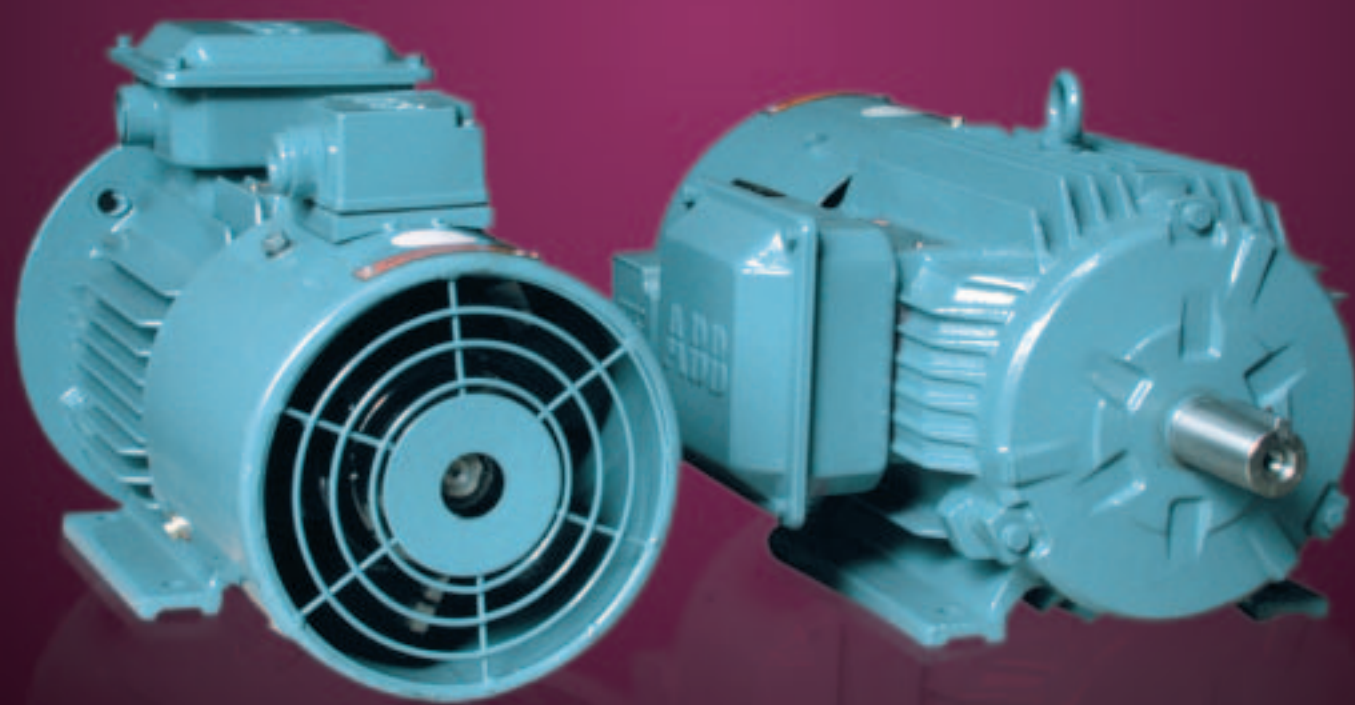




# QABP系列 变频调速三相异步电动机

Power and productivity  
for a better world™





## 公司简介

上海ABB电机有限公司成立于1995年12月，隶属于世界500强ABB集团，是专门生产和销售低压交流三相异步电动机（机座号71-355）的企业。

公司提供符合IEC标准的各种电机，可满足不同行业需求，其产品包括标准电机、变频电机、船用电机、隔爆电机、烟道电机、多速电机、QA电机、制动电机、户外电机、无火花电机、铝壳电机、磨头电机。并可提供按客户要求设计的特殊电机，所有设计均可达到客户的严格要求。同时，公司可提供具有不同绝缘等级，并能满足不同电压和频率要求的各种电机。公司主要OEM客户是空调风机、港机及起重机械、泵业、减速机、机床、纺织机械、玻璃机械、船用、电厂辅机、电路板机械等行业领先企业。项目覆盖：电厂、制浆造纸、石化、冶金、船舶、港口、建筑、水泥、机场等。目前，公司生产的45%的电机通过ABB国际销售网络出口国外，主要是欧洲市场。

作为中国第一家获得ISO9001质量管理体系认证和ISO14001环境管理体系认证的中小型电机制造厂。上海ABB电机有限公司以其良好的管理和先进的技术，向客户提供世界顶级的ABB产品和服务。



## Company Introduction

Founded in December 1995, ABB Shanghai Motors Co., Ltd., belongs to ABB Group, one of the world's Top 500 Corporations, and specializes in manufacturing and marketing low voltage AC 3-phase asynchronous motors of frame size from 71 to 355.

The company offers a wide range of IEC Standard motors to meet the demands of various industries, including Standard Motors, Frequency Conversion Motors, Marine Motors, Flameproof Motors, Smoke Venting Motors, Multi-speed Motors, QA Motors, Brake Motors, Outdoor Environment Motors, Non-sparking Motors, Cast Aluminum Motors, and Motors for Glass Machinery, together with specially customized motors as per customers' demands and meeting customers' stringent requirements. In addition, the company can supply a broad range of motors with various insulation classes, which can meet various voltage and frequency requirements. The company major OEM customers are leaders in HVAC, crane, pump, gearbox, machine tool, textile, glass, marine, power plant auxiliary equipment, circuit board, etc. And its projects cover: power plant, pulp and paper, PEC, metal, marine, port, building, cement, airport, etc. Forty-five percent of its motors are currently exported abroad, mainly to the European market.

As the first small-medium motor manufacturer with ISO9001 Certification and ISO14001 Certification in China, ABB Shanghai Motors Co., Ltd. Provides its customers with world-class ABB products and service with qualified management and advanced technology.





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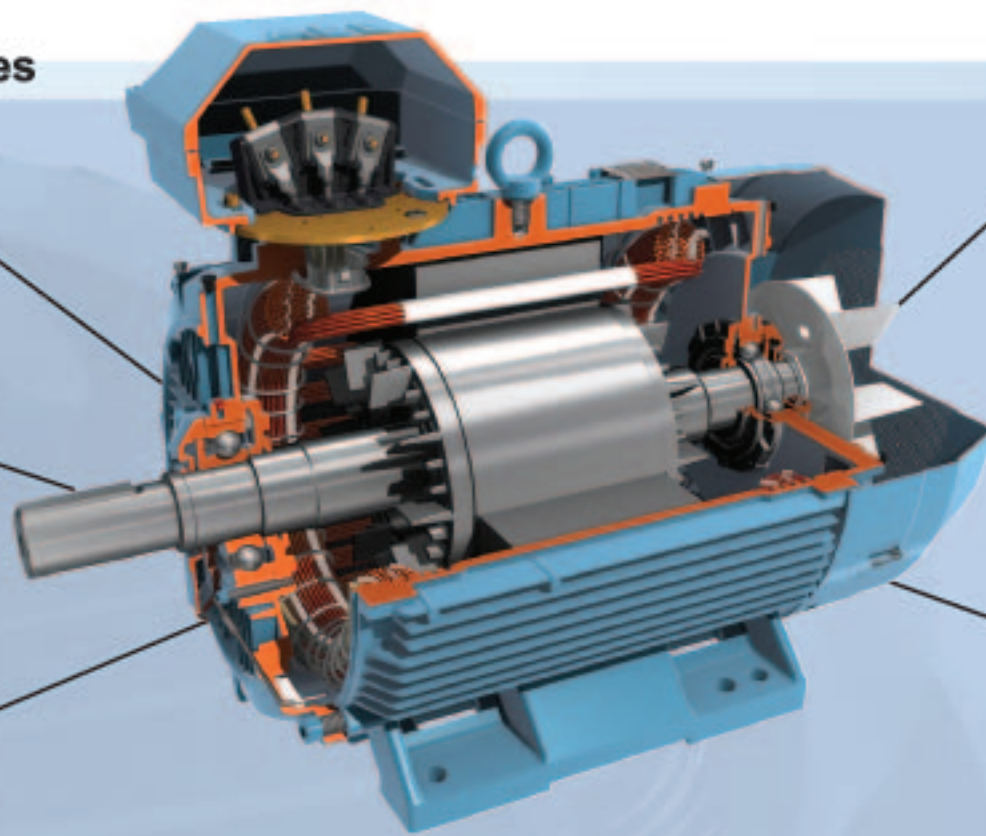
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## ABB电机产品特点 ABB Motors Features

可靠  
High Reliability

高效  
High Efficiency

一致  
Excellent Consistency



低噪音  
Low Noise

高灵活性  
High Flexibility

### QABP 系列突出特点

- ◆ 采用高等级耐电晕复合漆包线，绕组性能可靠，电机使用寿命更长。
- ◆ 5 ~ 100Hz无级变速，在低速时转矩平滑，无爬行现象，保证设备在调速过程中运行平稳。
- ◆ ABB特有电磁设计技术，降低或杜绝轴电流，大幅减少轴承故障。
- ◆ 先进的冷却方式，使电机在任何转速情况下都可以得到有效的冷却。

### Outstanding Features of QABP Motors

- ◆ QABP motors can operate in the range between 5 and 100Hz, depending of load and execution of the motor.
- ◆ For outputs above 100kW a special insulated bearing is used to prevent damages in case of frequency peaks.
- ◆ For low speed operations the QABP can be equipped with a separate cooling fan.







