

60Hz Premium efficiency (IE3) Continuous Duty

Motor type	Power		RPM	In (A) 230V 60Hz	In (A) 460V 60Hz	In (A) 575V 60Hz	cos φ 100%	Eff. 100%	Eff. 75%	Eff. 50%	Cn		Ts/Tn	Is/In	Code	Max AC brake torque (Nm)
	Hp	kW									Nm	lb In				
2 pole - 3600 RPM																
BAHX 80 A2	1.0	0.75	3465	3.30	1.65	1.32	0.77	77.00	79.30	74.70	2.08	18.4	3.6	5.8	J	18
BAHX 90 SA2	1.5	1.1	3540	4.26	2.13	1.70	0.77	84.00	82.40	77.90	2.97	26.3	4.1	9.3	M	38
BAHX 90 LA2	2.0	1.5	3535	5.64	2.82	2.25	0.78	85.50	85.00	81.20	4.05	35.8	5.0	9.3	M	38
BAHX 100 LA2	3.0	2.2	3532	8.00	4.00	3.20	0.78	86.50	87.56	85.00	5.94	52.6	5.6	10.0	M	50
BAHX 112 MC2	5.0	3.7	3550	12.9	6.45	5.20	0.83	88.50	89.20	87.40	9.95	88.1	6.0	10.8	M	80
BAHX 132 SA2	7.5	5.5	3550	18.0	9.00	7.20	0.82	89.50	88.00	86.70	14.8	131.0	4.2	9.8	L	150
BAHX 132 SB2	10.0	7.5	3550	24.0	12.0	9.60	0.85	90.20	91.00	89.10	20.2	178.8	4.1	9.3	K	150
BAHX 160 MA2	15.0	11.0	3562	36.0	18.0	14.4	0.85	91.00	89.20	88.60	29.5	261.1	5.8	10.3	L	190
BAHX 160 MB2	20.0	15.0	3562	48.8	24.4	19.5	0.85	91.00	90.70	89.30	40.2	355.8	4.2	10.3	M	190
BAHX 160 LA2	25.0	18.5	3562	58.2	29.1	23.3	0.86	91.70	92.90	91.30	49.6	439.0	4.8	10.6	L	190
BAHX 180 LA2	30.0	22.0	3565	68.6	34.3	27.4	0.88	91.70	92.80	91.20	58.9	521.3	5.1	10.4	L	300
BAHX 200 LA2	40.0	30.0	3566	92.6	46.3	37.0	0.86	92.40	92.50	91.30	80.3	710.7	6.2	10.0	L	300
BAHX 200 LB2	50.0	37.0	3564	113.6	56.8	45.4	0.88	93.00	93.20	92.60	99.1	877.1	5.0	9.8	K	300
4 pole - 1800 RPM																
BAHX 80 A4 *	0.75	0.55	1710	2.66	1.33	1.06	0.69	75.50	75.10	72.40	3.07	27.2	3.1	5.3	J	18
BAHX 80 B4	1.0	0.75	1730	3.20	1.60	1.30	0.70	85.50	85.40	83.40	4.14	36.6	3.6	6.6	K	18
BAHX 90 SA4	1.5	1.1	1739	4.60	2.30	1.84	0.68	86.50	85.60	83.30	6.04	53.5	4.1	7.0	K	38
BAHX 90 LA4	2.0	1.5	1739	6.20	3.10	2.50	0.70	86.50	86.50	84.20	8.2	72.6	4.1	7.1	K	38
BAHX 100 LA4	3.0	2.2	1750	8.60	4.30	3.44	0.73	89.50	88.90	87.00	12.0	106.2	4.1	7.4	K	50
BAHX 112 MB4	4.0	3.0	1757	11.2	5.60	4.50	0.75	89.50	89.40	87.40	16.3	144.3	4.2	9.1	M	80
BAHX 112 MC4	5.0	3.7	1757	14.0	7.00	5.60	0.73	89.50	89.40	87.10	20.1	177.9	4.0	8.8	L	80
BAHX 132 SB4	7.5	5.5	1765	19.6	9.80	7.84	0.77	91.70	90.70	89.30	29.8	263.8	4.0	8.7	L	150
BAHX 132 MA4	10.0	7.5	1765	26.4	13.2	10.6	0.78	91.70	92.00	91.10	40.6	359.3	3.7	9.1	L	150
BAHX 160 MA4	12.5	9.2	1770	33.2	16.6	13.3	0.76	91.70	92.10	90.60	49.6	439.0	5.0	9.5	M	190
BAHX 160 MB4	15.0	11.0	1768	39.2	19.6	15.7	0.80	92.40	92.90	92.40	59.4	525.7	4.2	8.3	K	190
BAHX 160 LA4	20.0	15.0	1768	52.6	26.3	21.0	0.77	93.00	93.20	93.00	81.0	716.9	4.1	8.0	K	190
BAHX 180 LA4	25.0	18.5	1778	65.2	32.6	26.1	0.76	93.60	93.30	92.00	99.4	879.8	4.7	8.0	K	300
BAHX 180 LB4	30.0	22.0	1775	75.0	37.5	30.0	0.78	93.60	93.00	92.30	118.4	1047.9	4.0	6.9	H	300
BAHX 200 LB4	40.0	30.0	1777	94.0	47.0	37.6	0.86	94.10	94.30	93.70	162.0	1433.8	3.4	9.4	K	300
