

# Squirrel-cage motors

1MA · EEx e II type of protection · Aluminium housing

## Selection and ordering data

Rated output kW	Temperature classes	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output					Starting torque For direct-on-line starting as multiple of the rated torque	Starting current For direct-on-line starting as multiple of the rated current	Stalling torque	t <sub>e</sub> time For temperature classes		Torque class KL	Moment of inertia J kg m <sup>2</sup>	Weight Type of constr. IM B 3 approx. kg
				Rated speed rpm	Efficiency η <sup>1)</sup> %	Power factor p.f. A	Rated current at 380 V to 420 V Nm	Rated torque				T1	T3			
<b>Temperature classes T1 to T3, IP55 degree of protection, temperature class F</b>																
<b>3000 rpm, 2-pole, 50 Hz</b>																
0.18	T1-T3	63 M	1MA7 060-2BA ..	2810	66	0.74	0.55	0.61	2.3	4.4	2.3	30	27	16	0.00018	4
0.25	T1-T3	63 M	1MA7 063-2BA ..	2800	68	0.85	0.70	0.85	2.2	4.4	2.3	19	16	16	0.00023	4
0.37	T1-T3	71 M	1MA7 070-2BA ..	2825	73	0.80	0.93	1.3	2.3	5.6	3.0	28	25	16	0.00035	6
0.55	T1-T3	71 M	1MA7 073-2BA ..	2785	72	0.84	1.4	1.9	3	5.2	2.6	18	13	16	0.00045	7
0.75	T1-T3	80 M	1MA7 080-2BA ..	2845	73	0.85	1.81	2.5	2.5	6.2	2.7	13	11	16	0.00085	9
1.1	T1-T3	80 M	1MA7 083-2BA ..	2855	79	0.85	2.5	3.7	2.8	6.4	3	12	10	16	0.0011	11
1.3	T1-T3	90 S	1MA7 090-2BA ..	2850	78	0.88	2.9	4.4	2.6	6.2	2.8	12	11	16	0.0015	13
1.85	T1-T3	90 L	1MA7 096-2BA ..	2860	81	0.88	3.95	6.2	2.8	7.2	2.8	9	8	16	0.002	16
2.5	T1-T3	100 L	1MA7 106-2BA ..	2865	82	0.87	5.3	8.3	2.6	7.4	2.8	9	8	16	0.0038	21
3.3	T1-T3	112 M	1MA7 113-2BB ..	2875	84	0.89	6.7	11	2.1	6.6	2.3	10	9	13	0.0055	27
4.6	T1-T3	132 S	1MA7 130-2BB .. <sup>2)</sup>	2920	83	0.90	9.2	15	1.9	6.8	2.5	15	13	13	0.016	53
5.5	T3	132 S	1MA7 131-2BB .. <sup>2)</sup>	2925	86	0.92	10.6	18	2.2	7.7	2.7	15	13	13	0.021	44
6.5	T1, T2	132 S	1MA7 131-2BB .. <sup>2)</sup>	2900	85	0.93	12.5	21	1.9	6.5	2.3	12	7	13	0.021	44
7.5	T3	160 M	1MA7 163-2BB .. <sup>2)</sup>	2945	87.5	0.90	14.3	24	2.2	7.6	3.1	29	18	13	0.034	67
9.5	T1, T2	160 M	1MA7 163-2BB .. <sup>2)</sup>	2920	87	0.91	18.1	31	1.7	6.0	2.4	24	-	13	0.034	67
10	T3	160 M	1MA7 164-2BB .. <sup>2)</sup>	2940	88.5	0.92	18.6	33	2.1	7.6	2.9	23	12	13	0.04	72
13	T1, T2	160 M	1MA7 164-2BB .. <sup>2)</sup>	2910	87.5	0.92	24.5	43	1.6	5.8	2.2	16	-	13	0.04	72
12.5	T3	160 L	1MA7 166-2BB .. <sup>2)</sup>	2940	89	0.93	23.0	41	2.3	7.6	3	21	9	13	0.052	82
