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Technical specifications

Overview of technical specifications

This table lists the most important technical specifications. For more information and details, see Catalog Section 1 "Introduction".

Type of motor	SIMOTICS GP/SD 1LE1/1LE5/1PC1 IEC Low-Voltage Motors
Connection types	Star/delta connection The connection type to be used can be established from the Article No. supplements for the required motor.
Number of poles	2, 4, 6, 8
Frame sizes	63 M ... 315 L
Rated power	0.09 ... 300 kW (1LE1/1LE5 motor series)/0.3 ... 9 kW (1PC1 motor series)
Frequencies	50 Hz and 60 Hz
Versions	Self-ventilated 1LE1 energy-saving motors with: • IE1 (Standard Efficiency) • IE2 (High Efficiency) • IE3 (Premium Efficiency) • IE4 (Super Premium Efficiency) • IR3 (Rendimento Premium) • NEE (NEMA Energy Efficient, acc. to NEMA MG, Table 12-11) • NPE (NEMA Premium Efficient, acc. to NEMA MG, Table 12-12) Self-ventilated 1LE1 motors with increased power with: • IE1 (Standard Efficiency) • IE2 (High Efficiency) • IE3 (Premium Efficiency) Forced-air cooled 1LE1 motors without external fan and fan cover with: • IE1 (Standard Efficiency) • IE2 (High Efficiency) • IE3 (Premium Efficiency) • IE4 (Super Premium Efficiency) • IR3 (Rendimento Premium) Naturally cooled 1PC1 motors without external fan and fan cover with: • IE1 (Standard Efficiency) • IE2 (High Efficiency) • IE3 (Premium Efficiency) • IE4 (Super Premium Efficiency)
Marking	IEC 60034-30-1 IE1, IE2, IE3, IE4: 2, 4, 6 and 8-pole; NBR 17094-1: IR3 Rendimento Premium: 2, 4, 6, and 8-pole US Energy Independence Security Act EISA: 2, 4, 6 and 8-pole
Rated speed (synchronous speed)	750 … 3000 rpm
Rated torque	0.6 ... 1978 Nm (1LE1/1LE5 motor series)
Insulation of the stator winding in accordance with EN 60034-1 (IEC 60034-1)	Temperature class 155 (F), utilized acc. to temperature class 130 (B) (also for motors with increased power) DURIGNIT IR 2000 insulation system
Degree of protection according to EN 60034-5 (IEC 60034-5)	IP55 as standard
Cooling according to EN 60034-6 (IEC 60034-6)	• Self-ventilated (IC411) (1LE1/1LE5 motor series) frame size 80 M to 315 L • Forced-air cooled (IC418) (1LE1/1LE5 motor series with order code **F90**), frame size 80 M to 200 L • Naturally cooled (IC410) (1PC1 motor series) frame size 100 L to 160 L
Permissible coolant temperature and installation altitude	–20 ... +40 °C as standard, installation altitude up to 1000 m above sea level. See "Coolant temperature and installation altitude" in Catalog Section 1 "Introduction".
Standard voltages according to EN 60038 (IEC 60038)	50 Hz: 230 V, 400 V, 500 V, 690 V The voltage to be used can be found in the "Selection and ordering data" for the required motor.
Type of construction according to EN 60034-7 (IEC 60034-7)	• Without flange: IM B3, IM B6, IM B7, IM B8, IM V5 without protective cover, IM V6, IM V5 with protective cover • With flange: IM B5, IM V1, IM V3, IM B35 • With flange (next largest): IM B14, IM V19, IM V18, IM B34
Paint finish Suitability of paint finish for climate group according to IEC 60721, Part 2-1	Standard: Color RAL 7030 stone gray See "Paint finish" in Catalog Section 1 "Introduction".
Vibration severity grade according to EN 60034-14 (IEC 60034-14)	Grade A (normal – without special vibration requirements) Optionally: Grade B (with special vibration requirements) See "Balance and vibration severity" in Catalog Section 1 "Introduction".
Shaft extension according to DIN 748 (IEC 60072)	Balancing type: half-key balancing as standard See "Balance and vibration severity" in Catalog Section 1 "Introduction".
Sound pressure level according to EN ISO 1680 (tolerance +3 dB)	The corresponding sound pressure level is listed in the selection and ordering data for the required motor.
Weights	The corresponding weight is listed in the selection and ordering data for the required motor.
Modular mounting concept	Rotary pulse encoder, brake, separately driven fan or prepared for mountings
Consistent series concept	• Cast housing feet, screwed-on feet available as an option and retrofittable • Terminal box obliquely partitioned and rotatable through 4 × 90° • Bearings at DE and NDE are of identical design, reinforced bearings available as an option
Options	See "Article No. supplements and special versions"

More information

For further information, please get in touch with your local Siemens contact and use the DT Configurator.