## 产品概述

### QABP系列变频调速三相异步电动机（H71-H355）

QABP系列变频调速三相异步电动机集国内外同类产品之优点，应用计算机辅助设计技术进行设计。电机采用耐电晕复合漆包线，运用ABB专有技术，降低或杜绝轴电流，大幅减少了轴承故障。电机设计合理，可与国内外同类型变频装置配套，互换性、通用性强。

本系列电机可广泛应用于轻工、纺织、化工、冶金、机床等需要调速转动装置的行业中，是一种理想的调速动力源。



## Summary

### QABP Series Three-phase Induction Motors for Frequency Converter (H71-H355)

QABP series three-phase induction motors for frequency converter are designed for use in various industrial areas such as light industry, textile, chemical, metallurgical and machine tool industries. Where ever variable speed driven equipment is used.

The QABP motors have a special copper wire insulation that makes them suitable for operations with frequencies between 5 and 100Hz.

## 变频电机使用知识问答：

Q：很多标准电机在说明中也提到可以直接连接变频器进行调速，为何仍需要特制的变频电机？

A：标准电机在一定的频率范围内若使用变频器调速，对频率的范围、电机的电压和功率都有限制，无法达到5~100Hz的变频范围，也无法实现无极变速操作，只有使用专门的变频电机才能实现这些功能。

Q：标准电机能用变频器调速会造成什么样的影响？

A：标准电机因为在结构和电磁设计中并未考虑到变频调速的需求，强行使用变频器调速会危害电机的使用性能和可靠性，长期在这样的条件下使用会影响整个设备的运行，造成故障、停机甚至损坏。

## Questions and Answers for Use of QABP:

Q: Many standard motors mentioned in the specifications indicate that motor speed can be adjusted via directly installing a frequency converter, why the specific frequency-conversion motors are still desired ?

A: If standard motors vary the speed by the frequency converter within certain frequency, the frequency scope, voltage and power will be limited to some extent, frequency conversion can not be conducted among 5~100Hz, so continuous variable transmission is impossible, only specific frequency conversion motors are capable of realizing these function.

Q: What happened if standard motors vary the speed via directly using the frequency converter?

A: No account is taken into the needs of variable speed of standard motors during the structural and electromagnetic design, motors performance and reliability will be damaged if the frequency converter is forced to install on the motor to adjust the speed, in this case ,when motors operate for a long time, that will effect the operation of the whole equipment and result in the faulty and shutdown, even damage the equipment.

## 型号说明 Type Designation



## 使用条件 Conditions

- ◆ 海拔 ≤ 1000m
- ◆ 环境温度 -15°C ~ +40°C
- ◆ 相对湿度 ≤ 90%
- ◆ Altitude should be lower than 1000 m above sealevel.
- ◆ Ambient temperature -15°C ~ +40°C.
- ◆ Relative humidity should be less than 90%.

## 功率与机座号的对应关系表 Output & Framesize

| 功率<br>Output<br>kW | 机座号<br>Type designation Framesize |               |               |               |
|--------------------|-----------------------------------|---------------|---------------|---------------|
|                    | 2极<br>2 Poles                     | 4极<br>4 Poles | 6极<br>6 Poles | 8极<br>8 Poles |
| 0.25               | —                                 | 71M4A         | —             | —             |
| 0.37               | 71M2A                             | 71M4B         | 80M6A         | —             |
| 0.55               | 71M2B                             | 80M4A         | 80M6B         | —             |
| 0.75               | 80M2A                             | 80M4B         | 90S6A         | 100L8A        |
| 1.1                | 80M2B                             | 90S4A         | 90L6A         | 100L8B        |
| 1.5                | 90S2A                             | 90L4A         | 100L6A        | 112M8A        |
| 2.2                | 90L2A                             | 100L4A        | 112M6A        | 132S8A        |
| 3                  | 100L2A                            | 100L4B        | 132S6A        | 132M8A        |
| 4                  | 112M2A                            | 112M4A        | 132M6A        | 160M8A        |
| 5.5                | 132S2A                            | 132S4A        | 132M6B        | 160M8B        |
| 7.5                | 132S2B                            | 132M4A        | 160M6A        | 160L8A        |
| 11                 | 160M2A                            | 160M4A        | 160L6A        | 180L8A        |
| 15                 | 160M2B                            | 160L4A        | 180L6A        | 200L8A        |
| 18.5               | 160L2A                            | 180M4A        | 200L6A        | 225S8A        |
| 22                 | 180M2A                            | 180L4A        | 200L6B        | 225M8A        |
| 30                 | 200L2A                            | 200L4A        | 225M6A        | 250M8A        |
| 37                 | 200L2B                            | 225S4A        | 250M6A        | 280S8A        |
| 45                 | 225M2A                            | 225M4A        | 280S6A        | 280M8A        |
| 55                 | 250M2A                            | 250M4A        | 280M6A        | 315S8A        |
| 75                 | 280S2A                            | 280S4A        | 315S6A        | 315M8A        |
| 90                 | 280M2A                            | 280M4A        | 315M6A        | 315L8A        |
| 110                | 315S2A                            | 315S4A        | 315L6A        | 315L8B        |
| 132                | 315M2A                            | 315M4A        | 315L6B        | 355M8A        |
| 160                | 315L2A                            | 315L4A        | 355M6A        | 355M8B        |
| 200                | 315L2B                            | 315L4B        | 355M6B        | 355L8A        |
| 250                | 355M2A                            | 355M4A        | 355L6A        | —             |
| 315                | 355L2A                            | 355L4A        | —             | —             |