16	T1, T2	160 L	1MA7 166-2BB .. <sup>2)</sup>	2910	87	0.93	30.0	53	1.8	5.8	2.3	15	-	13	0.052	82
<b>1500 rpm, 4-pole, 50 Hz</b>																
0.12	T1-T3	63 M	1MA7 060-4BB ..	1375	55	0.66	0.52	0.83	1.9	2.6	1.9	35	30	13	0.0003	4
0.18	T1-T3	63 M	1MA7 063-4BB ..	1330	57	0.75	0.62	1.3	1.9	2.7	1.9	30	25	13	0.0004	4
0.25	T1-T3	71 M	1MA7 070-4BB ..	1310	60	0.77	0.80	1.8	1.9	3.1	1.9	50	40	13	0.0006	6
0.37	T3	71 M	1MA7 073-4BB ..	1355	67	0.74	1.10	2.6	1.9	3.7	2.1	35	29	13	0.00083	7
0.55	T1-T3	80 M	1MA7 080-4BA ..	1390	73	0.73	1.59	3.8	2.4	4.6	2.5	24	21	16	0.0015	9
0.75	T1-T3	80 M	1MA7 083-4BA ..	1395	73	0.75	2.05	5.1	2.6	4.8	2.6	19	16	16	0.0018	11
1	T1-T3	90 S	1MA7 090-4BA ..	1420	77	0.78	2.5	6.7	2.2	5.4	2.5	16	14	16	0.0028	13
1.35	T1-T3	90 L	1MA7 096-4BA ..	1415	78	0.82	3.1	9.1	2.3	5.9	2.5	15	13	16	0.0035	16
2	T1-T3	100 L	1MA7 106-4BA ..	1420	80	0.82	4.5	14	2.5	6.4	2.7	13	11	16	0.0048	20
2.5	T1-T3	100 L	1MA7 107-4BA ..	1415	81	0.83	5.5	17	2.6	6.4	2.7	12	10	16	0.0058	23
3.6	T1-T3	112 M	1MA7 113-4BA ..	1435	85	0.83	7.5	24	2.6	7.2	2.9	10	9	16	0.011	29
5	T1-T3	132 S	1MA7 130-4BA ..	1445	86	0.82	10.4	33	2.7	6.6	3.2	10	9	16	0.021	42
6.8	T1-T3	132 M	1MA7 133-4BA ..	1460	87	0.82	14.0	44	3	7.7	3.6	10	9	16	0.027	61
10	T1-T3	160 M	1MA7 163-4BB ..	1455	88	0.87	19.7	66	2.3	6.5	2.7	17	10	13	0.052	67
13.5	T1-T3	160 L	1MA7 166-4BB ..	1465	89	0.84	27	88	2.4	6.9	3	18	9	13	0.057	107
<b>1000 rpm, 6-pole, 50 Hz</b>																
0.25	T1-T3	71 M	1MA7 073-6BA ..	850	63	0.72	0.81	2.8	2.2	3	2.1	130	70	16	0.0009	7
0.37	T1-T3	80 M	1MA7 080-6BA ..	920	68	0.7	1.14	3.6	2.3	3.6	2.4	60	55	16	0.0015	9
0.55	T1-T3	80 M	1MA7 083-6BA ..	930	69	0.67	1.75	5.6	2.4	4	2.4	30	27	16	0.0025	13
0.65	T1-T3	90 S	1MA7 090-6BA ..	915	70	0.75	1.8	6.8	2.3	3.9	2.4	35	30	16	0.0028	14
0.95	T1-T3	90 L	1MA7 096-6BA ..	910	72	0.75	2.6	9.9	2.3	4.1	2.4	22	19	16	0.0038	16
1.3	T1-T3	100 L	1MA7 106-6BA ..	935	77	0.73	3.35	13	2.4	4.8	2.5	26	26	16	0.0063	20
1.9	T1-T3	112 M	1MA7 113-6BB ..	940	79	0.76	4.7	19	2.3	5	2.5	19	16	13	0.011	24
2.6	T1-T3	132 S	1MA7 130-6BB ..	945	79	0.75	6.5	26	1.8	4.4	2.4	21	18	13	0.015	36
3.5	T1-T3	132 M	1MA7 133-6BB ..	955	81	0.72	9.0	35	2.3	5.1	2.8	16	13	13	0.019	41
4.8	T1-T3	132 M	1MA7 134-6BB ..	950	83	0.76	11.4	48	2.4	5.6	2.8	13	11	13	0.025	50
6.6	T1-T3	160 M	1MA7 163-6BB ..	960	85	0.75	14.9	65	2.7	6.4	3.1	18	9	13	0.041	70
9.7	T1-T3	160 L	1MA7 166-6BB ..	965	88	0.76	21.0	96	2.8	7.7	2.2	15	8	13	0.055	105

● Used acc. to class F.

