Technical data
IE2 aluminum motors, 3000 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 GD^2kgm^2	Weight kg	Sound pressure Level L_{PA} dB
3000 r/min = 2 poles					400 V 50 Hz				CENELEC-design							
0.18		M3AA 63 A 2	3GAA061311-••C	2820	75.0	72.0	66.1	0.62	0.6	4.2	0.6	3.5	3.1	0.000130	3.9	54
0.25		M3AA 63 B 2	3GAA061312-••C	2810	78.6	77.0	69.6	0.69	0.7	4.5	0.84	3.6	3.3	0.000160	4.4	54
0.37		M3AA 71 A 2	3GAA071311-••E	2800	73.8	75.8	73.9	0.76	1.0	4.9	1.26	2.7	2.7	0.000350	4.9	58
0.55		M3AA 71 B 2	3GAA071312-••E	2790	78.4	79.8	78.7	0.78	1.3	5.3	1.88	2.9	2.8	0.000450	5.9	58
0.75		M3AA 80 B 2	3GAA081312-••E	2895	80.6	80.4	77.3	0.79	1.7	8.1	2.4	3.7	3.9	0.00090	10.5	60
1.1		M3AA 80 C 2	3GAA081313-••E	2875	80.6	80.4	77.9	0.80	2.4	7.8	3.6	3.6	3.5	0.00120	11.0	60
1.5		M3AA 90 L 2	3GAA091312-••E	2900	84.1	85.0	83.5	0.86	2.9	7.6	4.9	2.5	3.3	0.00240	16.0	60
2.2		M3AA 90 LB 2	3GAA091313-••E	2875	84.6	85.7	85.5	0.85	4.4	6.9	7.3	2.8	3.2	0.00270	18.0	63
3		M3AA 100 LB 2	3GAA101312-••E	2920	86.4	86.0	83.9	0.86	5.8	9.3	9.8	3.3	3.9	0.0050	25.0	62
4		M3AA 112 MB 2	3GAA111312-••E	2885	86.1	87.0	88.0	0.88	7.6	7.6	13.2	2.5	2.8	0.00620	30.0	68
5.5		M3AA 132 SBB 2	3GAA131312-••E	2915	88.0	88.5	87.6	0.82	11.0	7.9	18.0	2.6	3.6	0.0160	52.0	73
7.5		M3AA 132 M 2	3GAA131313-••E	2915	88.5	88.7	88.1	0.87	14.0	7.6	24.5	2.2	3.2	0.0220	52.0	73
11		M3AA 160 MB 2	3GAA161312-••E	2900	90.3	90.8	90.4	0.87	20.2	8.5	36.2	2.7	3.7	0.0187	79.0	68
11		M3AA 160 MLA 2	3GAA161031-••G	2938	90.6	91.5	91.1	0.90	19.2	7.5	35.7	2.4	3.1	0.0440	91.0	69
15		M3AA 160 M 2	3GAA161313-••E	2905	90.4	90.7	89.8	0.84	28.5	9.1	49.3	3.3	4.0	0.020	83.0	69
15		M3AA 160 MLB 2	3GAA161036-••G	2934	91.5	92.4	92.2	0.90	26.0	7.5	48.8	2.5	3.3	0.0530	105	69
18.5		M3AA 160 LB 2	3GAA161315-••E	2895	91.1	92.2	92.4	0.89	32.9	9.7	61.0	3.2	4.3	0.0256	95.0	68
18.5		M3AA 160 MLC 2	3GAA161037-••G	2932	92.0	93.1	93.1	0.92	31.5	7.5	60.2	2.9	3.4	0.0630	123	69
22		M3AA 180 MLA 2	3GAA181031-••G	2952	92.2	92.7	92.2	0.87	39.5	7.7	71.1	2.8	3.3	0.0760	132	69
30		M3AA 200 MLA 2	3GAA201035-••G	2956	93.1	93.5	92.8	0.90	51.6	7.7	96.9	2.7	3.1	0.178	210	72
37		M3AA 200 MLB 2	3GAA201036-••G	2959	93.4	93.7	92.9	0.90	63.5	8.2	119	3.0	3.3	0.196	225	72
45		M3AA 225 SMA 2	3GAA221031-••G	2961	93.6	93.9	93.1	0.88	78.8	6.7	145	2.5	2.5	0.244	263	74
55		M3AA 250 SMA 2	3GAA251031-••G	2967	94.1	94.4	93.8	0.88	95.8	6.8	177	2.2	2.7	0.507	304	75
75		M3AA 280 SMA 2	3GAA281031-••G	2968	94.4	94.7	94.3	0.89	128	7.1	241	2.5	2.8	0.583	389	75
90	[1]	M3AA 280 SMB 2	3GAA281032-••G	2971	94.9	95.2	94.7	0.89	153	7.8	289	2.6	3.2	0.644	425	75

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3000 r/min = 2 poles					400 V 50 Hz				High-output design							
11		M3AA 132 SMB 2	3GAA131315-••E	2900	90.3	90.8	90.4	0.87	20.2	8.5	36.2	2.7	3.7	0.0187	77.0	68
15		M3AA 132 SMC 2	3GAA131316-••E	2905	90.4	90.7	89.8	0.84	28.5	9.1	49.3	3.3	4.0	0.020	81.0	69
18.5		M3AA 132 SME 2	3GAA131317-••E	2895	91.1	92.2	92.4	0.89	32.9	9.7	61.0	3.2	4.3	0.0256	93.0	68
22		M3AA 160 MLD 2	3GAA161034-••G	2933	91.7	92.8	92.8	0.90	38.0	8.1	71.6	3.2	3.6	0.0630	123	69
27		M3AA 160 MLE 2	3GAA161035-••G	2939	92.2	93.1	93.0	0.90	46.4	8.8	87.7	3.4	3.8	0.0720	145	69
30		M3AA 180 MLB 2	3GAA181032-••G	2950	92.7	93.5	93.3	0.88	53.0	7.9	97.1	2.8	3.3	0.0920	149	69
45		M3AA 200 MLC 2	3GAA201033-••G	2957	93.3	93.8	93.2	0.88	79.1	8.1	145	3.1	3.3	0.196	225	72
55	[1]	M3AA 200 MLD 2	3GAA201034-••G	2953	93.8	94.4	94.3	0.89	95.0	7.8	177	2.9	3.3	0.217	241	72
55		M3AA 225 SMB 2	3GAA221032-••G	2961	93.9	94.3	93.6	0.88	96.0	6.5	177	2.4	2.5	0.274	286	74
75	[1]	M3AA 225 SMC 2	3GAA221033-••G	2969	94.4	94.6	94.0	0.84	136	7.4	241	3.2	3.1	0.309	312	74
75		M3AA 250 SMB 2	3GAA251032-••G	2970	94.5	94.8	94.4	0.89	128	7.6	241	2.8	3.1	0.583	351	75
80	[1]	M3AA 225 SMD 2	3GAA221034-••G	2964	94.4	94.8	94.3	0.87	140	7.3	257	3.0	2.8	0.329	317	74
90	[1]	M3AA 250 SMC 2	3GAA251033-••G	2971	95.0	95.3	94.9	0.89	153	7.6	289	2.5	3.1	0.644	386	75

[1] Temperature rise class F