

Rated output at		Temperature class	Frame size	Operating values at rated output					Rated current at 380 ... 420 V, 50 Hz	Order No. For Order No. supplements for voltage and type of construction, see table below	Price	Weight IM B3 type of construction approx. <i>m</i> kg
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz	Power factor at 50 Hz					
<i>P</i> <sub>rated</sub> kW	<i>P</i> <sub>rated</sub> kW		FS	<i>n</i> <sub>rated</sub> rpm	<i>T</i> <sub>rated</sub> Nm	<i>η</i> <sub>rated</sub> %	cosφ <sub>rated</sub>	<i>I</i> <sub>rated</sub> A				
<b>2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>												
2.5	2.5	T1,T2,T3	100 L	2865	8.3	82	0.87	5.3	<b>1MA6 106-2BA□□</b>		34	
3.3	3.3	T1,T2,T3	112 M	2875	11	84	0.89	6.7	<b>1MA6 113-2BB□□</b>		43	
4.6	4.6	T1,T2,T3	132 S	2920	15	83	0.9	9.3	<b>1MA6 130-2BB□□</b>		53	
5.5	5.5	T3	132 S	2925	18	86	0.92	10.7	<b>1MA6 131-2BB□□<sup>1)</sup></b>		58	
7.5	7.5	T3	160 M	2945	24	87.5	0.9	15.3	<b>1MA6 163-2BB□□<sup>1)</sup></b>		96	
10	10	T3	160 M	2940	33	88.5	0.92	19.1	<b>1MA6 164-2BB□□<sup>1)</sup></b>		105	
12.5	12.5	T3	160 L	2940	41	89	0.93	23	<b>1MA6 166-2BB□□<sup>1)</sup></b>		115	
15	15	T3	180 M	2955	49	92	0.87	29	<b>1MA6 183-2BC□□</b>		170	
20	20	T3	200 L	2950	64	91.2	0.87	49	<b>1MA6 206-2BC□□</b>		245	
24	24	T3	200 L	2965	77	92	0.87	46	<b>1MA6 207-2BC□□</b>		246	
28	28	T3	225 M	2970	90	93.6	0.9	51	<b>1MA6 223-2BC□□</b>		310	
38	38	T1,T2	225 M	2970	122	93.9	0.89	69 <sup>2)</sup>	<b>1MA6 223-2AC□□</b>		310	
36	36	T3	250 M	2975	116	93.5	0.91	64	<b>1MA6 253-2BC□□</b>		415	
47	47	T1,T2	250 M	2975	151	93.9	0.9	85	<b>1MA6 253-2AC□□</b>		415	
47	47	T3	280 S	2983	150	94.5	0.9	84	<b>1MA6 280-2BD□□</b>		570	
64	64	T1,T2	280 S	2980	205	94.3	0.89	115	<b>1MA6 280-2AD□□</b>		570	
58	58	T3	280 M	2982	186	94.7	0.91	104	<b>1MA6 283-2BD□□</b>		610	
76	76	T1,T2	280 M	2978	244	94.8	0.9	134	<b>1MA6 283-2AD□□</b>		610	
68	68	T3	315 S	2985	218	94	0.91	120	<b>1MA6 310-2BD□□</b>		790	
95	95	T1,T2	315 S	2985	304	94.6	0.9	169	<b>1MA6 310-2AD□□</b>		790	
80	80	T3	315 M	2985	256	94.8	0.91	142	<b>1MA6 313-2BD□□</b>		850	
112	112	T1,T2	315 M	2985	358	94.8	0.91	198 <sup>2)</sup>	<b>1MA6 313-2AD□□</b>		850	
100	100	T3	315 L	2984	320	94.9	0.92	174	<b>1MA6 316-2BD□□</b>		990	
135	135	T1,T2	315 L	2984	432	95.2	0.91	234	<b>1MA6 316-2AD□□</b>		990	
125	125	T3	315 L	2985	400	95.5	0.91	214	<b>1MA6 317-2BD□□<sup>3)</sup></b>		1100	
165	165	T1,T2	315 L	2986	528	95.7	0.91	280	<b>1MA6 317-2AD□□<sup>3)</sup></b>		1100	

