

Technical data

IE2 aluminum motors, 1500 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			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 _v /T _N
1500 r/min = 4 poles				400 V 50 Hz				CENELEC-design							
0.12	M3AA 63 A 4	3GAA062311-••C	1400	65.5	60.4	51.7	0.57	0.46	3.1	0.81	2.7	2.8	0.000190	4.0	40
0.18	M3AA 63 B 4	3GAA062312-••C	1380	67.3	63.9	56.7	0.62	0.62	3.1	1.24	2.5	2.6	0.000260	4.5	40
0.25	M3AA 71 A 4	3GAA072311-••E	1365	65.1	66.0	62.7	0.76	0.72	4.0	1.74	2.0	2.1	0.000660	5.2	45
0.37	M3AA 71 B 4	3GAA072312-••E	1375	69.7	71.9	71.1	0.79	0.96	3.8	2.5	2.0	2.2	0.00080	5.9	45
0.55	M3AA 80 A 4	3GAA082311-••E	1375	72.8	76.1	75.2	0.77	1.41	4.5	3.8	1.8	2.2	0.00190	8.5	50
0.75	M3AA 80 E 4	3GAA082315-••E	1425	79.8	80.4	77.9	0.72	1.88	6.6	5.0	3.5	3.6	0.0020	15.0	54
1.1	M3AA 90 LB 4	3GAA092314-••E	1435	83.7	84.1	83.0	0.78	2.4	6.6	7.3	2.9	3.2	0.00430	16.0	50
1.5	M3AA 90 LD 4	3GAA092315-••E	1435	84.2	84.1	81.9	0.76	3.3	7.0	9.9	3.1	3.5	0.00480	17.0	50
2.2	M3AA 100 LC 4	3GAA102313-••E	1450	86.4	86.2	84.1	0.79	4.6	7.3	14.4	2.8	3.4	0.0090	25.0	54
3	M3AA 100 LD 4	3GAA102314-••E	1445	85.7	86.1	85.1	0.79	6.3	7.0	19.8	2.4	3.0	0.0110	28.0	63
4	M3AA 112 MB 4	3GAA112312-••E	1445	86.7	86.5	85.2	0.75	8.8	7.3	26.4	3.1	3.4	0.0126	34.0	64
5.5	M3AA 132 M 4	3GAA132312-••E	1465	89.0	89.8	89.1	0.79	11.2	6.3	35.8	1.9	2.6	0.0380	48.0	66
7.5	M3AA 132 MA 4	3GAA132314-••E	1460	89.1	89.9	89.5	0.79	15.3	6.4	49	1.8	2.6	0.0480	59.0	63
11	M3AA 160 MLA 4	3GAA162031-••G	1466	90.4	91.6	91.3	0.84	20.9	6.8	71.6	2.2	2.8	0.0810	99.0	62
11	M3AA 160 MB 4	3GAA162312-••E	1460	90.4	91.0	90.1	0.79	22.2	7.7	71.9	2.1	3.1	0.0433	85.0	65
15	M3AA 160 MLB 4	3GAA162032-••G	1470	91.4	92.3	92.2	0.83	28.5	7.1	97.4	2.6	3.0	0.0990	118	62
15	M3AA 160 LB 4	3GAA162314-••E	1455	90.6	91.3	91.1	0.77	31.0	7.1	98.4	2.4	2.9	0.0517	84.0	67
18.5	M3AA 180 MLA 4	3GAA182031-••G	1477	91.9	92.8	92.6	0.84	34.5	7.2	119	2.6	2.9	0.166	146	62
22	M3AA 180 MLB 4	3GAA182032-••G	1475	92.3	93.3	93.2	0.84	40.9	7.3	142	2.6	3.0	0.195	163	62
30	M3AA 200 MLA 4	3GAA202031-••G	1480	93.2	94.0	93.7	0.84	55.3	7.4	193	2.8	3.0	0.309	218	63
37	M3AA 225 SMA 4	3GAA222031-••G	1479	93.4	93.9	93.4	0.84	68.0	7.1	238	2.6	2.9	0.356	240	66
45	M3AA 225 SMB 4	3GAA222032-••G	1480	93.9	94.3	93.9	0.85	81.3	7.5	290	2.8	3.2	0.440	273	66
55	M3AA 250 SMA 4	3GAA252031-••G	1480	94.4	94.9	94.6	0.85	98.9	7.0	354	2.6	2.9	0.765	314	67
75	¹⁾ M3AA 280 SMA 4	3GAA282031-••G	1478	94.3	94.9	94.6	0.85	135	7.1	484	2.8	3.0	0.866	389	67
90	¹⁾ M3AA 280 SMB 4	3GAA282032-••G	1478	94.6	95.4	95.2	0.84	163	7.7	581	3.2	3.4	0.941	418	67

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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 _v /T _N
1500 r/min = 4 poles				400 V 50 Hz				High-output design							
11	M3AA 132 SMB 4	3GAA132315-••E	1460	90.4	91.0	90.1	0.79	22.2	7.7	71.9	2.1	3.1	0.0433	83.0	65
15	¹⁾ M3AA 132 SMD 4	3GAA132316-••E	1455	90.6	91.3	91.1	0.77	31.0	7.1	98.4	2.4	2.9	0.0517	82.0	67
18.5	M3AA 160 MLC 4	3GAA162033-••G	1469	91.4	92.4	92.2	0.84	34.7	7.6	120	3.0	3.2	0.110	127	62
22	M3AA 160 MLD 4	3GAA162034-••G	1463	91.6	93.0	93.2	0.85	40.7	6.9	143	2.5	2.9	0.125	140	62
30	¹⁾ M3AA 180 MLC 4	3GAA182033-••G	1474	92.2	93.5	93.5	0.83	56.5	7.3	194	2.7	2.9	0.217	177	62
37	M3AA 200 MLB 4	3GAA202032-••G	1479	93.4	94.4	94.4	0.85	67.2	7.1	238	2.6	2.9	0.343	234	63
45	¹⁾ M3AA 200 MLC 4	3GAA202033-••G	1479	93.6	94.4	94.2	0.83	83.6	7.5	290	2.9	3.2	0.366	246	63
55	M3AA 225 SMC 4	3GAA222033-••G	1478	94.0	94.6	94.4	0.85	99.3	7.4	355	2.9	3.1	0.474	287	66
64	M3AA 225 SMD 4	3GAA222034-••G	1480	94.2	94.6	94.1	0.85	115	8.2	412	3.3	3.3	0.542	314	66
75	¹⁾ M3AA 250 SMB 4	3GAA252032-••G	1478	94.4	95.1	94.8	0.85	134	7.3	484	2.8	3.1	0.866	350	67
90	¹⁾ M3AA 250 SMC 4	3GAA252033-••G	1478	94.6	95.3	95.0	0.84	163	7.4	581	3.1	3.3	0.941	377	67

¹⁾ Temperature rise class F