

Technical data

IE4 General performance cast iron motors

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE4 efficiency class according to IEC 60034-30-1; 2014

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1: 2014			Power factor Cosφ	Current			Torque			Moment of inertia J = 1/4 GD ₂ kgm ₂	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _n A	I _s /I _n	T _N Nm	T _r /T _N	T _b /T _N				
3000 r/min = 2 poles				400 V 50 Hz				CENELEC-design								
0.75	M2BAX 80MA 2	3GBA081310-**-N	2887	83.5	83.9	82.3	0.83	1.56	7.8	2.5	3.6	3.9	0.00108	18	59	
1.1	M2BAX 80MLA 2	3GBA081410-**-N	2884	85.2	86.1	85.2	0.84	2.2	8.0	3.7	3.8	4.0	0.00144	22	59	
1.5	M2BAX 90SA 2	3GBA091110-**-N	2915	86.5	87.4	86.6	0.87	2.9	8.6	4.9	3.3	4.1	0.0027	26	59	
2.2	M2BAX 90SLA 2	3GBA091010-**-N	2925	88.0	88.8	88.2	0.88	4.1	9.6	7.2	3.6	4.7	0.0038	34	60	
3	M2BAX 100LKA 2	3GBA101810-**-N	2892	89.1	90.7	91.1	0.89	5.5	8.2	10.1	3.0	3.8	0.00641	50	59	
4	M2BAX 112MLA 2	3GBA111410-**-N	2893	90.0	88.2	88.6	0.88	7.3	8.3	13.2	2.8	3.6	0.00828	56	62	
5.5	M2BAX 132SA 2	3GBA131110-**-N	2910	90.9	91.4	91.2	0.86	10.1	8.3	18.0	2.4	3.6	0.014	76	65	
7.5	M2BAX 132SMA 2	3GBA131210-**-N	2910	91.7	92.6	92.7	0.89	13.3	8.2	24.6	2.4	3.5	0.0166	88	65	
11	M2BAX 160MLA 2	3GBA161410-**-N	2953	92.6	92.9	92.4	0.88	19.5	8.3	35.6	3.3	4.1	0.0514	143	69	
15	M2BAX 160MLB 2	3GBA161420-**-N	2951	93.3	93.5	92.9	0.89	26.2	10.2	48.5	3.9	4.5	0.063	162	70	
18.5	M2BAX 160MLC 2	3GBA161430-**-N	2942	93.7	94.1	94.0	0.90	31.8	9.6	60.1	3.7	4.1	0.076	175	70	
22	M2BAX 180MLA 2	3GBA181410-**-N	2959	94.0	94.3	93.9	0.88	38.3	8.9	71.0	3.5	4.1	0.126	231	74	
30	M2BAX 200MLA 2	3GBA201410-**-N	2961	94.5	94.7	94.4	0.88	52.1	8.8	96.8	3.6	3.7	0.196	283	79	
37	M2BAX 200MLB 2	3GBA201420-**-N	2962	94.8	95.1	94.8	0.87	64.8	9.2	119	3.2	3.7	0.217	288	78	
45	M2BAX 225SMA 2	3GBA221210-**-N	2976	95.0	95.1	94.5	0.88	78.0	9.5	144	4.1	3.5	0.295	372	81	
55	M2BAX 250SMA 2	3GBA251210-**-N	2974	95.3	95.5	95.0	0.90	93.0	8.4	176.6	3.3	3.6	0.547	459	79	
75	M2BAX 280SMA 2	3GBA281210-**-N	2980	95.6	95.6	94.9	0.87	130	7.3	240	2.5	2.9	0.9	709	77	
90	M2BAX 280SMB 2	3GBA281220-**-N	2981	95.8	95.6	95.0	0.88	154	8.0	288	3.0	3.1	1.15	782	77	
110	M2BAX 315SMA 2	3GBA311210-**-N	2982	96.0	96.0	95.3	0.87	190	6.7	352	1.9	2.6	1.4	1028	77	
132	M2BAX 315SMB 2	3GBA311220-**-N	2986	96.2	96.3	95.9	0.87	228	7.9	422	2.4	3.0	1.7	1096	77	
160	M2BAX 315MLA 2	3GBA311410-**-N	2983	96.3	96.5	96.3	0.89	269	7.3	512	2.2	2.7	2.1	1319	77	
200	M2BAX 315MLB 2	3GBA311420-**-N	2983	96.5	96.9	96.8	0.89	336	6.8	640	1.9	2.6	2.2	1358	77	
250	M2BAX 355SMA 2	3GBA351210-**-N	2983	96.5	96.6	96.2	0.89	420	7.6	800	2.2	2.0	3.4	1590	83	
315	M2BAX 355SMB 2	3GBA351220-**-N	2984	96.5	96.5	95.9	0.88	535	7.8	1008	2.3	2.8	3.6	1668	83	
355	M2BAX 355MLA 2	3GBA351410-**-N	2981	96.5	96.8	96.4	0.89	597	7.5	1137	2.3	2.6	4.1	1845	83	

