

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	I _S	T _N	T _S	T _{max}		
						A	I _N	Nm	T _N	T _N		
1500/750 r/min = 4/8 poles						Fan drive, two separate windings						
0.45/0.07	80 A	088 207-●	1380/710	66/34	0.83/0.65	1.3/0.47	3.3/2.0	3.0/0.94	1.3/1.2	1.8/1.8	0.0017	8.5
0.65/0.09	80 B	088 208-●	1380/710	69/34	0.84/0.67	1.7/0.56	3.6/2.0	4.4/1.2	1.6/1.0	1.9/1.8	0.0021	9.5
1.0/0.13	90 S	098 207-●	1400/700	71/38	0.83/0.70	2.6/0.72	3.9/2.1	6.8/1.8	1.5/1.0	2.0/1.8	0.0032	13
1.4/0.18	90 L	098 208-●	1420/710	74/41	0.81/0.62	3.5/1.0	4.5/2.3	9.4/2.4	1.7/1.1	2.3/2.1	0.0043	16
1.85/0.25	100 LA	108 206-●	1430/720	78/45	0.84/0.60	4.2/1.4	4.9/2.5	12.0/3.3	1.7/1.1	2.3/2.2	0.0069	20
2.3/0.33	100 LB	108 207-●	1430/720	80/49	0.86/0.60	5.0/1.6	5.2/2.6	15.0/4.3	1.8/1.1	2.4/2.2	0.0082	23
3.0/0.4	112 M	118 206-●	1440/730	81.0/51.0	0.87/0.58	6.2/2.0	6.8/3.8	19.9/5.2	1.5/1.6	2.4/2.6	0.018	32
4.0/0.6	132 S	138 231-●	1465/740	84.0/51.0	0.84/0.53	8.2/3.2	6.5/3.5	26.1/7.7	1.5/1.1	2.4/2.5	0.038	48
5.5/0.9	132 M	138 232-●	1455/735	84.0/53.0	0.87/0.64	10.9/3.9	6.2/3.1	36.1/11.7	1.5/1.1	2.2/2.0	0.048	59
9/1.3	160 M	168 356-●	1460/735	87.0/60.0	0.84/0.53	18/5.9	6.6/4.0	59/17	2.0/2.2	2.5/2.7	0.089	92
13/1.8	160 L	168 357-●	1455/735	88.0/64.0	0.85/0.53	26/8.2	6.0/4.1	89/26	1.9/2.2	2.3/2.6	0.119	117
16/2.3	180 M	188 361-●	1475/740	88.5/64.0	0.82/0.53	32/9.7	6.8/4.1	104/30	2.2/2.2	2.7/2.6	0.176	130
19/2.7	180 L	188 362-●	1475/740	89.5/68.0	0.83/0.54	37/10.5	7.5/7.2	123/35	2.6/2.6	2.9/2.6	0.224	159
26/3.3	200 MLA	208 216-●	1475/740	91.0/73.0	0.85/0.59	49.0/11.0	6.9/4.6	168/46	2.1/2.2	2.5/2.3	0.28	180
30/3.8	200 MLB	208 217-●	1470/740	91.5/75.5	0.86/0.59	55.0/12.5	6.7/4.6	195/49	2.1/2.2	2.4/2.2	0.34	205
38/5.2	225 SMB	228 211-●	1480/740	91.5/80.5	0.84/0.63	72/15	7.3/5.2	245/67	2.1/2.3	2.6/2.3	0.41	230
46/7	225 SMC	228 212-●	1480/740	92.5/82.0	0.86/0.66	85/19	7.7/4.9	297/90	2.3/2.1	2.7/2.1	0.49	265
63/10	250 SMB	258 206-●	1475/740	93.5/83.0	0.89/0.65	110/27	7.5/6.0	408/129	2.4/3.0	2.7/2.7	0.89	335

