

Rated output at		Frame size	Operating characteristics at rated output							Order No.	Price	Weight
50 Hz	60 Hz		Rated speed at 50 Hz	Rated torque at 50 Hz	Relevant for IE changeover					For Order No. supplements for voltage, type of construction, motor protection and connection box, see table from Page 3.	For type of construction IM B3	For type of construction IM B3 approx.
					Efficiency Class according to IEC 60034-30 standard	Efficiency at 50 Hz 100 %-load η_{rated} %	Efficiency at 50 Hz 75 %-load η_{rated} %	Power factor at 50 Hz 100 %-load $\cos\varphi_{rated}$	Rated current at 400 V, 50 Hz I_{rated} A			
P_{rated} kW	P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm								m kg
Motor version: temperature class 155 (F), IP55 degree of protection, with increased output, used acc. to temperature class 130 (B)												
2-pole – 3000 rpm at 50 Hz, 3600 rpm at 60 Hz												
4	4.6	100 L	2905	13	IE2	85.8	86.3	0.86	7.8	1LE1001-1AA6Q-0000Q		26
5.5	6.3	112 M	2950	18	IE2	87	86.7	0.89	10.3	1LE1001-1BA6Q-0000Q		34
11	12.6	132 M	2955	36	IE2	89.4	90	0.89	20	1LE1001-1CA6Q-0000Q		57
22	25.3	160 L	2955	71	IE2	91.3	91.7	0.89	39	1LE1001-1DA6Q-0000Q		94
4-pole – 1500 rpm at 50 Hz, 1800 rpm at 60 Hz												
4	4.6	100 L	1460	26	IE2	86.6	86.6	0.8	8.3	1LE1001-1AB6Q-0000Q		30
5.5	6.3	112 M	1460	36	IE2	87.7	87.7	0.81	11.2	1LE1001-1BB6Q-0000Q		34
11	12.6	132 M	1465	72	IE2	89.8	89.8	0.84	21	1LE1001-1CB6Q-0000Q		64
18.5	21.3	160 L	1475	120	IE2	91.2	91.2	0.85	34.5	1LE1001-1DB6Q-0000Q		100
6-pole – 1000 rpm at 50 Hz, 1200 rpm at 60 Hz												
2.2	2.55	100 L	965	22	IE2	81.8	82.5	0.76	5.1	1LE1001-1AC6Q-0000Q		30
3	3.45	112 M	960	30	IE2	83.3	83.4	0.79	6.6	1LE1001-1BC6Q-0000Q		34
7.5	8.6	132 M	970	74	IE2	87.2	87.2	0.77	16.1	1LE1001-1CC6Q-0000Q		64
15	17.3	160 L	975	147	IE2	89.7	89.9	0.81	30	1LE1001-1DC6Q-0000Q		115

Order No.	Locked-rotor torque	Locked-rotor current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output	
	with direct starting torque	as multiple of rated current	torque			Measuring-surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm ²	L_{pA} dB(A)	L_{WA} dB(A)
Motor version: temperature class 155 (F), IP55 degree of protection, with increased output, used acc. to temperature class 130 (B)							
2-pole – 3000 rpm at 50 Hz, 3600 rpm at 60 Hz							
1LE1001-1AA6Q-QQQQ	2.5	7.6	3.5	16	0.0054	67	79
1LE1001-1BA6Q-QQQQ	2.2	7.7	3.3	16	0.0119	73	85
1LE1001-1CA6Q-QQQQ	2.5	7.9	3.2	16	0.03143	68	80
1LE1001-1DA6Q-QQQQ	3.1	8.4	3.7	16	0.06764	70	82
4-pole – 1500 rpm at 50 Hz, 1800 rpm at 60 Hz							
1LE1001-1AB6Q-QQQQ	2.2	7.5	3.5	16	0.0137	60	72
1LE1001-1BB6Q-QQQQ	2.5	7.1	3.1	16	0.0166	58	70
1LE1001-1CB6Q-QQQQ	2.9	7.7	3.1	16	0.04571	64	76
1LE1001-1DB6Q-QQQQ	2.8	7.7	3.3	16	0.09854	65	77
6-pole – 1000 rpm at 50 Hz, 1200 rpm at 60 Hz							
1LE1001-1AC6Q-QQQQ	1.9	5.7	2.9	16	0.0137	59	71
1LE1001-1BC6Q-QQQQ	2.1	6	3.1	16	0.0166	57	69
1LE1001-1CC6Q-QQQQ	2.1	6.5	3	16	0.04572	63	75
1LE1001-1DC6Q-QQQQ	1.9	6.5	2.9	16	0.1208	67	79