Contacts: www.siemens.com/automation/partner
DT Configurator: www.siemens.com/dt-configurator

Wherever possible, you will find a local contact for:
- Technical support
- Spare parts/repairs
- Service
- Training
- Sales
- Technical consultation/engineering

You start by selecting a:
- country,
- product or
- sector.

By further specifying the remaining criteria you will find exactly the right contact partner with his/her respective expertise.

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Selection and ordering data

P_{rated}, 50 Hz/ P50	P_{rated}, 60 Hz/ P60 [1]	Frame size	Operating values at rated power n_{rated}, 50 Hz	T_{rated}, 50 Hz	Different IE class 60 Hz/P60	η_{rated}, 50 Hz, 4/4	η_{rated}, 50 Hz, 3/4	η_{rated}, 50 Hz, 2/4	$\cos\varphi_{rated}$, 50 Hz, 4/4	I_{rated}, 50 Hz, 400 V	T_{LR}/T_{rated}, 50 Hz	I_{LR}/I_{rated}, 50 Hz	T_B/T_{rated}, 50 Hz	L_{pfA}, 50 Hz	L_{WA}, 50 Hz	Cast-iron series 1LE1503 – *Basic Line* Article No.	$m_{IM\ B3}$	J
kW	kW	FS	rpm	Nm		%	%	%		A				dB(A)	dB(A)		kg	kgm^2
• Cooling: Self-ventilated (IC411) or with order code F90 forced-air cooled without external fan and fan cover (IC418)																		
• Efficiency according to IEC 60034-30-1: IE3 Premium Efficiency, service factor (SF) 1.15																		
• Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																		
2-pole: 3000 rpm at 50 Hz, 3600 rpm at 60 Hz [1]																		
0.37	**0.43**	**71 M**	2850	1.2		73.8	73.3	69.7	0.76	0.95	3.5	5.8	3.5	52	63	**1LE1503-0CA2■-■■■■**	13	0.00045
0.55	**0.63**	**71 M**	2850	1.8		77.8	77.5	74.5	0.76	1.34	3.7	6.1	3.7	57	68	**1LE1503-0CA3■-■■■■**	15	0.00056
0.75	**0.86**	**80 M**	2850	2.5		80.7	82.2	81.9	0.86	1.56	2.6	6.2	3	60	71	**1LE1503-0DA2■-■■■■**	18	0.0011
1.1	**1.27**	**80 M**	2885	3.6		82.7	83.9	83.1	0.85	2.25	3	7.1	3.3	60	71	**1LE1503-0DA3■-■■■■**	21	0.0013
1.5	**1.75**	**90 S**	2910	4.9		84.2	84.6	83.2	0.86	3	2.7	8.1	4.2	65	77	**1LE1503-0EA0■-■■■■**	26	0.0021
2.2	**2.55**	**90 L**	2910	7.2		85.9	86.8	86.1	0.88	4.2	2.6	8.3	4	65	77	**1LE1503-0EA4■-■■■■**	32	0.0031
3	**3.45**	**100 L**	2920	9.8		87.1	87.9	87.5	0.88	5.6	3.2	8.1	4.6	71	79	**1LE1503-1AA4■-■■■■**	36	0.0054
4	**4.55**	**112 M**	2950	13		88.1	88.7	88.2	0.89	7.4	2.5	8.7	4	73	81	**1LE1503-1BA2■-■■■■**	45	0.012
5.5	**6.3**	**132 S**	2950	18		89.2	90.1	89.7	0.9	9.9	1.9	7.3	3.7	72	80	**1LE1503-1CA0■-■■■■**	58	0.024
7.5	**8.6**	**132 S**	2950	24.5		90.1	91	91	0.92	13.1	1.9	8.3	3.9	68	80	**1LE1503-1CA1■-■■■■**	73	0.031
11	**12.6**	**160 M**	2955	35.5		91.2	91	89.5	0.89	19.6	2.4	7.9	3.8	70	82	**1LE1503-1DA2■-■■■■**	100	0.053
15	**17.3**	**160 M**	2960	48		91.9	91.9	91	0.87	27	2.8	8.8	4.3	74	82	**1LE1503-1DA3■-■■■■**	110	0.061
18.5	**21.3**	**160 L**	2955	60		92.4	92.8	92.4	0.9	32	2.8	9	4.2	70	82	**1LE1503-1DA4■-■■■■**	127	0.068
22	**24.5**	**180 M**	2950	71		92.7	93.2	92.9	0.89	38.5	2.3	7.5	3.5	67	80	**1LE1503-1EA2■-■■■■**	160	0.08
30	**33.5**	**200 L**	2955	97		93.3	93.5	92.9	0.87	53	2.5	7	3.3	67	80	**1LE1503-2AA4■-■■■■**	225	0.134
37	**41.5**	**200 L**	2955	120		93.7	94.2	94	0.88	65	2.5	7.1	3.2	67	80	**1LE1503-2AA5■-■■■■**	250	0.158
45	**51**	**225 M**	2960	145		94	94.5	94.4	0.89	78	2.4	6.9	3.3	73	87	**1LE1503-2BA2■-■■■■**	315	0.26
55	**62**	**250 M**	2975	177		94.3	94.5	93.9	0.89	95	2.3	6.7	3.1	73	87	**1LE1503-2CA2■-■■■■**	385	0.46
75	**84**	**280 S**	2975	241	IE2	94.7	94.8	94.1	0.89	128	2.4	6.8	3	74	88	**1LE1503-2DA0■-■■■■**	510	0.77
90	**101**	**280 M**	2975	289	IE2	95	95.1	94.6	0.9	152	2.4	7.2	3.1	74	88	**1LE1503-2DA2■-■■■■**	590	0.94
110	**123**	**315 S**	2982	352		95.2	95.4	94.9	0.91	183	2.4	7.1	3.1	75	89	**1LE1503-3AA0■-■■■■**	750	1.4
132	**148**	**315 M**	2982	423		95.4	95.5	95.2	0.91	220	2.5	7.2	3.1	75	89	**1LE1503-3AA2■-■■■■**	880	1.6
160	**180**	**315 L**	2982	512	IE2	95.6	95.7	95.2	0.92	265	2.8	7.8	3.3	77	91	**1LE1503-3AA4■-■■■■**	980	1.9
200	**224**	**315 L**	2982	640		95.8	95.9	95.5	0.92	330	2.5	7.2	3	77	91	**1LE1503-3AA5■-■■■■**	1150	2.3