## Order No. supplements

Motor type	Penultimate position: Voltage identifier				Final position: Type of construction identifier					
	50 Hz	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	IM B 3	Price supplement			
						IM B 5	IM V 1 With protective cover	IM B 14 With standard flange	IM B 14 With special flange	IM B 35
1MA7 060 to 1MA7 096	1	6 <sup>4)</sup>	3 <sup>5)</sup>	-	0	1	4	2	3	6
1MA7 106 to 1MA7 166	1	6	3	5	0	1	4	2	3	6

Other voltage and/or frequency, voltage identifier "9".  
Order codes are required for this purpose (see "Technical information", "Voltages, currents and frequencies").

For other types of construction, see "Technical information", "Types of construction".  
For footnotes, see Page 4/3.

# Squirrel-cage motors

## 1MA · EEx e II type of protection · Cast iron housing

### Selection and ordering data

Rated output kW	Temperature classes	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output					Starting torque For direct-on-line starting as multiple of the rated torque	Starting current For direct-on-line starting as multiple of the rated current	Stalling torque	t <sub>e</sub> time For temperature classes		Torque class KL	Moment of inertia J kg m <sup>2</sup>	Weight Type of constr. IM B 3 approx. kg
				Rated speed rpm	Efficiency η <sup>1)</sup> %	Power factor p.f. A	Rated current at 380 V to 420 V Nm	Rated torque				T1 s	T3 s			
<b>Temperature classes T1 to T3, IP55 degree of protection, temperature class F</b>																
<b>3000 rpm, 2-pole, 50 Hz</b>																
2.5	T1-T3	100 L	<b>1MA6 106-2BA ..</b>	2865	82	0.87	5.3	8.3	2.6	7.4	2.8	9	8	16	0.0038	34
3.3	T1-T3	112 M	<b>1MA6 113-2BB ..</b>	2875	84	0.89	6.7	11	2.1	6.6	2.3	10	9	13	0.0055	43
4.6	T1-T3	132 S	<b>1MA6 130-2BB ..</b>	2920	83	0.90	9.2	15	1.9	6.8	2.5	15	13	13	0.016	53
5.5	T3	132 S	<b>1MA6 131-2BB ..<sup>2)</sup></b>	2925	86	0.92	10.6	18	2.2	7.7	2.7	15	13	13	0.021	58
6.5	T1,T2	132 S		2900	85	0.93	12.5	21	1.9	6.5	2.3	12	7	13	0.021	58
7.5	T3	160 M	<b>1MA6 163-2BB ..<sup>2)</sup></b>	2945	87.5	0.90	14.3	24	2.2	7.6	3.1	29	18	13	0.034	96
9.5	T1,T2	160 M		2920	87	0.91	18.1	31	1.7	6.0	2.4	24	-	13	0.034	96
10	T3	160 M	<b>1MA6 164-2BB ..<sup>2)</sup></b>	2940	88.5	0.92	18.6	33	2.1	7.6	2.9	23	12	13	0.04	105
13	T1,T2	160 M		2910	87.5	0.92	24.5	43	1.6	5.8	2.2	16	-	13	0.04	105
12.5	T3	160 L	<b>1MA6 166-2BB ..<sup>2)</sup></b>	2940	89	0.93	23.0	41	2.3	7.6	3.0	21	9	13	0.052	115
16	T1,T2	160 L		2910	87	0.93	30.0	53	1.8	5.8	2.3	15	-	13	0.052	115
15	T3	180 M	<b>1MA6 183-2BC ..</b>	2955	92	0.87	29	49	2	6.9	3.3	30	14	10	0.077	170
19	T1,T2			2935	91.1	0.88	36.5	62	1.6	5.5	2.6	24	-	10		
