# M2QA/QAD系列
# 变极多速三相异步电动机

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、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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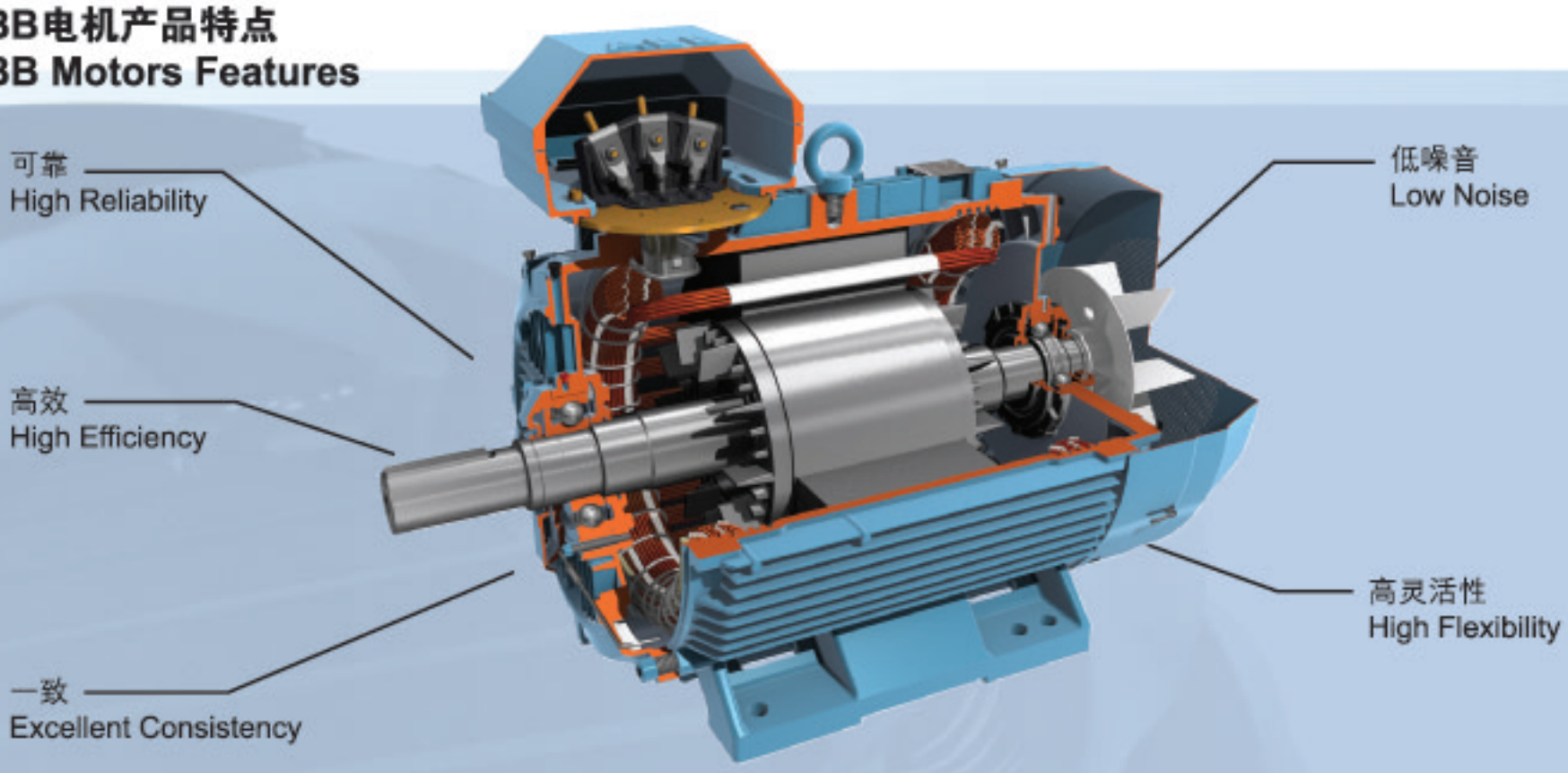
## ABB电机产品特点
## ABB Motors Features




### M2QA/QAD 系列突出特点

- 特殊设计，能够通过变极调速获得两种或两种以上不同的转速，简化变速系统，有效节约调速成本。
- 根据设备实际操作情况合理分配功率达到节约能耗的效果。

### Outstanding Features of M2QA/QAD Motors

- By simple switching between the pole pairs, different motor speeds can be achieved.

## 产品概述
## M2QA/QAD系列变极多速三相异步电动机（H80-H280）

M2QA/QAD系列变极多速三相异步电动机是M2QA/QA系列电动机的电气派生产品，该系列电动机由于具有可随负载性质的要求实现变极调速。其安装和外形尺寸与相应的基本系列完全相同，在机床、矿山、冶金、纺织、印染、化工、农机等工业部门得到广泛的应用。

## Summary
## M2QA/QAD Series Pole Changing Multi-speed Three-phase Induction Motors (H80-H280)

Electrically derived from M2QA/QA series motors, the M2QA/QAD series pole changing multi-speed three-phase induction motors can variate the motor speed by change of the pole pairs. The mounting arrangements and dimensions are the same as for the standard series motors. M2QA/QAD series motors are extensively used areas such as machine tooling, mining, metallurgical areas, textiles, dying, chemical and agricultural applications.

## 标准

1. 电机参照国际标准设计制造

- 国际电工委员会IEC60034、IEC60072
- 英国标准BS4999-5000
- 澳大利亚标准AS1359-2
- 德国标准DIN42673

2. 电机符合下列标准

- GB755
- GB10069
- Q/JBQS36

## Standards

1. These motors are built to comply with current International Standards.

- International Electro-technical Commission-IEC60034 and IEC60072
- British Standard-BS5000 and BS4999
- Australian Standard-AS1359-2
- German Standard-DIN42673

2. These motors are built to comply with current National Standards

- GB755
- GB10069
- Q/JBQS36

## 合理的结构设计

- 灵活的引出线方向
  电机接线盒的安装方式可在电机顶部、左侧、右侧各种形式，接线盒自身可旋转安装，71-132机座引出线可旋转 4×90°方向，160以上机座引出线可旋转 2×180°方向。用户在订货时无特殊说明，则电机按接线盒在顶部出线孔朝右方式供货。

- 美观的电机造型
  机座散热筋设计成垂直、水平分布，端盖、接线盒、风罩均作改进设计，外形别致美观。

## Mechanical Design

- Terminal boxes
  Terminal boxes aremounted either on the top, or on either side of the motor. The terminal box of motors sizes 80 to 132 can be turned $4 \times 90^{\circ}$ and in motors sizes 160 to 280 rotated $2 \times 180^{\circ}$ . To enable the supply of suitable terminations for the motor, please state cale type, quantity and size when ordering.

- Polished outward aqqearance
  The external design of the motors is consistent with the design of the ABB "M2000" Family. The frame, cooling ribs, terminal box and fan cover have been reshaped to meet customer's design preference.

## 优越的电器性能

- 低噪声低振动
  通过设计及工艺的改进，M2QA/QAD系列电机在噪声、振动上有了大幅度降低，并达到先进水平。

- 高性能的防护等级
  电机的标准设计防护等级为IP55，可按用户要求提供更高要求的防护等级。

- 提高绝缘等级，增加电机使用寿命
  标准电机采用F级绝缘结构，从而提高电机使用寿命，增加了电机可靠性。

- 高效率
  电机采用优化设计，具有较高效率，可产生可观的节能效果。

## Electrical Design

- Munimum Noise and Vibration levels
  Careful attention to design and manufacturing details has allowed International Standards to be comfortably met.

- Maximum Degrees of Protection
  All ABB motors are protected to IP55 as aminimum. Higher levels of protection are available on reuest.

- Class F insulation offers greaer reliabity and security.

- High Effciency
  M2QA/QAD motors are designed for high effciency and low temperature rise giving a long service life and reduced running costs.

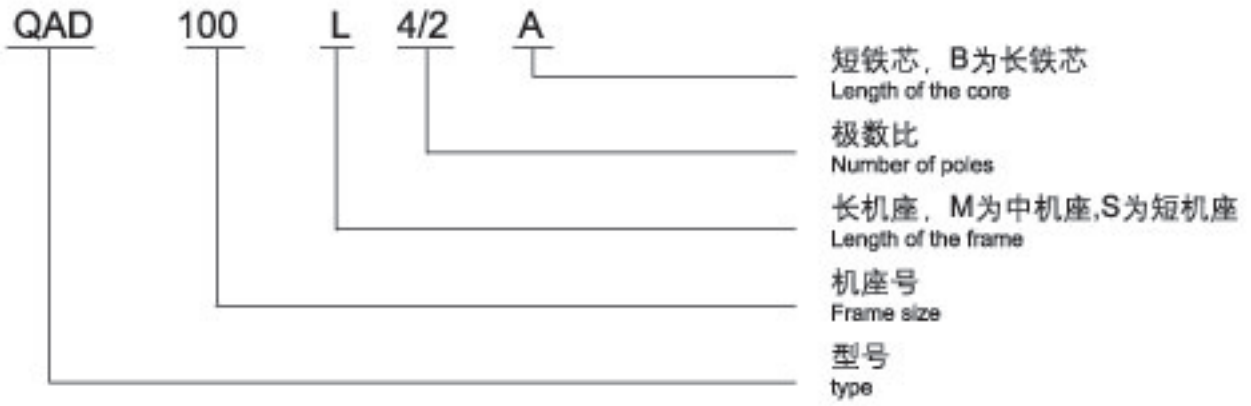
## 众多的选择满足各种用户需求

- 加装热敏电阻。
- 加装加热带。
- 加装注油嘴。
- 加装防尘密封圈（IP56）。
- 加装防油密封圈。
- 加装特殊法兰。
- 加装特殊轴伸等各种需求。

## Special Requirements Can be Supplied on Request

- Thermistors
- Anti-condensation heaters
- Re-greasing facilities
- Dust-proof (IP56)
- Oil seals
- Non standard flanges
- Non standard shaft extensions

## 电动机型号说明 Type Desighnation




## 使用条件

- 海拔不超过1000m。
- 环境空气温度随季节而变化，但不超过+40℃。
- 工作电压：380V, 400V
- 额定频率：50Hz
- 工作方式：连续（S1）
- 绝缘等级：F

## Conditions of Operation

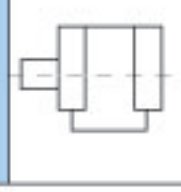
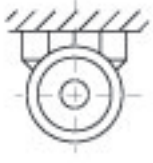
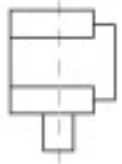
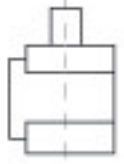
- An altitude should not be over 1,000 meters above sea level.
- An ambient temperature not exceeding+40℃ .
- Voltage: 380V, 400V
- Frequency: 50Hz
- Duty:continuous(S1)
- Insulation class: F

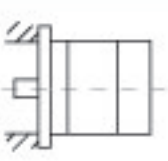
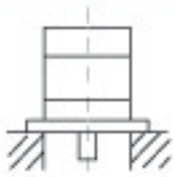
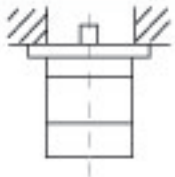
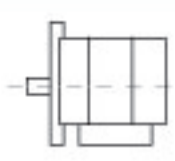
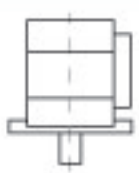
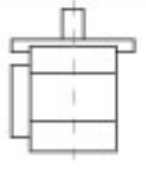
## 安装结构型式

