

# Insulation class F Temperature rise class F

400 V 50 Hz<sup>1)</sup>

Output kW	Motor type M2AA	Product code 3GAA	Speed r/min	Efficiency %	Power factor cos φ	Current		Torque			Moment of inertia J=1/2 GD <sup>2</sup> kgm <sup>2</sup>	Weight kg
						I <sub>N</sub> A	I <sub>S</sub> I <sub>N</sub>	T <sub>N</sub> Nm	T <sub>S</sub> T <sub>N</sub>	T <sub>max</sub> T <sub>N</sub>		
<b>1500/1000 r/min = 4/6 poles      Highest output at both speeds, two separate windings</b>												
0.28/0.18	71 B	078 217-●	1410/930	57/45	0.75/0.67	1.0/0.90	3.0/2.2	1.8/1.8	1.5/1.3	2.0/1.9	0.0009	6.5
0.35/0.30	80 A	088 216-●	1430/930	59/52	0.65/0.69	1.4/1.2	3.5/2.4	2.3/3.0	1.8/1.3	2.4/1.9	0.0017	8.5
0.5/0.37	80 B	088 217-●	1430/940	64/59	0.71/0.67	1.6/1.4	3.7/2.8	3.3/3.7	1.8/1.4	2.4/2.0	0.0021	9.5
0.8/0.5	90 S	098 216-●	1430/940	68/57	0.80/0.66	2.2/2.0	3.9/2.8	5.3/5.0	1.5/1.4	2.1/2.1	0.0032	13
1.2/0.75	90 L	098 217-●	1430/940	73/63	0.81/0.67	3.0/2.6	4.4/3.1	8.0/7.6	1.7/1.5	2.3/2.1	0.0043	16
1.5/0.9	100 LA	108 214-●	1440/960	75/69	0.84/0.65	3.5/3.0	4.7/3.8	9.9/8.9	1.5/1.5	2.2/2.4	0.0069	20
1.8/1.1	100 LB	108 215-●	1460/960	77/70	0.78/0.64	4.4/3.6	5.8/3.9	11/11	2.1/1.6	3.0/2.5	0.0082	23
2.6/1.7	112 M	118 202-●	1445/960	80.0/73.0	0.86/0.76	5.5/4.4	5.9/5.2	17.2/16.9	1.5/1.5	2.2/2.4	0.018	33
3.3/2.2	132 S	138 223-●	1470/980	82.0/76.0	0.82/0.65	7.1/6.4	6.8/4.6	21.4/21.4	1.4/1.2	2.5/2.4	0.038	48
4.5/3	132 M	138 224-●	1470/980	82.0/77.0	0.85/0.70	9.3/8.0	7.2/5.6	29.2/29.2	1.4/1.5	2.3/2.6	0.048	59
7.5/5.5	160 M	168 361-●	1465/965	85.5/80.5	0.83/0.77	15.5/13.0	7.1/4.7	49/54	2.1/1.8	2.7/1.9	0.089	93
11.5/8.5	160 L	168 362-●	1465/965	86.5/82.5	0.84/0.76	23.0/19.5	7.0/4.9	75/84	2.1/1.8	2.8/2.0	0.119	117
13/8	180 M	188 353-●	1475/975	88.0/82.5	0.82/0.75	26.0/19.0	6.5/4.3	84/78	1.9/1.4	2.6/1.8	0.176	131
15/10	180 L	188 354-●	1475/975	88.5/84.0	0.83/0.74	30.0/23.0	7.1/4.4	97/98	2.3/1.5	2.7/1.9	0.224	159
18/12	200 MLA	208 204-●	1475/985	88.5/86.0	0.91/0.86	33/24	7.6/7.8	117/116	2.1/2.6	2.5/2.6	0.42	185
22/14.7	200 MLB	208 205-●	1480/985	89.5/86.5	0.89/0.87	40/29	8.2/7.6	142/143	2.4/2.6	2.8/2.5	0.48	200
25/16.7	200 MLC	208 206-●	1475/980	89.0/85.5	0.87/0.88	47/32	7.7/6.7	162/162	2.3/2.3	2.6/2.2	0.48	200
32/21	225 SMB	228 203-●	1480/985	90.0/89.5	0.88/0.86	58/40	8.6/8.0	206/204	2.3/2.4	2.8/2.7	0.63	225
36/24	225 SMC	228 204-●	1480/985	90.5/90.0	0.88/0.87	66/45	8.4/7.4	232/233	2.2/2.2	2.8/2.5	0.74	250
50/32	250 SMB	258 202-●	1475/985	92.5/90.5	0.89/0.80	89/65	7.5/7.1	324/310	2.3/3.1	2.6/2.6	0.89	335

<sup>1)</sup> Sizes 63 to 100 voltage code H.  
Sizes 112 to 250 voltage code D.

## Recalculation factors

Recalculation factors for current at rated voltages other than 400 V 50 Hz

**Motor sizes 63-100**

Rated voltage at 50 Hz  
and motor wound for

Recalculation factor

220 V

<sup>1)</sup>

230 V

1.74

380 V

<sup>2)</sup>

500 V

0.80

660 V

0.61

690 V

0.58

**Motor sizes 112-250**

Rated voltage at 50 Hz  
and motor wound for

Recalculation factor

220 V

1.82

230 V

1.74

380 V

1.05

415 V

0.96

500 V

0.80

660 V

0.61

690 V

0.58

<sup>1)</sup> Code S.

<sup>2)</sup> Restamping of code H. Note that this results in a certain reduction of output. Rated output on request.