20	T3	200 L	<b>1MA6 206-2BC ..</b>	2950	91.2	0.87	49	64	1.9	6	2.9	35	14	10	0.14	245
25	T1,T2			2960	90.6	0.86	39	81	1.5	4.8	2.3	28	-	10		
24	T3		<b>1MA6 207-2BC ..</b>	2965	92	0.87	46	77	2	6.4	3	35	10	10	0.16	246
31	T1,T2			2950	91.4	0.88	60	100	1.5	4.9	2.3	26	-	10		
28	T3	225 M	<b>1MA6 223-2BC ..</b>	2970	93.6	0.9	51	90	1.8	6.4	2.7	30	13	10	0.24	310
38	T1,T2		<b>1MA6 223-2AC ..</b>	2970	93.9	0.89	69 <sup>3)</sup>	122	1.8	7	2.7	16	-	10		
36	T3	250 M	<b>1MA6 253-2BC ..</b>	2975	93.5	0.91	64	116	1.5	6.6	2.7	30	11	10	0.45	415
47	T1,T2		<b>1MA6 253-2AC ..</b>	2975	93.9	0.9	85	151	1.5	6.5	2.7	18	-	10		
47	T3	280 S	<b>1MA6 280-2BD ..</b>	2983	94.5	0.9	84	150	1.5	7.1	2.9	30	23	7	0.79	570
64	T1,T2	280 S	<b>1MA6 280-2AD ..</b>	2980	94.3	0.89	115	205	1.5	7.8	2.9	19	-	7		
58	T3	280 M	<b>1MA6 283-2BD ..</b>	2982	94.7	0.91	104	186	1.5	7.2	2.8	27	11	7	0.92	610
76	T1,T2	280 M	<b>1MA6 283-2AD ..</b>	2978	94.8	0.9	134	244	1.5	7.5	2.8	15	-	7		
68	T3	315 S	<b>1MA6 310-2BD ..</b>	2985	94	0.91	120	218	1.4	7.1	2.8	50	21	7	1.3	790
95	T1,T2	315 S	<b>1MA6 310-2AD ..</b>	2985	94.6	0.9	169	304	1.5	7.3	2.9	30	-	7		
80	T3	315 M	<b>1MA6 313-2BD ..</b>	2985	94.8	0.91	142	256	1.6	7	2.8	40	19	7	1.5	850
112	T1,T2	315 M	<b>1MA6 313-2AD ..</b>	2985	94.8	0.91	198 <sup>3)</sup>	358	1.4	7.5	2.7	21	-	7		
100	T3	315 L	<b>1MA6 316-2BD ..</b>	2984	94.9	0.92	174	320	1.4	6.8	2.7	40	11	7	1.8	990
135	T1,T2		<b>1MA6 316-2AD ..</b>	2984	95.2	0.91	234	432	1.6	7.4	2.9	17	-	7		
125	T3		<b>1MA6 317-2BD ..</b>	2985	95.5	0.91	214	400	1.5	7.3	2.5	30	7	7	2.3	1100
165	T1,T2		<b>1MA6 317-2AD ..</b>	2986	95.7	0.91	280	528	1.8	9.3	2.9	7	7	7		

● Used acc. to class F.

■ VIK is not possible.

### Order No. supplements

Motor type	Penultimate position: Voltage identifier				Final position: Type of construction identifier							
	50 Hz	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	IM B 3	Price supplement	IM B 5	IM V 1 With protective cover	IM B 14 With standard flange	IM B 14 With special flange	IM B 35
1MA6 106 to 1MA6 166	1	6	3	5	0	1	4	2	3	6		
1MA6 183 to 1MA6 313	1	6	3	5	0	1	4	-	-	6		
1MA6 316 to 1MA6 317	-	6	3	5	0	-	4	-	-	6		

Other voltage and/or frequency, voltage identifier "9".  
Order codes are required for this purpose (see "Technical information", "Voltages, currents and frequencies").

For other types of construction, see "Technical information", "Types of construction".

1) With reference to 75 °C.

2) For voltage identifier "9", separate versions for T1, T2 and T3. For order code A11, only possible for one power output in each case.

3) For connection to 230 V, parallel supply cables are required.