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 General efficiency class according to IEC 60034-30-1; 2014

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1: 2014			Power factor Cosφ	Current			Torque			Moment of inertia J = 1/4 GD ₂ kgm ₂	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _n A	I _s /I _n	T _N Nm	T _r /T _N	T _b /T _N				
1500 r/min = 4 poles				400 V 50 Hz				CENELEC-design								
0.55	M2BAX 80MLA 4	3GBA082410-**-N	1449	83.9	84.3	82.6	0.81	1.17	7.0	3.6	3.2	3.8	0.0028	22	47	
2.2	M2BAX 100LKA 4	3GBA102810-**-N	1465	89.5	90.9	89.5	0.80	4.4	8.2	14.4	2.2	3.2	0.015	46	53	
3	M2BAX 100LKB 4	3GBA102820-**-N	1464	90.4	91.1	90.7	0.81	5.9	8.3	19.8	2.5	3.5	0.021	52	54	
4	M2BAX 112MLA 4	3GBA112410-**-N	1461	91.1	91.7	91.3	0.79	8.0	8.5	26.4	2.6	3.8	0.0189	62	56	
5.5	M2BAX 132SA 4	3GBA132110-**-N	1475	91.9	91.9	91.0	0.79	10,9	8.4	35.6	3.0	3.8	0.042	83	62	
7.5	M2BAX 132SMA 4	3GBA132210-**-N	1473	92.6	92.9	92.1	0.80	14,7	8.4	48.6	2.5	3.7	0.057	102	64	
11	M2BAX 160MLA 4	3GBA162410-**-N	1478	93.3	93.6	93.0	0.77	22,0	8.2	71.1	3.0	3.9	0.123	181	59	
15	M2BAX 160MLB 4	3GBA162420-**-N	1476	93.9	94.1	93.8	0.74	31,0	8.9	97.1	3.7	4.1	0.127	178	59	
18.5	M2BAX 180MLA 4	3GBA182410-**-N	1484	94.2	94.3	93.5	0.81	35,0	9.2	119	3.5	4.2	0.191	205	65	
22	M2BAX 180MLB 4	3GBA182420-**-N	1484	94.5	94.6	94.0	0.82	41,0	9.2	142	3.5	4.1	0.22	220	65	
30	M2BAX 200MLA 4	3GBA202410-**-N	1488	94.9	94.9	94.1	0.75	60,8	9.3	193	4.3	4.2	0.369	268	64	
37	M2BAX 225SMA 4	3GBA222210-**-N	1483	95.2	95.5	95.3	0.83	67,3	9.0	239	3.8	3.6	0.54	380	64	
45	M2BAX 225SMB 4	3GBA222220-**-N	1481	95.4	95.7	95.6	0.82	82,7	8.7	290	3.8	3.5	0.54	380	64	
55	M2BAX 250SMA 4	3GBA252210-**-N	1485	95.7	95.8	95.3	0.85	97,3	9.9	354	4.7	3.8	0.939	483	69	
75	M2BAX 280SMA 4	3GBA282210-**-N	1487	96.0	96.4	96.1	0.86	131	7.8	481	2.8	2.9	1.85	787	72	
90	M2BAX 280SMB 4	3GBA282220-**-N	1486	96.1	96.3	96.1	0.84	161	8.3	580	3.2	3.4	1.88	811	63	
110	M2BAX 315SMA 4	3GBA312210-**-N	1491	96.3	96.4	96.0	0.85	194	7.9	705	2.4	3.1	2.64	905	66	
132	M2BAX 315SMB 4	3GBA312220-**-N	1489	96.4	96.6	96.1	0.84	235	7.9	846	2.6	3.2	3.02	961	68	
160	M2BAX 315MLA 4	3GBA312410-**-N	1490	96.6	96.8	96.5	0.86	278	7.9	1026	2.7	3.1	3.63	1106	68	
200	M2BAX 315LKA 4	3GBA312810-**-N	1490	96.7	96.9	96.7	0.86	347	7.8	1282	2.4	3.6	4.74	1332	66	
250	M2BAX 355SMA 4	3GBA352210-**-N	1490	96.7	96.9	96.6	0.85	439	7.8	1601	2.5	2.9	6.49	1646	74	
315	M2BAX 355SMB 4	3GBA352220-**-N	1490	96.7	96.9	96.8	0.83	566	7.4	2018	2.8	2.9	7.2	1738	74	
355	M2BAX 355MLA 4	3GBA352410-**-N	1491	96.7	96.9	96.6	0.85	623	7.4	2271	2.7	4.1	8.4	2001	77	

