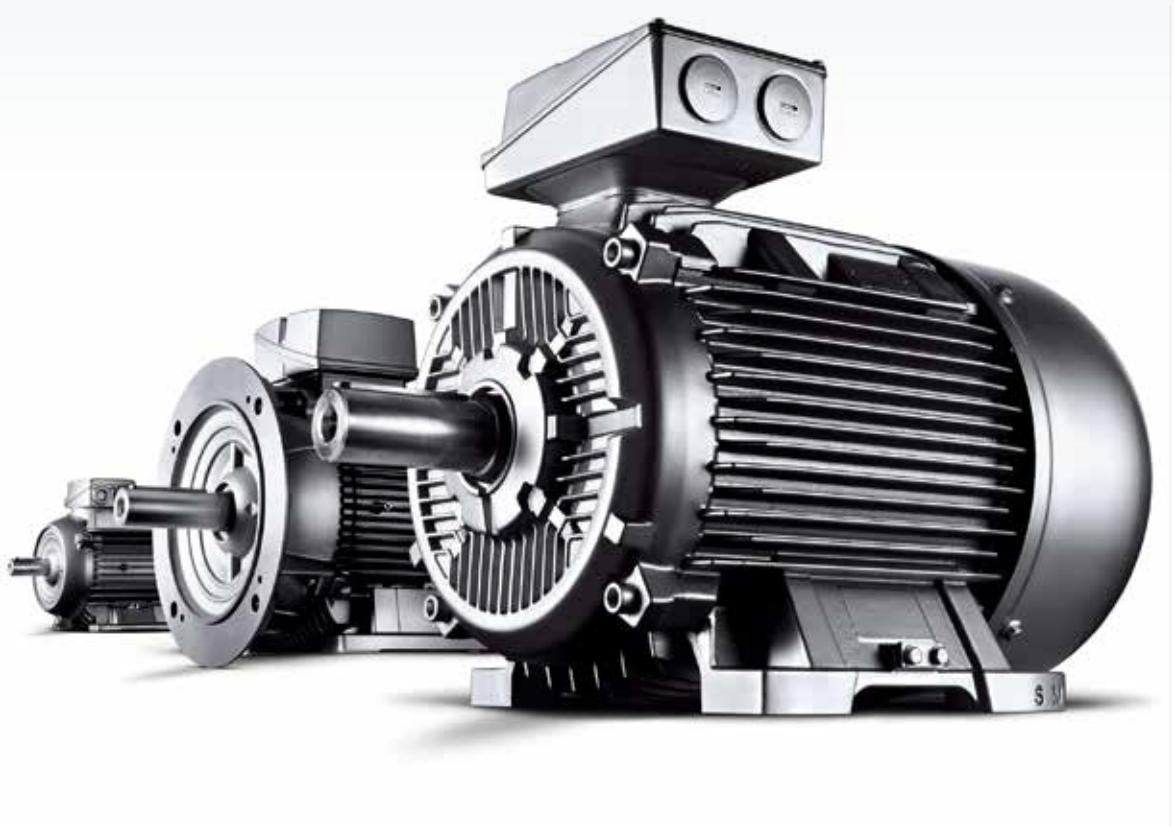
SIEMENS

Ingenuity for life



西门子铝壳低压交流异步电机

SIMOTICS Aluminum Low-Voltage Motors

siemens.com.cn/fom

电气特性
Electrical Features

IEC 60034-1标准 Standard IEC 60034-1	A类 Category A	B类 Category B
电压偏差 Voltage deviation	±5 %	±10 %
频率偏差 Frequency deviation	±2 %	3 % / -5 %

IEC 60034-1将电压和频率的偏差分为A类（电压偏差±5 %，频率偏差±2%） 和B类（电压偏差10% 和频率偏差+3%/-5%）。电动机均能够在A类和B类提供额定转矩。在A类中，温度比正常运行下温度大约提升10K。

IEC 60034-1 differentiates between Category A (combination of voltage deviation ±5 % and frequency deviation ±2 %) and Category B (combination of voltage deviation ±10 % and frequency deviation +3 % / -5 %) for voltage and frequency fluctuations.
The motors can supply their rated torque in both Category A and B. In Category A, the temperature rise is approximately 10 K higher than during normal operation.