Voltages [2]		Version			Order code
50 Hz 230 VΔ/400 VY	60 Hz [1] 460 VY	**Standard**	**2**	**2**	–
50 Hz 400 VΔ/690 VY	60 Hz [1] 460 VΔ	**Standard**	**3**	**4**	–
50 Hz 500 VY		Without additional charge	**2**	**7**	–
50 Hz 500 VΔ		Without additional charge	**4**	**0**	–
For other voltages [1] and more information, see from page 2/96			**9**	**0**	. . .
Types of construction		Version			Order code
Without flange	IM B3 [3]	**Standard**		**A**	–
With flange	IM B5 [3]	With additional charge		**F**	–
For other types of construction and more information, see from page 2/103				■	. . .
Motor protection		Version			Order code
Without		**Standard**		**A**	–
PTC thermistor with 3 temperature sensors		With additional charge		**B**	–
For other motor protection and more information, see from page 2/113				■	. . .
Terminal box position		Version			
Terminal box at top		**Standard**		**4**	
For other terminal box positions and more information, see from page 2/116				■	
Special versions					Order code(s)
Forced-air cooled motors w/o ext. fan/fan cover (IC418)			**1LE1503-. . . . ■-■■■■-Z**		**F90+. . .+. . .+. . .**
For options, see from page 2/125			**1LE1503-. . . . ■-■■■■-Z**		**. . .+. . .+. . .+. . .**

1) Operating values at rated power for 60 Hz are stored in the Drive Technology Configurator (DT Configurator; see Appendix, "Tools and engineering").