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Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1: 2014			Power factor Cos ϕ	Current			Torque			Moment of inertia J = 1/4 GD ₂ kgm ₂	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _n A	I _s /I _n	T _N Nm	T _r /T _N	T _b /T _N				
1000 r/min = 6 poles				400 V 50 Hz				CENELEC-design								
0.37	M2BAX 80MLA 6	3GBA083410-**-N	956	78.0	77.8	74.4	0.72	0.95	4.8	3.7	2.3	3.0	0.0038	22	46	
0.55	M2BAX 80MLB 6	3GBA083420-**-N	957	80.9	80.5	77.3	0.69	1.42	5.1	5.5	2.7	3.4	0.0044	24	47	
0.75	M2BAX 90SLA 6	3GBA093010-**-N	948	82.7	82.7	81.3	0.72	1.82	4.9	7.6	2.7	3.1	0.0061	32	55	
1.5	M2BAX 100LKA 6	3GBA103810-**-N	969	85.9	85.8	84.2	0.73	3.5	7.3	14.9	2.5	3.6	0.0121	46	47	
2.2	M2BAX 112MLA 6	3GBA113410-**-N	980	87.4	88.1	87.1	0.68	5.4	7.1	21.4	2.3	3.3	0.022	56	46	
3	M2BAX 132SA 6	3GBA133110-**-N	983	88.6	88.9	87.4	0.68	7.2	7.1	29.1	2.2	3.4	0.042	73	57	
4	M2BAX 132SMA 6	3GBA133210-**-N	983	89.5	89.9	88.6	0.68	9.5	7.4	38.9	2.4	3.5	0.053	86	57	
5.5	M2BAX 132SMB 6	3GBA133220-**-N	981	90.5	91.1	90.5	0.71	12.4	7.3	53.5	2.3	3.3	0.068	99	57	
7.5	M2BAX 160MLA 6	3GBA163410-**-N	984	91.3	91.0	89.4	0.75	15.8	7.1	72.8	1.8	3.6	0.133	170	59	
11	M2BAX 160MLB 6	3GBA163420-**-N	980	92.3	92.3	91.7	0.76	22.8	7.3	109	1.9	3.4	0.133	190	59	
15	M2BAX 180MLA 6	3GBA183410-**-N	985	92.9	92.8	91.8	0.71	32.8	7.2	147	2.7	3.7	0.229	227	59	
18.5	M2BAX 200MLA 6	3GBA203410-**-N	990	93.4	93.8	93.4	0.78	36.6	7.6	178	2.9	3.7	0.448	264	62	
22	M2BAX 200MLB 6	3GBA203420-**-N	989	93.7	93.8	93.3	0.79	42.9	7.8	212	3.0	3.8	0.531	291	63	
30	M2BAX 225SMA 6	3GBA223210-**-N	988	94.2	94.5	94.2	0.80	57.6	8.0	290	3.6	3.7	0.813	372	63	
37	M2BAX 250SMA 6	3GBA253210-**-N	991	94.5	94.9	94.6	0.81	69.6	8.1	356	3.4	3.3	1.5	478	62	
45	M2BAX 280SMA 6	3GBA283210-**-N	990	94.8	95.1	94.7	0.84	81.3	8.2	434	3.1	2.8	2.04	634	63	
55	M2BAX 280SMB 6	3GBA283220-**-N	990	95.1	95.4	95.1	0.84	99.9	7.1	530	2.9	2.7	2.57	728	63	
75	M2BAX 315SMA 6	3GBA313210-**-N	994	95.4	95.7	95.0	0.82	138	7.8	721	2.7	3.2	4.76	926	67	
90	M2BAX 315SMB 6	3GBA313220-**-N	993	95.6	95.8	95.3	0.80	170	7.9	865	2.6	3.1	5.19	933	67	
110	M2BAX 315MLA 6	3GBA313410-**-N	993	95.8	96.1	95.8	0.82	202	7.7	1058	2.3	2.7	6.16	1106	68	
132	M2BAX 315LKA 6	3GBA313810-**-N	993	96.0	96.2	96.1	0.83	239	6.8	1270	2.5	3.2	7.16	1288	62	
160	M2BAX 355SMA 6	3GBA353210-**-N	994	96.2	96.2	96.1	0.82	292	7.3	1537	2.5	3.1	9.5	1587	73	
200	M2BAX 355SMB 6	3GBA353220-**-N	994	96.3	96.5	96.0	0.81	370	8.1	1921	2.6	3.2	11.3	1734	73	
250	M2BAX 355MLA 6	3GBA353410-**-N	994	96.5	96.8	96.7	0.83	451	6.2	2403	2.0	3.5	13.2	1984	70	