- B3机座带底脚，端盖无凸缘。
- B5机座不带底脚，端盖有凸缘。
- B35机座带底脚，端盖有凸缘。

## Mounting Designation(IM)

- B3 Foot-mounted motor
- B5 Flange-mounted motor
- B35 Foot-mounted and flang-mounted motor

| 基本结构形式 Fundamental arrangement | | | B3 | | | |
|---|---|---|---|---|---|---|
| 安装结构形式 Mounting arrangement | B3 | B6 | B7 | B8 | V5 | V6 |
| 示意图 Diagram |  |  |  |  |  |  |

| 基本结构形式 Fundamental arrangement | B5 | | | B35 | | |
|---|---|---|---|---|---|---|
| 安装结构形式 Mounting arrangement | B5 | V1 | V3 | B35 | V15 | V36 |
| 示意图 Diagram |  |  |  |  |  |  |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Motor Type | | Output (kW) | | Product code | Speed r/min | Effi-ciency % | Power factor | IN A | Current IS/IN | Torque TN Nm | Torque TS/TN | Torque TMAX/TN | Sound pressur level Lp dB(A) | Moment of inertia J=1/4GD² kgm² | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1500/3000 r/min=4-2ploes | | | | | | | 400V 50Hz | | | Fan drive, two separate windings | | | | | |
| M2QA | 80M4-2A | 0.14 | 3GQA | 088321 | 1415 | 53 | 0.57 | 0.67 | 4 | 0.94 | 1.8 | 2.3 | 68 | 0.00095 | 16 |
| | | 0.65 | | | 2870 | 71.5 | 0.81 | 1.62 | 6.5 | 2.16 | 1.9 | 2.4 | | | |
| | 80M4-2B | 0.2 | | 088322 | 1410 | 53.5 | 0.59 | 0.91 | 4 | 1.35 | 1.8 | 2.3 | 68 | 0.00101 | 17 |
| | | 0.95 | | | 2850 | 73 | 0.82 | 2.29 | 6.5 | 3.18 | 1.9 | 2.4 | | | |
| | 80M4-2C | 0.25 | | 088323 | 1405 | 56.5 | 0.62 | 1.03 | 4 | 1.7 | 1.8 | 2.3 | 68 | 0.00117 | 18 |
| | | 1.1 | | | 2840 | 74 | 0.84 | 2.55 | 6.5 | 3.7 | 1.9 | 2.4 | | | |
| | 90S4-2A | 0.22 | | 098121 | 1405 | 50 | 0.62 | 1.02 | 3.5 | 1.5 | 1.4 | 2.0 | 72 | 0.00135 | 21 |
| | | 1.4 | | | 2850 | 76.5 | 0.87 | 3.04 | 6.5 | 4.69 | 2.0 | 2.4 | | | |
| | 90L4-2A | 0.3 | | 098521 | 1405 | 53 | 0.65 | 1.26 | 3.5 | 2.04 | 1.4 | 2.0 | 72 | 0.00163 | 24 |
| | | 1.9 | | | 2860 | 78 | 0.87 | 4.04 | 7.0 | 6.34 | 2.0 | 2.4 | | | |
| | 100L4-2A | 0.4 | | 108521 | 1435 | 65 | 0.67 | 1.33 | 4.5 | 2.66 | 1.5 | 2.2 | 76 | 0.00402 | 33 |
| | | 2.5 | | | 2885 | 79.5 | 0.87 | 5.22 | 7.0 | 8.28 | 2.0 | 2.6 | | | |
| | 112M4-2A | 0.6 | | 118321 | 1460 | 66 | 0.59 | 2.22 | 6.0 | 3.92 | 1.8 | 2.8 | 79 | 0.00671 | 42 |
| | | 3.5 | | | 2895 | 82 | 0.89 | 6.92 | 7.0 | 11.55 | 2.0 | 2.5 | | | |
| | 132S4-2A | 1 | | 138121 | 1465 | 72 | 0.59 | 3.40 | 5.5 | 6.52 | 1.5 | 2.5 | 83 | 0.01442 | 62 |
| | | 5.5 | | | 2915 | 85 | 0.88 | 10.61 | 8.0 | 18.02 | 2.1 | 2.6 | | | |
| | 132M4-2A | 1.2 | | 138321 | 1465 | 76.5 | 0.60 | 3.82 | 5.5 | 7.82 | 1.5 | 2.5 | 83 | 0.01618 | 70 |
| | | 7.4 | | | 2915 | 86.5 | 0.90 | 13.72 | 8.0 | 24.24 | 2.1 | 2.6 | | | |
| | 160M4-2A | 1.9 | | 168321 | 1465 | 80 | 0.67 | 5.12 | 6.5 | 12.39 | 2.0 | 2.5 | 84 | 0.05122 | 121 |
| | | 13 | | | 2920 | 87 | 0.91 | 23.7 | 8.0 | 42.52 | 2.2 | 2.8 | | | |
| | 160L4-2A | 2.5 | | 168521 | 1465 | 81 | 0.69 | 6.46 | 6.5 | 16.30 | 2.0 | 2.4 | 84 | 0.06782 | 147 |
| | | 17.5 | | | 2920 | 88 | 0.92 | 31.20 | 8.0 | 57.23 | 2.2 | 2.8 | | | |
| | 180M4-2A | 2.8 | | 188321 | 1475 | 84 | 0.69 | 6.97 | 6.0 | 18.13 | 1.9 | 2.8 | 84 | 0.08805 | 170 |
| | | 20 | | | 2950 | 89 | 0.89 | 36.45 | 8.0 | 64.75 | 2.2 | 2.8 | | | |
| | 180L4-2A | 3.6 | | 188521 | 1475 | 85 | 0.70 | 8.73 | 6.0 | 23.31 | 1.9 | 2.8 | 84 | 0.10442 | 194 |
| | | 25 | | | 2950 | 90 | 0.90 | 44.55 | 8.0 | 80.93 | 2.2 | 2.8 | | | |
| | 200L4-2A | 4.1 | | 208521 | 1480 | 81 | 0.70 | 10.44 | 6.0 | 26.46 | 2.2 | 2.8 | 87 | 0.15611 | 243 |
| | | 30 | | | 2960 | 90.5 | 0.89 | 53.76 | 8.0 | 96.79 | 2.2 | 2.8 | | | |
| | 200L4-2B | 5.5 | | 208522 | 1480 | 83 | 0.71 | 13.47 | 6.0 | 35.49 | 2.2 | 2.8 | 87 | 0.18287 | 262 |
| | | 38 | | | 2960 | 91 | 0.90 | 66.97 | 8.0 | 122.60 | 2.3 | 2.8 | | | |
| | 225M4-2B | 6 | | 228322 | 1485 | 86.5 | 0.71 | 14.10 | 6.0 | 38.59 | 1.9 | 2.8 | 87 | 0.29345 | 327 |
| | | 43 | | | 2975 | 92 | 0.88 | 76.66 | 8.0 | 138.03 | 2.2 | 2.8 | | | |
| | 225M4-2C | 7 | | 228323 | 1485 | 87 | 0.71 | 16.36 | 6.0 | 45.02 | 1.9 | 2.8 | 87 | 0.33299 | 352 |
| | | 50 | | | 2975 | 92.5 | 0.89 | 87.67 | 8.0 | 160.50 | 2.2 | 2.8 | | | |
| | 250M4-2B | 10 | | 258322 | 1485 | 87.5 | 0.73 | 22.60 | 6.5 | 64.31 | 2.2 | 2.8 | 89 | 0.50876 | 449 |
| | | 70 | | | 2975 | 93 | 0.91 | 119.39 | 9.0 | 224.71 | 2.3 | 2.8 | | | |
| 1500/3000 r/min=4/2ploes | | | | | | | 400V 50Hz | | | Fan drive, Dahlandar-connection | | | | | |
| M2QA | 80M4/2A | 0.2 | 3GQA | 088311 | 1395 | 57.5 | 0.65 | 0.77 | 3.5 | 1.37 | 1.4 | 1.9 | 68 | 0.00091 | 16 |
| | | 0.85 | | | 2835 | 75 | 0.85 | 1.92 | 6.0 | 2.86 | 1.8 | 2.2 | | | |
| | 80M4/2B | 0.25 | | 088312 | 1410 | 64.5 | 0.62 | 0.90 | 3.5 | 1.69 | 1.5 | 1.9 | 68 | 0.11101 | 17 |
| | | 1.1 | | | 2840 | 77 | 0.85 | 2.43 | 6.0 | 3.70 | 2.0 | 2.4 | | | |
| | 80M4/2C | 0.35 | | 088313 | 1400 | 66 | 0.66 | 1.16 | 3.5 | 2.39 | 1.5 | 1.9 | 68 | 0.00117 | 18 |
| | | 1.4 | | | 2830 | 77.5 | 0.85 | 3.07 | 6.0 | 4.72 | 2.0 | 2.4 | | | |
| | 90S4/2A | 0.33 | | 098111 | 1410 | 62 | 0.57 | 1.35 | 3.5 | 2.24 | 1.6 | 2.1 | 72 | 0.00135 | 21 |
| | | 1.5 | | | 2855 | 78.5 | 0.86 | 3.21 | 7.0 | 5.02 | 2.2 | 2.5 | | | |
| | 90L4/2A | 0.45 | | 098511 | 1420 | 66 | 0.53 | 1.86 | 4.0 | 3.03 | 2.0 | 2.1 | 72 | 0.00163 | 24 |
| | | 2.2 | | | 2865 | 81 | 0.86 | 4.56 | 7.5 | 7.33 | 2.4 | 2.7 | | | |
| | 90L4/2B | 0.47 | | 098512 | 1425 | 67 | 0.50 | 2.03 | 4.0 | 3.15 | 2.0 | 2.1 | 72 | 0.00201 | 26 |
| | | 2.5 | | | 2865 | 82 | 0.87 | 5.06 | 7.5 | 8.33 | 2.4 | 2.7 | | | |
| | 100L4/2A | 0.6 | | 108511 | 1445 | 74.5 | 0.61 | 1.91 | 5.0 | 3.97 | 1.5 | 2.1 | 76 | 0.00445 | 34 |
| | | 3 | | | 2875 | 83 | 0.89 | 5.86 | 7.5 | 9.97 | 2.0 | 2.4 | | | |
| | 100L4/2B | 0.7 | | 108512 | 1445 | 75.5 | 0.63 | 2.12 | 5.0 | 4.63 | 1.5 | 2.1 | 76 | 0.00529 | 37 |
| | | 3.5 | | | 2870 | 83 | 0.90 | 6.76 | 7.5 | 11.65 | 2.0 | 2.4 | | | |
