IE2/IE3 - Reg. (EU) 2019/1781 - 50Hz

Motor type	P_N (kW)	RPM 50Hz	In (A) 400 V 50Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	IE	Efficiency 50Hz			Moment of inertia $Jx10^{-4}kgm^2$	DC brake torque (Nm)	Weight (Kg)
									100%	75%	50%			
2 pole - 3000 RPM														
BMX 56 B2	0.12	2750	0.45	0.72	0.42	3.0	3.3	IE2	53.6	55.0	45.0	1.85	2	4
BMX 63 A2	0.18	2800	0.63	0.69	0.61	3.0	3.6	IE2	60.4	59.3	56.6	1.93	5	5
BMX 63 B2	0.25	2780	0.73	0.76	0.86	3.5	5.0	IE2	64.8	63.7	60.8	1.93	5	5
BMX 71 A2	0.37	2810	1.00	0.76	1.26	2.6	4.5	IE2	69.5	68.4	65.3	3.35	5	7
BMX 71 B2	0.55	2810	1.40	0.76	1.86	2.6	4.5	IE2	74.1	73.0	69.7	3.95	5	8
BMX 80A2	0.75	2849	1.74	0.77	2.52	3.6	5.7	IE3	80.7	80.2	76.6	7.29	10	12
BMX 80 B2	1.1	2865	2.50	0.77	3.66	3.3	5.4	IE3	82.7	83.0	80.9	8.61	10	13
BMX 90 SA2	1.5	2890	3.15	0.81	4.95	3.8	8.2	IE3	84.2	85.1	82.8	17.3	20	18
BMX 90 LA2	2.2	2887	4.95	0.75	7.27	4.4	8.4	IE3	85.9	85.7	84.0	19.0	20	22
BMX 100 LB2	3.0	2905	6.60	0.76	9.86	4.4	8.8	IE3	87.1	86.3	84.2	36.4	40	26
BMX 112 MC2	4.0	2935	7.80	0.84	13.0	4.6	10.5	IE3	88.1	88.5	87.0	83.7	60	40
BMX 132SA2	5.5	2935	10.1	0.88	17.89	4.3	9.5	IE3	89.2	89.6	87.4	190	100	65
BMX 132 SB2	7.5	2930	13.4	0.89	24.44	4.0	9.0	IE3	90.1	91.0	90.0	220	100	70
BMX 160 MA2	11	2956	20.5	0.85	35.53	4.5	10.2	IE3	91.2	91.9	90.0	480	150	148
BMX 160 MB2	15	2956	27.5	0.86	48.45	4.6	10.3	IE3	91.9	92.0	90.7	480	150	148
BMX 160 LA2	18.5	2956	33.8	0.86	59.76	4.6	10.3	IE3	92.4	92.6	91.6	580	150	160
BMX 180 LA2	22	2958	36.8	0.93	71.1	4.2	10.8	IE3	92.7	92.0	91.0	1050	250	245
BMX 200 LA2	30	2955	51.65	0.9	97.0	4.7	9.8	IE3	93.3	93.5	92.3	1400	250	280
BMX 200 LB2	37	2955	62.7	0.91	119.6	4.7	9.8	IE3	93.7	94.0	92.1	1400	250	280
4 pole - 1500 RPM														
BMX 63 A4	0.12	1300	0.36	0.73	0.82	2.2	2.8	IE2	59.1	59.8	54.1	2.47	5	4.5
BMX 63 B4	0.18	1340	0.58	0.70	1.28	2.2	2.8	IE2	64.7	62.5	51.4	3.08	5	5
BMX 63 C4	0.22	1350	0.70	0.69	1.55	2.6	3.6	IE2	67.1	67.0	66.4	3.55	5	5.5
