

标准

ABB 电机采用全封闭三相鼠笼型设计，其工艺符合 IEC 和 EN 国际标准。同时，可按要求提供符合其他国家规范的电机。

所有生产厂家均通过 ISO 9001 国际质量认证及 ISO 14000 环境标准，并符合所有适用的欧盟指令。



产品优点

- 外形美观，表面光洁
- 重量轻巧，强度可靠
 - 整机重量是同型号铸铁电机的 70%
 - 采用国际标准牌号铝铸件，强度达到铸铁水平
- 防腐性强，低污染
 - 铝壳材质本身防腐蚀能力强，适用于环境要求较高的场合
- 适用于变频控制
- 低振动，低噪音

技术参数

机座号	71-280
输出功率	0.12-90kW
极数	2/4/6/8
安装方式	B3/B5/B35...
机座材料	铝
电压	≤690V
频率	50Hz，可变频使用
绝缘等级及温升	F/B
防护等级	IP55/IP56/IP65
标准	IEC, GB

客户获得的利益

- 低故障率，提升生产率
- 减少电能支出，降低运营成本
- 全球的售后服务网络
- 3 年的质保期
- 更长的使用寿命
- 适用于对外观，重量要求高的行业应用
- 减少电机维修费用

Standards

ABB motors are of the totally enclosed, three phase squirrel cage type, built to comply with international IEC and EN standards. Motors conforming to other national and international specifications are also available on request.

All production units are certified to ISO 9001 international quality standard as well ISO 14000 environmental standard and conform to all applicable EU Directives.

IEC/EN

电气 Electrical	机械 Mechanical
IEC/EN 60034-1	IEC 60072
IEC/EN 60034-2-1	IEC/EN 60034-5
IEC/EN 60034-30	IEC/EN 60034-6
IEC/EN 60034-8	IEC/EN 60034-7
IEC/EN 60034-12	IEC/EN 60034-8
	IEC 60034-14

Product Advantages

- Smooth appearance
- Light but robust
 - 30% weight reduction compared with cast iron motors of same type
 - Utilize international standard material, same strength level with cast iron
- Corrosion resistance, low pollution
 - Suitable for occasions with high environmental requirements
- Applicable to VSD
- Low vibration, low noise

Technical Features

Framesize	71-280
Output power	0.12-90kW
Poles	2/4/6/8
Mounting arrangement	B3/B5/B35...
Frame material	Aluminum
Voltage	≤690V
Frequency	50Hz, VSD use available
Insulation Class & Temperature Rise	F/B
Degrees of protection	IP55/IP56/IP65
Standard	IEC, GB







Benefits

- Low failure rate, improve productivity
- Reduce energy and operating costs
- Global service network
- 3 years warranty
- Longer life cycle
- Suitable for industry applications with high requirements in appearance and motor weight
- Saving in maintenance cost

底脚安装型电机

Foot-mounted motor

代码 I / 代码 II
Code I / code II

						IM0007
IM B3 IM 1001	IM V5 IM 1011	IM V6 IM 1031	IM B6 IM 1051	IM B7 IM 1061	IM B8 IM 1071	







产品代码位置 12
Product code pos. 12

A = 底脚安装型, 接线盒在顶部
foot-mounted, term.box top

凸缘安装型电机, 大凸缘

Flange-mounted motor, large flange

代码 I / 代码 II
Code I / code II

						IM0008
IM B5 IM 3001	IM V1 IM 3011	IM V3 IM 3031) IM 3051) IM 3061) IM 3071	







产品代码位置 12
Product code pos. 12

B = 凸缘安装型, 大凸缘
flange mounted, large flange

凸缘安装型电机, 小凸缘

Flange-mounted motor, small flange

代码 I / 代码 II
Code I / code II

						IM0009
IM B14 IM 3601	IM V18 IM 3611	IM V19 IM 3631) IM 3651) IM 3661) IM 3671	







变量代码
variant code

047 = B5 派生出 B14
B14 from B5

底脚和凸缘安装型电机, 大凸缘

Foot- and flange-mounted motor with feet, large flange

代码 I / 代码 II
Code I / code II

						IM0010
IM B35 IM 2001	IM V15 IM 2011	IM V35 IM 2031) IM 2051) IM 2061) IM 2071	







变量代码
variant code

009 = B3 派生出 B35
B35 from B3

底脚和凸缘安装型电机, 大凸缘

Foot- and flange-mounted motor with feet, large flange

代码 I / 代码 II
Code I / code II

						IM0011
IM B34 IM 2101	IM V17 IM 2111	IM 2131	IM 2151	IM 2161	IM 2171	

变量代码
variant code

008 = B3 派生出 B34
B34 from B3

订购时，请按照示例在订单中说明以下数据。
电机产品代码根据以下示例编写。

When placing an order, please state the following minimum data in the order, as in the example. The product code of the motor is composed in accordance with the following example.