4) Not possible for 1MA7 06 motors.

5) Not possible for 1MA7 060-4 motors.



# Squirrel-cage motors

## 1MA · EEx e II type of protection · Cast iron housing

### Selection and ordering data

Rated output kW	Temperature classes	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output					Starting torque For direct-on-line starting as multiple of the rated torque	Starting current For direct-on-line starting as multiple of the rated current	Stalling torque	t <sub>8</sub> time For temperature classes		Torque class KL	Moment of inertia J kg m <sup>2</sup>	Weight Type of constr. IM B 3 approx. kg
				Rated speed rpm	Efficiency η <sup>1)</sup> %	Power factor p.f.	Rated current at 380 V to 420 V A	Rated torque Nm				T1	T3			
<b>Temperature classes T1 to T3, IP55 degree of protection, temperature class F</b>																
<b>1500 rpm, 4-pole, 50 Hz</b>																
<b>2</b>	T1-T3	100 L	<b>1MA6 106-4BA ..</b>	1420	80	0.82	4.5	14	2.5	6.4	2.7	13	11	16	0.0048	33
<b>2.5</b>	T1-T3	100 L	<b>1MA6 107-4BA ..</b>	1415	81	0.83	5.5	17	2.6	6.4	2.7	12	10	16	0.0058	36
<b>3.6</b>	T1-T3	112 M	<b>1MA6 113-4BA ..</b>	1435	85	0.83	7.5	24	2.6	7.2	2.9	10	9	16	0.011	45
<b>5</b>	T1-T3	132 S	<b>1MA6 130-4BA ..</b>	1445	86	0.82	10.4	33	2.7	6.6	3.2	10	9	16	0.021	55
<b>6.8</b>	T1-T3	132 M	<b>1MA6 133-4BA ..</b>	1460	87	0.82	14.0	44	3.0	7.7	3.6	10	9	16	0.027	62
<b>10</b>	T1-T3	160 M	<b>1MA6 163-4BB ..</b>	1455	88	0.87	19.7	66	2.3	6.5	2.7	17	10	13	0.052	100
<b>13.5</b>	T1-T3	160 L	<b>1MA6 166-4BB ..</b>	1465	89	0.84	27	88	2.4	6.9	3.0	18	9	13	0.057	114
<b>15</b>	T3	180 M	<b>1MA6 183-4BC ..</b>	1465	90.7	0.80	31	97	1.8	6.1	2.9	18	11	10	0.13	165
<b>17</b>	T1,T2	180 M		1460	90.0	0.82	35.5	111	1.6	5.3	2.4	13	10	10		
<b>17.5</b>	T3	180 L	<b>1MA6 186-4BC ..</b>	1475	91.6	0.80	36	114	1.8	6.4	3	16	11	10	0.15	177
<b>20</b>	T1,T2	180 L		1465	90.6	0.82	41 <sup>2)</sup>	130	1.6	5.6	2.6	13	10	10		
<b>24</b>	T3	200 L	<b>1MA6 207-4BC ..</b>	1480	92.5	0.82	47.5	155	2.2	7.9	3.1	20	11	10	0.32	280
<b>27</b>	T1,T2			1475	92.4	0.84	53	175	1.9	7.1	2.7	19	10	10		
<b>30</b>	T3	225 S	<b>1MA6 220-4BC ..</b>	1481	93.3	0.83	59	193	1.6	6.7	2.7	13	13	10	0.44	300
<b>33</b>	T1,T2	225 S		1480	93.1	0.84	64 <sup>2)</sup>	213	1.4	6.2	2.5	11	10	10		
<b>36</b>	T3	225 M	<b>1MA6 223-4BC ..</b>	1484	93.8	0.84	70 <sup>2)</sup>	232	1.7	6.9	2.8	12	12	10	0.52	330
<b>40</b>	T1,T2	225 M		1480	93.6	0.85	77 <sup>2)</sup>	258	1.5	6.2	2.5	10	10	10		
<b>44</b>	T3	250 M	<b>1MA6 253-4BC ..</b>	1485	94	0.85	83	283	1.7	7.3	2.5	18	11	10	0.79	435
<b>50</b>	T1,T2			1485	93.8	0.86	94	322	1.5	6.4	2.1	15	10	10		
<b>58</b>	T3	280 S	<b>1MA6 280-4BC ..</b>	1488	94.6	0.84	111	372	1.7	6.3	2.5	30	7	10	1.4	610
<b>68</b>	T1,T2	280 S		1485	94.5	0.85	131	437	1.5	5.3	2.1	23	10	7		
<b>70</b>	T3	280 M	<b>1MA6 283-4BC ..</b>	1488	94.8	0.85	130	449	1.7	7	2.5	26	6	10	1.6	660
<b>80</b>	T1,T2	280 M		1485	94.8	0.87	150 <sup>2)</sup>	514	1.5	6	2.2	20	10	10		
<b>84</b>	T3	315 S	<b>1MA6 310-4BD ..</b>	1492	95.4	0.84	158	538	1.7	7.7	2.8	28	8	7	2.2	830
<b>100</b>	T1,T2	315 S		1490	95.3	0.85	188	641	1.4	6.5	2.4	24	7	7		
<b>100</b>	T3	315 M	<b>1MA6 313-4BD ..</b>	1492	95.8	0.85	185	640	1.6	7.2	2.5	29	7	7	2.7	910
<b>120</b>	T1,T2	315 M		1488	95.7	0.86	222 <sup>2)</sup>	770	1.3	6	2.1	24	7	7		
<b>115</b>	T3	315 L	<b>1MA6 316-4BD ..</b>	1490	95.6	0.86	214	740	1.7	7.5	2.5	28	5	7	3.2	1060
<b>135</b>	T1,T2			1488	95.5	0.86	248	868	1.4	6.4	2.1	21	7	7		
<b>135</b>	T3		<b>1MA6 317-4BD ..</b>	1492	95.8	0.86	245	868	1.7	7.8	2.8	26	7	7	4.2	1200
<b>165</b>	T1,T2			1485	95.8	0.87	305	1061	1.5	6.3	2.3	17	7	7		