| | 112M4/2A | 1 | | 118311 | 1445 | 81 | 0.82 | 2.17 | 6.5 | 6.61 | 2.0 | 2.8 | 79 | 0.01306 | 47 |
| | | 4.5 | | | 2850 | 82 | 0.88 | 9.00 | 7.5 | 15.08 | 2.4 | 2.8 | | | |
| | 132S4/2A | 1.3 | | 138111 | 1460 | 82.5 | 0.69 | 3.30 | 6.5 | 8.50 | 2.1 | 2.8 | 83 | 0.01442 | 62 |
| | | 6.2 | | | 2905 | 86 | 0.90 | 11.56 | 7.5 | 20.38 | 2.3 | 2.8 | | | |
| | 132M4/2A | 1.7 | | 138311 | 1460 | 85 | 0.72 | 4.01 | 6.5 | 11.12 | 2.1 | 2.8 | 83 | 0.1966 | 76 |
| | | 8.3 | | | 2910 | 87 | 0.92 | 14.97 | 8.0 | 27.24 | 2.3 | 2.8 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Motor Type | | Output (kW) | | Product code | Speed r/min | Effi-ciency % | Power factor | In A | Current Is/In | Torque TN Nm | Torque Ts/TN | Torque TMAX/TN | Sound pressur level Lp dB(A) | Moment of inertia J=1/4GD² kgm² | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1500/3000 r/min=4/2ploes | | | | | | 400V 50Hz | | | Fan drive, Dahlandar-connection | | | | | | |
| M2QA | 160M4/2A | 2 | 3GQA | 168311 | 1460 | 84.5 | 0.68 | 5.02 | 6.0 | 13.08 | 2.4 | 2.3 | 84 | 0.0436 | 112 |
| | | 10 | | | 2925 | 87 | 0.90 | 18.43 | 7.0 | 32.65 | 2.2 | 2.8 | | | |
| | 160M4/2B | 3.2 | | 168312 | 1465 | 85.5 | 0.67 | 8.06 | 6.0 | 20.86 | 2.4 | 2.3 | 84 | 0.06091 | 134 |
| | | 16 | | | 2925 | 88.5 | 0.91 | 28.68 | 7.0 | 52.24 | 2.2 | 2.8 | | | |
| | 160L4/2A | 4.5 | | 168511 | 1460 | 86.5 | 0.70 | 10.73 | 6.0 | 29.43 | 2.2 | 2.3 | 84 | 0.07336 | 155 |
| | | 19.5 | | | 2925 | 89 | 0.91 | 34.75 | 7.5 | 63.67 | 2.25 | 2.8 | | | |
| | 180M4/2A | 4.7 | | 188311 | 1475 | 88 | 0.69 | 11.17 | 6.0 | 30.43 | 2.0 | 2.8 | 84 | 0.08805 | 169 |
| | | 21.5 | | | 2950 | 90 | 0.90 | 38.31 | 7.5 | 69.60 | 2.0 | 2.8 | | | |
| | 180L4/2A | 5.2 | | 188511 | 1475 | 89 | 0.69 | 12.22 | 6.0 | 33.67 | 2.0 | 2.8 | 84 | 0.10442 | 193 |
| | | 26 | | | 2950 | 90.5 | 0.91 | 45.57 | 7.5 | 84.17 | 2.0 | 2.8 | | | |
| | 200L4/2A | 8 | | 208511 | 1475 | 89.5 | 0.76 | 16.98 | 5.0 | 51.80 | 1.8 | 2.8 | 87 | 0.14821 | 233 |
| | | 32 | | | 2960 | 90.5 | 0.89 | 57.35 | 7.5 | 103.24 | 2.2 | 2.8 | | | |
| | 200L4/2B | 10 | | 208512 | 1475 | 90 | 0.76 | 21.10 | 5.0 | 64.75 | 1.9 | 2.8 | 87 | 0.18287 | 260 |
| | | 39 | | | 2965 | 91.5 | 0.89 | 69.13 | 8.0 | 125.62 | 2.4 | 2.8 | | | |
| | 200L4/2C | 11 | | 208513 | 1475 | 90.5 | 0.76 | 23.08 | 5.0 | 71.22 | 1.9 | 2.8 | 87 | 0.18845 | 272 |
| | | 42 | | | 2965 | 91.5 | 0.89 | 74.44 | 8.0 | 135.28 | 2.5 | 2.8 | | | |
| | 225M4/2B | 13 | | 228312 | 1480 | 91 | 0.77 | 26.78 | 5.0 | 83.89 | 1.6 | 2.3 | 87 | 0.29345 | 324 |
| | | 45 | | | 2975 | 91.5 | 0.88 | 80.67 | 8.0 | 144.45 | 2.3 | 2.8 | | | |
| | 225M4/2C | 15 | | 228313 | 1480 | 91.5 | 0.77 | 30.73 | 5.0 | 96.79 | 1.6 | 2.3 | 87 | 0.37254 | 367 |
| | | 55 | | | 2975 | 92 | 0.89 | 96.95 | 8.0 | 176.55 | 2.3 | 2.8 | | | |
| | 250M4/2B | 25 | | 258312 | 1480 | 91.5 | 0.79 | 49.92 | 5.0 | 161.32 | 1.4 | 2.5 | 89 | 0.48742 | 442 |
| | | 75 | | | 2970 | 93 | 0.89 | 130.79 | 9.0 | 241.16 | 2.4 | 2.8 | | | |
| 750/1500 r/min=8-4ploes | | | | | | 400V 50Hz | | | Fan drive, two separate windings | | | | | | |
| M2QA | 80M8-4A | 0.075 | 3GQA | 088361 | 575 | 27 | 0.62 | 0.65 | 2.0 | 1.25 | 2.1 | 2.8 | 59 | 0.00145 | 16 |
| | | 0.48 | | | 1390 | 62 | 0.73 | 1.53 | 4.0 | 3.29 | 1.8 | 2.2 | | | |
| | 80M8-4B | 0.1 | | 088362 | 580 | 28.5 | 0.62 | 0.82 | 2.0 | 1.65 | 2.1 | 2.8 | 59 | 0.00164 | 17 |
| | | 0.63 | | | 1360 | 63.5 | 0.79 | 1.81 | 4.0 | 4.42 | 1.8 | 2.2 | | | |
| | 80M8-4C | 0.12 | | 088363 | 590 | 31 | 0.61 | 0.92 | 2.0 | 1.94 | 2.1 | 2.8 | 59 | 0.00183 | 18 |
| | | 0.73 | | | 1355 | 64 | 0.80 | 2.06 | 4.0 | 5.15 | 1.8 | 2.2 | | | |
| | 90S8-4A | 0.13 | | 098161 | 670 | 37 | 0.56 | 0.91 | 3.0 | 1.85 | 2.1 | 2.8 | 60 | 0.0028 | 22 |
| | | 1 | | | 1400 | 71 | 0.80 | 2.54 | 5.5 | 6.82 | 1.9 | 2.4 | | | |
| | 90L8-4A | 0.18 | | 098561 | 675 | 41 | 0.54 | 1.17 | 3.0 | 2.55 | 2.1 | 2.8 | 60 | 0.00356 | 26 |
| | | 1.4 | | | 1400 | 73 | 0.82 | 3.38 | 5.5 | 9.55 | 1.9 | 2.4 | | | |
| | 100L8-4A | 0.25 | | 108561 | 665 | 43 | 0.58 | 1.45 | 2.5 | 3.59 | 1.4 | 2.0 | 61 | 0.00741 | 34 |
| | | 1.85 | | | 1430 | 76.5 | 0.80 | 4.36 | 6.0 | 12.35 | 1.9 | 2.4 | | | |
| | 100L8-4B | 0.33 | | 108562 | 670 | 47.5 | 0.58 | 1.73 | 2.5 | 4.70 | 1.4 | 2.0 | 61 | 0.00862 | 36 |
| | | 2.3 | | | 1430 | 77.5 | 0.81 | 5.29 | 6.0 | 15.36 | 1.9 | 2.4 | | | |
| | 112M8-4A | 0.4 | | 118361 | 695 | 54 | 0.58 | 1.84 | 3.5 | 5.50 | 1.6 | 2.6 | 74 | 0.01306 | 45 |
| | | 3 | | | 1425 | 79.5 | 0.85 | 6.41 | 6.5 | 20.11 | 2.0 | 2.5 | | | |
| | 132S8-4A | 0.6 | | 138161 | 715 | 59 | 0.53 | 2.77 | 3.5 | 8.01 | 1.5 | 2.3 | 74 | 0.02673 | 60 |
| | | 4 | | | 1440 | 81.5 | 0.83 | 8.54 | 6.5 | 26.62 | 2.3 | 2.6 | | | |
| | 132M8-4A | 0.9 | | 138361 | 720 | 63.5 | 0.53 | 3.86 | 3.5 | 11.94 | 1.5 | 2.3 | 74 | 0.3432 | 73 |
| | | 5.5 | | | 1440 | 83 | 0.83 | 11.52 | 7.0 | 36.48 | 2.3 | 2.6 | | | |
| | 160M8-4A | 1.3 | | 168361 | 725 | 68.5 | 0.50 | 5.48 | 4.5 | 17.12 | 2.0 | 2.0 | 76 | 0.07302 | 121 |
| | | 9 | | | 1460 | 86.5 | 0.85 | 17.67 | 7.5 | 58.87 | 2.5 | 2.8 | | | |
| | 160L8-4A | 1.8 | | 168561 | 725 | 69.5 | 0.51 | 7.33 | 4.5 | 23.71 | 2.0 | 2.0 | 76 | 0.0975 | 140 |
| | | 13 | | | 1460 | 87 | 0.86 | 25.08 | 7.5 | 85.03 | 2.5 | 2.8 | | | |
| | 180M8-4A | 2.3 | | 188361 | 735 | 75.5 | 0.52 | 8.46 | 4.5 | 29.88 | 2.1 | 2.8 | 80 | 0.16049 | 170 |
| | | 16 | | | 1470 | 88.5 | 0.86 | 30.34 | 7.5 | 103.95 | 2.2 | 2.8 | | | |
| | 180L8-4A | 2.7 | | 188561 | 735 | 76 | 0.56 | 9.86 | 4.5 | 35.08 | 2.1 | 2.8 | 80 | 0.18046 | 187 |
| | | 19 | | | 1470 | 89.5 | 0.86 | 36.05 | 7.5 | 123.04 | 2.4 | 2.8 | | | |
| | 200L8-4A | 3.3 | | 208561 | 740 | 78 | 0.56 | 10.90 | 4.5 | 42.59 | 2.0 | 2.8 | 80 | 0.2819 | 255 |
| | | 26 | | | 1475 | 90.5 | 0.85 | 48.79 | 7.5 | 168.34 | 2.3 | 2.8 | | | |