1500/750 r/min = 4/8 poles Fan drive, Dahlander-connection

0.37/0.09	71 B	078 104-●	1390/680	65/42	0.73/0.63	1.2/0.49	3.3/2.0	2.5/1.2	1.8/1.4	1.8/1.8	0.0009	6.5
0.45/0.1	71 C	078 105-●	1390/690	64/62	0.73/0.59	1.4/0.57	3.4/2.1	3.1/1.4	1.9/1.6	2.3/2.1	0.0012	7.5
0.55/0.11	80 A	088 104-●	1380/700	67/48	0.80/0.61	1.6/0.54	3.1/2.3	3.8/1.5	1.5/1.4	1.8/1.8	0.0017	8.5
0.75/0.16	80 B	088 105-●	1390/700	71/51	0.80/0.62	2.0/0.70	3.4/2.4	5.1/1.2	1.5/1.2	1.9/1.9	0.0021	9.5
0.9/0.2	80 C	088 106-●	1390/700	70/57	0.80/0.62	2.4/0.83	3.6/2.4	6.2/2.8	1.7/1.3	2.1/1.9	0.0024	11
1.1/0.26	90 S	098 104-●	1410/700	73/53	0.80/0.63	2.8/1.2	4.2/2.4	7.4/3.6	1.8/1.2	2.3/1.9	0.0032	13
1.5/0.31	90 L	098 105-●	1420/710	77/57	0.78/0.54	3.7/1.5	4.8/2.8	10/4.2	2.2/1.7	2.7/2.5	0.0043	16
1.8/0.35	90 LB	098 106-●	1410/710	76/60	0.83/0.56	4.2/1.5	4.3/2.7	12/4.8	1.9/1.6	2.3/2.3	0.0048	18
2.2/0.48	100 LA	108 103-●	1430/720	79/65	0.82/0.59	5.1/1.8	5.1/3.0	14/6.4	1.9/1.2	2.5/2.1	0.0069	20
2.8/0.6	100 LB	108 104-●	1430/720	81/68	0.82/0.58	6.4/2.2	5.2/3.0	18/8.0	2.0/1.2	2.6/2.2	0.0082	23
3.0/0.65	100 LC	108 105-●	1430/720	81/67	0.81/0.56	6.8/2.5	5.6/3.0	20/8.7	2.2/1.3	2.8/2.3	0.009	26
3.5/0.7	112 M	118 126-●	1430/720	81.0/71.0	0.89/0.58	7.0/2.5	6.8/4.4	23.4/9.3	1.6/1.7	2.5/2.7	0.018	32
5.0/1.0	132 S	138 131-●	1450/725	83.0/74.0	0.87/0.59	9.9/3.3	6.4/3.6	32.9/13.2	1.5/1.0	2.3/2.0	0.038	48
6.8/1.4	132 M	138 132-●	1460/730	85.0/73.0	0.84/0.55	13.7/5.1	7.6/3.6	44.5/18.3	2.0/1.4	2.8/2.7	0.048	59
10.5/2.2	160 M	168 304-●	1460/735	87.5/79.0	0.84/0.54	21/7.4	6.9/3.7	69/29	2.2/1.5	2.7/2.3	0.089	92
15.5/2.7	160 L	168 305-●	1460/735	88.5/79.5	0.85/0.51	30/9.5	6.9/3.9	101/35	2.2/1.7	2.6/2.6	0.119	117
17/3.4	180 M	188 307-●	1470/730	88.5/78.0	0.85/0.56	33/11	5.8/4.3	111/44	1.7/1.2	2.3/1.9	0.176	130
22/4.4	180 L	188 308-●	1475/735	89.5/79.0	0.83/0.53	43/15	6.7/3.9	143/57	2.0/1.7	2.6/2.3	0.224	159
29/6.5	200 MLA	208 116-●	1470/730	90.5/86.0	0.86/0.64	54/17	6.9/4.2	188/81	2.2/1.9	2.4/1.9	0.28	180
33/8	200 MLB	208 117-●	1475/730	91.5/86.5	0.86/0.64	61/21	7.8/4.2	214/105	2.6/1.9	2.6/1.8	0.34	205
42/10	225 SMB	228 111-●	1480/740	92.0/89.5	0.86/0.64	85/27	7.8/5.0	271/129	2.5/2.2	3.0/2.3	0.49	265
50/11	225 SMC	228 112-●	1465/735	92.5/89.5	0.87/0.65	91/28	7.3/4.7	324/143	2.3/2.0	2.5/2.0	0.49	265
60/15	250 SMB	258 106-●	1475/735	93.0/90.0	0.86/0.70	104/34	7.9/4.7	388/195	2.6/2.1	2.7/2.0	0.89	335

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.