示例	
电机型号	M3AA 112 MB
极数	4
安装方式 (IM 代码)	IM B3 (IM1001)
额定输出	4 kW
产品代码	3GAA112320-ADE
附加代码 (如需)	

Example	
Motor type	M3AA 112 MB
Pole number	4
Mounting arrangement (IM-code)	IM B3 (IM1001)
Rated output	4 kW
Product code	3GAA112320-ADE
Variant codes if needed	

产品代码说明
Explanation of the product code

电机型号 Motor type	电机尺寸 Motor size	产品代码 Product code	安装方式代码, 电压及频率代码, 产品族代码 Mounting arrangement, voltage and frequency code, generation codes	变量代码 Variant codes
M3AA	112MB	3GAA 112 320 - ADE 1 2 3 4 5 6 7 8 9 10 11 12 13 14		002, etc

位置 1-4 3GAA = 全封闭铸铝机座电机		
位置 5-6 IEC 机座		
07 = 71	11 = 112	20 = 200
08 = 80	13 = 132	22 = 225
09 = 90	16 = 160	25 = 250
10 = 100	18 = 180	28 = 280
位置 7 极对数		
1=2 极		
2=4 极		
3=6 极		
4=8 极		
位置 8 -10 序列号		
位置 11 -(破折号)		
位置 12 安装方式		
A = 底脚安装型电机		
B = 凸缘安装型电机带通孔的大凸缘。		
位置 13 电压和频率		
D 380 V Δ, 400 V Δ, 660 VY 50 Hz		
S 220 V Δ, 380 VY, 400 VY 50 Hz		
位置 14 产品族代码		

Positions 1 to 4 3GAA = Totally enclosed motor with aluminum frame		
Positions 5 to 6 IEC size		
07 = 71	11 = 112	20 = 200
08 = 80	13 = 132	22 = 225
09 = 90	16 = 160	25 = 250
10 = 100	18 = 180	28 = 280
Positions 7 Speed (pole pairs)		
1=2 poles		
2=4 poles		
3=6 poles		
4=8 poles		
Positions 8 to 10 Serial number		
Positions 11 -(dash)		
Position 12 Mounting arrangement		
A = Foot-mounted motor		
B = Flange-mounted motor. Large flange with clearance holes.		
Position 13 Voltage and frequency		
D 380 V Δ, 400 V Δ, 660 VY 50 Hz		
S 220 V Δ, 380 VY, 400 VY 50 Hz		
Position 14 Generation code		

电机的主铭牌显示电机在额定转速下，不同连接方式对应的性能值。铭牌也显示能效等级（IE2/IE3/IE4），制造年份，以及100%，75%，50% 额定负载下的最低标称效率。标配铭牌材质为铝。

The motor's main rating plate shows the motor's performance values with various connections at nominal speed. The rating plate also shows the efficiency level (IE2, IE3, or IE4), year of manufacture, and the lowest nominal efficiency at 100, 75, and 50 % nominal load. The material of the rating plate is aluminum as standard.

铭牌示例
Rating plate sample

机座号 71-80
Motor sizes 71 to 80

ABB 3-Motor M3AA 80 C 2		IE2 CE	
3GAA081313-ASE		CL.F IP 55	
6204-2Z/C3		6203-2Z/C3	
No.		11 kg	
V	Hz	r/min	kW
230 D / 400 Y	50	2870	1,10
460 Y	60	3485	1,10
IE2-50Hz-80,8(100%)-81,7(75%)-79,8(50%)		2017	
IE2-60Hz-82,8(100%)		IEC 60034-1	

机座号 90-132
Motor sizes 90 to 132

ABB 3-Motor M3AA 100 LB 2		IE2 CE	
3GAA101520-ASE		CL.F IP 55 IEC60034-1	
No.		2017	
V	Hz	r/min	kW
230 D	50	2920	3,00
400 Y	50	2920	3,00
460 Y	60	3530	3,00
IE2-50Hz-86,4(100%)-86,0(75%)-83,9(50%)		2017	
IE2-60Hz-87,5(100%)		IEC 60034-1	
6306-2Z/C3		6205-2Z/C3	
		24 kg	

机座号 160-280
Motor sizes 160 to 280

ABB 3-Motor M3AA 225 SMB 4		IE3 CE	
No.		IP 55	
V	Hz	kW	r/min
400	Δ 50	4,5	1482
690	Y 50	4,5	1482
415	Δ 50	4,5	1483
460	Δ 60	4,5	1785
50 Hz: E1-93.30000-14-60750-93.85000		Ins. cl #	
60 Hz: E3-93.80000-14-20750-93.75000		duty	
3GAA 222 220-ADK			
6313/C3		6212/C3	
		316 kg	
IEC 60034-1			