Order No. supplements

Motor type	Frame size	Positions 12 and 13: Voltages (voltage codes)							
		Standard voltages				Further voltages			
		50 Hz				50 Hz			
		230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	220 VΔ/380 VY	380 VΔ/660 VY	415 VY	415 VΔ
		60 Hz				Rated voltage range			
		460 VY	460 VΔ	(210 ... 230 VΔ/ 360 ... 400 VY) ¹⁾ (360 ... 400 VΔ/ 625 ... 695 VY) ¹⁾ (395 ... 435 VY) ¹⁾ (395 ... 435 VΔ) ¹⁾					
see "Selection and ordering data" for outputs at 60 Hz									
		22	34	27	40	21	33	23	35
1LE1001-1A..□-□...	100 L	○	○	○	○	✓	✓	✓	✓
1LE1001-1B..□-□...	112 M	○	○	○	○	✓	✓	✓	✓
1LE1001-1C..□-□...	132 M	○	○	○	○	✓	✓	✓	✓
1LE1001-1D..□-□...	160 L	○	○	○	○	✓	✓	✓	✓
○	Without additional charge					Order other voltages with voltage code 9 in position 12, code 0 in position 13 and the corresponding order code (see "Special versions" under "Voltages").			
✓	With additional charge								

Motor type	Frame size	Position 14: Types of construction (type letter)												
		Without flange								With flange (acc. to DIN EN 50347)				
		IM B3 2) 3)	IM B6 3)	IM B7 3)	IM B8 3)	IM V6 3)	IM V5 without protective cover 3)	IM V5 with protective cover 3) 4) 5)	Flange size	IM B5 3) 6)	IM V1 without protective cover 3)	IM V1 with protective cover 3) 4) 5)	IM V3 3)	IM B35
		A	T	U	V	D	C	C -Z H00	F	G	G -Z H00	H	J	
		Order No. supplement -Z with order code	-	-	-	-	-	-	-	-	-	-	-	-
1LE1001-1A...-Q..	100 L	□	□	□	□	□	□	✓	FF 215	✓	✓	✓	✓	✓
1LE1001-1B...-Q..	112 M	□	□	□	□	□	□	✓	FF 215	✓	✓	✓	✓	✓
1LE1001-1C...-Q..	132 M	□	□	□	□	□	□	✓	FF 265	✓	✓	✓	✓	✓
1LE1001-1D...-Q..	160 L	□	□	□	□	□	□	✓	FF 300	✓	✓	✓	✓	✓

Motor type	Frame size	Position 14: Types of construction (type letter)											
		With standard flange (acc. to DIN EN 50347)						With standard flange (next larger standard flange acc. to DIN EN 50347)					
		Flange size	IM B14 3) 7)	IM V19 3)	IM V18 without protective cover 3)	IM V18 with protective cover 3) 4) 5)	IM B34	Flange size	IM B14 3) 7)	IM V19 3)	IM V18 without protective cover 3)	IM V18 with protective cover 3) 4) 5)	IM B34
			K	L	M	M -Z H00	N		K	L	M	M -Z H00 P01	N
		Order No. supplement -Z with order code	-	-	-		-		-Z	-Z	-Z		-Z
								P01	P01	P01	P01	P01	
1LE1001-1A...-Q..	100 L	FT 130	✓	✓	✓	✓	✓	FT 165	✓	✓	✓	✓	✓
1LE1001-1B...-Q..	112 M	FT 130	✓	✓	✓	✓	✓	FT 165	✓	✓	✓	✓	✓
1LE1001-1C...-Q..	132 S/M	FT 165	✓	✓	✓	✓	✓	FT 215	✓	✓	✓	✓	✓
1LE1001-1D...-Q..	160 M/L	FT 215	✓	✓	✓	✓	✓	-	-	-	-	-	-

