

Totally enclosed squirrel cage three phase motors, aluminium frame

IP 55 IC 411 two-speed motors

400 V 50 Hz¹⁾

Output kW	Motor type M2AA	Product code 3GAA	Speed r/min	Efficiency %	Power factor cos φ	Current		Torque			Moment of inertia J=1/4 GD ² kgm ²	Weight kg
						I _N A	I _S / I _N	T _N Nm	T _S / T _N	T _{max} / T _N		
3000/1500 r/min = 2/4 poles												
Fan drive, two separate windings												
0.37/0.07	71 B	078 202-●	2810/1450	64/43	0.90/0.62	1.0/0.4	3.5/2.9	1.2/0.46	1.0/1.1	1.7/2.2	0.0005	6.5
0.65/0.10	80 A	088 201-●	2860/1460	68/40	0.86/0.62	1.6/0.6	4.1/2.8	2.1/0.65	1.2/1.1	2.0/2.2	0.0009	9
0.9/0.15	80 B	088 202-●	2870/1460	73/45	0.87/0.66	2.1/0.75	4.8/2.8	3.0/1.0	1.5/1.0	2.2/2.3	0.0011	10
1.4/0.22	90 S	098 201-●	2870/1470	77/48	0.89/0.63	3.0/1.1	5.3/3.3	4.6/1.4	1.7/1.0	2.4/2.7	0.0019	13
1.9/0.3	90 L	098 202-●	2880/1470	78/58	0.89/0.68	4.0/1.1	5.8/3.7	6.3/1.9	1.9/1.0	2.5/2.3	0.0024	16
2.5/0.4	100 L	108 201-●	2900/1470	80/60	0.87/0.67	5.2/1.5	6.5/4.1	8.2/2.6	2.1/1.0	3.0/2.7	0.0041	21
3.5/0.6	112 M	118 204-●	2895/1470	83.0/68.0	0.92/0.60	6.6/2.1	7.0/5.8	11.5/3.9	1.7/1.8	2.3/2.8	0.012	32
5.5/1.0	132 S	138 207-●	2900/1470	84.0/64.0	0.88/0.65	10.8/3.5	7.8/5.7	18.1/6.5	2.4/2.0	2.9/2.8	0.016	42
7.4/1.2	132 M	138 208-●	2875/1475	85.0/67.0	0.93/0.64	13.5/4.1	7.5/5.9	24.6/7.8	2.1/2.0	2.6/2.8	0.022	56
13/1.9	160 M	168 352-●	2940/1470	88.5/79.5	0.92/0.79	23.0/4.4	7.8/6.4	42/12	2.1/2.1	3.0/2.5	0.054	92
17.5/2.5	160 L	168 353-●	2925/1475	89.0/81.0	0.92/0.77	31.0/5.8	7.1/6.7	57/16	2.0/2.5	2.6/2.9	0.057	99
20/2.8	180 M	188 357-●	2930/1465	89.0/77.0	0.90/0.77	36.0/6.9	6.4/5.8	65/18	2.1/1.9	2.4/2.0	0.094	132
25/3.6	180 L	188 358-●	2940/1465	90.0/78.0	0.88/0.78	46.0/8.6	7.5/7.3	81/24	2.6/1.9	2.9/1.9	0.108	152
30/4.1	200 MLA	208 210-●	2945/1480	91.5/85.0	0.89/0.72	54/10	8.0/7.1	97/26	2.2/2.7	2.8/2.8	0.15	175
38/5.5	200 MLB	208 211-●	2945/1480	92.5/86.5	0.91/0.74	67/13	7.7/6.8	123/35	2.2/2.6	2.6/2.6	0.19	205
43/6	225 SMB	228 207-●	2950/1475	92.5/86.5	0.90/0.78	75/13	7.1/5.8	139/39	2.3/2.7	2.4/2.0	0.26	235
50/7	225 SMC	228 208-●	2955/1480	93.0/87.5	0.91/0.78	86/15	7.3/6.1	162/45	2.4/2.9	2.4/2.1	0.29	260
70/10	250 SMB	258 204-●	2965/1485	94.0/89.5	0.90/0.76	119/22	9.3/7.1	225/64	2.3/2.5	3.1/2.3	0.57	330