电气数据公差

- 效率 η
  P_{rated} ≤ 150 kW: - 0.15 x (1 – η)
  P_{rated} > 150 kW: - 0.10 x (1 – η)
  效率 η 为小于1的值
- 功率因数 - (1 – cos φ) / 6
  最小绝对值：0.02
  最大绝对值：0.07
- 转差率：±20 %（电机的偏差< 1 kW ±30 %是允许的）
- 堵转电流：+20%
- 堵转转矩：-15%到+25 %
- 最大转矩：-10%
- 转动惯量：±10 %

Tolerance for electrical data

- Efficiency η at
  P_{rated} ≤ 150 kW: - 0.15 x (1 – η)
  P_{rated} > 150 kW: - 0.10 x (1 – η)
  With η being a decimal number
- Power factor - (1 – cos φ) / 6
  Minimum absolute value: 0.02
  Maximum absolute value: 0.07
- Slip ±20 % (for motors < 1 kW ±30 % is admissible)
- Locked-rotor current +20 %
- Locked-rotor torque -15 % to +25 %
- Breakdown torque -10 %
- Moment of inertia ±10 %

振动 Vibration

所有电动机转子都使用半键 按照A级 （标准）振动等级进行动态平衡。

Rotors are dynamically balanced with half key.
This corresponds to vibration quantity level A.

振动距离的最大振动量范围（s），轴高H时的振动速度（v）和加速度(a)
Limits (rms values) for max. vibration quantity of vibration distance (s), vibration speed (v) and acceleration (a) for the shaft height H

振动量级别 Vibration quantity level	机器安装 Machine installation	轴高H（mm）Shaft height H in mm 56 ≤ H ≤ 132			132 < H ≤ 160		
		s_{rms} µm	v_{rms} mm/s	a_{rms} mm/s²	s_{rms} µm	v_{rms} mm/s	a_{rms} mm/s²
A	自由悬置 Free suspension	25	1.6	2.5	35	2.2	3.5
	刚性夹紧 Rigid clamping	21	1.3	2.0	29	1.8	2.8
B	自由悬置 Free suspension	11	0.7	1.1	18	1.1	1.7
	刚性夹紧 Rigid clamping	–	–	–	14	0.9	1.4

电机选型和订货号结构 · 16 位
Motor selection and Order No. structure · 16 digits

概述

订货号包含了数字和字母并且被分成三部分，用连字符号连接。

第一部分（位置1~7）定义了电机型号和效率等级；第二部分（位置8~12）定义了电机机座号和长度，极数以及某些情况的频率/输出功率/电压；而在第三部分（位置13~16）则有频率/输出功率/电压，结构类型和其他设计特点。

Overview

The article number consists of a combination of figures and letters and is divided into three blocks linked with hyphens for a better overview.

The first block (Position 1 to 7) identifies the motor type and efficiency level; the second block (Position 8 to 12) defines the motor frame size and length, the number of poles and in some cases the frequency/output; and in the third block (Position 13 to 16) the frequency/output, type of construction and other design features are encoded.

订货号结构（1LE10系列） Structure of Article No. (and 1LE10 series)

结构 Structure	位置 Position: 1 2 3 4 5 6 7 - 8 9 10 11 12 - 13 14 15 16 - Z
位置1~6: Position 1 to 6:	**低压电机系列 Low-voltage motor series** • 铝壳系列 Aluminum — **1 L E 1 0 0**
位置7： Position 7:	**电机效率 Motor efficiency** • 高效率电机-IE2 Motor with high efficiency - IE2 — **1**
位置8和9： Position 8 and 9:	**机座号 Frame size** • 0D = 080; 0E = 090 • 1A = 100; 1B = 112; 1C = 132; 1D = 160;
位置10: Position 10:	**极数 Number of poles** • A = 2; B = 4; C = 6
位置11: Position 11:	**机座长度 Frame length** • 0 or 1 = S (短 short) • 2 or 3 = M (中 medium) • 4, 5, 6 or 7 = L (长 long)
位置12和13: Position 12 and 13:	**电压，接法，频率 Voltage, circuit and frequency** • 21 = 220VD / 380VY 50Hz • 22 = 230VD / 400VY 50 Hz • 34 = 400VD / 690VY 50 Hz • 33 = 380VD / 660VY 50 Hz • 90 [b] = 特殊电压及频率 special voltage & frequency
位置14: Position 14:	**安装结构形式 Type of construction** • A = IM B3 • J = IM B35 • F = IM B5 • G = IM V1 • K = IM B14 • T = IM B6 • U = IM B7 • V = IM B8 • D = IM V6 • C = IM V5 • H = IM V3 • W = IM V15 • Y = IM V35 • L = IM V19 • M = IM V18 • N = IM B34
位置15: Position 15:	**电机保护 Motor protection** • A = 无绕组保护 without winding protection • B = 三芯 串联的PTC热敏电阻用于跳闸 3 PTC thermistors for tripping • C = 绕组带两组三芯串联的 PTC 热敏电阻用于报警和跳闸 Motor protection with PTC thermistors with six embedded temperature sensors for alarm & tripping
位置16: Position 16:	**接线盒位置 Terminal box location (view from drive end)** • 4-顶端 4 = on top；5 - 右侧 on RHS；6 - 左侧 on LHS
	特殊的订货版本 Special order version 若有冲突-需要订单（选件）号 Coded - Order (option) code also required [b]

