

**IE2/IE3 - Reg. (EU) 2019/1781 - 60Hz**

Motor type	P <sub>n</sub> (kW)	RPM	I <sub>n</sub> (A) 460 V 60Hz	cos φ	T <sub>n</sub> (Nm)	T <sub>s</sub> / T <sub>n</sub>	I <sub>s</sub> / I <sub>n</sub>	IE	Efficiency 60Hz			Moment of inertia Jx10 <sup>-4</sup> kgm <sup>2</sup>	Max AC brake torque (Nm)	Weight (Kg)
									100%	75%	50%			
<b>2 pole - 3600 RPM</b>														
BAHX 80A2	0.75	3465	1.65	0.77	2.08	3.6	5.8	IE3	77.0	79.3	74.7	11.64	18	15
BAHX 80 B2	1.1	3465	2.48	0.76	3.03	3.7	5.2	IE3	84.0	83.5	81.0	12.96	18	15.5
BAHX 90 SA2	1.5	3500	2.80	0.80	4.18	3.6	9.2	IE3	85.5	84.9	81.9	21.84	38	22
BAHX 90 LA2	2.2	3500	4.26	0.74	5.97	5.8	6.5	IE3	86.5	86.1	83.4	25.11	38	25
BAHX 100 LB2	3.0	3515	5.62	0.77	8.11	5.3	10	IE3	88.5	86.8	84.1	45.8	50	36
BAHX 112 MC2	4.0	3540	6.80	0.84	10.79	4.6	12	IE3	88.5	87.0	84.3	85	80	48
BAHX 132 SA2	5.5	3550	18.0	0.82	14.8	4.2	9.8	IE3	89.5	88.0	86.7	231	150	71
BAHX 132 SB2	7.5	3550	24.0	0.85	20.2	4.1	9.3	IE3	90.2	91.0	89.1	270	150	81
BAHX 160 MA2	11	3562	36.0	0.85	29.5	5.8	10.3	IE3	91.0	89.2	88.6	575	190	165
BAHX 160 MB2	15	3562	48.8	0.85	40.2	4.2	10.3	IE3	91.0	90.7	89.3	575	190	165
BAHX 160 LA2	18.5	3562	58.2	0.86	49.6	4.8	10.6	IE3	91.7	92.9	91.3	675	190	180
BAHX 180 LA2	22	3565	68.6	0.88	58.9	5.1	10.4	IE3	91.7	92.8	91.2	1100	300	250
BAHX 200 LA2	30	3566	92.6	0.86	80.3	6.2	10	IE3	92.5	91.3	80.3	1650	300	300
BAHX 200 LB2	37	3564	113.6	0.88	99.1	5	9.8	IE3	93.2	92.6	92.6	1650	300	300
<b>4 pole - 1800 RPM</b>														
BAHX 80 A4	0.55	1710	1.33	0.69	3.07	3.1	5.3	IE2	75.5	75.1	72.4	17.19	18	15
BAHX 80 S4	0.72	1680	1.74	0.69	4.09	2.7	5.1	IE2	75.5	75.8	74.7	17.19	18	15
BAHX 80 B4	0.75	1730	1.60	0.70	4.14	3.6	6.6	IE3	85.5	85.4	83.4	19.41	18	18
BAHX 90 SA4	1.1	1739	2.30	0.68	6.04	4.1	7.0	IE3	86.5	85.6	83.3	30.53	38	21
BAHX 90 LA4	1.5	1739	3.10	0.70	8.20	4.1	7.1	IE3	86.5	86.5	84.2	30.57	38	23
BAHX 100 LA4	2.2	1750	4.30	0.73	12.0	4.1	7.4	IE3	89.5	88.9	87.0	60.07	50	36
BAHX 112 MB4	3	1757	5.60	0.75	16.3	4.2	9.1	IE3	89.5	89.4	87.4	125.7	80	45
BAHX 112 MC4	4	1755	7.80	0.73	21.7	4.1	8.9	IE3	89.5	89.4	87.1	145	80	50
BAHX 132 SB4	5.5	1765	9.80	0.77	29.8	4.0	8.7	IE3	91.7	90.7	89.3	352	150	86
BAHX 132 MA4	7.5	1765	13.20	0.78	40.6	3.7	9.1	IE3	91.7	92.0	91.1	398	150	95
BAHX 160 MB4	11	1768	19.60	0.8	59.4	4.2	8.3	IE3	92.4	92.9	92.4	737	190	160
BAHX 160 LA4	15	1768	26.30	0.77	81.0	4.1	8.0	IE3	93.0	93.2	93.0	900	190	175
BAHX 180 LA4	18.5	1778	32.60	0.76	99.4	4.7	8.0	IE3	93.6	93.3	92.0	1900	300	250
BAHX 180 LB4	22	1775	37.50	0.78	118.4	4.0	6.9	IE3	93.6	93.0	92.3	1900	300	250
BAHX 200 LB4	30	1777	47.00	0.86	162.0	3.4	9.4	IE3	94.1	94.3	93.7	3000	300	300
BAHX 225 S4	37	1779	57.80	0.85	198.6	3.3	9.5	IE3	94.5	94.7	94.0	4900	600	432
BAHX 225 M4	45	1779	69.20	0.86	241.6	3.3	9.5	IE3	95.0	95.2	94.2	5390	600	465
BAHX 250 M4	55	1785	83.27	0.87	294.2	2.9	9.4	IE3	95.4	95.9	95.0	8000	700	665
BAHX 280 S4	75	1785	120.5	0.82	401.2	3.3	9.58	IE3	95.4	95.9	95.0	11500	1000	770
BAHX 280 M4	90	1785.6	142.8	0.83	481.3	2.4	9.2	IE3	95.4	95.9	95.0	13100	1000	810
BAHX 315 S4	110	1786.8	169.7	0.85	587.9	2.4	8.8	IE3	95.8	96.3	95.4	27000	1000	1200
BAHX 315 M4	132	1786.8	202.9	0.85	705.5	2.5	8.8	IE3	96.2	96.7	95.8	31000	1000	1400