| | 200L8-4B | 3.8 | | 208562 | 740 | 79 | 0.56 | 12.40 | 4.5 | 49.04 | 2.0 | 2.8 | 82 | 0.3073 | 267 |
| | | 30 | | | 1475 | 91 | 0.87 | 54.70 | 7.5 | 194.24 | 2.2 | 2.8 | | | |
| | 225M8-4B | 5.2 | | 228362 | 740 | 80.5 | 0.58 | 16.08 | 5.0 | 67.11 | 1.9 | 2.8 | 82 | 0.52731 | 334 |
| | | 38 | | | 1480 | 91 | 0.87 | 69.28 | 7.5 | 245.20 | 2.2 | 2.8 | | | |
| | 225M8-4C | 7 | | 228363 | 740 | 82 | 0.59 | 20.88 | 5.0 | 90.34 | 1.9 | 2.8 | 82 | 0.57253 | 356 |
| | | 46 | | | 1480 | 92 | 0.88 | 82.01 | 7.5 | 296.82 | 2.3 | 2.8 | | | |
| | 250M8-4B | 10 | | 258362 | 740 | 84.5 | 0.58 | 29.45 | 5.0 | 129.05 | 1.8 | 2.8 | 84 | 0.81668 | 469 |
| | | 63 | | | 1480 | 92.5 | 0.86 | 114.31 | 8.0 | 406.52 | 2.6 | 2.8 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Motor Type | | Output (kW) | | Product code | Speed r/min | Effi-ciency % | Power factor | IN A | Current Is/IN | Torque TN Nm | Torque Ts/TN | Torque TMAX/TN | Sound pressur level Lp dB(A) | Moment of inertia J=1/4GD² kgm² | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 750/1500 r/min=8/4ploes | | | | | | 400V 50Hz | | | Fan drive, Dahlandar-connection | | | | | | |
| M2QA | 80M8/4A | 0.13 | 3GQA | 088351 | 630 | 45.5 | 0.56 | 0.74 | 2.5 | 1.97 | 1.5 | 2.2 | 59 | 0.00145 | 16 |
| | | 0.55 | | | 1410 | 67 | 0.66 | 1.80 | 5.0 | 3.73 | 2.4 | 2.8 | | | |
| | 80M8/4B | 0.17 | | 088352 | 650 | 50 | 0.54 | 0.91 | 2.5 | 2.50 | 1.5 | 2.2 | 59 | 0.00164 | 17 |
| | | 0.75 | | | 1415 | 70 | 0.67 | 2.31 | 5.0 | 5.06 | 2.4 | 2.8 | | | |
| | 80M8/4C | 0.2 | | 088353 | 645 | 51 | 0.55 | 1.03 | 2.5 | 2.96 | 1.5 | 2.2 | 59 | 0.00183 | 18 |
| | | 0.9 | | | 1410 | 71 | 0.69 | 2.65 | 5.0 | 6.10 | 2.4 | 2.8 | | | |
| | 90S8/4A | 0.26 | | 098151 | 680 | 51 | 0.56 | 1.31 | 2.5 | 3.65 | 1.5 | 2.4 | 60 | 0.00254 | 22 |
| | | 1.1 | | | 1390 | 75.5 | 0.84 | 2.50 | 5.5 | 7.56 | 2.0 | 2.3 | | | |
| | 90L8/4A | 0.35 | | 098551 | 685 | 54.5 | 0.53 | 1.75 | 3.0 | 4.88 | 1.7 | 2.6 | 60 | 0.00356 | 27 |
| | | 1.7 | | | 1385 | 76.5 | 0.84 | 3.82 | 5.5 | 11.72 | 2.0 | 2.3 | | | |
| | 90L8/4B | 0.35 | | 098552 | 690 | 55 | 0.51 | 1.80 | 3.0 | 4.84 | 1.7 | 2.6 | 60 | 0.00368 | 28 |
| | | 1.8 | | | 1385 | 77 | 0.81 | 4.02 | 5.5 | 12.41 | 2.0 | 2.3 | | | |
| | 100L8/4A | 0.5 | | 108551 | 690 | 63 | 0.52 | 2.20 | 3.0 | 6.92 | 1.8 | 2.0 | 61 | 0.00832 | 36 |
| | | 2.3 | | | 1430 | 80.5 | 0.81 | 5.09 | 6.5 | 15.36 | 2.2 | 2.5 | | | |
| | 100L8/4B | 0.6 | | 108552 | 690 | 63.5 | 0.53 | 2.57 | 3.0 | 8.30 | 1.8 | 2.0 | 61 | 0.00893 | 36 |
| | | 2.8 | | | 1430 | 81 | 0.81 | 6.20 | 6.5 | 18.70 | 2.2 | 2.5 | | | |
| | 100L8/4C | 0.65 | | 108553 | 695 | 64.5 | 0.51 | 2.85 | 3.5 | 8.93 | 1.8 | 2.0 | 61 | 0.00954 | 37 |
| | | 3.0 | | | 1430 | 81.5 | 0.81 | 6.56 | 7.0 | 20.03 | 2.2 | 2.5 | | | |
| | 112M8/4A | 0.7 | | 118351 | 710 | 70 | 0.53 | 2.72 | 4.0 | 9.42 | 2.2 | 2.8 | 74 | 0.01454 | 48 |
| | | 3.5 | | | 1435 | 82.5 | 0.84 | 7.29 | 6.5 | 23.29 | 2.4 | 2.8 | | | |
| | 132S8/4A | 1.0 | | 138151 | 720 | 75.5 | 0.54 | 3.54 | 4.0 | 13.26 | 1.5 | 2.0 | 74 | 0.2673 | 61 |
| | | 5.0 | | | 1430 | 83.5 | 0.85 | 10.17 | 7.0 | 33.39 | 2.2 | 2.5 | | | |
| | 132M8/4A | 1.4 | | 138351 | 720 | 77.5 | 0.54 | 4.83 | 4.0 | 18.57 | 1.5 | 2.0 | 74 | 0.0365 | 76 |
| | | 6.8 | | | 1440 | 85.5 | 0.85 | 13.51 | 7.5 | 45.10 | 2.2 | 2.5 | | | |
| | 160M8/4A | 2.2 | | 168351 | 730 | 79.5 | 0.53 | 7.54 | 4.5 | 28.78 | 2.3 | 2.8 | 76 | 0.07302 | 121 |
| | | 10.5 | | | 1460 | 87 | 0.84 | 20.74 | 7.5 | 68.68 | 2.7 | 2.8 | | | |
| | 160L8/4A | 2.7 | | 168551 | 735 | 80.5 | 0.50 | 9.68 | 4.5 | 35.28 | 2.5 | 2.8 | 76 | 0.1055 | 145 |
| | | 15.5 | | | 1460 | 88 | 0.86 | 29.56 | 7.5 | 101.39 | 2.7 | 2.8 | | | |
| | 180M8/4A | 3.4 | | 188351 | 735 | 83 | 0.52 | 11.37 | 4.5 | 44.18 | 2.0 | 2.8 | 80 | 0.16049 | 170 |
| | | 17 | | | 1470 | 89.5 | 0.85 | 32.26 | 7.5 | 110.44 | 2.0 | 2.8 | | | |
| | 180L8/4A | 4.4 | | 188551 | 735 | 84 | 0.51 | 14.83 | 4.5 | 57.17 | 2.1 | 2.8 | 80 | 0.1929 | 192 |
| | | 22 | | | 1475 | 90 | 0.85 | 41.51 | 7.5 | 142.44 | 2.2 | 2.8 | | | |
| | 200L8/4A | 6.5 | | 208551 | 740 | 86.5 | 0.56 | 19.37 | 4.5 | 83.89 | 1.8 | 2.8 | 80 | 0.3073 | 266 |
| | | 29 | | | 1475 | 91 | 0.86 | 53.49 | 7.5 | 187.76 | 2.1 | 2.8 | | | |
| | 200L8/4B | 8.0 | | 208552 | 740 | 87 | 0.56 | 23.70 | 4.5 | 103.24 | 1.8 | 2.8 | 82 | 0.3327 | 274 |
| | | 33 | | | 1480 | 91.5 | 0.85 | 61.24 | 7.5 | 212.94 | 2.3 | 2.8 | | | |
| | 225M8/4B | 10 | | 228352 | 740 | 88.5 | 0.60 | 27.18 | 5.0 | 129.05 | 1.7 | 2.8 | 82 | 0.48252 | 346 |
| | | 42 | | | 1480 | 91.5 | 0.87 | 76.16 | 8.0 | 271.01 | 2.4 | 2.8 | | | |
| | 225M8/4C | 11 | | 228353 | 740 | 89 | 0.59 | 30.24 | 5.0 | 141.96 | 1.8 | 2.8 | 82 | 0.66901 | 373 |
| | | 50 | | | 1480 | 92 | 0.87 | 90.17 | 8.0 | 322.64 | 2.4 | 2.8 | | | |
| | 250M8/4B | 15 | | 258352 | 740 | 89 | 0.59 | 41.23 | 4.5 | 193.58 | 1.7 | 2.8 | 84 | 0.78 | 455 |
| | | 60 | | | 1480 | 92.5 | 0.85 | 110.15 | 8.5 | 387.16 | 2.6 | 2.8 | | | |
| 1000/1500 r/min=6-4ploes | | | | | | 400V 50Hz | | | Fan drive, two separate windings | | | | | | |
| M2QA | 80M6-4A | 0.19 | 3GQA | 088341 | 900 | 48 | 0.68 | 0.84 | 3.0 | 2.02 | 1.2 | 2.0 | 59 | 0.00145 | 16 |
| | | 0.5 | | | 1385 | 62 | 0.76 | 1.53 | 4.0 | 3.45 | 1.4 | 2.0 | | | |
| | 80M6-4B | 0.25 | | 088342 | 900 | 49 | 0.69 | 1.07 | 3.0 | 2.65 | 1.2 | 2.0 | 59 | 0.00174 | 17 |
| | | 0.66 | | | 1390 | 65.5 | 0.78 | 1.86 | 4.0 | 4.53 | 1.4 | 2.0 | | | |
| | 80M6-4C | 0.3 | | 088343 | 900 | 52 | 0.70 | 1.19 | 3.0 | 3.18 | 1.2 | 2.0 | 59 | 0.00193 | 18 |
| | | 0.78 | | | 1390 | 67.5 | 0.79 | 2.11 | 4.0 | 5.36 | 1.4 | 2.0 | | | |
| | 90S6-4A | 0.3 | | 097141 | 920 | 58.5 | 0.72 | 1.03 | 3.5 | 3.11 | 1.4 | 2.2 | 60 | 0.0028 | 22 |
| | | 1.0 | | | 1400 | 71 | 0.80 | 2.54 | 5.5 | 6.82 | 1.9 | 2.4 | | | |
| | 90L6-4A | 0.45 | | 098541 | 920 | 59 | 0.73 | 1.51 | 3.5 | 4.67 | 1.4 | 2.2 | 60 | 0.22356 | 26 |