2) Parallel supply lines are required in the case of connection to ≤ 240 V. For frame size 315 with connection to ≤ 240 V, due to the high current, a drilled, removable entry plate (order code **R52**) or a larger terminal box (order code **R50**) can be used. Order codes **R52** and **R50** alter the motor dimensions.

3) 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 requirement exists for 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. If mounted in a different position, the position must be specified to ensure that the condensation drainage holes are positioned correctly.

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Selection and ordering data

P_{rated}, 50 Hz/ P50	P_{rated}, 60 Hz/ P60 [1]	Frame size	Operating values at rated power: n_{rated}, 50 Hz	T_{rated}, 50 Hz	Different IE class 60 Hz/P60	η_{rated}, 50 Hz, 4/4	η_{rated}, 50 Hz, 3/4	η_{rated}, 50 Hz, 2/4	$\cos\varphi_{rated}$, 50 Hz, 4/4	I_{rated}, 50 Hz, 400 V	T_{LR}/T_{rated}, 50 Hz	I_{LR}/I_{rated}, 50 Hz	T_B/T_{rated}, 50 Hz	L_{pfA}, 50 Hz	L_{WA}, 50 Hz	Cast-iron series 1LE1503 – *Basic Line* Article No.	$m_{IM\ B3}$	J
kW	kW	FS	rpm	Nm		%	%	%		A				dB(A)	dB(A)		kg	kgm^2
• Cooling: Self-ventilated (IC411) or with order code F90 forced-air cooled without external fan and fan cover (IC418)																		
• Efficiency according to IEC 60034-30-1: IE3 Premium Efficiency, service factor (SF) 1.15																		
• Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																		
4-pole: 1500 rpm at 50 Hz, 1800 rpm at 60 Hz [1]																		
0.25	**0.29**	**71 M**	1395	1.7		73.5	73.7	70.4	0.72	0.68	2.5	4.2	2.6	44	55	**1LE1503-0CB2■-■■■■**	13	0.00095
0.37	**0.43**	**71 M**	1410	2.5		77.3	76.8	73.2	0.7	0.99	3.1	4.8	3.1	56	67	**1LE1503-0CB3■-■■■■**	16	0.0014
0.55	**0.63**	**80 M**	1440	3.6		80.8	81.1	79.3	0.78	1.26	2.1	5.9	3.1	53	64	**1LE1503-0DB2■-■■■■**	18	0.0021
0.75	**0.86**	**80 M**	1450	4.9		82.5	82.3	79.9	0.75	1.75	2.7	7.1	3.9	53	64	**1LE1503-0DB3■-■■■■**	22	0.0029
1.1	**1.27**	**90 S**	1440	7.3		84.1	84.7	83.4	0.78	2.4	2.9	6.9	3.6	56	68	**1LE1503-0EB0■-■■■■**	25	0.0036
1.5	**1.75**	**90 L**	1445	9.9		85.3	86.0	85.2	0.80	3.15	2.9	7.3	3.5	60	68	**1LE1503-0EB4■-■■■■**	31	0.0049
2.2	**2.55**	**100 L**	1465	14.3	IE2	86.7	87.3	86.4	0.83	4.4	2.1	7.6	3.6	60	72	**1LE1503-1AB4■-■■■■**	40	0.014
3	**3.45**	**100 L**	1460	20		87.7	88.4	88.2	0.83	5.9	2.3	7.3	3.7	60	72	**1LE1503-1AB5■-■■■■**	40	0.014
4	**4.55**	**112 M**	1460	26		88.6	89.2	88.6	0.82	7.9	2.4	7.1	3.7	58	70	**1LE1503-1BB2■-■■■■**	46	0.017
5.5	**6.3**	**132 S**	1470	36	IE2	89.6	90.1	89.5	0.84	10.5	2.1	7.2	3.4	64	76	**1LE1503-1CB0■-■■■■**	74	0.046
7.5	**8.6**	**132 M**	1470	49	IE2	90.4	91.1	90.8	0.84	14.3	2.4	7.4	3.5	64	76	**1LE1503-1CB2■-■■■■**	80	0.046
11	**12.6**	**160 M**	1475	71		91.4	91.9	91.4	0.84	20.5	2.2	6.8	3.2	65	77	**1LE1503-1DB2■-■■■■**	109	0.083
15	**17.3**	**160 L**	1475	97		92.1	92.3	91.5	0.82	28.5	2.5	8.5	3.8	65	77	**1LE1503-1DB4■-■■■■**	127	0.099
18.5	**21.3**	**180 M**	1470	120		92.6	93.1	92.9	0.82	35	2.5	7.2	3.3	66	73	**1LE1503-1EB2■-■■■■**	165	0.13
22	**25.3**	**180 L**	1470	143		93	93.6	93.6	0.83	41	2.3	6.8	3.3	67	75	**1LE1503-1EB4■-■■■■**	170	0.14
30	**34.5**	**200 L**	1470	195	IE2	93.6	94	93.7	0.84	55	2.6	7.3	3.1	65	72	**1LE1503-2AB5■-■■■■**	240	0.22
37	**42.5**	**225 S**	1478	239	IE2	93.9	94.5	94.4	0.86	66	2.5	6.4	2.7	65	78	**1LE1503-2BB0■-■■■■**	285	0.42
45	**52**	**225 M**	1478	291	IE2	94.2	94.9	95	0.86	80	2.6	6.6	2.6	66	79	**1LE1503-2BB2■-■■■■**	340	0.52
55	**63**	**250 M**	1482	354	IE2	94.6	95.1	95	0.87	96	2.5	6.8	2.9	66	79	**1LE1503-2CB2■-■■■■**	420	0.85
75	**86**	**280 S**	1485	482	IE2	95	95.3	95	0.86	133	2.5	6.9	3	69	83	**1LE1503-2DB0■-■■■■**	570	1.4
90	**104**	**280 M**	1485	579	IE2	95.2	95.5	95.3	0.87	157	2.6	7.2	3	70	84	**1LE1503-2DB2■-■■■■**	670	1.7
110	**127**	**315 S**	1488	706		95.4	95.8	95.5	0.87	191	2.6	6.8	2.9	70	84	**1LE1503-3AB0■-■■■■**	760	2.2
132	**152**	**315 M**	1490	846		95.6	95.9	95.9	0.87	230	2.8	7.3	3	73	87	**1LE1503-3AB2■-■■■■**	960	2.9
160	**184**	**315 L**	1490	1025		95.8	96.1	96.1	0.87	275	2.9	7.3	3.1	73	87	**1LE1503-3AB4■-■■■■**	990	3.1
200	**230**	**315 L**	1488	1284	IE2	96	96.3	96.1	0.88	340	3.2	7.4	3	73	87	**1LE1503-3AB5■-■■■■**	1190	3.7