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange		With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6 <sup>4)5)</sup>	IM B5, <sup>4)6)</sup> IM V3 <sup>4)6)</sup>	IM V1 with protective cover <sup>4)6)7)</sup>	IM B35	IM B14, IM V19 <sup>4)</sup>	IM B34	IM B14, IM V19 <sup>4)</sup>
1	6	3	5	0	1	4	6	2	7	3	
<b>1MA6 10 - . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 11 - . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 13 - . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 16 - . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 18 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 20 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 22 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 25 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 28 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 310 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 313 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 316 - . . . □□</b>	-	○	○	○	□ <sup>9)</sup>	-	✓ <sup>10)</sup>	✓	-	-	-
<b>1MA6 317 - . . . □□</b>	-	○	○	○	□ <sup>9)</sup>	-	✓ <sup>10)</sup>	✓	-	-	-

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see "Special versions" in the "Options" under "Voltages").

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see "Special versions" in the "Options" under "Types of construction").

For footnotes, see Page 2.

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output		$t_E$ time	
	with direct starting torque	as multiple of rated current	torque			Measuring surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz	for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$L_{pFA}$ dB(A)	$L_{WA}$ dB(A)	$t_E$ s	$t_E$ s
<b>2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>									
<b>1MA6 106-2BA□□</b>	2.6	7.4	2.8	16	0.0038	62	74	9	8
<b>1MA6 113-2BB□□</b>	2.1	6.6	2.3	13	0.0055	63	75	10	9
<b>1MA6 130-2BB□□</b>	1.9	6.8	2.5	13	0.016	68	80	15	13
<b>1MA6 131-2BB□□</b>	2.2	7.7	2.7	13	0.021	68	80	15	13
<b>1MA6 163-2BB□□</b>	2.2	7.6	3.1	13	0.034	70	82	29	18
<b>1MA6 164-2BB□□</b>	2.1	7.6	2.9	13	0.04	70	82	23	12
<b>1MA6 166-2BB□□</b>	2.3	7.6	3	13	0.052	70	82	23	9
<b>1MA6 183-2BC□□</b>	2	6.9	3.3	10	0.077	70	83	30	14
<b>1MA6 206-2BC□□</b>	1.9	6	2.9	10	0.14	71	84	35	14
<b>1MA6 207-2BC□□</b>	2	6.4	3	10	0.16	71	84	35	10
<b>1MA6 223-2BC□□</b>	1.8	6.4	2.7	10	0.24	71	84	30	13
<b>1MA6 223-2AC□□</b>	1.8	7	2.7	10	0.24	71	84	16	–
<b>1MA6 253-2BC□□</b>	1.5	6.6	2.7	10	0.45	75	89	30	11
<b>1MA6 253-2AC□□</b>	1.5	6.5	2.7	10	0.45	75	89	18	–
<b>1MA6 280-2BD□□</b>	1.5	7.1	2.9	7	0.79	77	91	30	23
<b>1MA6 280-2AD□□</b>	1.5	7.8	2.9	7	0.79	77	91	19	–
<b>1MA6 283-2BD□□</b>	1.5	7.2	2.8	7	0.92	77	91	27	11
<b>1MA6 283-2AD□□</b>	1.5	7.5	2.8	7	0.92	77	91	15	–
<b>1MA6 310-2BD□□</b>	1.4	7.1	2.8	7	1.3	79	93	50	21
<b>1MA6 310-2AD□□</b>	1.5	7.3	2.9	7	1.3	79	93	30	–
<b>1MA6 313-2BD□□</b>	1.6	7	2.8	7	1.5	79	93	40	19
<b>1MA6 313-2AD□□</b>	1.4	7.5	2.7	7	1.5	79	93	21	–
<b>1MA6 316-2BD□□</b>	1.4	6.8	2.7	7	1.8	79	93	40	11
<b>1MA6 316-2AD□□</b>	1.6	7.4	2.9	7	1.8	79	93	17	–
<b>1MA6 317-2BD□□</b>	1.5	7.3	2.5	7	2.3	79	93	30	7
<b>1MA6 317-2AD□□</b>	1.8	9.3	2.9	7	2.3	79	93	7	–

1) For the following versions T3-output is stamped as standard:  
– order code **A11/A12**  
– voltage code "9"  
Alternative: order code **C30** "T1/T2-output on the rating plate"

2) For connection to 230 V, parallel supply cables are necessary.

3) Technical data and dimensions are available for VIK version (order code **K30**) on request (additional charge).

4) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

5) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

6) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

7) The "Second shaft extension" option, order code **K16** is not possible.

8) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

9) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

10) 2-pole motors in 60 Hz version available on request.

Rated output at		Temperature class	Frame size	Operating values at rated output					Power factor at 50 Hz	Rated current at 380 ... 420 V, 50 Hz	Order No. supplements for voltage and type of construction, see table below	Price	Weight IM B3 type of construction approx. <i>m</i> kg
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz	Rated speed at 50 Hz	Rated torque at 50 Hz					
$P_{rated}$ kW	$P_{rated}$ kW		FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\phi_{rated}$	$I_{rated}$ A					
<b>2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>													
6.5	6.5	T1,T2	132 S	2900	21	85	0.91	12.6	<b>1MA6 131-2BB□□<sup>2)</sup></b>	58			
9.5	9.5	T1,T2	160 M	2920	31	87	0.88	18.6	<b>1MA6 163-2BB□□<sup>2)</sup></b>	96			
13	13	T1,T2	160 M	2910	43	87.5	0.92	24.5	<b>1MA6 164-2BB□□<sup>1)2)</sup></b>	105			
16	16	T1,T2	160 L	2910	53	87	0.93	30	<b>1MA6 166-2BB□□<sup>1)2)</sup></b>	115			
19	19	T1,T2	180 M	2935	62	91.1	0.88	36.5	<b>1MA6 183-2BC□□<sup>1)</sup></b>	170			
25	25	T1,T2	200 L	2960	81	90.6	0.86	39	<b>1MA6 206-2BC□□<sup>1)</sup></b>	245			
31	31	T1,T2	200 L	2950	100	91.4	0.88	60	<b>1MA6 207-2BC□□<sup>1)</sup></b>	246			

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange			With standard flange		With special flange
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6 <sup>3)4)</sup>	IM B5 <sup>3)5)</sup> , IM V3 <sup>3)5)</sup>	IM V1 with protective cover <sup>3)5)6)</sup>	IM B35	IM B14 <sup>3)</sup> , IM V19 <sup>3)</sup>	IM B34	IM B14 IM V19 <sup>3)</sup>
	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>3</b>
<b>1MA6 13</b> . . . . □□	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 16</b> . . . . □□	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 18</b> . . . . □□	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 20</b> . . . . □□	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see “Special versions” in the “Options” under “Voltages”).

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see “Special versions” in the “Options” under “Types of construction”).

1) Utilization according to temperature class 155 (F).

2) For the following versions T3-output is stamped as standard:  
– order code **A11/A12**  
– voltage code **9**  
Alternative: order code **C30** “T1/T2-output on the rating plate”

3) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version “with protective cover” is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

4) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

5) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

6) The “Second shaft extension” option, order code **K16** is not possible.

7) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	$t_E$ time	
	with direct starting torque	as multiple of rated current	torque			for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$t_E$ s	$t_E$ s
<b>2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>							
<b>1MA6 131-2BB□□</b>	1.9	6.5	2.3	13	0.021	12	7
<b>1MA6 163-2BB□□</b>	1.7	6	2.4	13	0.034	24	–
<b>1MA6 164-2BB□□</b>	1.6	5.8	2.2	13	0.04	16	–
<b>1MA6 166-2BB□□</b>	1.8	5.8	2.3	13	0.052	5	–
<b>1MA6 183-2BC□□</b>	1.6	5.5	2.6	10	0.077	24	–
<b>1MA6 206-2BC□□</b>	1.5	4.8	2.3	10	0.14	28	–
<b>1MA6 207-2BC□□</b>	1.5	4.9	2.3	10	0.16	26	–