| | | 4.5 | | | 1395 | 73.5 | 0.82 | 3.59 | 5.5 | 10.27 | 1.9 | 2.4 | | | |
| | 100L6-4A | 0.6 | | 108541 | 930 | 61 | 0.71 | 2.00 | 3.5 | 6.16 | 1.3 | 1.8 | 61 | 0.007401 | 34 |
| | | 2.0 | | | 1420 | 76.5 | 0.82 | 4.60 | 5.5 | 13.45 | 1.9 | 2.2 | | | |
| | 100L6-4B | 0.8 | | 108542 | 930 | 63.5 | 0.71 | 5.56 | 4.0 | 8.22 | 1.3 | 1.8 | 61 | 0.00862 | 36 |
| | | 2.5 | | | 1425 | 78 | 0.82 | 5.64 | 6.0 | 16.75 | 1.8 | 2.2 | | | |
| | 112M6-4A | 1.0 | | 118341 | 950 | 69 | 0.68 | 3.08 | 4.5 | 10.05 | 1.7 | 2.6 | 66 | 0.01306 | 45 |
| | | 3.0 | | | 1425 | 79.5 | 0.85 | 6.41 | 6.5 | 20.11 | 2.0 | 2.5 | | | |
| | 132S6-4A | 1.5 | | 138141 | 965 | 74.5 | 0.65 | 4.47 | 5.0 | 14.84 | 2.0 | 2.6 | 74 | 0.02673 | 60 |
| | | 4.5 | | | 1435 | 82.5 | 0.84 | 9.37 | 6.5 | 29.95 | 2.4 | 2.6 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Motor Type | Output (kW) | Product code | Speed r/min | Effi-ciency % | Power factor | IN A | Current Is/IN | Torque TN Nm | Torque Ts/TN | Torque TMAX/TN | Sound pressur level Lp dB(A) | Moment of inertia J=1/4GD² kgm² | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000/1500 r/min=6-4ploes | | | | 400V 50Hz | | | | Fan drive, separate windings | | | | | |
| M2QA 132M6-4A | 2.0 | 3GQA 138341 | 965 | 75.5 | 0.65 | 5.88 | 5.0 | 19.79 | 2.0 | 2.6 | 74 | 0.03432 | 72 |
| | 6.0 | | 1435 | 83.5 | 0.85 | 12.20 | 6.5 | 39.93 | 2.4 | 2.6 | | | |
| 160M6-4A | 3.5 | 168341 | 980 | 79.5 | 0.71 | 8.95 | 6.0 | 34.11 | 1.6 | 2.4 | 76 | 0.07681 | 124 |
| | 10.5 | | 1465 | 86.5 | 0.85 | 20.61 | 8.0 | 68.45 | 2.2 | 2.6 | | | |
| 160L6-4A | 4.5 | 168541 | 980 | 81 | 0.72 | 11.14 | 6.0 | 43.85 | 1.6 | 2.4 | 76 | 0.1055 | 138 |
| | 14.5 | | 1465 | 87.5 | 0.87 | 27.49 | 8.0 | 94.52 | 2.3 | 2.5 | | | |
| 180M6-4A | 5.0 | 188341 | 985 | 83.5 | 0.75 | 11.52 | 7.0 | 48.48 | 1.8 | 2.8 | 80 | 0.16049 | 172 |
| | 16 | | 1470 | 88.5 | 0.89 | 29.32 | 8.0 | 103.59 | 1.9 | 2.3 | | | |
| 180L6-4A | 6.5 | 188541 | 985 | 84.5 | 0.77 | 14.42 | 7.0 | 63.02 | 1.8 | 2.8 | 80 | 0.1929 | 187 |
| | 20 | | 1470 | 89.5 | 0.89 | 36.24 | 8.0 | 129.49 | 2.0 | 2.3 | | | |
| 200L6-4A | 7.2 | 208541 | 985 | 84 | 0.72 | 17.18 | 6.0 | 70.16 | 1.8 | 2.8 | 80 | 0.26921 | 250 |
| | 23 | | 1475 | 89.5 | 0.87 | 42.64 | 7.5 | 149.93 | 2.4 | 2.8 | | | |
| 200L6-4B | 9.0 | 208542 | 985 | 85 | 0.73 | 20.94 | 6.5 | 87.70 | 1.8 | 2.8 | 82 | 0.3073 | 268 |
| | 30 | | 1470 | 90.5 | 0.87 | 55.00 | 7.5 | 195.56 | 2.4 | 2.8 | | | |
| 225M6-4B | 11 | 228342 | 985 | 85 | 0.86 | 21.72 | 6.5 | 106.65 | 1.6 | 2.7 | 82 | 0.47605 | 322 |
| | 34 | | 1475 | 90.5 | 0.88 | 61.62 | 7.5 | 220.14 | 2.2 | 2.8 | | | |
| 225M6-4C | 14 | 228343 | 985 | 86 | 0.86 | 27.32 | 7.0 | 135.74 | 1.8 | 2.8 | 82 | 0.57253 | 351 |
| | 42 | | 1475 | 91 | 0.88 | 75.70 | 7.5 | 271.93 | 2.2 | 2.8 | | | |
| 250M6-4B | 18.5 | 258342 | 990 | 87.5 | 0.82 | 37.22 | 8.0 | 178.46 | 2.1 | 2.8 | 88 | 0.81668 | 470 |
| | 63 | | 1480 | 92.5 | 0.89 | 110.46 | 8.0 | 406.52 | 2.4 | 2.8 | | | |
| 750/1000 r/min=8-6ploes | | | | 400V 50Hz | | | | Fan drive, two separate windings | | | | | |
| M2QA 80M8-6A | 0.1 | 3GQA 088381 | 640 | 32 | 0.55 | 0.82 | 2.5 | 1.49 | 1.5 | 2.5 | 59 | 0.00168 | 18 |
| | 0.25 | | 910 | 52 | 0.66 | 1.05 | 3.0 | 2.62 | 1.4 | 2.2 | | | |
| 80M8-6B | 0.14 | 088382 | 635 | 35 | 0.59 | 0.98 | 2.5 | 2.11 | 1.5 | 2.5 | 59 | 0.00206 | 19 |
| | 0.33 | | 925 | 53 | 0.66 | 1.36 | 3.0 | 3.46 | 1.4 | 2.2 | | | |
| 90S8-6A | 0.2 | 098181 | 650 | 44.5 | 0.67 | 0.97 | 2.5 | 2.94 | 1.4 | 2.1 | 60 | 0.00277 | 21 |
| | 0.45 | | 925 | 62 | 0.71 | 1.48 | 4.0 | 4.65 | 1.7 | 2.4 | | | |
| 90L8-6A | 0.3 | 098581 | 660 | 50.5 | 0.65 | 1.32 | 2.5 | 4.34 | 1.4 | 2.1 | 60 | 0.00356 | 25 |
| | 0.7 | | 925 | 65 | 0.72 | 2.16 | 4.0 | 7.23 | 1.7 | 2.4 | | | |
| 100L8-6A | 0.4 | 108581 | 695 | 54.5 | 0.60 | 1.77 | 3.0 | 5.50 | 1.3 | 2.0 | 61 | 0.00948 | 32 |
| | 0.9 | | 940 | 68 | 0.74 | 2.58 | 4.5 | 9.14 | 1.4 | 2.0 | | | |
| 100L8-6B | 0.5 | 108582 | 695 | 55 | 0.61 | 2.15 | 3.0 | 6.87 | 1.3 | 2.0 | 61 | 0.01103 | 34 |
| | 1.2 | | 940 | 70.5 | 0.75 | 3.28 | 4.5 | 12.19 | 1.4 | 2.0 | | | |
| 200L8-6B | 7.5 | 208582 | 735 | 82.5 | 0.70 | 18.75 | 6.5 | 97.45 | 2.0 | 2.8 | 78 | 0.41127 | 265 |
| | 17 | | 980 | 87.5 | 0.86 | 32.61 | 7.5 | 165.66 | 2.0 | 2.8 | | | |
| 200L8-6C | 9.0 | 208583 | 735 | 83.5 | 0.70 | 22.23 | 7.0 | 116.94 | 2.1 | 2.8 | 78 | 0.47084 | 282 |
| | 20 | | 980 | 88.5 | 0.85 | 38.38 | 8.5 | 194.90 | 2.4 | 2.8 | | | |
| 225M8-6B | 12 | 228382 | 740 | 87 | 0.72 | 27.65 | 7.0 | 154.86 | 2.4 | 2.8 | 76 | 0.65907 | 320 |
| | 26 | | 985 | 90.5 | 0.84 | 49.37 | 8.0 | 252.08 | 2.6 | 2.8 | | | |
| 225M8-6C | 14 | 228383 | 740 | 87.5 | 0.75 | 30.79 | 7.0 | 180.68 | 2.2 | 2.8 | 76 | 0.7506 | 340 |
| | 32 | | 985 | 91 | 0.85 | 59.71 | 8.0 | 310.25 | 2.6 | 2.8 | | | |
| 250M8-6B | 15 | 258382 | 740 | 87.5 | 0.69 | 35.86 | 7.5 | 193.58 | 2.8 | 2.8 | 79 | 1.43963 | 466 |
| | 43 | | 920 | 91.5 | 0.87 | 77.97 | 7.5 | 419.03 | 2.5 | 2.8 | | | |
| 500/1000 r/min=12/6ploes | | | | 400V 50Hz | | | | Fan drive, Dahlandar-connection | | | | | |
| M2QA 90S12/6A | 0.08 | 3GQA 098191 | 380 | 32.5 | 0.54 | 0.66 | 2.0 | 2.01 | 1.8 | 2.4 | 60 | 0.00324 | 22 |
| | 0.5 | | 920 | 66 | 0.71 | 1.54 | 4.0 | 5.19 | 1.6 | 2.2 | | | |
| 90L12/6A | 0.12 | 098591 | 400 | 37.5 | 0.51 | 0.91 | 2.0 | 2.87 | 1.8 | 2.4 | 60 | 0.00434 | 26 |
| | 0.75 | | 925 | 68.5 | 0.72 | 2.19 | 4.0 | 7.74 | 1.6 | 2.2 | | | |
| 100L12/6A | 0.16 | 108591 | 430 | 45 | 0.49 | 1.05 | 2.5 | 3.55 | 1.2 | 1.8 | 61 | 0.01103 | 34 |
| | 0.9 | | 950 | 71.5 | 0.72 | 2.52 | 4.5 | 9.05 | 1.3 | 1.7 | | | |
| 100L12/6B | 0.2 | 108592 | 445 | 50 | 0.47 | 1.23 | 2.5 | 4.29 | 1.2 | 1.8 | 61 | 0.0131 | 37 |
| | 1.3 | | 945 | 72.5 | 0.73 | 3.55 | 4.5 | 13.14 | 1.3 | 1.7 | | | |