订货案例 Ordering example

选择标准 Selection criteria	要求 Requiremet	订货号 Structure of the Article No.
电机型号 Motor type	Aluminum motor with IP55 degree of protection	1LE100■-■■■■■-■■■■
Efficiency	High efficiency IE2	1LE1001-■■■■■-■■■■
电机机座号/极数/速度 Motor frame size / No. of poles / Speed	160/4极/1500转速 4 160 / 4-pole / 1500 rpm	1LE1001-1DB2■-■■■■
额定输出功率 Rated output	11 kW	
电压和频率 Voltage and frequency	400 V, 50 Hz	1LE1001-1DB23-4■■■
安装结构型号 Type of construction	IM B3	1LE1001-1DB23-4A■■
Motor protection	3 PTC thermistors	1LE1001-1DB23-4AB■
Mechanical design	Terminal box on top	1LE1001-1DB23-4AB4
特殊系列 Special versions	230V防冷凝加热 Anti-condensation heating for 230 V	1LE1001-1DB23-4AB4-Z Q02

电机选型和订货号结构 · 12位
Motor selection and Order No. structure · 12 digits

概述

第一部分（位置1~7）定义了电机型号和电机机座号；而第二部分定义了极数，频率/输出功率电压和安装结构形式。

Overview

The article number consists of a combination of figures and letters and is divided into two blocks linked with hyphens for a better overview.

The first block (Position 1 to 7) identifies motor type and motor frame size; and the second block defines number of poles, frequency/output and type of construction.

订货号结构（1LA9系列） Structure of Article No. (1LA9 series)

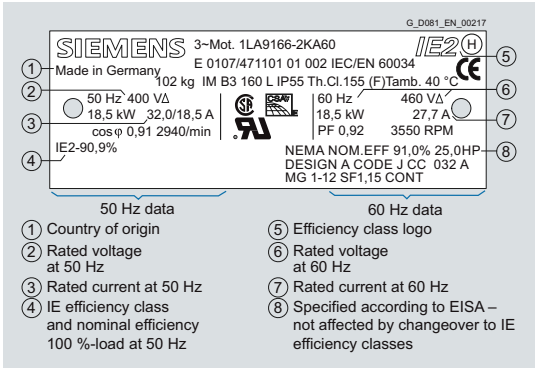
结构 Structure		位置 Position: 1 2 3 4 5 6 7 - 8 9 10 11 12 - Z
位置1~4： Position 1 to 4:	**低压电机系列 Low-voltage motor series** • IE2铝壳电机 IE2 Aluminum motor	**1 L A 9**
位置5~7： Position 5 to 7:	**机座号 Frame size** (机座号包含了轴长和结构长度) (frame size comprising shaft height and construction length) • 060 • 063 • 070 • 073	
位置8： Position 8:	**极数 Number of poles** • 2 • 4 • 6	
位置9~10: Position 9 to 10:	**版本 Version** • AA • AB	
位置11: Position 11:	**电压，接法和频率 Voltage, circuit and frequency** • 1 = 230VD / 400VD 50Hz • 6 = 400 VD/690VY 50HZ • 9 [a] = 特殊电压及频率 9= special voltage & frequency	
位置12： Position 12:	**安装结构形式 Type of construction** • 0 = IM B3 • 6 = IM B35 • 1 = IM B5 • 4 = IM V1 • 2 = IM B14 • 7=IM B34	
	特殊订货版本 Special order version 若有冲突-需要订购（选件）号 Coded - Order (option) code also required [a]	