**额定转矩、标称功率与调频范围的对应关系表 Output, Torque & Frequency Table**

| 功率<br>Output<br>kW | 同步转速 r/min<br>3000<br>额定转矩Nm | 恒转矩<br>调频范围<br>Hz | 恒功率<br>调频范围<br>Hz | 同步转速 r/min |       |       | 恒转矩<br>调频范围<br>Hz | 恒功率<br>调频范围<br>Hz |        |
|--------------------|------------------------------|-------------------|-------------------|------------|-------|-------|-------------------|-------------------|--------|
|                    |                              |                   |                   | 1500       | 1000  | 750   |                   |                   |        |
|                    |                              |                   |                   | 额定转矩Nm     |       |       |                   |                   |        |
| 0.25               | —                            | 5-50              | 50-100            | 1.59       | —     | ---   | 5-50              | 50-100            |        |
| 0.37               | 1.18                         |                   |                   | 2.36       | 3.53  |       |                   |                   |        |
| 0.55               | 1.75                         |                   |                   | 3.5        | 5.25  |       |                   |                   |        |
| 0.75               | 2.4                          |                   |                   | 4.8        | 7.2   | 9.6   |                   |                   |        |
| 1.1                | 3.5                          |                   |                   | 7.0        | 10.5  | 14.0  |                   |                   |        |
| 1.5                | 4.8                          |                   |                   | 9.6        | 14.3  | 19.1  |                   |                   |        |
| 2.2                | 7.0                          |                   |                   | 14.0       | 21.0  | 28.0  |                   |                   |        |
| 3                  | 9.6                          |                   |                   | 19.1       | 28.7  | 38.2  |                   |                   |        |
| 4                  | 12.7                         |                   |                   | 25.5       | 38.2  | 50.9  |                   |                   |        |
| 5.5                | 17.5                         |                   |                   | 35.0       | 52.5  | 70.0  |                   |                   |        |
| 7.5                | 23.9                         |                   |                   | 47.8       | 71.6  | 95.5  |                   |                   |        |
| 11                 | 35.0                         | 5-50              | 50-80             | 70.0       | 105.1 | 140.1 |                   |                   | 50-100 |
| 15                 | 47.8                         |                   |                   | 95.5       | 143.3 | 191.0 |                   |                   |        |
| 18.5               | 58.9                         |                   |                   | 117.8      | 176.7 | 235.6 |                   |                   |        |
| 22                 | 70.0                         |                   |                   | 140.1      | 210.1 | 280.1 |                   |                   |        |
| 30                 | 95.5                         | 5-50              | 50-70             | 191.0      | 286.5 | 382.0 |                   |                   |        |
| 37                 | 117.8                        |                   |                   | 235.6      | 353.4 | 471.1 |                   |                   |        |
| 45                 | 143.3                        |                   |                   | 286.5      | 429.8 | 573.0 |                   |                   |        |
| 55                 | 175                          |                   |                   | 350        | 525   | 700   |                   |                   |        |
| 75                 | 239                          |                   |                   | 478        | 716   | 955   |                   |                   |        |
| 90                 | 287                          |                   |                   | 573        | 860   | 1146  |                   |                   |        |
| 110                | 350                          |                   |                   | 700        | 1051  | 1401  |                   |                   |        |
| 132                | 420                          |                   |                   | 840        | 1261  | 1680  |                   |                   |        |
| 160                | 509                          |                   |                   | 1019       | 1530  | 2037  |                   |                   |        |
| 200                | 637                          |                   |                   | 1273       | 1910  | 2547  |                   |                   |        |
| 250                | 797                          | 5-50              | 50-65             | 1592       | 2388  |       |                   | 50-100 ( 6.8极 )   |        |
| 315                | 1004                         |                   |                   | 2008       | —     |       |                   | 50-70 ( 4极 )      |        |

## 主要技术性能 Major Performance

|   |                                                                     |                                                                                                                                                                                                                  |
|---|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 工作方式: S1                                                            | Duty: S1                                                                                                                                                                                                         |
| 2 | 电压: 三相380伏(50赫兹或60赫兹)                                               | Voltage: Three phase 380v (50Hz or 60Hz)                                                                                                                                                                         |
| 3 | 变频调速范围: 5—100赫兹无级调速。50赫兹 ( 60赫兹 ) 以下为恒转矩调速; 50赫兹 ( 60赫兹 ) 以上为恒功率调速。 | Range of frequency converter velocity modulation: 5-100Hz stepless velocity modulation below 50Hz(or 60Hz) velocity modulating over 50Hz(or 60Hz) with constant torque velocity modulating with constant output. |
| 4 | 电机能承受额定转矩的160%过载, 历时1分钟。                                            | The motor can undergo overload of 160% at rated rotor torque for 1 minute.                                                                                                                                       |
| 5 | 低速时转矩平滑, 无爬行现象。                                                     | The motor torque appears as smooth at lower speed and the motor runs without creep.                                                                                                                              |
| 6 | 能通过变频装置的电压提升, 保证电动机在5赫兹时输出额定转矩而不致使电机因发热而烧毁。                         | The motor can guarantee rated rotor torque output at frequency or 5Hz by voltage rising of frequency converter device and not go so far as to be burned as heating.                                              |
| 7 | 绝缘等级: F级                                                            | Insulation: F                                                                                                                                                                                                    |
| 8 | 防护等级: 电机IP55; 轴流风机IP55                                              | Protection: IP55(motor); IP55(ventilator)                                                                                                                                                                        |
| 9 | 电机冷却方式: IC416                                                       | Cooling method: IC416                                                                                                                                                                                            |



## 电机技术数据表 Technical Data Table

| 2极电机(50Hz同步转速3000 r/min) |            |           |              |            |               |                                               |                          |          |      |
|--------------------------|------------|-----------|--------------|------------|---------------|-----------------------------------------------|--------------------------|----------|------|
| 型号                       | 标称功率<br>kW | 额定电流<br>A | 功率因数<br>cosφ | 额定转矩<br>Nm | 额定转速<br>r/min | 最大转矩/额定转矩<br>T <sub>MAX</sub> /T <sub>N</sub> | 转动惯量<br>kgm <sup>2</sup> | 重量<br>kg |      |
| QABP                     | 71M2A      | 0.37      | 1.0          | 0.77       | 1.18          | 2850                                          | 2.8                      | 0.0003   | 12   |
|                          | 71M2B      | 0.55      | 1.4          | 0.79       | 1.75          | 2845                                          | 2.8                      | 0.00037  | 13   |
|                          | 80M2A      | 0.75      | 1.82         | 0.84       | 2.4           | 2850                                          | 2.8                      | 0.00091  | 19   |
|                          | 80M2B      | 1.1       | 2.55         | 0.85       | 3.5           | 2845                                          | 2.8                      | 0.00107  | 20   |
|                          | 90S2A      | 1.5       | 3.4          | 0.86       | 4.8           | 2865                                          | 2.8                      | 0.00135  | 24   |
|                          | 90L2A      | 2.2       | 4.8          | 0.86       | 7             | 2860                                          | 2.8                      | 0.00163  | 27   |
|                          | 100L2A     | 3         | 6.5          | 0.85       | 9.6           | 2890                                          | 2.8                      | 0.00402  | 37   |
|                          | 112M2A     | 4         | 8.4          | 0.88       | 12.7          | 2900                                          | 2.8                      | 0.00671  | 46   |
|                          | 132S2A     | 5.5       | 11.2         | 0.88       | 17.5          | 2920                                          | 2.8                      | 0.01241  | 64   |
|                          | 132S2B     | 7.5       | 15.3         | 0.89       | 23.9          | 2920                                          | 2.8                      | 0.01491  | 69   |
|                          | 160M2A     | 11        | 22.2         | 0.88       | 35            | 2930                                          | 3.0                      | 0.0436   | 118  |
|                          | 160M2B     | 15        | 29.9         | 0.89       | 47.8          | 2930                                          | 3.0                      | 0.0551   | 128  |
|                          | 160L2A     | 18.5      | 36.1         | 0.89       | 58.9          | 2930                                          | 3.0                      | 0.0655   | 148  |
|                          | 180M2A     | 22        | 43.1         | 0.89       | 70            | 2940                                          | 2.8                      | 0.08805  | 182  |
|                          | 200L2A     | 30        | 57.5         | 0.89       | 95.5          | 2955                                          | 2.7                      | 0.1482   | 247  |
|                          | 200L2B     | 37        | 71.5         | 0.89       | 117.8         | 2955                                          | 2.7                      | 0.1682   | 266  |
|                          | 225M2A     | 45        | 84.1         | 0.90       | 143.3         | 2970                                          | 2.8                      | 0.2935   | 342  |
|                          | 250M2A     | 55        | 104.8        | 0.90       | 175           | 2965                                          | 2.9                      | 0.3784   | 406  |
|                          | 280S2A     | 75        | 134.6        | 0.91       | 239           | 2972                                          | 3.0                      | 0.587    | 535  |
|                          | 280M2A     | 90        | 163.7        | 0.91       | 287           | 2972                                          | 3.0                      | 0.615    | 591  |
|                          | 315S2A     | 110       | 197.6        | 0.89       | 350           | 2980                                          | 2.5                      | 1.4083   | 945  |
|                          | 315M2A     | 132       | 234          | 0.90       | 420           | 2980                                          | 2.5                      | 1.5584   | 1045 |
|                          | 315L2A     | 160       | 279          | 0.90       | 509           | 2979                                          | 2.5                      | 1.7256   | 1105 |
|                          | 315L2B     | 200       | 349          | 0.90       | 637           | 2978                                          | 2.5                      | 1.9405   | 1155 |
|                          | 355M2A     | 250       | 436          | 0.92       | 797           | 2980                                          | 2.5                      | 3.05     | 1478 |
|                          | 355L2A     | 315       | 545          | 0.93       | 1004          | 2980                                          | 2.5                      | 3.6      | 1766 |
| 4极电机(50Hz同步转速1500 r/min) |            |           |              |            |               |                                               |                          |          |      |
| 型号                       | 标称功率<br>kW | 额定电流<br>A | 功率因数<br>cosφ | 额定转矩<br>Nm | 额定转速<br>r/min | 最大转矩/额定转矩<br>T <sub>MAX</sub> /T <sub>N</sub> | 转动惯量<br>kgm <sup>2</sup> | 重量<br>kg |      |
| QABP                     | 71M4A      | 0.25      | 0.86         | 0.64       | 1.59          | 1420                                          | 2.8                      | 0.00053  | 12.8 |
|                          | 71M4B      | 0.37      | 1.24         | 0.66       | 2.36          | 1415                                          | 2.8                      | 0.00066  | 12.8 |
|                          | 80M4A      | 0.55      | 1.56         | 0.68       | 3.5           | 1415                                          | 2.8                      | 0.00145  | 19   |
|                          | 80M4B      | 0.75      | 2.03         | 0.72       | 4.8           | 1410                                          | 2.8                      | 0.00174  | 20   |
|                          | 90S4A      | 1.1       | 3.04         | 0.73       | 7             | 1425                                          | 2.8                      | 0.00254  | 24   |
|                          | 90L4A      | 1.5       | 4.06         | 0.73       | 9.6           | 1425                                          | 2.8                      | 0.00317  | 28   |
|                          | 100L4A     | 2.2       | 5.22         | 0.80       | 14            | 1430                                          | 2.8                      | 0.00679  | 36   |
|                          | 100L4B     | 3         | 7.1          | 0.80       | 19.1          | 1435                                          | 2.8                      | 0.00862  | 40   |
|                          | 112M4A     | 4         | 8.9          | 0.82       | 25.5          | 1435                                          | 2.8                      | 0.01306  | 49   |
|                          | 132S4A     | 5.5       | 11.9         | 0.83       | 35            | 1450                                          | 2.9                      | 0.027    | 66   |
|                          | 132M4A     | 7.5       | 15.8         | 0.84       | 47.8          | 1450                                          | 2.9                      | 0.0344   | 79   |
|                          | 160M4A     | 11        | 23.4         | 0.84       | 70            | 1460                                          | 2.9                      | 0.0654   | 122  |
|                          | 160L4A     | 15        | 30.7         | 0.86       | 95.5          | 1460                                          | 2.9                      | 0.0935   | 143  |
|                          | 180M4A     | 18.5      | 36.5         | 0.85       | 117.8         | 1470                                          | 3.0                      | 0.1605   | 182  |
|                          | 180L4A     | 22        | 43.3         | 0.85       | 140.1         | 1470                                          | 3.0                      | 0.1805   | 198  |
|                          | 200L4A     | 30        | 59.6         | 0.85       | 191           | 1475                                          | 3.0                      | 0.282    | 266  |
|                          | 225S4A     | 37        | 74.9         | 0.84       | 235.6         | 1480                                          | 3.1                      | 0.37     | 322  |
|                          | 225M4A     | 45        | 89.2         | 0.85       | 286.5         | 1480                                          | 3.1                      | 0.42     | 349  |
|                          | 250M4A     | 55        | 103          | 0.89       | 350           | 1485                                          | 3.1                      | 0.78     | 465  |
|                          | 280S4A     | 75        | 140          | 0.89       | 478           | 1485                                          | 3.1                      | 1.10     | 565  |
|                          | 280M4A     | 90        | 168          | 0.89       | 573           | 1485                                          | 3.1                      | 1.35     | 623  |
|                          | 315S4A     | 110       | 203          | 0.90       | 700           | 1488                                          | 3.2                      | 2.8596   | 965  |
|                          | 315M4A     | 132       | 242          | 0.91       | 840           | 1488                                          | 3.2                      | 3.1848   | 1065 |
|                          | 315L4A     | 160       | 292          | 0.91       | 1019          | 1488                                          | 3.2                      | 3.6765   | 1085 |
|                          | 315L4B     | 200       | 371          | 0.91       | 1273          | 1488                                          | 3.2                      | 4.2516   | 1135 |
|                          | 355M4A     | 250       | 437          | 0.92       | 1592          | 1490                                          | 3.1                      | 6.77     | 1586 |
|                          | 355L4A     | 315       | 556          | 0.93       | 2008          | 1490                                          | 3.1                      | 8.2      | 1861 |