## 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Type designation | | Output (kW) | | Product code | Speed r/min | Efficiency Full load 100%η | Power factor cosφ | 380V50Hz IN A | Current IS/IN | Torque TN Nm | Torque TS/TN | Torque TMAX/TN | Moment of inertia J=1/4GD² kgm² | Weight kg | Sound pressur level Lp dB(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QAD | 80M4/2A | 0.45 | QAD | 088311- | 1430 | 66 | 0.74 | 1.40 | 6.5 | 3.01 | 1.5 | 1.8 | 0.00153 | 17 | 71 |
| | | 0.55 | | | 2810 | 65 | 0.87 | 1.48 | 7.0 | 1.87 | 1.7 | 1.8 | | | |
| | 80M4/2B | 0.55 | | 088312- | 1430 | 67 | 0.73 | 1.71 | 6.5 | 3.67 | 1.6 | 1.8 | 0.00183 | 18 | 71 |
| | | 0.75 | | | 2800 | 66 | 0.90 | 1.92 | 7.0 | 2.56 | 1.8 | 1.8 | | | |
| | 90S4/2A | 0.85 | | 098111- | 1420 | 74 | 0.76 | 2.30 | 6.5 | 5.72 | 1.8 | 1.8 | 0.00268 | 22 | 71 |
| | | 1.1 | | | 2860 | 71 | 0.85 | 2.77 | 7.0 | 3.67 | 1.9 | 1.8 | | | |
| | 90L4/2A | 1.3 | | 098511- | 1410 | 75 | 0.80 | 3.29 | 6.5 | 8.80 | 1.8 | 1.8 | 0.00348 | 25 | 75 |
| | | 1.8 | | | 2830 | 73 | 0.89 | 4.21 | 7.0 | 6.07 | 2.0 | 1.8 | | | |
| | 100L4/2A | 2 | | 108511- | 1430 | 79 | 0.81 | 4.75 | 6.5 | 13.36 | 1.7 | 1.8 | 0.00683 | 34 | 79 |
| | | 2.4 | | | 2860 | 77 | 0.89 | 5.32 | 7.0 | 8.01 | 1.9 | 1.8 | | | |
| | 100L4/2B | 2.4 | | 108512- | 1420 | 79 | 0.83 | 5.56 | 6.5 | 16.14 | 1.6 | 1.8 | 0.00891 | 36 | 79 |
| | | 3 | | | 2880 | 77 | 0.90 | 6.58 | 7.0 | 9.95 | 1.7 | 1.8 | | | |
| | 112M4/2A | 3.3 | | 118211- | 1440 | 82 | 0.83 | 7.37 | 6.5 | 21.89 | 1.9 | 1.8 | 0.01289 | 45 | 79 |
| | | 4 | | | 2890 | 79 | 0.90 | 8.55 | 7.0 | 13.22 | 2.0 | 1.8 | | | |
| | 132S4/2A | 4.5 | | 138111- | 1440 | 83 | 0.84 | 9.81 | 6.5 | 29.84 | 1.7 | 1.8 | 0.02728 | 65 | 83 |
| | | 5.5 | | | 2830 | 79 | 0.90 | 11.75 | 7.0 | 18.56 | 1.8 | 1.8 | | | |
| | 132M4/2A | 6.5 | | 138311- | 1450 | 84 | 0.85 | 13.83 | 6.5 | 42.81 | 1.7 | 1.8 | 0.03470 | 71 | 83 |
| | | 8 | | | 2830 | 80 | 0.90 | 16.88 | 7.0 | 27.00 | 1.8 | 1.8 | | | |
| | 160M4/2A | 9 | | 168311- | 1460 | 87 | 0.85 | 18.49 | 6.5 | 58.87 | 1.6 | 1.8 | 0.07961 | 125 | 87 |
| | | 11 | | | 2930 | 82 | 0.89 | 22.90 | 7.0 | 35.85 | 1.8 | 1.8 | | | |
| | 160L4/2A | 11 | | 168511- | 1470 | 87 | 0.86 | 22.34 | 6.5 | 71.46 | 1.7 | 1.8 | 0.09555 | 137 | 87 |
| | | 14 | | | 2940 | 82 | 0.90 | 28.82 | 7.0 | 45.48 | 1.9 | 1.8 | | | |
| | 180M4/2A | 15 | | 188311- | 1470 | 89 | 0.87 | 29.43 | 6.5 | 97.45 | 1.8 | 1.8 | 0.16096 | 179 | 87 |
| | | 18.5 | | | 2950 | 85 | 0.90 | 36.74 | 7.0 | 59.89 | 1.9 | 1.8 | | | |
| | 180L4/2A | 18.5 | | 188511- | 1470 | 89 | 0.88 | 35.89 | 6.5 | 120.19 | 1.6 | 1.8 | 0.18427 | 191 | 87 |
| | | 22 | | | 2910 | 86 | 0.91 | 42.71 | 7.0 | 72.20 | 1.8 | 1.8 | | | |
| | 200L4/2A | 26 | | 208511- | 1470 | 89 | 0.89 | 49.87 | 6.5 | 168.91 | 1.4 | 1.8 | 0.30574 | 300 | 90 |
| | | 30 | | | 2970 | 85 | 0.92 | 58.29 | 7.0 | 96.46 | 1.6 | 1.8 | | | |
| | 225S4/2A | 32 | | 228111- | 1470 | 90 | 0.89 | 60.70 | 6.5 | 207.89 | 1.4 | 1.8 | 0.59189 | 314 | 90 |
| | | 37 | | | 2970 | 86 | 0.92 | 71.05 | 7.0 | 118.97 | 1.6 | 1.8 | | | |
| | 225M4/2A | 37 | | 228311- | 1470 | 91 | 0.89 | 69.41 | 6.5 | 240.37 | 1.6 | 1.8 | 0.67029 | 341 | 90 |
| | | 45 | | | 2970 | 86 | 0.92 | 86.42 | 7.0 | 144.70 | 1.6 | 1.8 | | | |
| | 250M4/2A | 45 | | 258311- | 1470 | 91 | 0.89 | 84.42 | 6.5 | 292.35 | 1.6 | 1.8 | 0.80420 | 456 | 92 |
| | | 52 | | | 2970 | 87 | 0.92 | 98.71 | 7.0 | 167.21 | 1.6 | 1.8 | | | |
| | 280S4/2A | 60 | | 288111- | 1470 | 91 | 0.90 | 111.31 | 6.5 | 389.80 | 1.4 | 1.8 | 1.40352 | 540 | 92 |
| | | 72 | | | 2970 | 88 | 0.92 | 135.12 | 7.0 | 231.52 | 1.5 | 1.8 | | | |
| | 280M4/2A | 72 | | 288311- | 1470 | 91 | 0.90 | 133.57 | 6.5 | 467.76 | 1.4 | 1.8 | 1.69752 | 598 | 94 |
| | | 82 | | | 2970 | 88 | 0.93 | 152.24 | 7.0 | 263.67 | 1.5 | 1.8 | | | |
| | 80M6-4A | 0.15 | | 088341- | 910 | 49 | 0.65 | 0.72 | 4.0 | 1.57 | 1.5 | 1.8 | 0.00157 | 17 | 62 |
| | | 0.22 | | | 1420 | 57 | 0.77 | 0.76 | 5.0 | 1.48 | 1.5 | 1.8 | | | |
| | 80M6-4B | 0.22 | | 088342- | 910 | 54 | 0.65 | 0.95 | 4.0 | 2.31 | 1.5 | 1.8 | 0.00194 | 18 | 62 |
| | | 0.35 | | | 1420 | 64 | 0.77 | 1.08 | 5.0 | 2.35 | 1.5 | 1.8 | | | |
| | 90S6/4A | 0.65 | | 098131- | 920 | 67 | 0.72 | 2.05 | 6.0 | 6.75 | 1.6 | 1.8 | 0.00332 | 25 | 63 |
| | | 0.85 | | | 1400 | 70 | 0.79 | 2.34 | 6.5 | 5.80 | 1.5 | 1.8 | | | |
| | 90L6/4A | 0.85 | | 098531- | 910 | 68 | 0.73 | 2.60 | 6.0 | 8.92 | 1.6 | 1.8 | 0.00416 | 26 | 63 |
| | | 1.1 | | | 1400 | 73 | 0.79 | 2.90 | 6.5 | 7.50 | 1.5 | 1.8 | | | |
| | 100L6/4A | 1.3 | | 108531- | 940 | 73 | 0.71 | 3.81 | 6.0 | 13.21 | 1.7 | 1.8 | 0.00795 | 35 | 64 |
| | | 1.8 | | | 1430 | 77 | 0.82 | 4.33 | 6.5 | 12.02 | 1.5 | 1.8 | | | |
| | 100L6/4B | 1.5 | | 108532- | 940 | 75 | 0.70 | 4.34 | 6.0 | 15.24 | 1.6 | 1.8 | 0.00909 | 36 | 64 |
| | | 2.2 | | | 1420 | 77 | 0.80 | 5.43 | 6.5 | 14.80 | 1.5 | 1.8 | | | |
| | 100L6-4C | 0.9 | | 108543- | 960 | 68 | 0.64 | 3.14 | 5.0 | 8.95 | 1.6 | 1.8 | 0.00695 | 34 | 67 |
| | | 1.3 | | | 1450 | 74 | 0.77 | 3.47 | 6.0 | 8.56 | 1.6 | 1.8 | | | |
| | 112M6/4A | 2.2 | | 118331- | 940 | 77 | 0.75 | 5.79 | 6.0 | 22.35 | 1.7 | 1.8 | 0.01309 | 44 | 66 |
| | | 2.8 | | | 1430 | 81 | 0.82 | 6.41 | 6.5 | 18.70 | 1.6 | 1.8 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Type designation | | Output (kW) | | Product code | Speed r/min | Efficiency Full load 100%η | Power factor cosφ | Current IN A | Current IS/IN | Torque TN Nm | Torque TS/TN | Torque TMAX/TN | Moment of inertia J=1/4GD² kgm² | Weight kg | Sound pressur level Lp dB(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 380V50Hz | | | | | | | | | | | | | | | |
| QAD | 132S6/4A | 3 | QAD | 138131- | 940 | 79 | 0.75 | 7.69 | 6.0 | 30.48 | 1.5 | 1.8 | 0.02829 | 60 | 74 |
| | | 4 | | | 1440 | 80 | 0.82 | 9.26 | 6.5 | 26.53 | 1.7 | 1.8 | | | |
| | 132M6/4A | 4 | | 138331- | 960 | 82 | 0.75 | 9.88 | 6.0 | 39.79 | 1.6 | 1.8 | 0.03597 | 80 | 74 |
| | | 5.5 | | | 1450 | 82 | 0.86 | 11.85 | 6.5 | 36.22 | 1.6 | 1.8 | | | |
| | 160M6/4A | 6.5 | | 168331- | 910 | 84 | 0.78 | 15.07 | 6.0 | 68.21 | 1.5 | 1.8 | 0.07495 | 124 | 78 |
| | | 8 | | | 1470 | 82 | 0.84 | 17.65 | 6.5 | 51.97 | 1.5 | 1.8 | | | |
| | 160L6/4A | 9 | | 168531- | 910 | 85 | 0.78 | 20.63 | 6.0 | 94.45 | 1.6 | 1.8 | 0.09508 | 145 | 78 |
| | | 11 | | | 1470 | 83 | 0.85 | 23.69 | 6.5 | 71.46 | 1.7 | 1.8 | | | |
| | 180M6/4A | 11 | | 188331- | 970 | 85 | 0.76 | 25.87 | 6.0 | 108.30 | 1.6 | 1.8 | 0.26150 | 170 | 82 |
| | | 14 | | | 1460 | 84 | 0.85 | 29.79 | 6.5 | 91.58 | 1.7 | 1.8 | | | |
| | 180L6/4A | 13 | | 188531- | 970 | 86 | 0.78 | 29.45 | 6.0 | 127.99 | 1.7 | 1.8 | 0.30029 | 185 | 82 |
| | | 16 | | | 1460 | 85 | 0.85 | 33.65 | 6.5 | 104.66 | 1.7 | 1.8 | | | |
| | 200L6/4A | 18.5 | | 208531- | 980 | 87 | 0.78 | 41.42 | 6.5 | 180.28 | 1.6 | 1.8 | 0.50320 | 260 | 82 |
| | | 22 | | | 1430 | 86.5 | 0.86 | 44.93 | 7.0 | 146.92 | 1.5 | 1.8 | | | |
| | 225S6/4A | 22 | | 228131- | 930 | 88 | 0.86 | 44.17 | 6.5 | 225.91 | 1.8 | 1.8 | 0.78781 | 295 | 84 |
| | | 28 | | | 1390 | 86.5 | 0.87 | 56.53 | 7.0 | 192.37 | 1.8 | 1.8 | | | |
| | 225M6/4A | 26 | | 228331- | 920 | 88 | 0.86 | 52.20 | 6.5 | 269.89 | 1.8 | 1.8 | 0.88477 | 315 | 84 |
| | | 32 | | | 1390 | 85.5 | 0.90 | 63.18 | 7.0 | 219.86 | 1.8 | 1.8 | | | |
| | 250M6/4A | 32 | | 258331- | 960 | 90 | 0.87 | 62.10 | 6.5 | 318.33 | 1.4 | 1.8 | 1.33041 | 389 | 90 |
| | | 42 | | | 1460 | 88 | 0.91 | 79.69 | 7.0 | 274.73 | 1.3 | 1.8 | | | |
| | 280S6/4A | 42 | | 288131- | 960 | 90 | 0.87 | 81.50 | 6.5 | 417.81 | 1.5 | 1.8 | 2.26181 | 490 | 90 |
| | | 55 | | | 1470 | 87 | 0.9 | 106.73 | 7.0 | 357.31 | 1.3 | 1.8 | | | |