BMX 71 A4	0.25	1400	0.76	0.69	1.7	2	3.6	IE2	68.5	66.3	61.4	5.67	5	7
BMX 71 B4	0.37	1375	1.00	0.74	2.62	2.2	3.86	IE2	72.7	73	70.3	6.57	5	8
BMX 71 C4	0.55	1360	1.43	0.72	3.86	2.4	4.2	IE2	77.1	78.2	75.1	8.39	5	9.5
BMX 80 A4	0.55	1410	1.41	0.72	3.7	2.35	4.3	IE2	77.1	76.4	73.5	13.5	10	13
BMX 80 S4	0.72	1400	1.9	0.7	4.98	2.9	5.3	IE2	79.6	79.5	78	13.5	10	13
BMX 80 B4	0.75	1415	1.97	0.67	5.06	3.1	5.6	IE3	82.5	82.8	81.2	14.5	10	14.5
BMX 90 SA4	1.1	1428	2.6	0.73	7.37	3.4	5.7	IE3	84.1	84.3	82.6	26.0	20	19
BMX 90 LA4	1.5	1430	3.5	0.74	10.01	3.5	6.2	IE3	85.3	85.2	83.6	30.2	20	21.5
BMX 100 S4 (*)(**)	1.85	1432	4	0.78	12.33	2.8	6.9	IE3	86.1	86.5	85.4	44.5	40	25
BMX 100 LA4 (*)(**)	2.2	1440	4.8	0.76	14.5	2.9	7	IE3	86.7	87	85.4	53.4	40	29
BMX 112 MB4	3	1455	6.4	0.77	19.68	4	8.6	IE3	87.7	88.7	87.2	112	60	39
BMX 112 MC4	4	1445	8.4	0.77	26.4	3.7	7.1	IE3	88.6	88.8	87.6	155	60	44
BMX 132 SB4	5.5	1457	11	0.8	36.04	3.5	7.6	IE3	89.6	91.1	89.3	300	100	74
BMX 132 MA4	7.5	1457	14.9	0.82	49.15	3.3	7.9	IE3	90.4	90.7	90.2	350	100	81
BMX 160 MB4	11	1460	22.3	0.78	71.5	3.8	9.1	IE3	91.4	91.6	91.0	680	150	141
BMX 160 LA4	15	1470	30.2	0.78	97.44	3.5	9.1	IE3	92.1	92.3	91.8	850	150	160
BMX 180 LA4	18.5	1475	37.1	0.78	119.77	3.5	9.1	IE3	92.6	92.6	91.65	1750	250	250
BMX 180 LB4	22	1472	41.7	0.82	142.4	4.3	8.6	IE3	93.0	93.0	92.0	1750	250	250
BMX 200 LB4	30	1475	53.2	0.87	194.22	2.9	8.4	IE3	93.6	93.4	93.4	2700	250	275
BMX 225 S4	37	1480	66.2	0.86	238.73	2.7	8.5	IE3	93.9	94.4	91.9	4600	400	400
BMX 225 M4	45	1480	79.3	0.87	290.35	2.8	8.8	IE3	94.2	94.7	92.2	5050	400	415
BMX 250 M4	55	1480	96.6	0.87	354.88	3.2	9.8	IE3	94.6	95.1	92.6	7700	400	630
BMX 280 S4	75	1488	136.4	0.83	481.32	3.6	10.2	IE3	95.0	95.5	95.0	11000	1000	730
BMX 280 M4	90	1488	160.7	0.84	577.59	2.6	9.6	IE3	95.2	95.5	93.2	12600	1000	780
BMX 315 S4	110	1489	193.5	0.86	705.47	2.6	9.2	IE3	95.4	95.9	93.4	26500	1000	1120
BMX 315 M4	132	1489	231.7	0.86	846.57	2.7	9.2	IE3	95.6	96.1	93.6	30500	1000	1320