1. I valori indicati si riferiscono al funzionamento del motore con alimentazione 3-460V 60 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 3-460V 60 Hz, ambient temperature max. 40 °C, altitude up to 1000 m above sea level operating condition.

2. Il gruppo freno dei motori della serie BAX è lo stesso del corrispondente motore della serie BA con la medesima altezza d'asse. I valori relativi alla coppia frenante massima indicati in tabella si riferiscono al freno AC, il freno D.C. sulla serie BA-BAX viene fornito solo su richiesta - BAX motor

series have the same brake components as the BA with the same frame size, therefore the braking performance are the same. The maximum brake torque values indicated on the chart refer to AC brake, DC brake on BA-BAX series is available on request only.

3. La massima coppia frenante per un motore BAHXK 132 e di 120 Nm. - The maximum brake torque for BAHXK 132 motors series is 120 Nm.

4. 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.

5. La massima coppia frenante per un BAHXK 132 e di 120 Nm. - The maximum brake torque for BAHXK 132 motors series is 120 Nm.

**IE2/IE3 - Reg. (EU) 2019/1781 - 60Hz**

Motor type	P <sub>n</sub> (kW)	RPM	I <sub>n</sub> (A) 460 V 60Hz	cos φ	T <sub>n</sub> (Nm)	T <sub>s</sub> / T <sub>n</sub>	I <sub>s</sub> / I <sub>n</sub>	IE	Efficiency 60Hz			Moment of inertia Jx10 <sup>-4</sup> kgm <sup>2</sup>	Max AC brake torque (Nm)	Weight (Kg)
									100%	75%	50%			
<b>6 pole - 1200 RPM</b>														
BAHX 80 A6	0.37	1135	1.30	0.56	3.1	3.0	3.5	IE2	64.0	64.1	60.2	23.4	18	14.5
BAHX 80 B6	0.55	1104	1.64	0.62	4.8	3.1	3.5	IE2	68.0	68.3	64.5	27.2	18	15.5
BAHX 160 MB6	7.5	1175	14.2	0.73	61	3.6	8.3	IE3	91.0	91.1	87.8	1100	190	160
BAHX 160 LB6	11	1175	19.6	0.75	89.4	4.0	8.7	IE3	91.7	91.8	88.5	1350	190	180
BAHX 180 LB6	15	1175	28	0.73	121.9	3.6	8.9	IE3	91.7	91.8	90.2	2400	300	280
BAHX 200 LA6	18.5	1181	33.3	0.75	149.6	4.1	8.6	IE3	93.0	93.2	89.8	3500	300	300
BAHX 200 LB6	22	1180	38.1	0.78	178.0	3.4	7.9	IE3	93.0	93.2	89.8	3500	300	300