Technical data

IE3 General performance cast iron motors

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE3 efficiency class according to IEC 60034-30-1; 2014

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1: 2014			Power factor Cos	Current			Torque			Moment of inertia J = 1/4 GD- 2 kgm ₂	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _n A	I _s /I _n	T _N Nm	T _r /T _N	T _b /T _N				
3000 r/min = 2 poles				400 V 50 Hz				CENELEC-design								
0.37	M2BAX 71MC 2	3GBA071330-..D	2819	76.5	76.0	73.4	0.80	0.86	6.6	1.3	2.7	3.2	0.00035	10	50	
0.55	M2BAX 71MB 2	3GBA071320-..D	2816	78.4	78.1	75.9	0.80	1.27	6.1	1.9	2.7	3.2	0.00040	10	49	
0.75	M2BAX 80MC 2	3GBA081330-..D	2891	80.7	81.0	78.9	0.80	1.66	7.5	2.5	2.9	3.7	0.00081	16	58	
1.1	M2BAX 80MD 2	3GBA081340-..D	2860	82.7	83.3	82.6	0.84	2.29	7.6	3.7	3.2	3.6	0.0010	17	60	
1.5	M2BAX 90SB 2	3GBA091120-..D	2899	84.2	84.4	83.4	0.86	2.99	8.3	4.9	2.8	3.7	0.0023	23	59	
2.2	M2BAX 90SLA 2	3GBA091010-..D	2903	85.9	86.1	85.3	0.86	4.30	9.1	7.2	3.3	4.1	0.0030	26	67	
3	M2BAX 100LKA 2	3GBA101810-..D	2904	87.1	88.1	88.3	0.91	5.46	9.3	9.9	2.6	3.4	0.0069	42	62	
4	M2BAX 112MB 2	3GBA111320-..D	2909	88.1	88.6	88.1	0.92	7.12	9.6	13.1	3.5	4.3	0.0071	42	64	
5.5	M2BAX 132SMA 2	3GBA131210-..D	2934	89.2	89.8	89.0	0.82	10.6	8.9	17.9	2.4	4.1	0.014	64	65	
7.5	M2BAX 132SMB 2	3GBA131220-..D	2921	90.1	91.0	90.9	0.84	14.0	9.0	24.5	2.6	4.0	0.017	60	65	
11	M2BAX 160MLA 2	3GBA161410-..F	2943	91.2	92.0	91.6	0.91	19.1	7.2	35.6	2.6	3.6	0.057	121	69	