1. I valori indicati si riferiscono al funzionamento del motore con alimentazione 3~400V 50 Hz, temperatura esterna max 40 °C, altitudine fino a 1000 m s.l.m., servizio continuo (S1). - Motor characteristic values reported in the tables refer to continuous duty (S1), voltage 3~400V 50 Hz, ambient temperature max. 40 °C, altitude up to 1000 m above sea level operating condition.

2. 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 **. - 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 **.

3. Il gruppo freno dei motori della serie BAX è lo stesso del corrispettivo motore della serie BA con la medesima altezza d'asse. - BAX motor series have the same brake components as the BA with the same frame size, therefore the braking performance are the same.

4. Il gruppo freno dei motori della serie BMX è lo stesso del corrispettivo motore della serie BM con la medesima altezza d'asse. - Brake current consumption values refer to a rated voltage of 230V AC single-phase BMX motor series have the same brake components as the BM with the same frame size, therefore the braking performance are the same.

5. 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. - 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.

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

IE2/IE3 - Reg. (EU) 2019/1781 - 50Hz

Motor type	P_N (kW)	RPM 50Hz	In (A) 400 V 50Hz	cos φ	Tn (Nm)	Ts / Tn	Is / In	IE	Efficiency 50Hz			Moment of inertia $Jx10^{-4}kgm^2$	DC brake torque (Nm)	Weight (Kg)
									100%	75%	50%			
6 pole - 1000 RPM														
BMX 63 D6	0.12	865	0.62	0.55	1.3	2.7	1.9	IE2	50.6	50.4	48.5	3.83	5	6
BMX 71A6	0.18	900	0.61	0.69	2.1	2	2.6	IE2	56.6	56.7	52.8	10.0	5	8
BMX 71B6	0.25	875	0.8	0.7	2.8	1.6	2.8	IE2	61.6	62.1	57.4	10.0	5	9.0
BMX 80 A6	0.37	940	1.31	0.57	3.8	2.7	3.5	IE2	67.6	67.5	60.8	19.1	10	12
BMX 80 B6	0.55	920	1.72	0.63	5.7	2.8	3.5	IE2	73.1	72.8	69.2	22.9	10	13
BMX 90 SA6 **	0.75	935	2.1	0.66	7.66	2.5	5.5	IE3	78.9	79.3	77.1	40.0	20	17
BMX 90 LA6 **	1.1	935	3.3	0.61	11.23	3.1	4.6	IE3	81	81.4	79.2	48.1	20	20.5
BMX 100 LA6 **	1.5	955	4	0.66	15.2	3	5.3	IE3	82.5	82.1	79.1	92.6	40	28
BMX 112 MC6 **	2.2	960	5	0.75	21.88	2.4	6.4	IE3	84.3	84.4	82.5	195	60	44
BMX 132 SB6 **	3	965	6.8	0.75	29.68	3.1	8.1	IE3	85.6	85.8	83.8	305	100	66
BMX 132 MA6 **	4	965	9.2	0.72	39.58	3.1	6.7	IE3	86.8	88.2	87.1	361	100	71
BMX 132 MB6 **	5.5	965	12.5	0.72	54.423	3	6.6	IE3	88	88.2	86.6	468	100	82
BMX 160 MB6	7.5	965	15.8	0.76	74.21	3	7.2	IE3	89.1	89.3	88.2	1000	150	145
BMX 160 LB6	11	965	22.9	0.77	108.85	2.7	9.1	IE3	90.3	90.5	88.5	1250	150	170
BMX 180 LB6	15	978	31.3	0.76	147.7	3.1	9.1	IE3	91.2	91.2	90	2300	250	270
BMX 200 LA6	18.5	980	37.4	0.8	180.27	3.7	8.6	IE3	91.7	91.8	89.9	3200	250	275
BMX 200 LB6	22	975	43.1	0.8	215.47	3.1	7.3	IE3	92.2	92.3	90.4	3200	250	275
BMX 225 M6	30	985	57.9	0.8	291.4	3.7	7.7	IE3	92.9	93.2	92.9	7500	400	420
BMX 250 M6	37	980	68.2	0.84	360.5	3.2	7.9	IE3	93.3	93.4	91.5	9790	400	640
BMX 280 S6	45	987	88.8	0.78	436.3	2.8	6	IE3	93.7	93.8	91.9	16500	1000	720