订货案例 Ordering example

选择标准 Selection criteria	要求 Requirement	订货号结构 Structure of the Article No.
电机型号 Motor type	铝壳电机 Aluminum motor	1LA9■■■-■■■■■
电机机座号/极数/转速 Motor frame size / No. of poles / Speed	71/4极/1500转速 71/4-pole / 1500 rpm	1LA9073-4KA■■
额定输出功率 Rated output	0.37 kW	
电压和频率 Voltage and frequency	400 V, 50 Hz	1LA9073-4KA6■
安装结构形式 Type of construction	IM B3	1LA9073-4KA60
选件代码 Special versions	驱动端轴承固定 Located bearing on DE	1LA9073-4KA60-Z K94

铭牌示例
Example of nameplate

铭牌
1LA9 系列



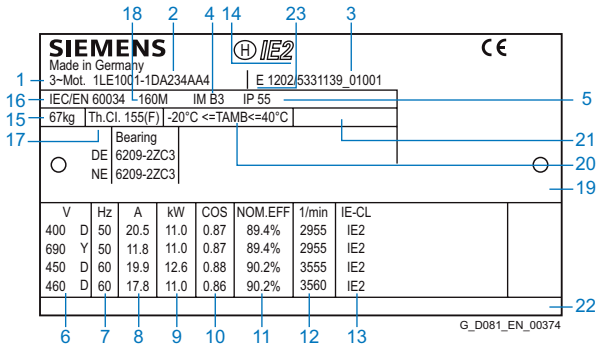
图例：

1 产地
2 额定电压 （50HZ）
3 额定电流 （50HZ）
4 能效等级与满载时的效率（50HZ）
5 能效等级商标
6 额定电压 （60HZ）
7 额定电流 （60HZ）
8 EISA规定 – 不受能效等级转变影响

Legend:

1 Country of origin
2 Rated voltage at 50 Hz
3 Rated current at 50 Hz
4 IE efficiency class and nominal efficiency 100 %-load at 50Hz
5 Efficiency class logo
6 Rated voltage at 60 Hz
7 Rated current at 60 Hz
8 Specified according to EISA – not affected by changeover to IE efficiency classes

铭牌
1LE10 系列



图例：

1 低压三相电机
2 订货号
3 出厂号（序列号）
4 安装结构形式
5 防护等级
6 额定电压（V）和绕线连接
7 频率 [Hz]
8 额定电流[A]
9 额定输出功率[kW]
10 功率因数[cos φ]
11 效率
12 额定转速[rpm]
13 能效等级
14 平衡方法和能效等级
15 电机净重[kg]
16 标准和规则
17 温度等级
18 机座号
19 额外细节（可选）
20 环境温度范围(只有当它偏离正常)
21 海拔高度(只有当超过1000M)
22 客户数据(可选)
23 生产日期YYMM

Legend:

1 Three-phase low-voltage motor
2 Article No.
3 Factory number (Ident No., serial number)
4 Type of construction
5 Degree of protection
6 Rated voltage [V] and winding connections
7 Frequency [Hz]
8 Rated current [A]
9 Rated output [kW]
10 Power factor [cos φ]
11 Efficiency
12 Rated speed [rpm]
13 Efficiency class
14 Balance method and efficiency class
15 Machine weight [kg]
16 Standards and regulations
17 Temperature class
18 Frame size
19 Additional details (optional)
20 Operating temperature range (only if it deviates from normal)
21 Site altitude (only when higher than 1000 m)
22 Customer data (optional)
23 Date of manufacture YYMM

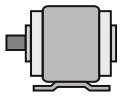
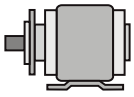
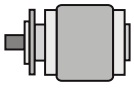
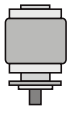
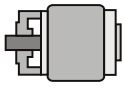
结构安装形式
Type of construction

除了基本的IM B3安装结构形式，电机还有其他安装形式。在我们给您的选项里我们提供最常使用的安装结构形式，特定的电机型号能从下表中选取 。

In addition to the basic IM B3 type of construction, motors can also be supplied in other types of construction. We provide most commonly used type of constructions in our selection for you, as well as possibility for own modification.

The possible versions in our selection for a particular motor type can be taken from the table below.