- Standard version
✓ With additional charge

- 1)

A rated voltage range is also specified on the rating plate.
- 2)

The types of construction IM B6/7/8, IM V6 and IM V5 without protective cover/with protective cover are also possible as long as no condensation drainage holes (order code **H03**) and no stamping of these types of construction on the rating plate are required. As standard, the type of construction IM B3 is then stamped on the rating plate. With type of construction IM V5 with protective cover, the protective cover has to be additionally ordered with order code **H00**. The protective cover is not stamped on the rating plate.
- 3)

The type of construction is stamped on the rating plate. When ordering with condensation drainage holes (order code **H03**), it is absolutely necessary to specify the type of construction for the exact position of the condensation drainage holes during manufacture.
- 4)

Option second shaft extension (order code **L05**) not possible.
- 5)

In combination with an encoder, it is not necessary to order the protective cover (order code **H00**), as this is delivered as a protection for the encoder as standard. In this case, the protective cover is standard design (without additional charge).
- 6)

The types of construction IM V3 and IM V1 without protective cover/with protective cover are also possible as long as no condensation drainage holes (order code **H03**) and no stamping of these types of construction on the rating plate are required. As standard, the type of construction IM B5 is then stamped on the rating plate. With type of construction IM V1 with protective cover, the protective cover has to be additionally ordered with order code **H00**. The protective cover is not stamped on the rating plate.
- 7)

The types of construction IM V19 and IM V18 without protective cover/with protective cover are also possible as long as no condensation drainage holes (order code **H03**) and no stamping of these types of construction on the rating plate are required. As standard, the type of construction IM B14 is then stamped on the rating plate. With type of construction IM V18 with protective cover, the protective cover has to be additionally ordered with order code **H00**. The protective cover is not stamped on the rating plate.

Motor type	Frame size	Position 15: Motor protection (motor protection letter)					
		Without motor protection	Motor protection with PTC thermistors with 3 embedded temperature sensors for tripping ¹⁾	Motor protection with PTC thermistors with 6 embedded temperature sensors for alarm and tripping ¹⁾	Motor temperature detection with embedded temperature sensor KTY 84-130 ¹⁾	NTC thermistors for tripping	Temperature detectors for tripping ¹⁾
		A	B	C	F	Z	Z
Order code		Q2A	Q3A				
1LE1001-1A...-□	100 L	□	✓	✓	✓	✓	✓
1LE1001-1B...-□	112 M	□	✓	✓	✓	✓	✓
1LE1001-1C...-□	132 M	□	✓	✓	✓	✓	✓
1LE1001-1D...-□	160 L	□	✓	✓	✓	✓	✓

□

Standard version

✓

With additional charge

Motor type	Frame size	Position 16: Connection box (connection box code)			
		Connection box top ²⁾	Connection box on RHS ²⁾	Connection box on LHS ²⁾	Connection box bottom ²⁾
		4	5	6	7
1LE1001-1A...-...□	100 L	□	✓	✓	✓
1LE1001-1B...-...□	112 M	□	✓	✓	✓
1LE1001-1C...-...□	132 M	□	✓	✓	✓
1LE1001-1D...-...□	160 L	□	✓	✓	✓

□ Standard version
 ✓ With additional charge

¹⁾ Evaluation with appropriate tripping unit (see Catalog LV 1) is recommended.
²⁾ With type of construction, screwed-on feet as standard.