■ VIK is not possible.

### Order No. supplements

Motor type	Penultimate position: Voltage identifier				Final position: Type of construction identifier					
	50 Hz	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	IM B 3	Price supplement IM B 5	IM V 1 With protective cover	IM B 14 With standard flange	IM B 14 With special flange
1MA6 106 to 1MA6 166	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>6</b>
1MA6 183 to 1MA6 313	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	-	-	<b>6</b>
1MA6 316 to 1MA6 317	-	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	-	<b>4</b>	-	-	<b>6</b>

Other voltage and/or frequency, voltage identifier "9".  
Order codes are required for this purpose (see "Technical information", "Voltages, currents and frequencies").

For other types of construction, see "Technical information", "Types of construction".

1) With reference to 75 °C.

2) For connection to 230 V, parallel supply cables are required (see "Technical information", "Connections, circuits and terminal blocks").

# Squirrel-cage motors

## 1MA · EEx e II type of protection · Cast iron housing

### Selection and ordering data

Rated output kW	Temperature classes	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output					Starting torque For direct-on-line starting as multiple of the rated torque	Starting current For direct-on-line starting as multiple of the rated current	Stalling torque	t <sub>e</sub> time For temperature classes		Torque class KL	Moment of inertia J kg m <sup>2</sup>	Weight Type of constr. IM B 3 approx. kg
				Rated speed rpm	Efficiency η <sup>1)</sup> %	Power factor torp.f. A	Rated current at 380 V to 420 V Nm	Rated torque				T1	T3			
<b>Temperature classes T1 to T3, IP55 degree of protection, temperature class F</b>																
<b>1000 rpm, 6-pole, 50 Hz</b>																
1.3	T1-T3	100 L	<b>1MA6 106-6BA ..</b>	935	77	0.73	3.35	13	2.4	4.8	2.5	26	26	16	0.0063	33
1.9	T1-T3	112 M	<b>1MA6 113-6BB ..</b>	940	79	0.76	4.7	19	2.3	5.0	2.5	19	16	13	0.011	40
2.6	T1-T3	132 S	<b>1MA6 130-6BB ..</b>	945	79	0.75	6.5	26	1.8	4.4	2.4	21	18	13	0.015	50
3.5	T1-T3	132 M	<b>1MA6 133-6BB ..</b>	955	81	0.72	9.0	35	2.3	5.1	2.8	16	13	13	0.019	57
4.8	T1-T3	132 M	<b>1MA6 134-6BB ..</b>	950	83	0.76	11.4	48	2.4	5.6	2.8	13	11	13	0.025	66