Rated output at		Temperature class	Frame size	Operating values at rated output					Rated current at 380 ... 420 V, 50 Hz	Order No. For Order No. supplements for voltage and type of construction, see table below	Price	Weight IM B3 type of construction approx. <i>m</i> kg
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz	Power factor at 50 Hz					
$P_{rated}$ kW	$P_{rated}$ kW		FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\phi_{rated}$	$I_{rated}$ A				
<b>4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>												
2	2	T1,T2,T3	100 L	1420	14	80	0.82	4.5	<b>1MA6 106-4BA□□</b>		33	
2.5	2.5	T1,T2,T3	100 L	1415	17	81	0.83	5.5	<b>1MA6 107-4BA□□</b>		36	
3.6	3.6	T1,T2,T3	112 M	1435	24	85	0.83	7.5	<b>1MA6 113-4BA□□</b>		45	
5	5	T1,T2,T3	132 S	1445	33	86	0.82	10.4	<b>1MA6 130-4BA□□</b>		55	
6.8	6.8	T1,T2,T3	132 M	1460	44	87	0.82	14	<b>1MA6 133-4BA□□</b>		62	
10	10	T1,T2,T3	160 M	1455	66	88	0.87	19.7	<b>1MA6 163-4BB□□</b>		100	
13.5	13.5	T1,T2,T3	160 L	1465	88	89	0.84	27	<b>1MA6 166-4BB□□</b>		114	
15	15	T3	180 M	1470	97	90.7	0.8	31	<b>1MA6 183-4BC□□</b>		165	
17.5	17.5	T3	180 L	1470	114	91.6	0.8	36	<b>1MA6 186-4BC□□</b>		177	
24	24	T3	200 L	1475	155	92.5	0.82	47.5	<b>1MA6 207-4BC□□</b>		280	
30	30	T3	225 S	1481	193	93.3	0.83	59	<b>1MA6 220-4BC□□</b>		300	
36	36	T3	225 M	1484	232	93.8	0.84	70 <sup>1)</sup>	<b>1MA6 223-4BC□□</b>		330	
44	44	T3	250 M	1485	283	94	0.85	83	<b>1MA6 253-4BC□□</b>		435	
58	58	T3	280 S	1488	372	94.6	0.84	111	<b>1MA6 280-4BC□□ <sup>2)</sup></b>		610	
70	70	T3	280 M	1488	449	94.8	0.85	130	<b>1MA6 283-4BC□□ <sup>2)</sup></b>		660	
84	84	T3	315 S	1492	538	95.4	0.84	158	<b>1MA6 310-4BD□□</b>		830	
100	100	T3	315 M	1492	640	95.8	0.85	185	<b>1MA6 313-4BD□□ <sup>2)</sup></b>		910	
115	115	T3	315 L	1490	740	95.6	0.86	214	<b>1MA6 316-4BD□□ <sup>2)</sup></b>		1060	
135	135	T3	315 L	1492	868	95.8	0.86	245	<b>1MA6 317-4BD□□</b>		1200	

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange			With standard flange		With special flange
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3(6/7/8, IM V6 <sup>3)4)</sup>	IM B5, IM V3 <sup>3)5)</sup>	IM V1 with protective cover <sup>3)5)6)</sup>	IM B35	IM B14, IM V19 <sup>3)</sup>	IM B34	IM B14, IM V19 <sup>3)</sup>
	For delta connection, overload protection with phase-failure protection must be provided.										
	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>3</b>
<b>1MA6 10 . . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 11 . . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 13 . . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 16 . . . . □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 18 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 20 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 22 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 25 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 28 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 310 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 313 . . . . □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	–	–	–
<b>1MA6 316 . . . . □□</b>	–	○	○	○	□ <sup>8)</sup>	–	✓	✓	–	–	–
<b>1MA6 317 . . . . □□</b>	–	○	○	○	□ <sup>8)</sup>	–	✓	✓	–	–	–

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see "Special versions" in the "Options" under "Voltages").

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see "Special versions" in the "Options" under "Types of construction").

For footnotes, see Page 6.

