



**Selection and ordering data**

Operating values at 60 Hz rated output														Aluminum series		m <sub>IM B3</sub> J		Torque class		
P <sub>rated</sub> , 50 Hz	P <sub>rated</sub> , 60 Hz	Frame size	n <sub>rated</sub> , 60 Hz	T <sub>rated</sub> , 60 Hz	EISA CC No. CC032A	η <sub>ra</sub> -ted, 60 Hz	η <sub>ra</sub> -ted, 60 Hz	η <sub>ra</sub> -ted, 60 Hz	COS-φ <sub>rated</sub> , 60 Hz	I <sub>r</sub> rated, 60 Hz, 460 V	T <sub>LR</sub> /I <sub>ra</sub> -ted	I <sub>LR</sub> /I <sub>ra</sub> -ted	T <sub>B</sub> /I <sub>ra</sub> -ted	L <sub>ptA</sub> , 60 Hz	L <sub>WA</sub> , 60 Hz	1LE1023 – NEMA Premium Efficient version	Order No.	kg	kgm <sup>2</sup>	CL
kW	hp	FS	rpm	Nm		%	%	%	A							▲ New				
<b>2-pole: 3000 rpm at 50 Hz, 3600 rpm at 60 Hz</b>																				
3	4	100 L	3525	8.1	–	88.5	88.5	87.5	0.87	4.90	3.8	9.7	5.5	71	83	▲ 1LE1023-1AA4	26	0.0054	16	
4	5	112 M	3565	9.9	✓	88.5	88.5	87.5	0.87	6.0	3.8	10.0	5.6	73	85	▲ 1LE1023-1BA2	34	0.012	16	
5.5	7.5	132 S	3555	15	✓	89.5	89.5	88.5	0.90	8.6	2.1	8.6	4.4	72	84	▲ 1LE1023-1CA0	43	0.024	16	
7.5	10	132 S	3555	20	✓	90.2	90.2	89.2	0.91	11.5	2.4	9.5	4.7	72	84	▲ 1LE1023-1CA1	57	0.031	16	
11	15	160 M	3560	30	✓	91.0	91.0	90.0	0.88	17.2	2.8	8.5	4.3	77	89	▲ 1LE1023-1DA2	75	0.053	16	
15	20	160 M	3565	40	✓	91.0	91.0	90.0	0.86	24	3.1	9.7	4.8	77	89	▲ 1LE1023-1DA3	84	0.061	16	
18.5	25	160 L	3560	50	✓	91.7	91.7	90.7	0.90	28	3.1	9.4	4.4	77	89	▲ 1LE1023-1DA4	94	0.068	16	
<b>4-pole: 1500 rpm at 50 Hz, 1800 rpm at 60 Hz</b>																				
2.2	3	100 L	1770	12	–	89.5	89.5	88.5	0.81	3.80	3.5	9.6	5.1	62	74	▲ 1LE1023-1AB4	30	0.014	16	
3	4	100 L	1760	16	–	89.5	89.5	88.5	0.82	5.1	3.1	9.5	4.6	62	74	▲ 1LE1023-1AB5	30	0.014	16	
4	5	112 M	1770	20	✓	89.5	89.5	88.5	0.80	6.5	2.9	8.2	4.3	62	74	▲ 1LE1023-1BB2	34	0.017	16	
5.5	7.5	132 S	1780	30	✓	91.7	91.7	90.7	0.83	9.1	2.9	9.5	4.4	68	80	▲ 1LE1023-1CB0	64	0.046	16	
7.5	10	132 M	1770	40	✓	91.7	91.7	90.7	0.83	12.4	2.7	9.6	4.2	68	80	▲ 1LE1023-1CB2	64	0.046	16	
11	15	160 M	1775	59	✓	92.4	92.4	91.4	0.83	18	3.0	8.9	3.8	69	81	▲ 1LE1023-1DB2	83	0.083	16	
15	20	160 L	1780	80	✓	93.0	93.0	91.5	0.81	25	2.9	9.5	4.3	69	81	▲ 1LE1023-1DB4	100	0.099	16	
<b>6-pole: 1000 rpm at 50 Hz, 1200 rpm at 60 Hz</b>																				
3	4	132 S	1175	24	✓	89.5	89.5	88.5	0.76	5.5	1.9	7.6	3.4	67	79	▲ 1LE1023-1CC0	52	0.037	13	
4	5	132 M	1175	30	✓	89.5	89.5	88.5	0.76	6.8	2.2	7.9	3.7	67	79	▲ 1LE1023-1CC2	52	0.037	13	
5.5	7.5	132 M	1175	45	✓	91.0	91.0	90.0	0.76	10	2.2	7.5	3.5	67	79	▲ 1LE1023-1CC3	52	0.037	13	
7.5	10	160 M	1180	61	✓	91.0	91.0	90.0	0.79	13.1	1.8	7.1	3.2	70	82	▲ 1LE1023-1DC2	93	0.098	13	
11	15	160 L	1180	89	✓	91.7	91.7	90.7	0.79	19.1	1.9	7.4	3.4	70	82	▲ 1LE1023-1DC4	115	0.12	13	
<b>Ordering code structure</b>																				
Voltages (≤ 600 V) <sup>1)</sup>		No. of poles		Frame size		Motor type		Version		Order code(s)										
50 Hz 230 VΔ/400 VY		60 Hz 460 VY		2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Standard		2 2		–								
50 Hz 400 VΔ		60 Hz 460 VΔ		2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Standard		3 4		–								
50 Hz 500 VY				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Without additional charge		2 7		–								
50 Hz 500 VΔ				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Without additional charge		4 0		–								
Further voltages								For code numbers, order codes and descriptions, see supplements and special versions.		9 0		...								
<b>Types of construction</b>																				
Without flange		IM B3 <sup>2)</sup>		2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Standard		A		–								
With flange		IM B5 <sup>2)</sup>		2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D With additional charge		F		–								
With standard flange		IM B14 <sup>2)</sup>		2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D With additional charge		K		–								
Further types of construction								For code letters and descriptions, see supplements and special versions.		■		...								
<b>Motor protection</b>																				
Without				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Standard		A		–								
PTC thermistor with 3 temperature sensors				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D With additional charge		B		–								
Further motor protection								For code letters and descriptions, see supplements and special versions.		■		...								
<b>Connection box position</b>																				
Connection box at top				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D Standard		4		–								
Further connection box positions								For code numbers and descriptions, see supplements and special versions.												
<b>Special versions</b>																				
Forced-air cooled without external fan/fan cover (IC 416)				2, 4, 6		100 L ... 160 L		1LE1023-1A ... -1D		1LE1023- ...		-Z		F90 + . . . + . . .						
Options								For order codes and descriptions, see supplements and special versions.		1LE1023- ...		-Z		. . . + . . . + . . .						

1) Operating voltages only ≤ 600 V admissible in accordance with MG1 Table 12-12.  
 2) Types derived from IM B3 (IM B6/7/8, IM V6 and IM V5), from IM B5 (IM V3 and IM V1) and from IM B14 (IM V19 and IM V18) are possible, provided that no requirements exist for condensation drainage holes (H03) and stamping of the type on the rating plate. The basic type IM B3, IM B5 or IM B14 is stamped as standard on the rating plate. When ordering with condensation drainage holes (H03), the type must be specified.