## 电机技术数据表 Technical Data Table

| 6极电机（ 50Hz同步转速1000 r/min ） |                           |            |           |              |            |               |                                               |                          |          |
|----------------------------|---------------------------|------------|-----------|--------------|------------|---------------|-----------------------------------------------|--------------------------|----------|
| 型号                         |                           | 标称功率<br>kW | 额定电流<br>A | 功率因数<br>cosφ | 额定转矩<br>Nm | 额定转速<br>r/min | 最大转矩/额定转矩<br>T <sub>MAX</sub> /T <sub>N</sub> | 转动惯量<br>kgm <sup>2</sup> | 重量<br>kg |
| QABP                       | 80M6A                     | 0.37       | 1.41      | 0.55         | 3.53       | 935           | 2.8                                           | 0.00159                  | 19       |
|                            | 80M6B                     | 0.55       | 1.95      | 0.57         | 5.25       | 930           | 2.8                                           | 0.00196                  | 20       |
|                            | 90S6A                     | 0.75       | 2.41      | 0.62         | 7.2        | 940           | 2.8                                           | 0.00292                  | 25       |
|                            | 90L6A                     | 1.1        | 3.32      | 0.66         | 10.5       | 935           | 2.8                                           | 0.00379                  | 29       |
|                            | 100L6A                    | 1.5        | 4.2       | 0.67         | 14.3       | 955           | 2.8                                           | 0.00999                  | 36       |
|                            | 112M6A                    | 2.2        | 6.05      | 0.69         | 21         | 960           | 2.8                                           | 0.01559                  | 44       |
|                            | 132S6A                    | 3          | 7.35      | 0.76         | 28.7       | 960           | 2.8                                           | 0.03116                  | 61       |
|                            | 132M6A                    | 4          | 9.7       | 0.76         | 38.2       | 965           | 2.8                                           | 0.04074                  | 71       |
|                            | 132M6B                    | 5.5        | 13.2      | 0.77         | 52.5       | 965           | 2.8                                           | 0.05332                  | 81       |
|                            | 160M6A                    | 7.5        | 17.9      | 0.76         | 71.6       | 975           | 2.8                                           | 0.09231                  | 125      |
|                            | 160L6A                    | 11         | 26.5      | 0.76         | 105.1      | 975           | 2.8                                           | 0.1297                   | 146      |
|                            | 180L6A                    | 15         | 33.8      | 0.78         | 143.3      | 980           | 3.0                                           | 0.2418                   | 192      |
|                            | 200L6A                    | 18.5       | 39.4      | 0.80         | 176.7      | 980           | 3.0                                           | 0.34174                  | 244      |
|                            | 200L6B                    | 22         | 46.4      | 0.81         | 210.1      | 980           | 3.0                                           | 0.4684                   | 268      |
|                            | 225M6A                    | 30         | 63.7      | 0.78         | 286.5      | 985           | 3.0                                           | 0.6269                   | 322      |
|                            | 250M6A                    | 37         | 73.7      | 0.87         | 353.4      | 985           | 3.0                                           | 0.97                     | 398      |
|                            | 280S6A                    | 45         | 86.8      | 0.87         | 429.8      | 985           | 3.0                                           | 1.25                     | 513      |
|                            | 280M6A                    | 55         | 105       | 0.87         | 525        | 985           | 3.0                                           | 1.485                    | 563      |
|                            | 315S6A                    | 75         | 142       | 0.87         | 716        | 990           | 3.0                                           | 3.1942                   | 955      |
|                            | 315M6A                    | 90         | 173       | 0.88         | 860        | 990           | 3.1                                           | 3.723                    | 1045     |
|                            | 315L6A                    | 110        | 205       | 0.87         | 1051       | 991           | 3.1                                           | 4.2564                   | 1095     |
|                            | 315L6B                    | 132        | 251       | 0.88         | 1261       | 991           | 3.1                                           | 5.1577                   | 1155     |
|                            | 355M6A                    | 160        | 296       | 0.89         | 1530       | 991           | 3.1                                           | 7.8                      | 1400     |
|                            | 355M6B                    | 200        | 371       | 0.87         | 1910       | 991           | 3.1                                           | 9.1                      | 1591     |
|                            | 355L6A                    | 250        | 456       | 0.89         | 2388       | 992           | 3.1                                           | 11.4                     | 2097     |
|                            | 8极电机（ 50Hz同步转速750 r/min ） |            |           |              |            |               |                                               |                          |          |
| 型号                         |                           | 标称功率<br>kW | 额定电流<br>A | 功率因数<br>cosφ | 额定转矩<br>Nm | 额定转速<br>r/min | 最大转矩/额定转矩<br>T <sub>MAX</sub> /T <sub>N</sub> | 转动惯量<br>kgm <sup>2</sup> | 重量<br>kg |
| QABP                       | 100L8A                    | 0.75       | 2.78      | 0.56         | 9.6        | 715           | 2.8                                           | 0.00971                  | 35       |
|                            | 100L8A                    | 1.1        | 3.84      | 0.58         | 14         | 715           | 2.8                                           | 0.01186                  | 38       |
|                            | 112M8A                    | 1.5        | 5.3       | 0.57         | 19.1       | 715           | 2.8                                           | 0.01559                  | 46       |
|                            | 132S8A                    | 2.2        | 6.1       | 0.67         | 28         | 715           | 2.8                                           | 0.03625                  | 62       |
|                            | 132M8A                    | 3          | 7.7       | 0.71         | 38.2       | 710           | 2.8                                           | 0.04141                  | 70       |
|                            | 160M8A                    | 4          | 10.6      | 0.70         | 50.9       | 720           | 2.8                                           | 0.0676                   | 111      |
|                            | 160M8B                    | 5.5        | 14.4      | 0.70         | 70         | 720           | 2.8                                           | 0.09524                  | 131      |
|                            | 160L8A                    | 7.5        | 19.5      | 0.70         | 95.5       | 720           | 2.8                                           | 0.12122                  | 148      |
|                            | 180L8A                    | 11         | 25.6      | 0.75         | 140.1      | 730           | 2.9                                           | 0.2365                   | 188      |
|                            | 200L8A                    | 15         | 35.1      | 0.74         | 191        | 730           | 3.0                                           | 0.37103                  | 247      |
|                            | 225S8A                    | 18.5       | 42.7      | 0.73         | 235.6      | 740           | 3.0                                           | 0.5329                   | 304      |
|                            | 225M8A                    | 22         | 49.2      | 0.75         | 280.1      | 740           | 3.0                                           | 0.6583                   | 316      |
|                            | 250M8A                    | 30         | 63.8      | 0.79         | 382        | 740           | 3.0                                           | 0.975                    | 408      |
|                            | 280S8A                    | 37         | 76.4      | 0.80         | 471.1      | 740           | 2.9                                           | 1.25                     | 519      |
|                            | 280M8A                    | 45         | 94.1      | 0.80         | 573        | 740           | 2.9                                           | 1.485                    | 579      |
|                            | 315S8A                    | 55         | 113       | 0.81         | 700        | 741           | 3.0                                           | 3.6842                   | 965      |
|                            | 315M8A                    | 75         | 152       | 0.82         | 955        | 741           | 3.0                                           | 4.9591                   | 1045     |
|                            | 315L8A                    | 90         | 181       | 0.82         | 1146       | 741           | 3.0                                           | 5.8205                   | 1105     |
|                            | 315L8B                    | 110        | 222       | 0.82         | 1401       | 741           | 3.0                                           | 6.7537                   | 1705     |
|                            | 355M8A                    | 132        | 257.4     | 0.83         | 1680       | 742           | 3.0                                           | 8.6                      | 1430     |
|                            | 355M8B                    | 160        | 318.0     | 0.84         | 2037       | 742           | 3.0                                           | 10.01                    | 1621     |
|                            | 355L8A                    | 200        | 399.9     | 0.83         | 2547       | 742           | 3.0                                           | 12.5                     | 2121     |