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output		$t_E$ time	
	with direct starting torque	as multiple of rated current	torque			Measuring surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz	for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$L_{pfA}$ dB(A)	$L_{WA}$ dB(A)	$t_E$ s	$t_E$ s
<b>4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>									
<b>1MA6 106-4BA□□</b>	2.5	6.4	2.7	16	0.0048	53	65	13	11
<b>1MA6 107-4BA□□</b>	2.6	6.4	2.7	16	0.0058	53	65	12	10
<b>1MA6 113-4BA□□</b>	2.6	7.2	2.9	16	0.011	53	65	10	9
<b>1MA6 130-4BA□□</b>	2.7	6.6	3.2	16	0.021	62	74	10	9
<b>1MA6 133-4BA□□</b>	3	7.7	3.6	16	0.027	62	74	10	9
<b>1MA6 163-4BB□□</b>	2.3	6.5	2.7	13	0.052	66	78	17	10
<b>1MA6 166-4BB□□</b>	2.4	6.9	3	13	0.057	66	78	18	9
<b>1MA6 183-4BC□□</b>	1.8	6.1	2.9	10	0.13	63	76	18	11
<b>1MA6 186-4BC□□</b>	1.8	6.4	3	10	0.15	63	76	16	11
<b>1MA6 207-4BC□□</b>	2.1	7.9	3	10	0.24	65	78	20	11
<b>1MA6 220-4BC□□</b>	1.6	6.7	2.7	10	0.44	65	78	13	13
<b>1MA6 223-4BC□□</b>	1.7	6.9	2.8	10	0.52	65	78	12	12
<b>1MA6 253-4BC□□</b>	1.7	7.3	2.5	10	0.79	65	79	18	11
<b>1MA6 280-4BC□□</b>	1.7	6.3	2.5	10	1.4	67	81	30	7
<b>1MA6 283-4BC□□</b>	1.7	7	2.5	10	1.6	67	81	26	6
<b>1MA6 310-4BD□□</b>	1.7	7.7	2.8	7	2.2	69	83	28	8
<b>1MA6 313-4BD□□</b>	1.6	7.2	2.5	7	2.7	69	83	29	7
<b>1MA6 316-4BD□□</b>	1.7	7.5	2.5	7	3.2	69	83	28	5
<b>1MA6 317-4BD□□</b>	1.7	7.8	2.8	7	4.2	69	83	26	7

- 1) For connection to 230 V, parallel supply cables are necessary (see the "Introduction" section, "Connection, circuit and connection box").
- 2) Technical data and dimensions are available for VIK version (order code **K30**) on request (additional charge).
- 3) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.
- 4) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

- 5) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.
- 6) The "Second shaft extension" option, order code **K16** is not possible.
- 7) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.
- 8) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

Rated output at		Temperature class	Frame size	Operating values at rated output					Order No.	Price	Weight
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz	Power factor at 50 Hz	Rated current at 380 ... 420 V, 50 Hz			
$P_{rated}$ kW	$P_{rated}$ kW	FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\phi_{rated}$	$I_{rated}$ A	For Order No. supplements for voltage and type of construction, see table below	$m$ kg		
<b>4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>											
17	17	T1,T2	180 M	1460	111	90	0.82	35.5	<b>1MA6 183-4BC□□<sup>1)</sup></b>	165	
20	20	T1,T2	180 L	1465	130	90.6	0.82	41 <sup>2)</sup>	<b>1MA6 186-4BC□□<sup>1)</sup></b>	177	
27	27	T1,T2	200 L	1475	175	92.4	0.84	53	<b>1MA6 207-4BC□□</b>	280	
33	33	T1,T2	225 S	1480	213	93.1	0.84	64 <sup>2)</sup>	<b>1MA6 220-4BC□□</b>	300	
40	40	T1,T2	225 M	1480	258	93.6	0.85	77 <sup>2)</sup>	<b>1MA6 223-4BC□□</b>	330	
50	50	T1,T2	250 M	1485	322	93.8	0.86	94	<b>1MA6 253-4BC□□</b>	435	
68	68	T1,T2	280 S	1485	437	94.5	0.85	131	<b>1MA6 280-4BC□□<sup>3)</sup></b>	610	
80	80	T1,T2	280 M	1485	514	94.8	0.87	150 <sup>2)</sup>	<b>1MA6 283-4BC□□<sup>3)</sup></b>	660	
100	100	T1,T2	315 S	1490	641	95.3	0.85	188	<b>1MA6 310-4BD□□</b>	830	
120	120	T1,T2	315 M	1488	770	95.7	0.86	222 <sup>2)</sup>	<b>1MA6 313-4BD□□<sup>3)</sup></b>	910	
135	135	T1,T2	315 L	1488	868	95.5	0.86	248	<b>1MA6 316-4BD□□<sup>3)</sup></b>	1060	
165	165	T1,T2	315 L	1485	1061	95.8	0.87	305	<b>1MA6 317-4BD□□</b>	1200	

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange		With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6 <sup>4)5)</sup>	IM B5, IM V3 <sup>4)6)</sup>	IM V1 with protective cover <sup>4)6)7)</sup>	IM B35	IM B14, IM V19 <sup>4)</sup>	IM B34	IM B14, IM V19 <sup>4)</sup>
	For delta connection, overload protection with phase-failure protection must be provided.										
	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>3</b>
<b>1MA6 18 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 20 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 22 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 25 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 28 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 310 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 313 - . . . □□</b>	○	○	○	○	□	✓ <sup>8)</sup>	✓	✓	-	-	-
<b>1MA6 316 - . . . □□</b>	-	○	○	○	□ <sup>9)</sup>	-	✓	✓	-	-	-
<b>1MA6 317 - . . . □□</b>	-	○	○	○	□ <sup>9)</sup>	-	✓	✓	-	-	-

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see "Special versions" in the "Options" under "Voltages").