BMX 280 M6	55	987	108.1	0.78	533.2	2.8	6.6	IE3	94.1	94.2	92.3	19500	1000	760
BMX 315 S6	75	988	141.3	0.81	724.91	2.6	7	IE3	94.6	94.7	92.8	33500	1000	1120
BMX 315 M6	90	988	169	0.81	869.90	2.6	7	IE3	94.9	95	93.1	51500	1000	1320
8 pole - 750 RPM														
BMX 71 B8	0.12	680	0.7	0.54	1.7	2.2	2.2	IE2	39.8	40.2	38	6.57	5	8
BMX 80 A8	0.18	690	0.86	0.6	2.49	2.2	2.42	IE2	45.9	46.3	44.1	19.1	10	12
BMX 80 B8	0.25	675	1.1	0.61	3.53	2.2	2.42	IE2	50.6	51	48.8	22.9	10	13
BMX 90 SA8	0.37	690	1.52	0.59	5.12	2.31	3.19	IE2	56.1	56.5	54.3	31.5	20	16.5
BMX 90 LA8	0.55	690	2.3	0.56	7.61	2.31	3.08	IE2	61.7	62.1	59.9	41.7	20	19
BMX 100 LA8	0.75	700	2.6	0.56	10.23	2.31	3.3	IE3	75	75.2	73.2	80.8	40	26
BMX 100 LB8	1.1	700	3.8	0.54	15.00	2.4	4.4	IE3	77.7	77.9	75.9	92.6	40	28
BMX 112 MB8	1.5	720	4.8	0.57	19.89	2.2	4.95	IE3	79.7	79.9	77.9	164	60	39
BMX 132 SB8	2.2	710	5.55	0.7	29.59	2.31	5.17	IE3	81.9	82.1	80.1	284	100	61
BMX 132 MB8	3	710	7.4	0.7	40.35	2.31	5.17	IE3	83.5	83.7	81.7	373	100	68
BMX 160 MA8	4	725	9.6	0.71	52.68	2.53	6.7	IE3	84.8	84.9	83	959	150	138
BMX 160 MB8	5.5	725	13.4	0.69	72.44	2.53	6.71	IE3	86.2	86.3	84.4	959	150	138
BMX 160 LA8	7.5	725	18.3	0.68	98.78	2.53	6.71	IE3	87.3	87.4	85.5	1280	150	156
BMX 180 LB8	11	730	26.1	0.69	143.89	2.4	5.7	IE3	88.6	88.7	86.8	2320	250	230
BMX 200 LA8	15	735	34.7	0.7	194.88	2.09	6.5	IE3	89.6	89.7	87.8	4400	250	275
BMX 225 S8	18.5	740	44	0.67	238.73	2.4	7.5	IE3	90.1	90.1	88.3	7130	400	405
BMX 225 M8	22	735	49.4	0.7	285.83	2.1	7.04	IE3	90.6	90.6	89	7130	400	415
BMX 250 M8	30	740	64.17	0.74	387.14	2.1	6.8	IE3	91.3	91.3	89.5	10200	400	640
BMX 280 S8	37	745	75.64	0.77	474.27	2.2	7	IE3	91.8	91.8	90	20000	1000	720
BMX 280 M8	45	745	90.42	0.78	576.82	2.2	7.2	IE3	92.2	92.2	90.4	23000	1000	760

1. I valori indicati si riferiscono al funzionamento del motore con alimentazione 3~400V 50 Hz, temperatura esterna max 40 °C, altitudine fino a 1000 m s.l.m., servizio continuo (S1). - Motor characteristic values reported in the tables refer to continuous duty (S1), voltage 3~400V 50 Hz, ambient temperature max. 40 °C, altitude up to 1000 m above sea level operating condition.

2. 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 **. - 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 **.

3. Il gruppo freno dei motori della serie BAX è lo stesso del corrispettivo motore della serie BA con la medesima altezza d'asse. - BAX motor series have the same brake components as the BA with the same frame size, therefore the braking performance are the same.

4. Il gruppo freno dei motori della serie BMX è lo stesso del corrispettivo motore della serie BM con la medesima altezza d'asse. - Brake current consumption values refer to a rated voltage of 230V AC single-phase BMX motor series have the same brake components as the BM with the same frame size, therefore the braking performance are the same.

5. 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. - 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.

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

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