## 电机所带独立电源的轴流风机技术参数 Technical Data Table for Ventilator

| 电机机座中心高<br>mm | 电压 (3相)<br>V | 频率<br>Hz | 功率<br>W | 电流<br>A | 风量<br>m <sup>3</sup> /h | 风压<br>Pa | 转速<br>r/min |
|---------------|--------------|----------|---------|---------|-------------------------|----------|-------------|
| 71            | 380          | 50       | 35      | 0.18    | 200                     | 42       | 2800        |
| 80            | 380          | 50       | 60      | 0.24    | 350                     | 60       | 2800        |
| 90            | 380          | 50       | 60      | 0.24    | 500                     | 80       | 2800        |
| 100           | 380          | 50       | 60      | 0.24    | 650                     | 82       | 2800        |
| 112           | 380          | 50       | 60      | 0.24    | 1000                    | 110      | 2800        |
| 132           | 380          | 50       | 60      | 0.24    | 1000                    | 70       | 2800        |
| 160           | 380          | 50       | 40      | 0.21    | 960                     | 40       | 1400        |
| 180           | 380          | 50       | 180     | 0.59    | 1200                    | 55       | 1400        |
| 200           | 380          | 50       | 180     | 0.59    | 1800                    | 65       | 1400        |
| 225           | 380          | 50       | 230     | 0.71    | 2750                    | 82       | 1400        |
| 250           | 380          | 50       | 230     | 0.71    | 3300                    | 85       | 1400        |
| 280           | 380          | 50       | 370     | 1.1     | 4000                    | 110      | 1400        |
| 315           | 380          | 50       | 500     | 1.45    | 5200                    | 150      | 1400        |
| 355           | 380          | 50       | 550     | 1.90    | 6200                    | 100      | 900         |

## 制动器参数 Electromagnetic Brake Data

| 机座号<br>Frame No | 工作气隙<br>Air Gap<br>mm | 静制动力矩<br>Static Braking torque<br>Nm | 空载制动时间<br>N-Load brake lag time<br>ms | 励磁功率<br>Energizing power<br>W |
|-----------------|-----------------------|--------------------------------------|---------------------------------------|-------------------------------|
|                 | A类/B类                 | A类/B类                                | A类/B类                                 | A类/B类                         |
| 71              | 0.2/0.2               | 4/4                                  | 28/30                                 | 20/28                         |
| 80              |                       | 8/8                                  | 31/32                                 | 25/25                         |
| 90              |                       | 16/16                                | 47/45                                 | 30/30                         |
| 100             | 0.3/0.3               | 32/32                                | 53/56                                 | 40/40                         |
| 112             |                       | 60/60                                | 42/57                                 | 50/85                         |
| 132             |                       | 80/80                                | 57/60                                 | 55/55                         |
| 160             | 0.4/0.4               | 150/150                              | 78/78                                 | 85/85                         |
| 180             | 0.4/0.4               | 260/260                              | 165/165                               | 100/100                       |
| 200             | 0.5/0.5               | 400/400                              | 230/230                               | 110/110                       |
| 225             |                       |                                      |                                       |                               |

QABP电机能根据用户需要安装电磁式制动器，构成变频制动电机。

QABP motors can be equipped with brake as per customers request.

注：空载制动时间是指直流开关在正常间隙和正常线圈温度下制动器响应时间。该时间很大程度上取决于工作间隙的值和调整方法。交流开关的吸合时间约比直流开关高10倍。

Note: The no load brake lag time is the brake lag time when you cut off the DC power supply with the nominal gap and nominal temperature of winding. This time depends on the value of the gap and the adjustment method. The brake lag time cut by the AC power supply is about ten times longer than cut by the DC power supply.