BAHX 225 M6	30	1188	50.6	0.79	241.2	3.6	8.3	IE3	94.1	94.4	93.3	7800	600	445
BAHX 250 M6	37	1188	62.5	0.79	297.4	3.6	8.3	IE3	94.1	94.4	93.3	10090	700	675
BAHX 280 S6	45	1185	77.7	0.77	362.6	3.1	6.5	IE3	94.5	94.6	93.6	17000	1000	760
BAHX 280 M6	55	1185	95	0.77	443.2	3.1	7.2	IE3	94.5	94.6	93.6	20000	1000	810
BAHX 315 S6	75	1186	124	0.80	603.9	2.9	7.6	IE3	95.0	95.1	93.9	34000	1000	1200
BAHX 315 M6	90	1186	148.8	0.80	724.7	2.9	7.6	IE3	95.0	95.1	93.9	52000	1000	1400
<b>8 pole - 900 RPM</b>														
BAHX 80 A8	0.18	800	0.73	0.67	2.14	2.3	2.7	IE2	46.0	46.4	44.2	23.2	18	14.5
BAHX 80 B8	0.25	800	0.88	0.69	2.98	2.4	2.9	IE2	52.0	52.4	50.2	27.2	18	15.5
BAHX 90 SA8	0.37	820	1.31	0.61	4.30	2.5	3.5	IE2	58.0	58.4	56.2	35.9	38	20
BAHX 90 LA8	0.55	820	1.92	0.58	6.40	2.5	3.5	IE2	62.0	62.4	60.2	46.1	38	22.5
BAHX 100 LA8	0.75	840	2.15	0.58	8.52	2.5	3.8	IE3	75.5	75.9	73.9	87.4	50	33
BAHX 100 LB8	1.1	840	3.14	0.56	12.50	2.6	5.1	IE3	78.5	78.9	76.9	99.2	50	35
BAHX 112 MB8	1.5	860	3.80	0.59	16.65	2.4	6.0	IE3	84.0	84.4	82.4	168	80	45
BAHX 132 SB8	2.2	850	4.49	0.72	24.71	2.5	6.1	IE3	85.5	85.9	83.9	325	150	73
BAHX 132 MB8	3.0	850	6.05	0.72	33.70	2.5	6.1	IE3	86.5	86.9	84.9	413	150	80
BAHX 160 MA8	4.0	870	7.96	0.73	43.90	2.8	7.7	IE3	86.5	86.9	85.0	1030	190	156
BAHX 160 MB8	5.5	870	11.25	0.71	60.37	2.8	7.7	IE3	86.5	86.9	85.0	1030	190	156
BAHX 160 LA8	7.5	870	15.04	0.7	82.32	2.8	7.8	IE3	89.5	89.9	88.0	1360	190	174
BAHX 180 LB8	11.0	876	21.75	0.71	119.91	2.6	6.6	IE3	89.5	89.9	88.0	2460	300	243
BAHX 200 LA8	15.0	882	29.02	0.72	162.40	2.3	7.4	IE3	90.2	90.6	88.7	4700	300	300
BAHX 225 S8	18.5	888	37.35	0.69	198.94	2.6	8.5	IE3	90.2	90.6	88.8	7470	600	480
BAHX 225 M8	22.0	882	41.87	0.72	238.19	2.3	8.0	IE3	91.7	92.1	90.5	7470	600	480
BAHX 250 M8	30.0	888	54.09	0.76	322.62	2.3	7.7	IE3	91.7	92.1	90.3	10500	700	675
BAHX 280 S8	37.0	894	63.69	0.79	395.22	2.4	8.0	IE3	92.4	92.8	91.0	20500	1000	750
BAHX 280 M8	45.0	894	76.50	0.8	480.68	2.4	8.2	IE3	92.4	92.8	91.0	23500	1000	790

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