标准的安装结构形式
Standard type of construction

根据DIN EN60034-7的安装结构型号 Type of construction according to DIN EN 60034-7		机座号 Frame size	16位订货号 订货号的第14位 16 Digits Article No. 14th position of the Article No.	12位订货号 订货号的第12位 12 Digits Article No. 12th position of the Article No.
IM B3		63 to 160	A	0
IM B35		63 to 160	J	6
IM B5		63 to 160	F	1
IM V1		63 to 160	G	1
IM B14		63 to 160	K	2

您知道吗？
Did you know

当电机安装在各种不同位置时，要考虑到排泄口的位置———必须要以最低端排水。

When mounting the motors in diverse orientations consider the location of the drain hole – it must be at the lowest point to drain water.

结构安装形式 Types of construction

结构型式 Construction type	机座带底脚，端盖无法兰 With feet and without flange on the end-shield (DE)				
安装型式 Mounting type	IM B6 FS 80 ~ 315	IM B7 FS80 ~ 315	IM B8 FS 80 ~ 315	IM V5 [1] FS 80 ~ 315	IM V6 [2] FS 80 ~ 315
示意图 Diagram					
16位订货号 订货号的第14位 16 Digits Article No. 14th position of the Article No	T	U	V	C	D
12位订货号 订货号的第12位 12 Digits Article No. 12th position of the Article No.	0				

结构型式 Construction type	机座不带底脚，端盖有法兰 Without feet and with flange on the end-shield (DE)	机座带底脚，端盖有法兰 With feet and with flange on the end-shield (DE)	
安装型式 Mounting type	IM V3 [2] FS 80 ~ 315	IM V15 [1] FS 80 ~ 315	IM V35 [2] FS 80 ~ 315
示意图 Diagram			
16位订货号 订货号的第14位 16 Digits Article No. 14th position of the Article No	H	W	Y
12位订货号 订货号的第12位 12 Digits Article No. 12th position of the Article No.	1	6	

结构型式 Construction type	机座不带底脚，端盖有标准小法兰 Without feet and with C-flange on the end-shield (DE)		机座带底脚，端盖有标准小法兰 With feet and with C-flange on the end-shield (DE)
安装型式 Mounting type	IM V18 [1] FS 80 ~ 160	IM V19 [2] FS 80 ~ 160	IM B34 FS 80 ~ 160
示意图 Diagram			
16位订货号 订货号的第14位 16 Digits Article No. 14th position of the Article No	M	L	N
12位订货号 订货号的第12位 12 Digits Article No. 12th position of the Article No.	2		9 （选件Option code: M2C）

[1] 室外使用时推荐使用护罩（选件号 H00）；

[2] 当户外安装时，推荐对电动机轴采取防护措施，避免水直接喷射到电动机轴上。

[1] At outdoor application, the using of protective cover (Option code H00) is recommended

[2] At out door application the protection of shaft again jet-water is recommended

接线盒
Terminal box

TIP

接线盒标准位置处于机座顶端，且自身可 4 x 90°旋转安装-1LE1甚至达360°-从而使电缆可以从各个方向进入。

所有接线盒都有两个用螺塞密封 的进线孔。

The terminal box is located on the top of the motor housing as standard, and can be rotated by 4 x 90° – on some 1LE1 even 360° – to allow for cable entry from each direction.

All terminal boxes have two cable entries sealed by a screwed plug.

1LA9

机座号 Frame size	铝壳系列 Aluminum Series 能效等级IE2 Efficiency IE2 1LA9				
	主接线端子数 Number of terminals	接线螺钉螺纹 Contact screw thread	引接线最大截面积(mm^2) Max. connectable cross-section (mm^2)	外接电缆直径（mm） Outer cable diameter (sealing range)	进线孔尺寸（螺塞） Cable entry size (screwed plug)
63	6	M4	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5
71	6	M4	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5
80	6	M4	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5
90	6	M4	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5

1LE10

机座号 Frame size	铝壳系列 Efficiency IE2 能效等级IE2 1LE1001				
	主接线端子数 Number of terminals	接线螺钉螺纹 Contact screw thread	引接线最大截面积(mm^2) Max. connectable cross-section (mm^2)	外接电缆直径（mm） Outer cable diameter (sealing range)	进线孔尺寸（螺塞） Cable entry size (screwed plug)
80	6	M3.5	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5
90	6	M3.5	1.5	9 ... 17	1xM25x1.5 + 1xM16x1.5
100	6	M4	4	11 ... 21	2xM32x1.5
112	6	M4	4	11 ... 21	2xM32x1.5
132	6	M4	6	11 ... 21	2xM32x1.5
160	6	M5	16	19 ... 28	2xM40x1.5

铝壳电动机对于客户相当人性化。机座号100至160的接线盒介绍已经证明了它的价值,并对于 机座号80和90的2、4极电动机始终有效。

接线盒只用一个螺钉固定并能360°旋转安装。接线盒也用一个接线板预安装。这使在狭窄空间的安装更快更方便，使电动机接线电缆能从各个方向进入。

Motors with an aluminum housing are particularly user friendly. The terminal box introduced for frame sizes 100 to 160 has proven its worth and is consistently implemented throughout the motor series for 2- and 4-pole motors of frame sizes 80 and 90.