A类制动器—进口制动器，防护等级为IP54

A electromagnetic brake—Import, protection class IP54

B类制动器—国产制动器，防护等级为IP54

B electromagnetic brake—Local made, protection class IP54

电机带制动器型号标注为：

Types for brake

MQABPEJ (国产制动器)

MQABPEJ (domestic brake)

QABPEJ (进口制动器)

QABPEJ (imported brake)

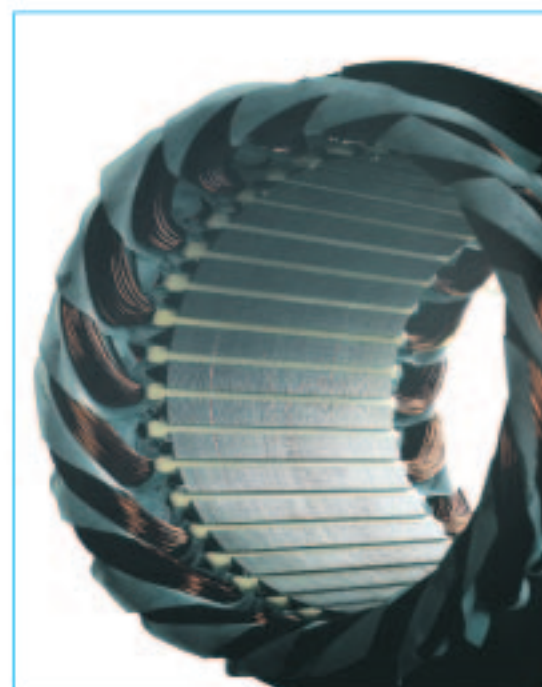


QABP电机能根据用户需要安装各种光电编码器，以满足用户对电机调速和控制的需要。

本公司配置的编码器产品及范围如表所示。

To control and adjust the motor speed, QABP series motor can be equipped with photoelectric encoder.

The encoder and its application scope in our company refers to table below.



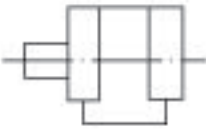
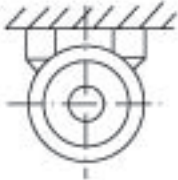
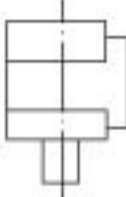
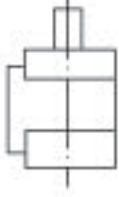
| 编码器型号              | 适用中心高    | 冷却方式         |
|--------------------|----------|--------------|
| OMRON E6B2         | H71-355  | IC416        |
| OMRON E6C2         | H71-355  | IC416        |
| P+F RHI58N         | H71-280  | IC416, IC411 |
| P+F RHI90N         | H315-355 | IC416, IC411 |
| Leine&Linde RHI503 | H71-132  | IC416, IC411 |
| Leine&Linde 861    | H160-355 | IC416, IC411 |
| HUBNER HOG 10      | H160-355 | IC416, IC411 |
| HUBNER POG 9       | H160-355 | IC416        |

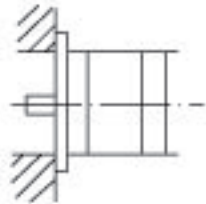
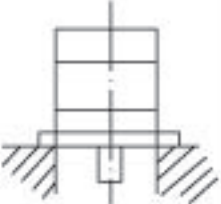
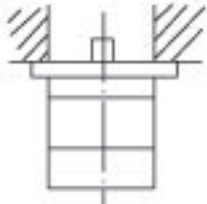
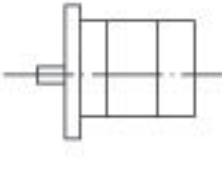
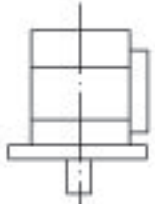
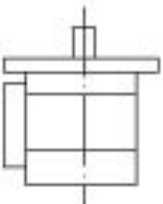
编码器参数参见各品牌相关资料



安装结构型式 Mounting Arrangements (IM)

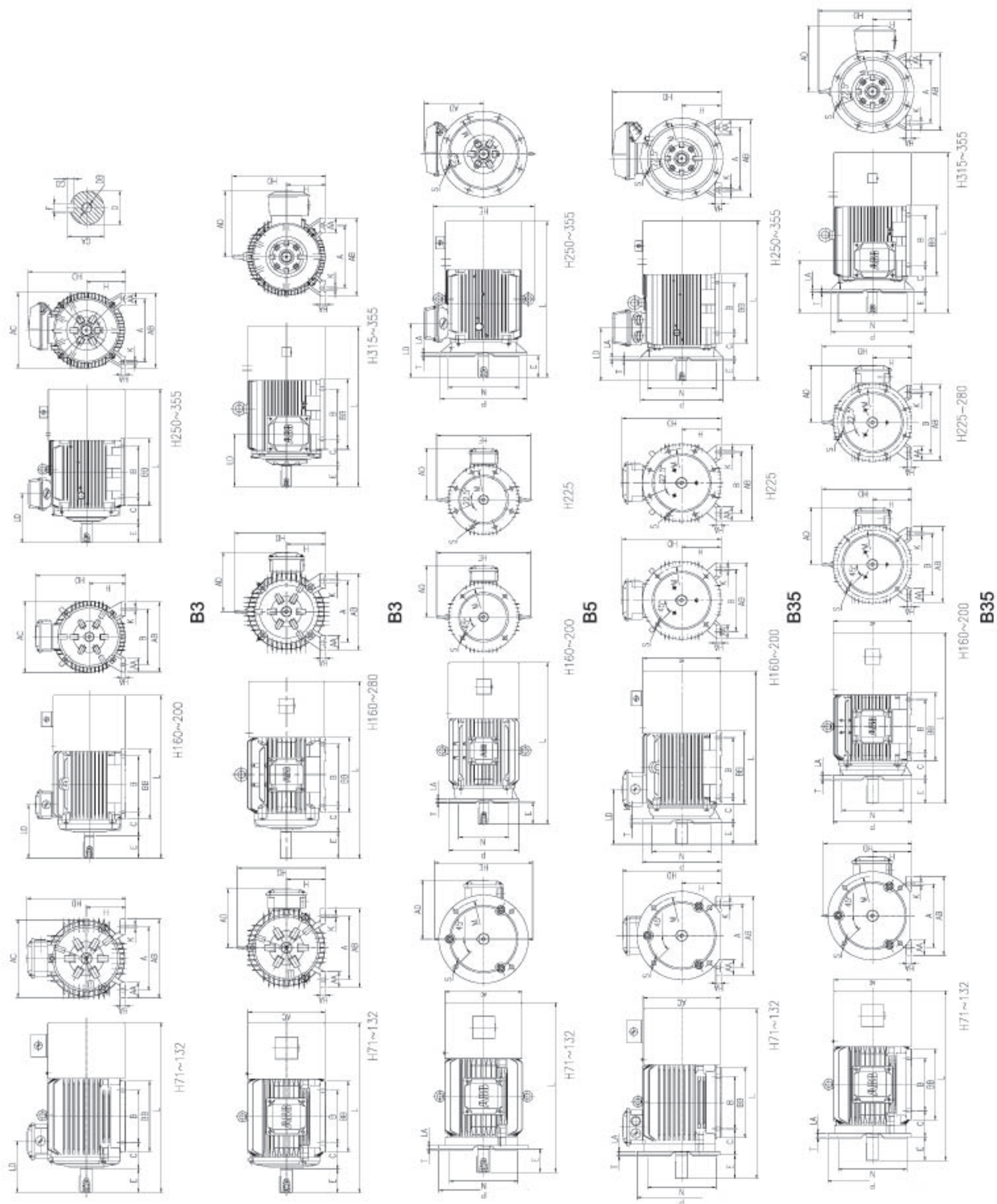
|   |                     |                                                       |
|---|---------------------|-------------------------------------------------------|
| 1 | B3机座带底脚，<br>端盖无凸缘。  | B3 With feet and without flange<br>on the end-shield. |
| 2 | B5机座不带底脚，<br>端盖有凸缘。 | B5 Without feet and with flange<br>on the end-shield. |
| 3 | B35机座带底脚，<br>端盖有凸缘。 | B35 With feet and with flange<br>on the end-shield.   |

|                                  |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 基本结构型式<br>Fundamentel arrangemnt | B3                                                                                  |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 安装结构型式<br>Mounting arrangement   | B3                                                                                  | B6                                                                                  | B7                                                                                    | B8                                                                                    | V5                                                                                    | V6                                                                                    |
| 示意图<br>Diagram                   |  |  |  |  |  |  |

|                                  |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 基本结构型式<br>Fundamentel arrangemnt | B5                                                                                  |                                                                                      |                                                                                       | B35                                                                                   |                                                                                       |                                                                                       |
| 安装结构型式<br>Mounting arrangement   | B5                                                                                  | V1                                                                                   | V3                                                                                    | B35                                                                                   | V15                                                                                   | V36                                                                                   |
| 示意图<br>Diagram                   |  |  |  |  |  |  |