Voltages [2]		Version				Order code
50 Hz 230 VΔ/400 VY	60 Hz [1] 460 VY	**Standard**	**2**	**2**		–
50 Hz 400 VΔ/690 VY	60 Hz [1] 460 VΔ	**Standard**	**3**	**4**		–
50 Hz 500 VY		Without additional charge	**2**	**7**		–
50 Hz 500 VΔ		Without additional charge	**4**	**0**		–
For other voltages [1] and more information, see from page 2/96			**9**	**0**		. . .
Types of construction		Version				Order code
Without flange	IM B3 [3]	**Standard**			**A**	–
With flange	IM B5 [3]	With additional charge			**F**	–
For other types of construction and more information, see from page 2/103					■	. . .
Motor protection		Version				Order code
Without		**Standard**			**A**	–
PTC thermistor with 3 temperature sensors		With additional charge			**B**	–
For other motor protection and more information, see from page 2/113					■	. . .
Terminal box position		Version				
Terminal box at top		**Standard**			**4**	
For other terminal box positions and more information, see from page 2/116					■	

Special versions		Order code(s)
Forced-air cooled motors w/o ext. fan/fan cover (IC418)	**1LE1503- . . . . ■-■■■■-Z**	**F90+. . .+. . .+. . .**
For options, see from page 2/125	**1LE1503- . . . . ■-■■■■-Z**	**. . .+. . .+. . .+. . .**

[1] Operating values at rated power for 60 Hz are stored in the Drive Technology Configurator (DT Configurator; see Appendix, "Tools and engineering").

