Technical data
IE2 aluminum motors 1000 r/min

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE2 efficiency class according to IEC 60034-30-1; 2014

Output kW		Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014 Full load 100%	3/4 load 75%	1/2 load 50%	Power factor Cos φ	Current I_N A	I_S/I_N	Torque T_N Nm	T_I/T_N	T_b/T_N	Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L_{PA} dB
1000 r/min = 6 poles					400 V 50 Hz				CENELEC-design							
0.09		M3AA 63 A 6	3GAA063311-••C	910	47.1	42.5	32.1	0.56	0.49	2.1	0.94	2.1	2.1	0.00020	4.0	38
0.12		M3AA 63 B 6	3GAA063312-••C	910	57.5	54.0	46.2	0.58	0.51	2.1	1.25	2.1	2.1	0.000270	4.5	38
0.18		M3AA 71 A 6	3GAA073311-••E	885	59.5	61.1	56.5	0.71	0.61	3.1	1.94	1.7	1.9	0.000920	5.5	42
0.25		M3AA 71 B 6	3GAA073312-••E	895	64.0	63.6	59.5	0.71	0.79	3.3	2.6	2.2	2.2	0.00120	6.5	42
0.37		M3AA 80 A 6	3GAA083311-••E	905	68.0	70.7	68.3	0.73	1.07	3.6	3.9	1.6	2.1	0.0020	9.0	47
0.55		M3AA 80 B 6	3GAA083312-••E	905	68.7	71.8	69.7	0.73	1.58	3.3	5.8	1.6	1.8	0.00260	10.0	47
0.75		M3AA 90 LB 6	3GAA093313-••E	930	77.6	76.2	75.6	0.71	1.96	4.0	7.7	2.0	2.3	0.00480	18.0	44
1.1		M3AA 90 LD 6	3GAA093314-••E	935	78.2	79.1	76.5	0.66	3.0	4.2	11.2	2.2	2.6	0.00560	20.0	44
1.5		M3AA 100 LC 6	3GAA103312-••E	945	80.3	81.4	80.7	0.73	3.6	3.9	15.1	1.7	2.0	0.0090	26.0	49
2.2		M3AA 112 MB 6	3GAA113312-••E	955	81.9	82.3	79.8	0.72	5.3	5.2	21.9	1.8	2.2	0.010	34.0	56
3		M3AA 132 SA 6	3GAA133311-••E	960	83.3	83.6	81.7	0.65	7.9	4.3	29.8	1.6	2.3	0.0310	46.0	57
4		M3AA 132 MB 6	3GAA133313-••E	975	86.4	86.3	84.0	0.70	9.5	7.3	39.1	2.1	4.4	0.0450	54.0	57
5.5		M3AA 132 MC 6	3GAA133314-••E	965	86.1	86.1	84.3	0.67	13.7	6.2	54.4	2.5	2.8	0.0490	59.0	61
7.5		M3AA 160 MLA 6	3GAA163031-••G	975	88.5	89.9	89.7	0.79	15.4	7.4	73.4	1.7	3.2	0.0870	98.0	59
11		M3AA 160 MLB 6	3GAA163032-••G	972	89.3	90.6	90.5	0.79	22.5	7.5	108	1.9	2.9	0.114	125	59
15		M3AA 180 MLA 6	3GAA183033-••G	977	90.5	91.5	91.0	0.77	31.0	5.8	146	1.8	2.7	0.168	148	59
18.5		M3AA 200 MLA 6	3GAA203031-••G	988	91.6	92.2	91.7	0.80	36.4	6.7	178	2.3	2.9	0.382	196	63
22		M3AA 200 MLB 6	3GAA203032-••G	987	92.0	92.9	92.7	0.82	42.0	6.6	212	2.2	2.8	0.448	218	63
30		M3AA 225 SMA 6	3GAA223031-••G	986	92.6	93.3	92.8	0.83	56.2	7.0	290	2.6	2.9	0.663	266	63
37		M3AA 250 SMA 6	3GAA253031-••G	989	93.1	93.8	93.4	0.82	69.9	6.8	357	2.4	2.7	1.13	294	63
45	1)	M3AA 280 SMA 6	3GAA283031-••G	988	93.2	94.0	93.9	0.84	82.9	6.8	434	2.4	2.6	1.37	378	63
55	1)	M3AA 280 SMB 6	3GAA283032-••G	988	93.2	94.1	94.0	0.84	101	7.1	531	2.6	2.8	1.50	404	63

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1000 r/min = 6 poles					400 V 50 Hz				High-output design							
15		M3AA 160 MLC 6	3GAA163033-••G	971	89.7	91.2	91.2	0.77	31.3	7.3	147	1.8	3.6	0.131	138	59
18.5		M3AA 180 MLB 6	3GAA183034-••G	975	90.7	92.0	92.0	0.79	37.2	5.8	181	1.7	2.7	0.198	162	59
30	1)	M3AA 200 MLC 6	3GAA203033-••G	985	92.0	93.1	92.8	0.83	56.7	6.9	290	2.3	2.8	0.531	245	63
37		M3AA 225 SMB 6	3GAA223034-••G	985	93.1	94.0	94.0	0.83	69.1	6.6	358	2.3	2.6	0.821	300	63
45		M3AA 250 SMB 6	3GAA253032-••G	989	93.4	94.1	93.9	0.83	83.7	7.0	434	2.5	2.7	1.37	341	63
45	1)	M3AA 225 SMC 6	3GAA223033-••G	984	92.6	93.9	94.0	0.83	84.4	6.4	436	2.3	2.6	0.821	300	63
55	1)	M3AA 250 SMC 6	3GAA253033-••G	988	93.2	94.1	94.0	0.84	101	7.1	531	2.6	2.8	1.50	367	63

[1] Temperature rise class F