## 安装及外形尺寸 Overall Dimensions





| Type<br>QABP | Poles   | A   | AA  | AB  | AC  | B   | BB  | C   | D   | E   | F  | GA   | GD | H   | HA | HD  | K  | L    | LD  | AD  | LA | M   | N   | P   | S  | T   | HE   | DB  |
|--------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|----|-----|----|------|-----|-----|----|-----|-----|-----|----|-----|------|-----|
| 71M          | 2-4     | 112 | 30  | 145 | 145 | 90  | 120 | 45  | 14  | 30  | 5  | 16   | 5  | 71  | 10 | 200 | 7  | 325  | 100 | 120 | 9  | 130 | 110 | 160 | 10 | 3.5 | 180  | M5  |
| 80M          | 2-6     | 125 | 35  | 160 | 165 | 100 | 135 | 50  | 19  | 40  | 6  | 21.5 | 6  | 80  | 12 | 225 | 10 | 364  | 116 | 145 | 9  | 165 | 130 | 200 | 12 | 3.5 | 200  | M6  |
| 90S          | 2-6     | 140 | 35  | 175 | 180 | 100 | 140 | 56  | 24  | 50  | 8  | 27   | 7  | 90  | 12 | 240 | 10 | 385  | 128 | 150 | 10 | 165 | 130 | 200 | 12 | 3.5 | 200  | M8  |
| 90L          | 2-6     | 140 | 35  | 175 | 180 | 125 | 165 | 56  | 24  | 50  | 8  | 27   | 7  | 90  | 12 | 240 | 10 | 410  | 128 | 150 | 10 | 165 | 130 | 200 | 12 | 3.5 | 200  | M8  |
| 100L         | 2-8     | 160 | 40  | 200 | 205 | 140 | 180 | 63  | 28  | 60  | 8  | 31   | 7  | 100 | 14 | 275 | 12 | 460  | 138 | 175 | 11 | 215 | 180 | 250 | 15 | 4   | 270  | M10 |
| 112M         | 2-8     | 190 | 50  | 240 | 225 | 140 | 190 | 70  | 28  | 60  | 8  | 31   | 7  | 112 | 15 | 290 | 12 | 465  | 144 | 185 | 11 | 215 | 180 | 250 | 15 | 4   | 278  | M10 |
| 132S         | 2-8     | 216 | 55  | 270 | 265 | 140 | 205 | 89  | 38  | 80  | 10 | 41   | 8  | 132 | 18 | 335 | 12 | 530  | 169 | 205 | 12 | 265 | 230 | 300 | 15 | 4   | 320  | M12 |
| 132M         | 2-8     | 216 | 55  | 270 | 265 | 178 | 240 | 89  | 38  | 80  | 10 | 41   | 8  | 132 | 18 | 335 | 12 | 570  | 169 | 205 | 12 | 265 | 230 | 300 | 15 | 4   | 320  | M12 |
| 160M         | 2-8     | 254 | 60  | 325 | 330 | 210 | 265 | 108 | 42  | 110 | 12 | 45   | 8  | 160 | 22 | 415 | 15 | 660  | 250 | 255 | 15 | 300 | 250 | 350 | 19 | 5   | 400  | M16 |
| 160L         | 2-8     | 254 | 60  | 325 | 330 | 254 | 310 | 108 | 42  | 110 | 12 | 45   | 8  | 160 | 22 | 415 | 15 | 705  | 250 | 255 | 15 | 300 | 250 | 350 | 19 | 5   | 400  | M16 |
| 180M         | 2-4     | 279 | 70  | 350 | 355 | 241 | 315 | 121 | 48  | 110 | 14 | 51.5 | 9  | 180 | 22 | 450 | 15 | 745  | 270 | 270 | 18 | 300 | 250 | 350 | 19 | 5   | 420  | M16 |
| 180L         | 4-8     | 279 | 70  | 350 | 355 | 279 | 350 | 121 | 48  | 110 | 14 | 51.5 | 9  | 180 | 22 | 450 | 15 | 785  | 270 | 270 | 18 | 300 | 250 | 350 | 19 | 5   | 420  | M16 |
| 200L         | 2-8     | 318 | 70  | 390 | 395 | 305 | 380 | 133 | 55  | 110 | 16 | 59   | 10 | 200 | 25 | 510 | 19 | 845  | 285 | 305 | 20 | 350 | 300 | 400 | 19 | 5   | 470  | M20 |
| 225S         | 4-8     | 356 | 75  | 435 | 440 | 286 | 380 | 149 | 60  | 140 | 18 | 64   | 11 | 225 | 28 | 560 | 19 | 880  | 340 | 335 | 20 | 400 | 350 | 450 | 19 | 5   | 520  | M20 |
| 225M         | 2       | 356 | 75  | 435 | 440 | 311 | 405 | 149 | 55  | 110 | 16 | 59   | 10 | 225 | 28 | 560 | 19 | 875  | 310 | 335 | 20 | 400 | 350 | 450 | 19 | 5   | 520  | M20 |
| 225M         | 4-8     | 356 | 75  | 435 | 440 | 311 | 405 | 149 | 60  | 140 | 18 | 64   | 11 | 225 | 28 | 560 | 19 | 900  | 340 | 335 | 20 | 400 | 350 | 450 | 19 | 5   | 520  | M20 |
| 250M         | 2       | 406 | 80  | 490 | 515 | 349 | 455 | 168 | 60  | 140 | 18 | 64   | 11 | 250 | 30 | 645 | 24 | 1005 | 360 | 395 | 22 | 500 | 450 | 550 | 19 | 5   | 655  | M20 |
| 250M         | 4-8     | 406 | 80  | 490 | 515 | 349 | 455 | 168 | 65  | 140 | 18 | 69   | 11 | 250 | 30 | 645 | 24 | 1005 | 360 | 395 | 22 | 500 | 450 | 550 | 19 | 5   | 655  | M20 |
| 280S         | 2       | 457 | 85  | 555 | 540 | 368 | 490 | 190 | 65  | 140 | 18 | 69   | 11 | 280 | 35 | 715 | 24 | 1115 | 355 | 435 | 22 | 500 | 450 | 550 | 19 | 5   | 725  | M20 |
| 280S         | 4-8     | 457 | 85  | 555 | 540 | 368 | 490 | 190 | 75  | 140 | 20 | 79.5 | 12 | 280 | 35 | 715 | 24 | 1115 | 355 | 435 | 22 | 500 | 450 | 550 | 19 | 5   | 725  | M20 |
| 280M         | 2       | 457 | 85  | 555 | 540 | 419 | 540 | 190 | 65  | 140 | 18 | 69   | 11 | 280 | 35 | 715 | 24 | 1165 | 355 | 435 | 22 | 500 | 450 | 550 | 19 | 5   | 725  | M20 |
| 280M         | 4-8     | 457 | 85  | 555 | 540 | 419 | 540 | 190 | 75  | 140 | 20 | 79.5 | 12 | 280 | 35 | 715 | 24 | 1165 | 355 | 435 | 22 | 500 | 450 | 550 | 19 | 5   | 725  | M20 |
| 315S         | 2       | 508 | 120 | 640 | 630 | 406 | 575 | 216 | 65  | 140 | 18 | 69   | 11 | 315 | 45 | 870 | 28 | 1270 | 400 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 315S         | 4, 6, 8 | 508 | 120 | 640 | 630 | 406 | 575 | 216 | 80  | 170 | 22 | 85   | 14 | 315 | 45 | 870 | 28 | 1300 | 430 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 315M         | 2       | 508 | 120 | 640 | 630 | 457 | 685 | 216 | 65  | 140 | 18 | 69   | 11 | 315 | 45 | 870 | 28 | 1380 | 400 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 315M         | 4, 6, 8 | 508 | 120 | 640 | 630 | 457 | 685 | 216 | 80  | 170 | 22 | 85   | 14 | 315 | 45 | 870 | 28 | 1410 | 430 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 315L         | 2       | 508 | 120 | 640 | 630 | 508 | 685 | 216 | 65  | 140 | 18 | 69   | 11 | 315 | 45 | 870 | 28 | 1380 | 400 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 315L         | 4, 6, 8 | 508 | 120 | 640 | 630 | 508 | 685 | 216 | 80  | 170 | 22 | 85   | 14 | 315 | 45 | 870 | 28 | 1410 | 430 | 555 | 24 | 600 | 550 | 660 | 24 | 6   | 905  | M20 |
| 355M         | 2       | 610 | 120 | 730 | 710 | 560 | 750 | 254 | 70  | 140 | 20 | 74.5 | 12 | 355 | 52 | 950 | 35 | 1585 | 424 | 655 | 25 | 740 | 680 | 800 | 24 | 6   | 1010 | M20 |
| 355M         | 4-6     | 610 | 120 | 730 | 710 | 560 | 750 | 254 | 100 | 210 | 28 | 106  | 16 | 355 | 52 | 950 | 35 | 1655 | 494 | 655 | 25 | 740 | 680 | 800 | 24 | 6   | 1010 | M24 |
| 355L         | 2       | 610 | 120 | 730 | 710 | 630 | 750 | 254 | 70  | 140 | 20 | 74.5 | 12 | 355 | 52 | 950 | 35 | 1585 | 424 | 655 | 25 | 740 | 680 | 800 | 24 | 6   | 1010 | M20 |
| 355L         | 4-6     | 610 | 120 | 730 | 710 | 630 | 750 | 254 | 100 | 210 | 28 | 106  | 16 | 355 | 52 | 950 | 35 | 1655 | 494 | 655 | 25 | 740 | 680 | 800 | 24 | 6   | 1010 | M24 |