3000/1500 r/min = 2/4 poles

Fan drive, Dahlander-connection

0.55/0.11	71 B	078 102-●	2800/1440	68/50	0.85/0.62	1.4/0.5	4.0/3.0	1.8/0.73	1.5/1.4	2.0/2.4	0.0005	6.5
0.65/0.13	71 C	078 103-●	2800/1440	70/55	0.87/0.62	1.6/0.55	4.1/3.0	2.2/0.86	1.6/1.4	2.1/2.4	0.0006	7.5
0.75/0.15	80 A	088 101-●	2850/1460	73/57	0.80/0.57	1.9/0.67	4.5/3.5	2.5/0.98	1.8/1.4	2.4/2.4	0.0009	9
1.1/0.23	80 B	088 102-●	2860/1460	76/63	0.83/0.60	2.6/0.88	5.0/3.7	3.8/1.5	1.8/1.3	2.4/2.4	0.0011	10
1.4/0.3	80 C	088 103-●	2840/1450	75/67	0.86/0.64	3.1/1.0	5.0/3.7	4.7/2.0	1.8/1.2	2.4/2.5	0.0013	11
1.5/0.33	90 S	098 101-●	2860/1460	77/66	0.87/0.67	3.3/1.1	5.2/3.9	5.0/2.1	1.8/1.1	2.4/2.4	0.0019	13
2.2/0.45	90 L	098 102-●	2860/1460	80/73	0.88/0.65	4.6/1.4	5.9/4.4	7.3/2.9	2.1/1.2	2.6/2.6	0.0024	16
2.5/0.47	90 LB	098 103-●	2860/1460	78/75	0.88/0.62	5.2/1.5	6.1/4.5	8.3/3.1	2.2/1.4	2.7/2.8	0.0027	18
3.0/0.6	100 L	108 101-●	2880/1470	81/74	0.89/0.61	6.2/1.9	6.3/4.8	9.9/3.9	2.2/1.4	2.8/2.8	0.0041	21
3.5/0.7	100 LB	108 102-●	2880/1470	80/77	0.91/0.65	7.0/2.0	6.2/4.8	12/4.6	2.1/1.2	2.8/3.0	0.005	25
4.5/1	112 M	118 104-●	2875/1450	83.0/80.0	0.93/0.76	8.4/2.4	7.0/6.0	14.9/6.6	1.8/1.9	2.3/2.8	0.012	32
6.2/1.3	132 S	138 127-●	2880/1455	84.0/80.0	0.91/0.67	11.8/3.5	7.0/6.5	20.6/8.5	2.0/2.6	2.6/3.3	0.016	42
8.3/1.7	132 M	138 108-●	2875/1455	84.0/82.0	0.93/0.71	15.4/4.2	7.4/6.6	27.6/11.2	2.5/2.7	2.7/3.3	0.022	56
10/2	160 MA	168 301-●	2910/1465	85.0/83.5	0.89/0.73	19.0/4.8	5.9/6.1	30/43	1.5/2.4	2.3/2.8	0.039	73
16/3.2	160 M	168 302-●	2915/1465	87.5/86.5	0.92/0.76	28.5/7.0	6.6/6.3	52/21	1.8/2.5	2.4/2.8	0.054	92
19.5/4.5	160 L	168 303-●	2930/1465	89.0/88.0	0.89/0.77	36/9.7	7.6/6.4	64/29	2.3/2.5	2.9/2.8	0.057	99
21.5/4.7	180 M	188 305-●	2935/1465	90.0/88.0	0.91/0.77	38/10	7.0/5.3	70/28	2.1/2.1	2.6/2.3	0.094	132
26/5.2	180 L	188 306-●	2940/1470	90.5/89.5	0.89/0.75	47/11	6.9/5.8	85/34	2.3/2.4	2.6/2.4	0.108	152
32/8	200 MLA	208 110-●	2940/1465	90.0/89.0	0.89/0.85	58/16	7.1/6.2	104/52	2.0/2.0	2.5/2.2	0.28	180
39/10	200 MLB	208 111-●	2950/1475	91.5/91.0	0.89/0.85	69/19	7.4/6.2	126/65	2.0/2.0	2.6/2.3	0.34	205
42/11	200 MLC	208 112-●	2950/1470	92.5/91.0	0.89/0.77	75/23	7.7/5.6	136/71	2.2/2.1	3.0/2.5	0.19	205
45/13	225 SMB	228 107-●	2955/1475	93.0/91.5	0.92/0.82	76/25	7.4/5.3	145/84	2.0/2.0	2.6/2.1	0.27	235
55/15	225 SMC	228 108-●	2955/1475	93.5/92.5	0.91/0.82	94/29	7.3/5.4	178/97	2.0/2.0	2.6/2.2	0.30	260
75/25	250 SMB	258 104-●	2965/1475	94.5/93.0	0.92/0.82	125/48	8.9/5.5	241/162	2.3/2.0	3.1/2.2	0.36	330

¹⁾ Sizes 63 to 100 voltage code H.
 Sizes 112 to 250 voltage code D.

The bullet indicates a 3-letter product code supplement for choice of mounting arrangement (page 11, pos. 12), voltage and frequency (below) and generation code (page 11, pos. 14).

Code letters for supplementing the product code

Motor size	Code letter for voltage and frequency						
	A	S	B	D	H	E	X
63-100	-	220-230 V	-	380-400 V ¹⁾	400-415 V	500 V	Other rated voltage or frequency, 690 V maximum
112-132	-	220-230 V	-	380-400 V	400-415 V	500 V	
160-250	220 V	230 V	380 V	400 V	415 V	500 V	

¹⁾ Restamping from code H. Note that this results in a certain reduction of output. Rated output on request.