[2] Parallel supply lines are required in the case of connection to ≤ 240 V. For frame size 315 with connection to ≤ 240 V, due to the high current, a drilled, removable entry plate (order code **R52**) or a larger terminal box (order code **R50**) can be used. Order codes **R52** and **R50** alter the motor dimensions.

[3] 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 requirement exists for 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. If mounted in a different position, the position must be specified to ensure that the condensation drainage holes are positioned correctly.

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Selection and ordering data

P_{rated}, 50 Hz/ P50	P_{rated}, 60 Hz/ P60 [1]	Frame size	Operating values at rated power: n_{rated}, 50 Hz	T_{rated}, 50 Hz	Different IE class 60 Hz/P60	η_{rated}, 50 Hz, 4/4	η_{rated}, 50 Hz, 3/4	η_{rated}, 50 Hz, 2/4	$\cos\varphi_{rated}$, 50 Hz, 4/4	I_{rated}, 50 Hz, 400 V	T_{LR}/T_{rated}, 50 Hz	I_{LR}/I_{rated}, 50 Hz	T_B/T_{rated}, 50 Hz	L_{pfA}, 50 Hz	L_{WA}, 50 Hz	Cast-iron series 1LE1503 – *Basic Line* Article No.	$m_{IM\ B3}$	J
kW	kW	FS	rpm	Nm		%	%	%		A				dB(A)	dB(A)		kg	kgm^2
• Cooling: Self-ventilated (IC411) or with order code F90 forced-air cooled without external fan and fan cover (IC418)																		
• Efficiency according to IEC 60034-30-1: IE3 Premium Efficiency, service factor (SF) 1.15																		
• Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																		
6-pole: 1000 rpm at 50 Hz, 1200 rpm at 60 Hz [1]																		
0.18	**0.21**	**71 M**	885	1.9		63.9	64.8	60.8	0.69	0.59	2.3	2.8	2.3	39	50	**1LE1503-0CC2■-■■■■**	13	0.0010
0.25	**0.29**	**71 M**	885	2.7		68.6	69.5	66.2	0.69	0.76	2.6	3.2	2.6	46	57	**1LE1503-0CC3■-■■■■**	16	0.0015
0.37	**0.43**	**80 M**	940	3.8		73.5	73.1	69.4	0.66	1.1	2.3	4.2	2.7	42	53	**1LE1503-0DC2■-■■■■**	19	0.0025
0.55	**0.63**	**80 M**	935	5.6		77.2	77	73.9	0.67	1.53	2.5	4.5	2.8	42	53	**1LE1503-0DC3■-■■■■**	22	0.0031
0.75	**0.86**	**90 S**	945	7.6		78.9	80	78.8	0.7	1.96	2.2	4.6	2.6	43	55	**1LE1503-0EC0■-■■■■**	26	0.0040
1.1	**1.27**	**90 L**	950	11	IE1	81.0	81.4	79.3	0.66	2.95	2.8	5	3	60	68	**1LE1503-0EC4■-■■■■**	32	0.0052
1.5	**1.75**	**100 L**	970	14.8	IE2	82.5	83.1	81.5	0.73	3.6	1.9	5.2	2.8	59	71	**1LE1503-1AC4■-■■■■**	36	0.011
2.2	**2.55**	**112 M**	970	22	IE2	84.3	85	83.9	0.75	5	2.2	5.6	2.8	65	74	**1LE1503-1BC2■-■■■■**	53	0.017
3	**3.45**	**132 S**	975	29		85.6	86.1	84.9	0.73	6.9	2.3	6.6	3.2	56	66	**1LE1503-1CC0■-■■■■**	60	0.034
4	**4.55**	**132 M**	975	39		86.8	87.1	86.2	0.73	9.1	2.2	6.2	3	67	75	**1LE1503-1CC2■-■■■■**	64	0.039
5.5	**6.3**	**132 M**	975	54		88.0	88.3	87.2	0.72	12.5	2.7	6.8	3.4	64	72	**1LE1503-1CC3■-■■■■**	76	0.050
7.5	**8.6**	**160 M**	985	73		89.1	89.5	88.6	0.81	15	2.3	7.9	3.2	71	79	**1LE1503-1DC2■-■■■■**	124	0.132
11	**12.6**	**160 L**	980	107		90.3	90.8	90.2	0.80	22	2.9	6.8	2.8	66	74	**1LE1503-1DC4■-■■■■**	138	0.164
15	**18**	**180 L**	975	147	IE2	91.2	92	91.9	0.8	29.5	2.3	5.9	2.8	61	68	**1LE1503-1EC4■-■■■■**	180	0.19
18.5	**22**	**200 L**	978	181	IE2	91.7	92.5	92.4	0.79	37	2.5	5.6	2.6	64	71	**1LE1503-2AC4■-■■■■**	215	0.28
22	**26.5**	**200 L**	978	215	IE2	92.2	93.1	93.2	0.79	43.5	2.5	5.6	2.6	61	68	**1LE1503-2AC5■-■■■■**	230	0.32
30	**36**	**225 M**	982	292	IE2	92.9	93.6	93.5	0.83	56	2.6	6.6	3	64	77	**1LE1503-2BC2■-■■■■**	325	0.67
37	**44.5**	**250 M**	985	359	IE2	93.3	94	94	0.85	67	2.7	7	2.9	62	75	**1LE1503-2CC2■-■■■■**	405	1
45	**54**	**280 S**	988	435	IE2	93.7	94.3	94.2	0.85	82	3	6.8	2.8	60	74	**1LE1503-2DC0■-■■■■**	510	1.4
55	**66**	**280 M**	988	532	IE2	94.1	94.5	94.4	0.85	99	3.3	7.2	3	65	79	**1LE1503-2DC2■-■■■■**	560	1.64
75	**90**	**315 S**	990	723		94.6	94.9	94.4	0.84	136	2.6	7.5	3.1	63	78	**1LE1503-3AC0■-■■■■**	750	2.6
90	**108**	**315 M**	991	867	IE2	94.9	95.2	94.9	0.85	161	2.5	6.7	2.8	63	78	**1LE1503-3AC2■-■■■■**	890	3.1
110	**132**	**315 L**	991	1060		95.1	95.5	95.3	0.84	199	2.8	7.2	3	63	78	**1LE1503-3AC4■-■■■■**	990	3.9
132	**158**	**315 L**	992	1271	IE2	95.4	95.7	95.4	0.82	245	3.3	8	3.3	66	81	**1LE1503-3AC5■-■■■■**	1130	4.48
160	**192**	**315 L**	992	1540	IE2	95.6	95.8	95.5	0.82	295	3.5	8.5	3.6	66	81	**1LE1503-3AC6■-■■■■**	1260	5.41