15	M2BAX 160MLB 2	3GBA161420-..F	2939	91.9	92.1	91.9	0.87	27.1	7.8	48.7	2.8	3.4	0.063	128	69	
18.5	M2BAX 160MLC 2	3GBA161430-..F	2949	92.4	93.0	92.6	0.90	32.0	9.0	59.8	3.3	3.9	0.076	145	73	
22	M2BAX 180MLA 2	3GBA181410-..F	2946	92.7	92.8	92.3	0.87	39.4	9.0	71.4	3.5	3.9	0.073	152	71	
30	M2BAX 200MLA 2	3GBA201410-..F	2959	93.3	93.5	92.9	0.90	51.7	9.5	96.8	3.6	4.0	0.14	250	80	
37	M2BAX 200MLB 2	3GBA201420-..F	2951	93.7	93.9	93.3	0.89	63.9	8.1	120	3.4	3.6	0.16	268	72	
45	M2BAX 225SMA 2	3GBA221210-..F	2960	94.0	94.5	94.6	0.88	78.5	8.9	145	3.6	3.4	0.22	278	76	
55	M2BAX 250SMA 2	3GBA251210-..F	2966	94.3	94.4	94.0	0.87	96.7	7.6	177	3.4	3.1	0.34	335	78	
75	M2BAX 280SMF 2	3GBA281260-..F	2971	94.7	94.7	94.0	0.89	129	7.7	241	2.7	3.3	0.6	527	78	
90	M2BAX 280SMG 2	3GBA281270-..F	2970	95.0	95.3	95.2	0.91	152	8.0	289	3.1	3.3	0.7	576	76	
110	M2BAX 315SMB 2	3GBA311220-..M	2982	95.2	94.9	93.9	0.87	192	7.0	352	1.8	2.7	1.3	801	78	
132	M2BAX 315SMC 2	3GBA311230-..M	2982	95.4	95.4	94.6	0.87	229	6.8	422	2.0	2.8	1.5	852	78	
160	M2BAX 315SMD 2	3GBA311240-..M	2983	95.6	95.6	94.9	0.87	275	7.4	512	2.2	2.8	1.7	909	78	
200	¹⁾ M2BAX 315MLA 2	3GBA311410-..M	2983	95.8	96.0	95.5	0.88	342	7.5	640	2.3	3.1	2.1	1051	81	
250	M2BAX 355SMA 2	3GBA351210-..M	2985	95.8	95.6	94.6	0.89	423	7.7	800	2.1	3.3	3.0	1412	83	
315	M2BAX 355SMB 2	3GBA351220-..M	2980	95.8	95.7	95.0	0.89	529	7.0	1009	2.1	3.0	3.4	1495	83	
355	M2BAX 355SMC 2	3GBA351230-..M	2984	95.8	95.8	95.0	0.88	605	7.2	1136	2.2	3.0	3.6	1565	83	

