.73	2.7	8.5	2 x 140	2 x 375
BMBMX 225 M4	45	1480	79.3	0.87	290.35	2.8	8.8	2 x 140	2 x 375
BMBMX 250 M4	55	1480	96.6	0.87	354.88	3.2	9.8	2 x 140	2 x 375
BMBMX 280 S4	75	1488	136.4	0.83	481.32	3.6	10.2	2 x 144	2 x 800
BMBMX 280 M4	90	1488	160.7	0.84	577.59	2.6	9.6	2 x 144	2 x 800
BMBMX 315 S4	110	1489	193.5	0.86	705.47	2.6	9.2	2 x 144	2 x 1000
BMBMX 315 M4	132	1489	231.7	0.86	846.57	2.7	9.2	2 x 144	2 x 1000

1. Motor characteristic values reported in the tables refer to intermittent duty (S3 40%) or as alternative to Short time duty (S2 25 min), voltage 3-400V 50 Hz, ambient temperature max. 40 °C, altitude up to 1000 m. above sea level operating condition. These are TENV motors and they are exempt from efficiency requirements of the regulation (EU) 2019/1781 - Article 2 (2) point I). I valori indicati si riferiscono al funzionamento del motore in servizio intermittente (S3 40%) o in servizio di breve durata (S2 25 min), con alimentazione 3-400V 50 Hz, temperatura esterna max 40°C, altitudine fino a 1000 m s.l.m. Questi motori sono motori TENV e esenti dai requisiti di efficienza del regolamento (UE) 2019/1781 - Articolo 2 (2) point I).

2. Brake torque values refer to the motors in standard execution, motors

with special executions and different brake torque values are available. I valori di coppia frenante indicati nelle tabelle si riferiscono alla versione standard, sono disponibili motori in versioni speciali con differenti valori di coppia frenante.

3. MGM keeps the data provided as up-to-date and correct as possible. Since the products are subject to changes and improvements, the data indicated cannot be considered binding. The data indicated must also be understood as being general in nature. For specific applications, please contact the MGM staff. - La MGM motori elettrici SpA si adopera per mantenere i dati forniti il più possibile aggiornati e corretti. Dal momento che i prodotti sono oggetto di continue modifiche e miglioramenti i dati indicati non possono tuttavia essere considerati impegnativi. I dati indicati inoltre si devono

intendere come informazioni di carattere generale sul prodotto. Per specifiche applicazioni Vi raccomandiamo di contattare lo staff della MGM.

4. The motor marked with * can be supplied with reduced shaft and flange with the dimensions related to the frame size 90. - Il motore contrassegnato con * può essere fornito con albero e flangia ridotta con le dimensioni relative all'altezza d'asse 90.

5. The motors nameplates have the data relating to operation at both 50 Hz and 60 Hz with the same power value except for the motors marked with **. - I motori riportano in targa i dati relativi al funzionamento sia a 50 Hz che a 60 Hz con il medesimo valore di potenza ad esclusione dei motori contrassegnati con **.