BAHX 225 S4	50.0	37.0	1779	115.6	57.8	46.2	0.85	94.50	94.70	94.00	198.6	1757.8	3.3	9.5	K	600
BAHX 225 M4	60.0	45.0	1779	138.4	69.2	55.4	0.86	95.00	95.20	94.20	241.6	2138.3	3.3	9.5	K	600
6 pole - 1200 RPM																
BAHX 90 LA6	1.0	0.75	1140	3.50	1.75	1.40	0.66	82.50	82.20	79.30	6.3	55.8	5.1	8.3	N	38
BAHX 100 LA6	1.5	1.1	1160	6.00	3.00	2.40	0.67	87.50	87.70	84.30	9.1	80.5	5.1	8.3	P	50
BAHX 112 MB6	2.0	1.5	1170	7.20	3.60	2.90	0.67	88.50	88.70	85.30	12.2	108.0	5.1	8.6	N	80
BAHX 132 SB6	3.0	2.2	1172	8.80	4.40	3.52	0.70	89.50	89.70	86.30	17.9	158.4	4.7	8.9	N	150
BAHX 132 MA6	4.0	3.0	1172	12.0	6.00	4.80	0.70	89.50	89.70	87.70	24.4	216.0	4.1	7.5	K	150
BAHX 132 MB6	5.0	3.7	1172	15.6	7.80	6.24	0.66	89.50	89.00	86.70	29.7	266.4	4.1	7.6	L	150
BAHX 160 MA6	7.5	5.5	1175	20.2	10.1	8.10	0.75	91.00	91.10	87.80	44.7	395.6	3.7	8.6	L	190
BAHX 160 MB6	10.0	7.5	1175	28.4	14.2	11.4	0.73	91.00	91.10	87.80	61.0	539.9	3.6	8.3	L	190
BAHX 160 LA6	12.5	9.2	1177	34.0	17.0	13.6	0.71	91.00	91.10	87.80	74.6	660.3	4.8	9.8	M	190
BAHX 160 LB6	15.0	11	1175	39.2	19.6	15.7	0.75	91.70	91.80	88.50	89.4	791.3	4.0	8.7	L	190
BAHX 180 LB6	20.0	15	1175	56.0	28.0	22.4	0.73	91.70	91.80	90.20	121.9	1078.9	3.6	8.9	L	300
BAHX 200 LA6	25.0	18.5	1181	66.6	33.3	26.6	0.75	93.00	93.20	89.80	149.6	1324.1	4.1	8.6	L	300
BAHX 200 LB6	30.0	22	1180	76.2	38.1	30.5	0.78	93.00	93.20	89.80	178.0	1575.4	3.4	7.9	J	300
BAHX 225 M6	40.0	30	1188	101.2	50.6	40.5	0.79	94.10	94.40	94.00	241.2	2134.8	3.6	8.3	K	600
BAHX 250 M6	50.0	37	1188	125.0	62.5	50.0	0.79	94.10	94.40	94.00	297.4	2632.2	3.6	8.3	K	700

The "*" beside the motor type identifies motors with IE2 efficiency class, all the others are IE3 efficiency class motors (Premium). - L'asterisco (*) dopo il tipo motore indica motori con classe di efficienza IE2, tutti gli altri motori hanno classe di efficienza IE3 (Premium).

1. Motor characteristic values reported on the tables, refer to operating conditions at a maximum ambient temperature of 40 °C and an altitude up to 1000 m. above sea level. - I valori indicati si riferiscono al funzionamento del motore con alimentazione a 400V 50 Hz, temperatura esterna max 40°C, altitudine fino a 1000 m s.l.m., servizio continuo (S1).
2. MGM Motori Elettrici S.p.a. has made every effort to make this data complete and accurate. Since products are continuously

being improved, all data is subject to change or correction. The data presented here is for general information to provide an overview of MGM capabilities. For specific applications, installation and operating instructions, certified dimensions, capabilities and performance data, and pricing and availability, contact 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.
3. La massima coppia frenante per un BAHXK 132 e di 120 Nm. - The maximum brake torque for BAHXK 132 motors series is 120 Nm.



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