¹⁾ Temperature rise class F

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				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _S /I _N	T _N Nm	T _r /T _N	T _b /T _N				
1500 r/min = 4 poles				400 V 50 Hz				CENELEC-design								
0.25	M2BAX 71MB 4	3GBA072320--D	1440	73.5	70.1	63.8	0.64	0.78	6.1	1.7	2.7	3.5	0.00075	10	41	
0.37	M2BAX 71MLA 4	3GBA072410--D	1441	77.3	74.9	69.8	0.66	1.06	6.8	2.5	2.7	3.8	0.00098	12	50	
0.55	M2BAX 80MC 4	3GBA082330--D	1445	80.8	80.8	78.1	0.75	1.31	7.8	3.6	2.6	3.9	0.0023	17	48	
0.75	M2BAX 80MLA 4	3GBA082410--D	1427	82.5	82.7	81.5	0.78	1.68	6.7	5.0	2.1	3.2	0.0030	21	49	
1.1	M2BAX 90SB 4	3GBA092120--D	1434	84.1	83.5	82.1	0.73	2.59	7.1	7.3	3.6	4.0	0.0039	23	48	
1.5	M2BAX 90SLA 4	3GBA092010--D	1439	85.3	84.7	82.7	0.78	3.25	8.0	10.0	3.8	4.4	0.0049	25	55	
2.2	M2BAX 100LB 4	3GBA102520--D	1437	86.7	87.6	87.0	0.83	4.38	7.5	14.6	2.7	3.4	0.0086	34	61	
3	M2BAX 100LKA 4	3GBA102810--D	1440	87.7	88.0	87.5	0.82	6.02	8.3	19.9	3.0	3.8	0.012	41	57	
4	M2BAX 112MLA 4	3GBA112410--D	1449	88.6	88.7	87.9	0.80	8.15	9.7	26.5	3.5	4.2	0.015	50	60	
5.5	M2BAX 132SMA 4	3GBA132210--D	1458	89.6	90.2	90.1	0.81	10.9	7.0	36.0	2.3	3.2	0.030	67	68	
7.5	M2BAX 132MLA 4	3GBA132410--D	1456	90.4	90.9	90.6	0.82	14.6	7.6	49.0	2.3	3.4	0.039	84	59	
11	M2BAX 160MLA 4	3GBA162410--F	1477	91.4	91.8	91.1	0.82	21.1	7.6	71.3	2.6	3.3	0.11	136	61	
15	M2BAX 160MLB 4	3GBA162420--F	1472	92.1	92.4	92.1	0.82	28.7	7.9	97.0	2.9	3.3	0.14	161	66	
18.5	M2BAX 180MLA 4	3GBA182410--F	1470	92.6	92.8	92.4	0.79	36.5	9.2	120	3.6	4.1	0.14	169	66	
22	M2BAX 180MLB 4	3GBA182420--F	1470	93.0	93.2	92.9	0.82	41.6	8.9	143	3.7	4.1	0.17	198	65	
30	M2BAX 200MLA 4	3GBA202410--F	1481	93.6	94.0	93.5	0.82	56.3	10.0	193	3.9	3.0	0.32	282	69	
37	M2BAX 225SMA 4	3GBA222210--F	1479	93.9	94.4	94.3	0.84	67.7	7.7	239	3.1	2.9	0.38	278	63	
45	M2BAX 225SMB 4	3GBA222220--F	1481	94.2	94.3	94.0	0.81	85.1	8.2	290	3.7	3.5	0.42	293	67	
55	M2BAX 250SMA 4	3GBA252210--F	1479	94.6	94.7	94.0	0.83	102	10.1	352	4.4	3.4	0.62	386	74	
75	M2BAX 280SMF 4	3GBA282260--F	1481	95.0	95.2	95.1	0.83	137	7.9	484	3.5	3.5	0.96	530	68	
90	M2BAX 280SMG 4	3GBA282270--F	1482	95.2	95.3	95.2	0.85	161	8.4	580	3.8	3.9	1.2	593	68	
110	M2BAX 315SMB 4	3GBA312220--M	1489	95.4	95.4	94.8	0.85	196	7.0	705	2.1	3.0	2.4	823	71	
132	M2BAX 315SMC 4	3GBA312230--M	1488	95.6	95.8	95.3	0.86	231	6.7	847	2.2	2.9	2.9	892	71	
160	M2BAX 315SMD 4	3GBA312240--M	1488	95.8	96.0	95.8	0.85	282	6.9	1026	2.2	3.0	3.2	933	71	
200	M2BAX 315MLB 4	3GBA312420--M	1487	96.0	96.4	96.4	0.86	351	6.8	1284	2.4	3.0	3.9	1091	74	
250	M2BAX 355SMA 4	3GBA352210--M	1491	96.0	96.0	95.6	0.86	435	6.4	1601	2.1	2.9	5.9	1445	78	
315	M2BAX 355SMB 4	3GBA352220--M	1491	96.0	96.0	95.6	0.86	545	6.7	2018	2.3	3.0	6.9	1595	78	
355	M2BAX 355SMC 4	3GBA352230--M	1490	96.0	96.2	95.8	0.86	616	6.3	2273	2.3	2.8	7.2	1635	78	

Technical data

IE3 General performance cast iron motors

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE3 efficiency class according to IEC 60034-30-1; 2014