Intermittent duty S3 40% or Short time duty S2 25 min

Motor type	Power (kW)	RPM	In (A) 400 V 50 Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	Brake Power (W)	Standard brake torque (Nm)
6 pole - 1000 RPM									
BMBMX 63 D6	0.12	865	0.62	0.55	1.3	2.7	1.9	2 x 22	2 x 3.5
BMBMX 71A6	0.18	900	0.61	0.69	2.1	2	2.6	2 x 22	2 x 3.5
BMBMX 71B6	0.25	875	0.8	0.7	2.8	1.6	2.8	2 x 22	2 x 3.5
BMBMX 80 A6	0.37	940	1.31	0.57	3.8	2.7	3.5	2 x 28	2 x 7
BMBMX 80 B6	0.55	920	1.72	0.63	5.7	2.8	3.5	2 x 28	2 x 7
BMBMX 90 SA6 **	0.75	935	2.1	0.66	7.66	2.5	5.5	2 x 34	2 x 14
BMBMX 90 LA6 **	1.1	935	3.3	0.61	11.23	3.1	4.6	2 x 34	2 x 14
BMBMX 100 LA6 **	1.5	955	4	0.66	15.2	3	5.3	2 x 42	2 x 28
BMBMX 112 MC6 **	2.2	960	5	0.75	21.88	2.4	6.4	2 x 50	2 x 42
BMBMX 132 SB6 **	3	965	6.8	0.75	29.68	3.1	8.1	2 x 64	2 x 70
BMBMX 132 MA6 **	4	965	9.2	0.72	39.58	3.1	6.7	2 x 64	2 x 70
BMBMX 132 MB6 **	5.5	965	12.5	0.72	54.423	3	6.6	2 x 64	2 x 70
BMBMX 160 MB6	7.5	965	15.8	0.76	74.21	3	7.2	2 x 76	2 x 107
BMBMX 160 LB6	11	965	22.9	0.77	108.85	2.7	9.1	2 x 76	2 x 107
BMBMX 180 LB6	15	978	31.3	0.76	147.7	3.1	9.1	2 x 100	2 x 150
BMBMX 200 LA6	18.5	980	37.4	0.8	180.27	3.7	8.6	2 x 140	2 x 250
BMBMX 200 LB6	22	975	43.1	0.8	215.47	3.1	7.3	2 x 140	2 x 250
BMBMX 225 M6	30	985	57.9	0.8	291.4	3.7	7.7	2 x 140	2 x 375
BMBMX 250 M6	37	980	68.2	0.84	360.5	3.2	7.9	2 x 140	2 x 375
BMBMX 280 S6	45	987	88.8	0.78	436.3	2.8	6	2 x 144	2 x 800
BMBMX 280 M6	55	987	108.1	0.78	533.2	2.8	6.6	2 x 144	2 x 800
BMBMX 315 S6	75	988	141.3	0.81	724.91	2.6	7	2 x 144	2 x 1000
BMBMX 315 M6	90	988	169	0.81	869.90	2.6	7	2 x 144	2 x 1000
8 pole - 750 RPM									
BMBMX 71 B8	0.12	680	0.7	0.54	1.7	2.2	2.2	2 x 22	2 x 3.5
BMBMX 80 A8	0.18	690	0.86	0.6	2.49	2.2	2.42	2 x 28	2 x 7
BMBMX 80 B8	0.25	675	1.1	0.61	3.53	2.2	2.42	2 x 28	2 x 7
BMBMX 90 SA8	0.37	690	1.52	0.59	5.12	2.31	3.19	2 x 34	2 x 14
BMBMX 90 LA8	0.55	690	2.3	0.56	7.61	2.31	3.08	2 x 34	2 x 14
BMBMX 100 LA8	0.75	700	2.6	0.56	10.23	2.31	3.3	2 x 42	2 x 28
BMBMX 100 LB8	1.1	700	3.8	0.54	15.00	2.4	4.4	2 x 42	2 x 28
BMBMX 112 MB8	1.5	720	4.8	0.57	19.89	2.2	4.95	2 x 50	2 x 42
BMBMX 132 SB8	2.2	710	5.55	0.7	29.59	2.31	5.17	2 x 64	2 x 70
BMBMX 132 MB8	3	710	7.4	0.7	40.35	2.31	5.17	2 x 64	2 x 70
BMBMX 160 MA8	4	725	9.6	0.71	52.68	2.53	6.7	2 x 76	2 x 107
BMBMX 160 MB8	5.5	725	13.4	0.69	72.44	2.53	6.71	2 x 76	2 x 107
BMBMX 160 LA8	7.5	725	18.3	0.68	98.78	2.53	6.71	2 x 76	2 x 107
BMBMX 180 LB8	11	730	26.1	0.69	143.89	2.4	5.7	2 x 100	2 x 150
BMBMX 200 LA8	15	735	34.7	0.7	194.88	2.09	6.5	2 x 140	2 x 250
BMBMX 225 S8	18.5	740	44	0.67	238.73	2.4	7.5	2 x 140	2 x 375
BMBMX 225 M8	22	735	49.4	0.7	285.83	2.1	7.04	2 x 140	2 x 375
BMBMX 250 M8	30	740	64.17	0.74	387.14	2.1	6.8	2 x 140	2 x 375
BMBMX 280 S8	37	745	75.64	0.77	474.27	2.2	7	2 x 144	2 x 800
BMBMX 280 M8	45	745	90.42	0.78	576.82	2.2	7.2	2 x 144	2 x 800

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