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see "Special versions" in the "Options" under "Types of construction").

1) Utilization according to temperature class 155 (F).

2) For connection to 230 V, parallel supply cables are necessary.

3) Technical data and dimensions are available for VIK version (order code **K30**) on request (additional charge).

4) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

5) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

6) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

7) The "Second shaft extension" option, order code **K16** is not possible.

8) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

9) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	$t_E$ time	
	with direct starting torque	as multiple of rated current	torque			for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$t_E$ s	$t_E$ s
<b>4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>							
<b>1MA6 183-4BC□□</b>	1.6	5.3	2.4	10	0.13	13	–
<b>1MA6 186-4BC□□</b>	1.6	5.6	2.6	10	0.15	13	–
<b>1MA6 207-4BC□□</b>	1.9	7.1	2.7	10	0.24	19	–
<b>1MA6 220-4BC□□</b>	1.4	6.2	2.5	10	0.44	11	–
<b>1MA6 223-4BC□□</b>	1.5	6.2	2.5	10	0.52	10	–
<b>1MA6 253-4BC□□</b>	1.5	6.4	2.1	10	0.79	15	–
<b>1MA6 280-4BC□□</b>	1.5	5.3	2.1	10	1.4	23	–
<b>1MA6 283-4BC□□</b>	1.5	6	2.2	10	1.6	20	–
<b>1MA6 310-4BD□□</b>	1.4	6.5	2.4	7	2.2	24	–
<b>1MA6 313-4BD□□</b>	1.3	6	2.1	7	2.7	24	–
<b>1MA6 316-4BD□□</b>	1.4	6.4	2.1	7	3.2	21	–
<b>1MA6 317-4BD□□</b>	1.5	6.3	2.3	7	4.2	17	–



Rated output at		Temperature class	Frame size	Operating values at rated output					Order No. For Order No. supplements for voltage and type of construction, see table below	Price	Weight IM B3 type of construction approx. <i>m</i> kg
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz	Power factor at 50 Hz	Rated current at 380 ... 420 V, 50 Hz			
<i>P</i> <sub>rated</sub> kW	<i>P</i> <sub>rated</sub> kW		FS	<i>n</i> <sub>rated</sub> rpm	<i>T</i> <sub>rated</sub> Nm	<i>η</i> <sub>rated</sub> %	cosφ <sub>rated</sub>	<i>I</i> <sub>rated</sub> A			
<b>6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>											
1.3	1.3	T1,T2,T3	100 L	935	13	77	0.73	3.35	<b>1MA6 106-6BA□□</b>	33	
1.9	1.9	T1,T2,T3	112 M	940	19	79	0.76	4.7	<b>1MA6 113-6BB□□</b>	40	
2.6	2.6	T1,T2,T3	132 S	945	26	79	0.75	6.5	<b>1MA6 130-6BB□□</b>	50	
3.5	3.5	T1,T2,T3	132 M	955	35	81	0.72	9	<b>1MA6 133-6BB□□</b>	57	
4.8	4.8	T1,T2,T3	132 M	950	48	83	0.76	11.4	<b>1MA6 134-6BB□□</b>	66	
6.6	6.6	T1,T2,T3	160 M	960	65	85	0.75	14.9	<b>1MA6 163-6BB□□</b>	103	
9.7	9.7	T1,T2,T3	160 L	965	96	88	0.76	21	<b>1MA6 166-6BB□□</b>	122	
13.2	13.2	T1,T2,T3	180 L	975	129	89.6	0.78	28.5	<b>1MA6 186-6BC□□</b>	177	
16.5	16.5	T1,T2,T3	200 L	980	161	90.5	0.81	34.5	<b>1MA6 206-6BC□□</b>	220	
20	20	T1,T2,T3	200 L	980	195	90.8	0.82	41	<b>1MA6 207-6BC□□</b>	235	
27	27	T1,T2,T3	225 M	980	263	92.5	0.82	54	<b>1MA6 223-6BC□□</b>	305	
33	33	T1,T2,T3	250 M	985	320	93	0.83	66	<b>1MA6 253-6BC□□</b>	410	
40	40	T1,T2,T3	280 S	990	386	93.3	0.85	77	<b>1MA6 280-6BC□□</b>	540	
46	46	T3	280 M	988	445	93.5	0.86	86	<b>1MA6 283-6BC□□</b>	580	
64	64	T3	315 S	991	617	94.3	0.84	124	<b>1MA6 310-6BC□□</b>	770	
76	76	T3	315 M	991	732	94.6	0.84	146	<b>1MA6 313-6BC□□</b>	830	
92	92	T3	315 L	991	887	95	0.85	172	<b>1MA6 316-6BC□□</b>	970	
110	110	T3	315 L	991	1060	95.2	0.84	210	<b>1MA6 317-6BC□□<sup>1)</sup></b>	1060	
125	125	T3	315 L	991	1210	95.2	0.86	220	<b>1MA6 318-6BC□□<sup>1)2)</sup></b>	1100	