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1: 2014			Power factor Cos	Current		Torque			Moment of inertia J = 1/4 GD- 2 kgm ₂	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _n A	I _s /I _n	T _N Nm	T _r /T _N	T _b /T _N			
1000 r/min = 6 poles				400 V 50 Hz				CENELEC-design							
0.18	M2BAX 71MB 6	3GBA073320--D	931	63.9	60.0	53.2	0.69	0.60	3.8	1.9	2.1	2.6	0.0010	10	39
0.25	M2BAX 71MLA 6	3GBA073410--D	926	68.6	66.3	60.9	0.67	0.80	4.3	2.6	2.6	2.9	0.0014	13	46
0.37	M2BAX 80MC 6	3GBA083330--D	940	73.5	71.2	66.4	0.67	1.08	5.8	3.8	2.8	3.2	0.0024	17	42
0.55	M2BAX 80MLA 6	3GBA083410--D	943	77.2	75.9	71.9	0.68	1.54	6.3	5.6	3.4	3.5	0.0035	23	48
0.75	M2BAX 90SLA 6	3GBA093010--D	941	78.9	78.0	75.2	0.68	2.02	4.6	7.6	2.4	2.9	0.0044	23	50
1.1	M2BAX 90LB 6	3GBA093520--D	946	81.0	80.0	77.0	0.66	2.97	5.4	11.0	3.0	3.6	0.0064	30	53
1.5	M2BAX 100LKA 6	3GBA103810--D	952	82.5	82.3	80.3	0.72	3.64	5.6	15.1	2.3	3.1	0.0098	37	51
2.2	M2BAX 112MLA 6	3GBA113410--D	951	84.3	84.2	82.6	0.71	5.31	5.8	22.0	2.7	3.5	0.013	46	51
3	M2BAX 132SMA 6	3GBA133210--D	968	85.6	86.1	84.9	0.68	7.40	6.7	29.6	2.1	3.2	0.029	65	48
4	M2BAX 132SMB 6	3GBA133220--D	971	86.8	86.3	84.3	0.70	9.50	6.6	39.4	2.5	3.5	0.034	71	61
5.5	M2BAX 132MLA 6	3GBA133410--D	974	88.0	88.5	88.3	0.67	13.5	5.0	53.9	1.9	2.8	0.051	97	65
7.5	M2BAX 160MLA 6	3GBA163410--F	979	89.1	89.5	88.9	0.75	15.9	7.6	73.4	1.8	3.1	0.099	131	59
11	M2BAX 160MLB 6	3GBA163420--F	976	90.3	91.3	91.3	0.78	22.5	7.8	108	1.9	3.0	0.13	161	57
15	M2BAX 180MLA 6	3GBA183410--F	971	91.2	91.8	91.2	0.75	31.8	9.4	146	2.3	3.6	0.16	197	63
18.5	M2BAX 200MLA 6	3GBA203410--F	979	91.7	91.9	91.1	0.75	38.8	6.9	180	2.2	3.3	0.21	208	62
22	M2BAX 200MLB 6	3GBA203420--F	979	92.2	92.4	92.1	0.76	45.3	6.6	215	2.1	3.1	0.26	251	65
30	M2BAX 225SMA 6	3GBA223210--F	987	92.9	93.2	92.9	0.81	57.4	7.1	290	2.6	2.9	0.59	286	65
37	M2BAX 250SMA 6	3GBA253210--F	986	93.3	93.6	93.1	0.79	72.4	8.5	353	3.3	3.0	0.83	360	64
45	M2BAX 280SMF 6	3GBA283260--F	986	93.7	94.2	93.9	0.80	86.6	7.7	434	3.2	3.0	1.6	524	62
55	M2BAX 280SMG 6	3GBA283270--F	991	94.1	94.3	94.0	0.81	104	7.8	531	3.1	3.1	1.8	563	66
75	M2BAX 315SMB 6	3GBA313220--M	994	94.6	94.9	94.6	0.84	136	6.8	720	1.8	2.6	4.1	791	75
90	M2BAX 315SMC 6	3GBA313230--M	994	94.9	95.1	94.7	0.84	164	7.2	864	2.0	3.0	4.6	859	76
110	M2BAX 315SMD 6	3GBA313240--M	994	95.1	95.3	95.0	0.83	200	7.3	1056	2.2	3.1	4.9	912	75
132	M2BAX 315MLB 6	3GBA313420--M	995	95.4	95.5	95.1	0.82	242	7.3	1266	2.3	3.2	6.3	1068	72
160	M2BAX 355SMA 6	3GBA353210--M	993	95.6	95.9	95.6	0.82	292	6.7	1538	2.5	2.6	7.9	1348	75
200	M2BAX 355SMB 6	3GBA353220--M	993	95.8	96.2	96.1	0.82	365	6.7	1923	2.6	2.5	9.7	1512	75
250	M2BAX 355SMC 6	3GBA353230--M	993	95.8	96.1	95.8	0.81	464	7.7	2404	3.0	3.1	11.3	1656	75