The terminal box is only fixed with one screw and can be rotated steplessly by up to 360°. The terminal box is also preconfigured with a terminal board. This makes installation quicker and easier in confined spaces as the motor connection cables can be fed in from any direction.

技术数据
Technical data

	铝壳系列 Aluminum Series						
能效等级 Efficiency class				IE2			
系列 Series	1LA9			1LE1001			
极数 No. of poles	2	4	6	2	4	6	8
冷却方式 Cooling	自通风(IC 411) Self-ventilated (IC 411)			自通风(IC 411) Self-ventilated (IC 411)			
防护等级 Degree of protection	IP55			IP55			
温升等级 Insulation	155（F） 155（F）			155（F） 155（F）			
使用 Utilization	热分级130（B） Thermal class 130(B)			热分级130（B） Thermal class 130(B)			
机座号 Frame size	63 ... 90			80 ... 160			
50Hz时的额定功率 Rated output at 50 Hz	0.09 ... 2.2 kW			0.37 ... 18.5 kW			
50Hz时的额定转矩 Rated torque at 50 Hz	0.61 ... 11 Nm			2.6 ... 108 Nm			

电气数据-1LE10 – IE2 – 2极 Electrical data - 1LE10 - IE2 - 2-pole
(IE2 铝壳系列) 3000 rpm 2极, 400 V 50 Hz (IE2 Aluminum) 3000 rpm 2-pole, 400 V 50 Hz

额定输出功率 Rated output kW	机座号 Frame size	订货号 Article number	IE等级 IE class	额定 Rated 转速 speed rpm	额定 Rated 转矩 torque Nm	额定功率因数 Rated power factor	效率等级当Efficiency at 100%负载 100% load %	效率等级当Efficiency at 75%负载 75% load %	效率等级当Efficiency at 50%负载 50% load %	启动 Starting 电流 current A	启动 Starting 转矩 torque Nm	最大转矩 Break-down torque Nm	转动惯量 Moment of inertia kgm²	转矩等级 Torque class	净重 (IMB3) Net weight (IMB3) kg
0.18	63M	1LA9060-2KA ...	IE2	2840	0.61	0.78	67.4	66.9	62.4	4.8	2.5	3.1	0.00022	16	4.0
0.25	63 M	1LA9063-2KA ...	IE2	2840	0.84	0.80	69.9	69.9	65.9	4.9	2.3	2.5	0.00026	16	4.7
0.37	71 M	1LA9070-2KA ...	IE2	2840	1.2	0.77	72.8	72.8	69.8	6.5	3.1	3.1	0.00041	16	6.0
0.55	71 M	1LA9073-2KA ...	IE2	2835	1.9	0.75	74.4	74.4	71.4	6.3	3.4	2.9	0.00050	16	7.2
0.75	80M	1LE1001-0DA2.-...	IE 2	2805	2.6	0.84	77.4	79.5	78.8	4.9	1.9	2.3	0.0008	16	9
1.1	80M	1LE1001-0DA3.-...	IE 2	2835	3.7	0.83	79.6	81.3	80.8	6	2.7	3.1	0.0011	16	11
1.5	90S	1LE1001-0EA0.-...	IE 2	2885	5	0.84	81.3	82.3	80.8	6.9	2.7	3.6	0.0017	16	13
2.2	90L	1LE1001-0EA4.-...	IE 2	2890	7.3	0.85	83.2	83.9	82.3	7.1	2.5	3.7	0.0021	16	15
3	100L	1LE1001-1AA4.-...	IE 2	2905	9.9	0.84	84.6	85.2	84.7	7	2.3	3.3	0.0044	16	21
4	112M	1LE1001-1BA2.-...	IE 2	2950	13	0.86	85.8	86.7	86.1	7.4	2.4	3.3	0.0092	16	27
5.5	132S	1LE1001-1CA0.-...	IE 2	2950	18	0.87	87.0	88.0	87.4	6.6	1.8	2.9	0.02	16	39
7.5	132S	1LE1001-1CA1.-...	IE 2	2950	24	0.87	88.1	88.7	88.6	7.5	2.2	3.1	0.024	16	43
11	160M	1LE1001-1DA2.-...	IE 2	2955	36	0.87	89.4	90.0	89.1	7.4	2.1	3.2	0.045	16	67
15	160M	1LE1001-1DA3.-...	IE 2	2955	48	0.88	90.3	90.9	90.3	7.6	2.4	3.4	0.053	16	75
18.5	160L	1LE1001-1DA4.-...	IE 2	2955	60	0.88	90.9	91.2	90.4	7.9	2.9	3.6	0.061	16	84