| | 280M6/4A | 55 | | 288331- | 960 | 90 | 0.87 | 106.73 | 6.5 | 547.14 | 1.6 | 1.8 | 2.84819 | 540 | 90 |
| | | 67 | | | 1470 | 87 | 0.89 | 131.47 | 7.0 | 435.27 | 1.3 | 1.8 | | | |
| | 80M8/4B | 0.27 | | 088352- | 710 | 47 | 0.55 | 1.59 | 4.5 | 3.63 | 1.4 | 1.8 | 0.00183 | 18 | 62 |
| | | 0.4 | | | 1420 | 65 | 0.73 | 1.28 | 5.5 | 2.69 | 1.4 | 1.8 | | | |
| | 90S8/4A | 0.37 | | 098151- | 710 | 54 | 0.57 | 1.83 | 5.0 | 4.98 | 1.5 | 1.8 | 0.00325 | 22 | 70 |
| | | 0.65 | | | 1400 | 70 | 0.87 | 1.62 | 6.0 | 4.43 | 1.5 | 1.8 | | | |
| | 90L8/4A | 0.45 | | 098551- | 690 | 58 | 0.63 | 1.87 | 5.5 | 6.23 | 1.6 | 1.8 | 0.00402 | 24 | 67 |
| | | 0.75 | | | 1390 | 72 | 0.87 | 1.82 | 6.5 | 4.95 | 1.5 | 1.8 | | | |
| | 100L8/4A | 0.85 | | 108551- | 710 | 67 | 0.63 | 3.06 | 5.5 | 11.43 | 1.6 | 1.8 | 0.01362 | 35 | 70 |
| | | 1.5 | | | 1420 | 74 | 0.88 | 3.50 | 6.5 | 10.09 | 1.4 | 1.8 | | | |
| | 112M8/4A | 1.5 | | 118351- | 720 | 72 | 0.60 | 5.28 | 5.5 | 19.90 | 1.7 | 1.8 | 0.17297 | 43 | 74 |
| | | 2.4 | | | 1440 | 78 | 0.88 | 5.31 | 6.5 | 15.92 | 1.7 | 1.8 | | | |
| | 132S8/4A | 2.2 | | 138151- | 720 | 75 | 0.64 | 6.96 | 5.5 | 29.18 | 1.5 | 1.8 | 0.04331 | 59 | 74 |
| | | 3.3 | | | 1440 | 80 | 0.88 | 7.12 | 6.5 | 21.89 | 1.7 | 1.8 | | | |
| | 132M8/4A | 3 | | 138351- | 720 | 78 | 0.65 | 8.99 | 5.5 | 39.79 | 1.5 | 1.8 | 0.06376 | 65 | 74 |
| | | 4.5 | | | 1440 | 82 | 0.89 | 9.37 | 6.5 | 29.84 | 1.6 | 1.8 | | | |
| | 160M8/4A | 5 | | 168351- | 730 | 82 | 0.65 | 14.25 | 5.5 | 65.41 | 1.5 | 1.8 | 0.10867 | 123 | 78 |
| | | 7.5 | | | 1450 | 87 | 0.90 | 14.55 | 6.5 | 49.40 | 1.6 | 1.8 | | | |
| | 160L8/4A | 7 | | 168551- | 730 | 84 | 0.66 | 19.18 | 5.5 | 91.58 | 1.5 | 1.8 | 0.13323 | 144 | 78 |
| | | 11 | | | 1450 | 87 | 0.89 | 21.58 | 6.5 | 72.45 | 1.6 | 1.8 | | | |
| | 180L8/4A | 11 | | 188551- | 730 | 87 | 0.72 | 26.68 | 6.0 | 143.90 | 1.5 | 1.8 | 0.30462 | 216 | 82 |
| | | 17 | | | 1460 | 88 | 0.91 | 32.25 | 7.0 | 111.20 | 1.5 | 1.8 | | | |
| | 200L8/4A | 14 | | 208551- | 730 | 87 | 0.74 | 33.04 | 6.0 | 183.15 | 1.8 | 1.8 | 0.47842 | 240 | 82 |
| | | 22 | | | 1470 | 88 | 0.92 | 41.29 | 7.0 | 142.93 | 1.7 | 1.8 | | | |
| | 200L8/4B | 17 | | 208552- | 730 | 87 | 0.74 | 40.12 | 6.0 | 222.40 | 1.5 | 1.8 | 0.58451 | 260 | 84 |
| | | 26 | | | 1470 | 88 | 0.92 | 48.79 | 7.0 | 142.70 | 1.7 | 1.8 | | | |
| | 225M8/4A | 24 | | 228351- | 730 | 89 | 0.77 | 53.21 | 6.0 | 313.97 | 1.5 | 1.8 | 0.82047 | 340 | 84 |
| | | 34 | | | 1470 | 88 | 0.88 | 66.71 | 7.0 | 280.88 | 1.5 | 1.8 | | | |
| | 250M8/4A | 30 | | 258551- | 740 | 90 | 0.78 | 64.93 | 6.0 | 387.16 | 1.6 | 1.8 | 1.33041 | 455 | 86 |
| | | 42 | | | 1480 | 89 | 0.91 | 78.79 | 7.0 | 271.01 | 1.7 | 1.8 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Type designation | | Output (kW) | | Product code | Speed r/min | Efficiency Full load 100%η | Power factor cosΦ | Current IN A | Current IS/IN | Torque TN Nm | Torque TS/TN | Torque TMAX/TN | Moment of inertia J=1/4GD² kgm² | Weight kg | Sound pressur level Lp dB(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 380V50Hz | | | | | | | | | | | | | | | |
| QAD | 280S8/4A | 40 | QAD | 288151- | 730 | 91 | 0.80 | 83.48 | 6.0 | 523.29 | 1.6 | 1.8 | 1.97690 | 540 | 90 |
| | | 55 | | | 1470 | 90 | 0.91 | 102.03 | 7.0 | 357.31 | 1.7 | 1.8 | | | |
| | 280M8/4A | 47 | | 288351- | 730 | 91 | 0.81 | 96.8 | 6.0 | 614.86 | 1.6 | 1.8 | 2.66176 | 598 | 90 |
| | | 67 | | | 1470 | 90 | 0.92 | 122.95 | 7.0 | 435.27 | 1.7 | 1.8 | | | |
| | 90S8/6A | 0.35 | | 098171- | 700 | 56 | 0.60 | 1.58 | 5.0 | 4.78 | 1.8 | 1.8 | 0.00325 | 21 | 65 |
| | | 0.45 | | | 940 | 70 | 0.72 | 1.36 | 6.0 | 4.57 | 2 | 1.8 | | | |
| | 90L8/6A | 0.45 | | 098571- | 700 | 59 | 0.60 | 1.93 | 5.0 | 6.14 | 1.7 | 1.8 | 0.00402 | 24 | 65 |
| | | 0.65 | | | 930 | 71 | 0.73 | 1.91 | 6.0 | 6.67 | 1.8 | 1.8 | | | |
| | 100L8/6A | 0.75 | | 108571- | 720 | 65 | 0.60 | 2.92 | 5.0 | 9.95 | 1.8 | 1.8 | 0.01208 | 35 | 65 |
| | | 1.1 | | | 950 | 75 | 0.73 | 3.05 | 6.0 | 11.06 | 1.9 | 1.8 | | | |
| | 112M8/6A | 1.3 | | 118371- | 720 | 72 | 0.61 | 4.50 | 5.0 | 17.24 | 1.7 | 1.8 | 0.01730 | 43 | 67 |
| | | 1.8 | | | 950 | 78 | 0.73 | 4.80 | 6.0 | 18.09 | 1.9 | 1.8 | | | |
| | 132S8/6A | 1.8 | | 138171- | 720 | 76 | 0.62 | 5.80 | 5.0 | 23.88 | 1.6 | 1.8 | 0.04051 | 59 | 71 |
| | | 2.4 | | | 960 | 80 | 0.73 | 6.24 | 6.0 | 23.88 | 1.9 | 1.8 | | | |
| | 132M8/6A | 2.6 | | 138371- | 720 | 78 | 0.62 | 8.17 | 5.0 | 34.49 | 1.9 | 1.8 | 0.51474 | 65 | 71 |
| | | 3.7 | | | 960 | 82 | 0.73 | 9.39 | 6.0 | 36.81 | 1.9 | 1.8 | | | |
| | 160M8/6A | 4.5 | | 168371- | 730 | 83 | 0.62 | 13.29 | 5.0 | 58.87 | 1.6 | 1.8 | 0.09630 | 122 | 75 |
| | | 6 | | | 980 | 85 | 0.73 | 14.69 | 6.0 | 58.47 | 1.9 | 1.8 | | | |
| | 160L8/6A | 6 | | 168571- | 730 | 84 | 0.62 | 17.50 | 5.0 | 78.49 | 1.6 | 1.8 | 0.13030 | 143 | 75 |
| | | 8 | | | 980 | 86 | 0.73 | 19.36 | 6.0 | 77.96 | 1.9 | 1.8 | | | |
| | 180M8/6A | 7.5 | | 188371- | 730 | 84 | 0.62 | 21.88 | 5.0 | 98.12 | 1.9 | 1.8 | 0.26150 | 182 | 75 |
| | | 10 | | | 970 | 86 | 0.73 | 24.20 | 6.0 | 98.45 | 1.9 | 1.8 | | | |
| | 180L8/6A | 9 | | 188571- | 730 | 85 | 0.65 | 24.75 | 5.0 | 117.74 | 1.8 | 1.8 | 0.30029 | 201 | 75 |
| | | 12 | | | 970 | 86 | 0.75 | 28.27 | 6.0 | 118.14 | 1.8 | 1.8 | | | |
| | 200L8/6A | 12 | | 208571- | 730 | 86 | 0.65 | 32.62 | 5.0 | 156.99 | 1.8 | 1.8 | 0.50319 | 238 | 80 |
| | | 17 | | | 980 | 87 | 0.76 | 39.06 | 6.0 | 165.66 | 2 | 1.8 | | | |
| | 200L8/6B | 15 | | 208572- | 730 | 87 | 0.65 | 40.30 | 5.0 | 196.23 | 1.8 | 1.8 | 0.58868 | 260 | 80 |
| | | 20 | | | 980 | 88 | 0.76 | 45.44 | 6.0 | 194.90 | 2 | 1.8 | | | |
| | 225M8/6A | 24 | | 228371- | 730 | 89 | 0.81 | 50.58 | 5.0 | 313.97 | 1.5 | 1.8 | 0.82047 | 315 | 82 |
| | | 30 | | | 975 | 89 | 0.87 | 58.87 | 6.0 | 293.85 | 1.5 | 1.8 | | | |
| | 160M12/6A | 2.6 | | 168391- | 480 | 74 | 0.46 | 11.61 | 4.0 | 51.73 | 1.2 | 1.8 | 0.09629 | 122 | 71 |
| | | 5 | | | 970 | 84 | 0.76 | 11.90 | 6.0 | 49.23 | 1.4 | 1.8 | | | |
| | 160L12/6A | 3.7 | | 168591- | 480 | 76 | 0.46 | 16.08 | 4.0 | 73.61 | 1.2 | 1.8 | 0.13030 | 145 | 75 |
| | | 7 | | | 970 | 85 | 0.79 | 15.84 | 6.0 | 68.92 | 1.4 | 1.8 | | | |
| | 180L12/6A | 5.5 | | 188591- | 490 | 79 | 0.54 | 19.59 | 4.0 | 107.19 | 1.3 | 1.8 | 0.27033 | 200 | 75 |
| | | 10 | | | 970 | 86 | 0.86 | 20.54 | 6.0 | 98.45 | 1.3 | 1.8 | | | |
| | 200L12/6A | 7.5 | | 208591- | 485 | 83 | 0.56 | 24.52 | 4.0 | 147.68 | 1.5 | 1.8 | 0.47842 | 238 | 78 |
| | | 13 | | | 970 | 87 | 0.86 | 26.40 | 6.0 | 127.99 | 1.5 | 1.8 | | | |
| | 200L12/6B | 9 | | 208592- | 485 | 83 | 0.57 | 28.90 | 4.0 | 177.22 | 1.5 | 1.8 | 0.58451 | 260 | 78 |
| | | 15 | | | 970 | 87 | 0.87 | 30.11 | 6.0 | 147.68 | 1.5 | 1.8 | | | |
| | 225M12/6A | 12 | | 228391- | 490 | 85 | 0.61 | 35.16 | 4.0 | 233.88 | 1.5 | 1.8 | 0.65971 | 315 | 78 |
| | | 20 | | | 970 | 88 | 0.87 | 39.69 | 6.0 | 196.91 | 1.5 | 1.8 | | | |
| | 250M12/6A | 15 | | 258391- | 490 | 86 | 0.63 | 42.06 | 4.0 | 292.35 | 1.5 | 1.8 | 1.02705 | 388 | 81 |
| | | 24 | | | 980 | 89 | 0.87 | 47.09 | 6.0 | 233.88 | 1.5 | 1.8 | | | |
| | 280S12/6A | 20 | | 288191- | 490 | 88 | 0.63 | 54.81 | 4.0 | 389.80 | 1.5 | 1.8 | 1.59693 | 488 | 81 |
| | | 30 | | | 980 | 89 | 0.87 | 58.87 | 6.0 | 292.35 | 1.5 | 1.8 | | | |
| | 280M12/6A | 24 | | 288391- | 490 | 88 | 0.65 | 63.75 | 4.0 | 467.76 | 1.5 | 1.8 | 1.91104 | 540 | 81 |
| | | 37 | | | 980 | 89 | 0.87 | 72.60 | 6.0 | 360.56 | 1.5 | 1.8 | | | |
| | 100L6/4/2A | 0.75 | | 109521- | 970 | 67 | 0.65 | 2.62 | 5.5 | 7.38 | 1.8 | 1.8 | 0.00878 | 36 | 79 |
| | | 1.3 | | | 1460 | 72 | 0.75 | 3.66 | 6.0 | 8.50 | 1.6 | 1.8 | | | |
| | | 1.8 | | | 2920 | 71 | 0.85 | 4.53 | 7.0 | 5.89 | 1.6 | 1.8 | | | |