## 电动机铭牌 Rating Plate

|                                                                                             |           |                |    |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------|----------------|----|-------------------------------------------------------------------------------------|
|          |           | ABB Motors     |    |  |
| 3~Motor                                                                                     |           | QABP280M4A     |    |                                                                                     |
| No.                                                                                         |           |                |    |                                                                                     |
| 5-50                                                                                        | Hz        | 573            | Nm |                                                                                     |
| 50-100                                                                                      | Hz        | 90             | kW |                                                                                     |
| 380Δ/660Y                                                                                   |           |                | V  |                                                                                     |
| 168 /96.0                                                                                   |           |                | A  |                                                                                     |
| S1                                                                                          | cosφ 0.89 | 1485 r/min     |    |                                                                                     |
| Ins.cl.F                                                                                    | IP 55     | 140-2950 r/min |    |                                                                                     |
| QABP282301-ABA                                                                              |           |                |    |                                                                                     |
|                                                                                             |           |                |    |                                                                                     |
| 6316/C3  |           | 6316/C3        |    | kg                                                                                  |
| IEC 60034-1                                                                                 |           |                |    |                                                                                     |

|                   |               |            |      |                |
|-------------------|---------------|------------|------|----------------|
| <b>ABB</b>        |               | ABB Motors |      | CE             |
| 3~Mot. QABP132M4A |               | IEC60034-1 |      |                |
| QABP132301-ABA    |               | IP55       | cl.F |                |
| 6208/C3           | 6207/C3       | cosφ 0.84  |      |                |
| 380Δ/660Y V       | 15.8 / 9.10 A | S 1        |      |                |
| 5-50              | Hz            | 47.8       | Nm   | 1420 r/min     |
| 50-100            | Hz            | 7.5        | kW   | 135-2900 r/min |
|                   |               |            |      | kg             |
| No.               |               | Date       |      |                |



| 机座号      | 71-132 | >132-280 | >280-355 |
|----------|--------|----------|----------|
| 振动速度mm/s | 1.6    | 2.2      | 2.8      |

| 机座号        | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | 280 | 315 | 355 |
|------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 噪音Lp dB(A) | 66 | 68 | 70 | 74  | 75  | 81  | 84  | 89  | 90  | 90  | 91  | 93  | 95  | 96  |

## 轴承型号、出线孔尺寸 Bearing Type and Dimensions

| 轴承型号 |            |       |    |       |    |         | 接线盒出线孔 |         |       |    |       |    |         |
|------|------------|-------|----|-------|----|---------|--------|---------|-------|----|-------|----|---------|
| 型号   | 极数         | D-end |    | N-end |    | mm      | 型号     | 极数      | D-end |    | N-end |    | mm      |
| 71M  | 2, 4       | 6202  | C3 | 6202  | C3 | M24x1.5 | 250M   | 2       | 6314  | C3 | 6214  | C3 | M64x2   |
| 80M  | 2, 4, 6    | 6204  | C3 | 6204  | C3 | M24x1.5 | 250M   | 4, 6, 8 | 6314  | C3 | 6214  | C3 | M64x2   |
| 90S  | 2, 4, 6    | 6205  | C3 | 6205  | C3 | M24x1.5 | 280S   | 2       | 6316  | C4 | 6316  | C4 | M64x2   |
| 90L  | 2, 4, 6    | 6205  | C3 | 6205  | C3 | M24x1.5 | 280S   | 4, 6, 8 | 6316  | C3 | 6316  | C3 | M64x2   |
| 100L | 2, 4, 6, 8 | 6206  | C3 | 6206  | C3 | M30x2   | 280M   | 2       | 6316  | C4 | 6316  | C4 | M64x2   |
| 112M | 2, 4, 6, 8 | 6207  | C3 | 6206  | C3 | M30x2   | 280M   | 4, 6, 8 | 6316  | C3 | 6316  | C3 | M64x2   |
| 132S | 2, 4, 6, 8 | 6207  | C3 | 6206  | C3 | M30x2   | 315S   | 2       | 6316  | C4 | 6316  | C4 | 2-M64x2 |
| 132M | 2, 4, 6, 8 | 6208  | C3 | 6207  | C3 | M30x2   | 315S   | 4, 6, 8 | 6319  | C3 | 6319  | C3 | 2-M64x2 |
| 160M | 2, 4, 6, 8 | 6208  | C3 | 6207  | C3 | M30x2   | 315M   | 2       | 6316  | C4 | 6316  | C4 | 2-M64x2 |
| 160L | 2, 4, 6, 8 | 6209  | C3 | 6209  | C3 | M36x2   | 315M   | 4, 6, 8 | 6319  | C3 | 6319  | C3 | 2-M64x2 |
| 180M | 2, 4, 6, 8 | 6310  | C3 | 6210  | C3 | M36x2   | 315L   | 2       | 6316  | C4 | 6316  | C4 | 2-M64x2 |
| 180L | 2, 4, 6, 8 | 6310  | C3 | 6210  | C3 | M36x2   | 315L   | 4, 6, 8 | 6319  | C3 | 6319  | C3 | 2-M64x2 |
| 200L | 2, 4, 6, 8 | 6312  | C3 | 6212  | C3 | M48x2   | 355M   | 2       | 6319M | C4 | 6319M | C4 | 2-M64x2 |
| 225S | 4, 6, 8    | 6313  | C3 | 6213  | C3 | M48x2   | 355M   | 4, 6, 8 | 6322  | C3 | 6319  | C3 | 2-M64x2 |
| 225M | 2          | 6313  | C3 | 6213  | C3 | M48x2   | 355L   | 2       | 6319M | C4 | 6319M | C4 | 2-M64x2 |
| 225M | 4, 6, 8    | 6313  | C3 | 6213  | C3 | M48x2   | 355L   | 4, 6, 8 | 6322  | C3 | 6319  | C3 | 2-M64x2 |

注：标配71-225为封闭式轴承，250-355开启式轴承。建议100kW以上电机非驱动端安装绝缘轴承，以消除轴电流的影响，提高轴承寿命。

Note: Close-type bearing is provided as standard for 71-225, open-type bearing for 250-355. Per customer's request, our motor can be equipped with insulated bearing at N-end to have longer service life.

## 轴流风机出线孔 Ventilator's Cable Entry

| 型号             | 出线孔 mm  |
|----------------|---------|
| QABP71-QABP355 | M20x1.5 |

## 订货须知 How to place an order

- 订货时请注明电机型号、额定功率、额定电压、额定频率、安装型式。
- 若对电机极数、电压等级、调速特性、绝缘等级、防护型式、安装尺寸、冷却方式等有特殊要求，请在订货时说明，另行商议。
- 需安装制动器，编码器，或同时带制动器，编码器，需订货时说明。
- 用户应根据自己选用的变频器及相应配置，考虑电机是否安装绝缘轴承；安装绝缘轴承，订货时应说明。

- When ordering, please note the motor type, rated output, rated voltage, rated frequency, and mounting arrangement.
- For special requests in the fields of poles, voltage, speed characteristics, insulation class, protection, mounting dimensions, and cooling method and so on, please consult with our people.
- When ordering, please note the situation if brake or encoder is required.
- If the insulated bearings are requested for the motor to match with customer's specific converter, please consult with our people.



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