技术数据
Technical data

电气数据-1LE10& 1LE10 – IE2 – 4极 Electrical data - 1LE10 - IE2 - 4-pole
(IE2 铝壳系列) 1500 rpm 4极, 400 V 50 Hz (IE2 Aluminum) 1500 rpm 4-pole, 400 V 50 Hz

额定输出功率 Rated output kW	机座号 Frame size	订货号 Article number	IE等级 IE class	额定 Rated 转速 speed rpm	额定 Rated 转矩 torque Nm	额定功率因数 Rated power factor	效率等级当Efficiency at 100%负载 100% load %	75%负载 75% load %	50%负载 50% load %	启动 Starting 电流 current A	启动 Starting 转矩 torque Nm	最大转矩 Break-down torque Nm	转动惯量 Moment of inertia kgm²	转矩等级 Torque class	净重 (IMB3) Net weight (IMB3) kg
0.12	63 M	1LA9060-4KA ...	IE2	1395	0.82	0.65	53.6	52.1	47.6	2.6	2.6	3.5	0.00037	16	4.0
0.18	63 M	1LA9063-4KA ...	IE2	1395	1.2	0.68	72.1	72.1	68.1	3.6	2.8	2.7	0.00045	16	4.7
0.25	71 M	1LA9070-4KA ...	IE2	1410	1.7	0.64	74.0	74.0	71.0	4.3	3.2	3.1	0.00076	16	6.0
0.37	71 M	1LA9073-4KA ...	IE2	1385	2.6	0.73	76.1	76.1	73.1	4.2	2.8	3.0	0.00095	16	7.0
0.55	80M	1LE1001-0DB2.-...	-	1440	3.7	0.74	78.1	78.9	76.1	5.3	2.2	3.1	0.0017	16	10
0.75	80M	1LE1001-0DB3.-...	IE 2	1440	5	0.76	79.6	80.2	78.0	5.6	2.2	3.1	0.0021	16	11
1.1	90S	1LE1001-0EB0.-...	IE 2	1425	7.4	0.78	81.4	81.7	79.9	5.6	2.3	2.9	0.0028	16	13
1.5	90L	1LE1001-0EB4.-...	IE 2	1435	10	0.79	82.8	83.5	82.0	6.4	2.6	3.4	0.0036	16	16
2.2	100L	1LE1001-1AB4.-...	IE 2	1455	14	0.81	84.3	85.1	84.3	6.9	2.1	3.3	0.0086	16	21
3	100L	1LE1001-1AB5.-...	IE 2	1455	20	0.82	85.5	86.7	86.0	6.9	2	3.1	0.011	16	25
4	112M	1LE1001-1BB2.-...	IE 2	1460	26	0.81	86.6	87.3	86.5	7.1	2.5	3.2	0.014	16	29
5.5	132S	1LE1001-1CB0.-...	IE 2	1465	36	0.8	87.7	89.0	87.7	6.9	2.3	2.9	0.027	16	42
7.5	132M	1LE1001-1CB2.-...	IE 2	1465	49	0.83	88.7	90.3	88.8	6.9	2.3	2.9	0.034	16	49
11	160M	1LE1001-1DB2.-...	IE 2	1470	71	0.85	89.8	90.9	90.8	6.7	2.1	2.8	0.065	16	71
15	160L	1LE1001-1DB4.-...	IE 2	1475	97	0.85	90.6	91.3	91.0	7.3	2.3	3	0.083	16	83

电气数据-1LE10 – IE2 – 6极 Electrical data - 1LE10 - IE2 - 6-pole
(IE2 铝壳系列) 1000 rpm 6极, 400 V 50 Hz (IE2 Aluminum) 1000 rpm 6-pole, 400 V 50 Hz