Voltages [2]		Version			Order code
50 Hz 230 VΔ/400 VY	60 Hz [1] 460 VY	**Standard**	2	2	–
50 Hz 400 VΔ/690 VY	60 Hz [1] 460 VΔ	**Standard**	3	4	–
50 Hz 500 VY		Without additional charge	2	7	–
50 Hz 500 VΔ		Without additional charge	4	0	–
For other voltages [1] and more information, see from page 2/96			9	0	. . .

Types of construction		Version		Order code
Without flange	IM B3 [3]	**Standard**	A	–
With flange	IM B5 [3]	With additional charge	F	–
For other types of construction and more information, see from page 2/103			■	. . .

Motor protection	Version		Order code
Without	**Standard**	A	–
PTC thermistor with 3 temperature sensors	With additional charge	B	–
For other motor protection and more information, see from page 2/113		■	. . .

Terminal box position	Version		
Terminal box at top	**Standard**	4	
For other terminal box positions and more information, see from page 2/116		■	

Special versions			Order code(s)
Forced-air cooled motors w/o ext. fan/fan cover (IC418)	**1LE1503-. . . . ■-■■■■**	-Z	F90+. . .+. . .+. . .
For options, see from page 2/125	**1LE1503-. . . . ■-■■■■**	-Z	. . .+. . .+. . .+. . .

1) Operating values at rated power for 60 Hz are stored in the Drive Technology Configurator (DT Configurator; see Appendix, "Tools and engineering").

2) Parallel supply lines are required in the case of connection to ≤ 240 V. For frame size 315 with connection to ≤ 240 V, due to the high current, a drilled, removable entry plate (order code **R52**) or a larger terminal box (order code **R50**) can be used. Order codes **R52** and **R50** alter the motor dimensions.

3) 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 requirement exists for 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. If mounted in a different position, the position must be specified to ensure that the condensation drainage holes are positioned correctly.