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange		With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6 <sup>3)4)</sup>	IM B5, IM V3 <sup>3)5)</sup>	IM V1 with protective cover <sup>3)5)6)</sup>	IM B35	IM B14, IM V19 <sup>3)</sup>	IM B34	IM B14 IM V19 <sup>3)</sup>
	For delta connection, overload protection with phase-failure protection must be provided.										
	<b>1</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>3</b>
<b>1MA6 10 - ... □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 11 - ... □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 13 - ... □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 16 - ... □□</b>	○	○	○	○	□	✓	✓	✓	✓	✓	✓
<b>1MA6 18 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 20 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 22 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 25 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 28 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 310 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 313 - ... □□</b>	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 316 - ... □□</b>	-	○	○	○	□ <sup>8)</sup>	-	✓	✓	-	-	-
<b>1MA6 317 - ... □□</b>											
<b>1MA6 318 - ... □□</b>											

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see "Special versions" in the "Options" under "Voltages").

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see "Special versions" in the "Options" under "Types of construction").

For footnotes, see Page 10.

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output		$t_E$ time	
	with direct starting torque	as multiple of rated current	torque			Measuring surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz	for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$L_{pFA}$ dB(A)	$L_{WA}$ dB(A)	$t_E$ s	$t_E$ s
<b>6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 to T3</b>									
<b>1MA6 106-6BA□□</b>	2.4	4.8	2.5	16	0.0063	47	59	26	26
<b>1MA6 113-6BB□□</b>	2.3	5	2.5	13	0.011	52	64	19	16
<b>1MA6 130-6BB□□</b>	1.8	4.4	2.4	13	0.015	63	75	21	18
<b>1MA6 133-6BB□□</b>	2.3	5.1	2.8	13	0.019	63	75	16	13
<b>1MA6 134-6BB□□</b>	2.4	5.6	2.8	13	0.025	63	75	13	11
<b>1MA6 163-6BB□□</b>	2.7	6.4	3.1	13	0.041	66	78	18	9
<b>1MA6 166-6BB□□</b>	2.8	7.7	2.2	13	0.055	66	78	15	8
<b>1MA6 186-6BC□□</b>	1.6	5.4	2.5	10	0.2	66	78	22	18
<b>1MA6 206-6BC□□</b>	1.7	5.4	2.6	10	0.29	66	78	23	19
<b>1MA6 207-6BC□□</b>	1.7	5.6	2.6	10	0.33	66	78	22	17
<b>1MA6 223-6BC□□</b>	1.6	5.6	2.5	10	0.57	66	78	15	15
<b>1MA6 253-6BC□□</b>	1.6	5.3	2.4	10	0.89	60	74	16	16
<b>1MA6 280-6BC□□</b>	1.5	6.2	2.6	10	1.3	60	74	13	13
<b>1MA6 283-6BC□□</b>	1.6	6.5	2.5	10	1.5	60	74	0	12
<b>1MA6 310-6BC□□</b>	1.7	6.2	2.5	10	2.4	63	77	0	14
<b>1MA6 313-6BC□□</b>	1.7	6.4	2.5	10	2.9	63	77	0	8
<b>1MA6 316-6BC□□</b>	1.7	6.5	2.5	10	3.5	63	77	0	9
<b>1MA6 317-6BC□□</b>	1.7	6.8	2.5	10	4.3	63	77	0	6
<b>1MA6 318-6BC□□</b>	1.6	7	2.5	10	4.9	63	77	0	6

1) Technical data and dimensions are available for VIK version (order code **K30**) on request (additional charge).