6.6	T1-T3	160 M	<b>1MA6 163-6BB ..</b>	960	85	0.75	14.9	65	2.7	6.4	3.1	18	9	13	0.041	103
9.7	T1-T3	160 L	<b>1MA6 166-6BB ..</b>	965	88	0.76	21.0	96	2.8	7.7	2.2	15	8	13	0.055	122
13.2	T1-T3	180 L	<b>1MA6 186-6BC ..</b>	975	89.6	0.78	28.5	129	1.6	5.4	2.5	22	18	10	0.20	177
16.5	T1-T3	200 L	<b>1MA6 206-6BC ..</b>	980	90.5	0.81	34.5	161	1.7	5.4	2.6	23	19	10	0.29	220
20	T1-T3	200 L	<b>1MA6 207-6BC ..</b>	980	90.8	0.82	41	195	1.7	5.6	2.6	22	17	10	0.33	235
27	T1-T3	225 M	<b>1MA6 223-6BC ..</b>	975	92.5	0.82	54	263	1.6	5.6	2.5	15	15	10	0.57	305
33	T1-T3	250 M	<b>1MA6 253-6BC ..</b>	985	93	0.83	66	320	1.6	5.3	2.4	16	16	10	0.89	410
40	T1-T3	280 S	<b>1MA6 280-6BC ..</b>	990	93.3	0.85	77	386	1.5	6.2	2.6	13	13	10	1.3	540
46	T3	280 M	<b>1MA6 283-6BC ..</b>	988	93.5	0.86	86	445	1.6	6.5	2.5	12	10	10	1.5	580
50	T1,T2	280 M		987	93.3	0.86	96	484	1.5	5.8	2.3	14	10	10		
64	T3	315 S	<b>1MA6 310-6BC ..</b>	991	94.3	0.84	124	617	1.7	6.2	2.5	14	10	10	2.4	770
68	T1,T2	315 S		990	94.2	0.85	131	656	1.6	5.9	2.3	22	10	10		
76	T3	315 M	<b>1MA6 313-6BC ..</b>	991	94.6	0.84	146	732	1.7	6.4	2.5	8	10	10	2.9	830
82	T1,T2	315 M		990	94.5	0.84	158	791	1.6	5.9	2.3	18	10	10		
92	T3	315 L	<b>1MA6 316-6BC ..</b>	991	95	0.85	172	887	1.7	6.5	2.5	9	10	10	3.5	970
98	T1,T2			990	94.8	0.85	185	945	1.6	6.1	2.3	20	10	10		
110	T3		<b>1MA6 317-6BC ..</b>	991	95.2	0.84	210	1060	1.7	6.8	2.5	6	10	10	4.3	1060
120	T1,T2			990	95	0.85	230	1160	1.6	6.2	2.3	16	10	10		
125	T3		<b>1MA6 318-6BC ..</b>	991	95.2	0.86	220	1210	1.6	7	2.5	6	10	10	4.9	1100
135	T1,T2			990	95	0.86	240	1300	1.5	6.5	2.3	17	10	10		

● Certified for 400 V rated voltage only.

■ VIK is not possible.

### Order No. supplements

Motor type	Penultimate position: Voltage identifier				Final position: Type of construction identifier					
	50 Hz	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	IM B 3	Price supplement	IM V 1 With protective cover	IM B 14 With standard flange	IM B 14 With special flange
1MA6 106 to 1MA6 166	1	6	3	5	0	1	4	2	3	6
1MA6 183 to 1MA6 313	1	6	3	5	0	1	4	-	-	6
1MA6 316 to 1MA6 317	-	6	3	5	0	-	4	-	-	6

Other voltage and/or frequency, voltage identifier "9".  
Order codes are required for this purpose (see "Technical information", "Voltages, currents and frequencies").

For other types of construction, see "Technical information", "Types of construction".

1) With reference to 75 °C.