额定输出功率 Rated output kW	机座号 Frame size	订货号 Article number	IE等级 IE class	额定 Rated 转速 speed rpm	额定 Rated 转矩 torque Nm	额定功率因数 Rated power factor	效率等级当Efficiency at 100%负载 100% load %	75%负载 75% load %	50%负载 50% load %	启动 Starting 电流 current A	启动 Starting 转矩 torque Nm	最大转矩 Break-down torque Nm	转动惯量 Moment of inertia kgm²	转矩等级 Torque class	净重 (IMB3) Net weight (IMB3) kg
0.37	80M	1LE1001-0DC2.-...	-	925	3.85	0.69	71.4	71.5	66.5	4	2.1	2.4	0.001716	16	9
0.55	80M	1LE1001-0DC3.-...	-	935	5.6	0.66	74.0	74.0	70.5	4.4	2.5	2.9	0.0025	16	12
0.75	90S	1LE1001-0EC0.-...	IE2	925	7.7	0.7	75.9	76.0	73.0	4.1	2	2.5	0.003	16	13
1.1	90L	1LE1001-0EC4.-...	IE2	935	11.2	0.7	78.1	78.5	75.0	4.4	2.2	2.6	0.004	16	16
1.5	100L	1LE1001-1AC4.-...	IE2	970	15	0.73	79.8	80.2	79.0	6.2	2	2.9	0.011	16	25
2.2	112M	1LE1001-1BC2.-...	IE2	965	22	0.75	81.8	82.5	81.3	6	2.1	3.1	0.014	16	29
3	132S	1LE1001-1CC0.-...	IE2	970	30	0.74	83.3	84.0	82.8	5.6	1.6	2.6	0.024	13	38
4	132M	1LE1001-1CC2.-...	IE2	970	39	0.78	84.6	85.8	85.0	5.6	1.6	2.5	0.029	13	43
5.5	132M	1LE1001-1CC3.-...	IE2	970	54	0.77	86.0	87.4	87.0	6.1	1.9	2.8	0.037	16	52
7.5	160M	1LE1001-1DC2.-...	IE2	975	73	0.77	87.2	87.7	86.9	6.3	1.8	2.8	0.075	16	77
11	160L	1LE1001-1DC4.-...	IE2	975	108	0.8	88.7	89.5	89.4	6.2	1.7	2.7	0.098	16	93

电气数据-1LE10 – IE2 – 8极 Electrical data - 1LE10 - IE2 - 8-pole
(IE2 铝壳系列) 750 rpm 8极, 400 V 50 Hz (IE2 Aluminum) 750 rpm 8-pole, 400 V 50 Hz

额定输出功率 Rated output kW	机座号 Frame size	订货号 Article number	IE等级 IE class	额定 Rated 转速 speed rpm	额定 Rated 转矩 torque Nm	额定功率因数 Rated power factor	效率等级当Efficiency at 100%负载 100% load %	75%负载 75% load %	50%负载 50% load %	启动 Starting 电流 current A	启动 Starting 转矩 torque Nm	最大转矩 Break-down torque Nm	转动惯量 Moment of inertia kgm²	转矩等级 Torque class	净重 (IMB3) Net weight (IMB3) kg
0.75	100L	1LE1001-1AD4.-....	–	725	9.9	0.58	68.3	65.8	59.3	4	1.6	2.8	0.0086	13	21
1.1	100L	1LE1001-1AD5.-....	–	725	14	0.58	68.3	65.4	58.9	4.1	1.8	2.8	0.011	13	25
1.5	112M	1LE1001-1BD2.-....	–	720	20	0.67	75.8	76	73	4.2	1.4	2.4	0.014	13	29
2.2	132S	1LE1001-1CD0.-....	–	725	29	0.65	78.8	79.3	77.2	4.3	1.4	2.1	0.027	10	41
3	132M	1LE1001-1CD2.-....	–	730	39	0.65	82.7	83	80.9	5	1.4	2.4	0.035	10	49
4	160M	1LE1001-1DD2.-....	–	730	52	0.69	86.2	86.9	86	4.3	1.8	2	0.065	13	69
5.5	160M	1LE1001-1DD3.-....	–	730	72	0.69	86.7	87.5	86.5	4.4	2.1	2.1	0.083	13	82
7.5	160L	1LE1001-1DD4.-....	–	730	98	0.72	86.9	88.2	88.1	4.5	1.9	2.1	0.098	13	94