2) Only certified for rated voltage of 400 V.

3) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

4) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

5) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

6) The "Second shaft extension" option, order code **K16** is not possible.

7) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

8) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

Rated output at		Temperature class	Frame size	Operating values at rated output					Power factor at 50 Hz	Rated current at 380 ... 420 V, 50 Hz	Order No. supplements for voltage and type of construction, see table below	Price	Weight IM B3 type of construction approx. m kg
50 Hz	60 Hz			Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz							
$P_{rated}$ kW	$P_{rated}$ kW		FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\phi_{rated}$	$I_{rated}$ A					
<b>6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>													
50	50	T1,T2	280 M	987	484	93.3	0.86	96	<b>1MA6 283-6BC□□</b>	580			
68	68	T1,T2	315 S	990	656	94.2	0.85	131	<b>1MA6 310-6BC□□</b>	770			
82	82	T1,T2	315 M	990	791	94.5	0.84	158	<b>1MA6 313-6BC□□</b>	830			
98	98	T1,T2	315 L	990	945	94.8	0.85	185	<b>1MA6 316-6BC□□</b>	970			
120	120	T1,T2	315 L	990	1160	95	0.85	230	<b>1MA6 317-6BC□□<sup>1)</sup></b>	1060			
135	135	T1,T2	315 L	990	1300	95	0.86	240 <sup>2)</sup>	<b>1MA6 318-6BC□□<sup>1)</sup></b>	1100			

### Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code						
	50 Hz				Without flange	With flange			With standard flange		With special flange
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6 <sup>3)4)</sup>	IM B5 <sup>3)5)</sup>	IM V1 with protective cover <sup>3)5)6)</sup>	IM B35	IM B14 <sup>3)</sup>	IM B34	IM B14 IM V19 <sup>3)</sup>
	1	6	3	5	0	1	4	6	2	7	3
<b>1MA6 28</b> - ... □□	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 310</b> - ... □□	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 313</b> - ... □□	○	○	○	○	□	✓ <sup>7)</sup>	✓	✓	-	-	-
<b>1MA6 316</b> - ... □□	-	○	○	○	□ <sup>8)</sup>	-	✓	✓	-	-	-
<b>1MA6 317</b> - ... □□	-	-	-	-	-	-	-	-	-	-	-
<b>1MA6 318</b> - ... □□	-	-	-	-	-	-	-	-	-	-	-

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see "Special versions" in the "Options" under "Voltages").

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see "Special versions" in the "Options" under "Types of construction").

1) Technical data and dimensions are available for VIK version (order code **K30**) on request (additional charge).

2) Only certified for rated voltage of 400 V.

3) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

4) If motors 1MA6 183-... to 1MA6 318-... (motor series 1MA6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

5) 1MA6 220-... to 1MA6 318-... motors (motor series 1MA6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

6) The "Second shaft extension" option, order code **K16** is not possible.

7) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

8) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

Order No.	Locked-rotor torque with direct starting torque	Locked-rotor current as multiple of rated current	Breakdown torque	Torque class	Moment of inertia $J$	$t_E$ time for temperature class T1/T2	for temperature class T3
	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kgm <sup>2</sup>	$t_E$ s	$t_E$ s
<b>6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection, temperature classes T1 and T2, with double rating plate (T1/T2 and T3)</b>							
<b>1MA6 283-6BC□□</b>	1.5	5.8	2.3	10	1.5	14	–
<b>1MA6 310-6BC□□</b>	1.6	5.9	2.3	10	2.4	22	–
<b>1MA6 313-6BC□□</b>	1.6	5.9	2.3	10	2.9	18	–
<b>1MA6 316-6BC□□</b>	1.6	6.1	2.3	10	3.5	20	–
<b>1MA6 317-6BC□□</b>	1.6	6.2	2.3	10	4.3	16	–
<b>1MA6 318-6BC□□</b>	1.5	6.5	2.3	10	4.9	17	–