# 电机技术数据表 Technical Data Table

IP55-IC411

Insulation class F
temperature rise class B

| Type designation | | Output (kW) | | Product code | Speed r/min | Efficiency Full load 100%η | Power factor cosΦ | Current IN A | Current Is/IN | Torque TN Nm | Torque Ts/TN | Torque TMAX/TN | Moment of inertia J=1/4GD² kgm² | Weight kg | Sound pressur level Lp dB(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 380V50Hz | | | | | | | | | | | | | | | |
| QAD | 112M6/4/2A | 1.1 | QAD | 119321- | 970 | 73 | 0.65 | 3.52 | 5.5 | 10.83 | 1.7 | 1.8 | 0.01289 | 44 | 79 |
| | | 2 | | | 1460 | 74 | 0.81 | 5.07 | 6.0 | 13.08 | 1.4 | 1.8 | | | |
| | | 2.4 | | | 2920 | 74 | 0.85 | 5.80 | 7.0 | 7.85 | 1.6 | 1.8 | | | |
| | 132S6/4/2A | 1.8 | | 139121- | 960 | 75 | 0.71 | 5.14 | 5.5 | 17.91 | 1.4 | 1.8 | 0.02728 | 65 | 83 |
| | | 2.6 | | | 1460 | 78 | 0.83 | 6.10 | 6.0 | 17.01 | 1.3 | 1.8 | | | |
| | | 3 | | | 2900 | 71 | 0.87 | 7.38 | 7.0 | 9.88 | 1.7 | 1.8 | | | |
| | 132M6/4/2A | 2.2 | | 139321- | 960 | 77 | 0.72 | 6.03 | 5.5 | 21.89 | 1.3 | 1.8 | 0.03151 | 78 | 83 |
| | | 3.3 | | | 1440 | 80 | 0.84 | 7.46 | 6.0 | 21.89 | 1.3 | 1.8 | | | |
| | | 4 | | | 2880 | 76 | 0.91 | 8.79 | 7.0 | 13.26 | 1.7 | 1.8 | | | |
| | 132M6/4/2B | 2.6 | | 139322- | 960 | 80 | 0.72 | 6.86 | 5.5 | 25.86 | 1.5 | 1.8 | 0.04015 | 80 | 83 |
| | | 4 | | | 1470 | 80 | 0.84 | 9.04 | 6.0 | 25.99 | 1.4 | 1.8 | | | |
| | | 5 | | | 2880 | 77 | 0.91 | 10.84 | 7.0 | 16.58 | 1.7 | 1.8 | | | |
| | 160M6/4/2A | 3.7 | | 169321- | 980 | 82 | 0.72 | 9.52 | 5.5 | 36.06 | 1.5 | 1.8 | 0.06902 | 125 | 87 |
| | | 5 | | | 1475 | 81 | 0.84 | 11.17 | 6.0 | 32.37 | 1.3 | 1.8 | | | |
| | | 6 | | | 2950 | 76 | 0.91 | 13.18 | 7.0 | 19.42 | 1.4 | 1.8 | | | |
| | 160L6/4/2A | 4.5 | | 169521- | 980 | 83 | 0.72 | 11.44 | 5.5 | 43.85 | 1.5 | 1.8 | 0.08521 | 135 | 87 |
| | | 7 | | | 1475 | 83 | 0.85 | 15.08 | 6.0 | 45.32 | 1.2 | 1.8 | | | |
| | | 9 | | | 2950 | 79 | 0.72 | 18.81 | 7.0 | 29.14 | 1.3 | 1.8 | | | |
| | 112M8/4/2A | 0.65 | | 119341- | 720 | 59 | 0.63 | 2.66 | 4.5 | 8.62 | 1.4 | 1.8 | 0.01289 | 45 | 79 |
| | | 2 | | | 1460 | 74 | 0.81 | 5.07 | 6.0 | 13.08 | 1.3 | 1.8 | | | |
| | | 2.4 | | | 2920 | 74 | 0.85 | 5.80 | 7.0 | 7.85 | 1.2 | 1.8 | | | |
| | 132S8/4/2A | 1 | | 139141- | 720 | 69 | 0.61 | 3.61 | 4.5 | 13.26 | 1.4 | 1.8 | 0.02728 | 68 | 83 |
| | | 2.6 | | | 1460 | 78 | 0.83 | 6.10 | 6.0 | 17.01 | 1.2 | 1.8 | | | |
| | | 3 | | | 2880 | 74 | 0.87 | 7.08 | 7.0 | 9.95 | 1.4 | 1.8 | | | |
| | 132M8/4/2A | 1.3 | | 139341- | 720 | 71 | 0.61 | 4.56 | 4.5 | 17.24 | 1.5 | 1.8 | 0.37968 | 79 | 83 |
| | | 3.7 | | | 1460 | 80 | 0.84 | 8.37 | 6.0 | 24.20 | 1.3 | 1.8 | | | |
| | | 4.5 | | | 2880 | 75 | 0.91 | 10.02 | 7.0 | 14.92 | 1.4 | 1.8 | | | |
| | 160M8/4/2A | 2.2 | | 169341- | 740 | 75 | 0.59 | 7.55 | 4.5 | 28.39 | 1.4 | 1.8 | 0.06902 | 125 | 87 |
| | | 5 | | | 1475 | 81 | 0.84 | 11.17 | 6.0 | 32.37 | 1.3 | 1.8 | | | |
| | | 6 | | | 2950 | 76 | 0.91 | 13.18 | 7.0 | 19.42 | 1.4 | 1.8 | | | |
| | 160L8/4/2A | 2.8 | | 169541- | 740 | 77 | 0.60 | 9.21 | 4.5 | 36.14 | 1.3 | 1.8 | 0.08521 | 130 | 87 |
| | | 7 | | | 1475 | 83 | 0.85 | 15.08 | 6.0 | 45.32 | 1.2 | 1.8 | | | |
| | | 9 | | | 2950 | 79 | 0.92 | 18.81 | 7.0 | 29.14 | 1.3 | 1.8 | | | |
| | 112M8/6/4A | 0.85 | | 119361- | 730 | 62 | 0.56 | 3.72 | 5.5 | 11.12 | 1.7 | 1.8 | 0.01794 | 44 | 74 |
| | | 1 | | | 960 | 68 | 0.73 | 3.06 | 6.5 | 9.95 | 1.3 | 1.8 | | | |
| | | 1.5 | | | 1440 | 75 | 0.86 | 3.53 | 7.0 | 9.95 | 1.5 | 1.8 | | | |
| | 132S8/6/4A | 1.1 | | 139161- | 730 | 68 | 0.60 | 4.10 | 5.5 | 14.39 | 1.4 | 1.8 | 0.04051 | 68 | 74 |
| | | 1.5 | | | 975 | 74 | 0.73 | 4.22 | 6.5 | 14.69 | 1.3 | 1.8 | | | |
| | | 1.8 | | | 1460 | 78 | 0.87 | 4.03 | 7.0 | 11.77 | 1.3 | 1.8 | | | |
| | 132M8/6/4A | 1.5 | | 139361- | 730 | 71 | 0.62 | 5.18 | 5.5 | 19.62 | 1.3 | 1.8 | 0.05316 | 79 | 74 |
| | | 2 | | | 975 | 77 | 0.73 | 5.41 | 6.5 | 19.59 | 1.5 | 1.8 | | | |
| | | 2.2 | | | 1460 | 79 | 0.87 | 4.86 | 7.5 | 14.39 | 1.4 | 1.8 | | | |
| | 132M8/6/4B | 1.8 | | 139362- | 730 | 72 | 0.62 | 6.13 | 5.5 | 23.55 | 1.5 | 1.8 | 0.05965 | 80 | 74 |
| | | 2.6 | | | 975 | 78 | 0.74 | 6.84 | 6.5 | 25.47 | 1.5 | 1.8 | | | |
| | | 3 | | | 1460 | 80 | 0.87 | 6.55 | 7.0 | 19.62 | 1.5 | 1.8 | | | |
| | 160M8/6/4A | 3.3 | | 169361- | 730 | 79 | 0.62 | 10.24 | 5.5 | 43.17 | 1.7 | 1.8 | 0.09630 | 122 | 78 |
| | | 4 | | | 980 | 81 | 0.76 | 9.87 | 6.5 | 38.98 | 1.4 | 1.8 | | | |
| | | 5.5 | | | 1460 | 83 | 0.87 | 11.57 | 7.0 | 35.98 | 1.5 | 1.8 | | | |
| | 160L8/6/4A | 4.5 | | 169561- | 730 | 80 | 0.62 | 13.78 | 5.5 | 58.87 | 1.6 | 1.8 | 0.13030 | 130 | 78 |
| | | 6 | | | 980 | 83 | 0.76 | 14.75 | 6.5 | 58.87 | 1.6 | 1.8 | | | |
| | | 7.5 | | | 1460 | 84 | 0.87 | 15.59 | 7.0 | 49.06 | 1.5 | 1.8 | | | |

# 电机技术数据表 Technical Data Table

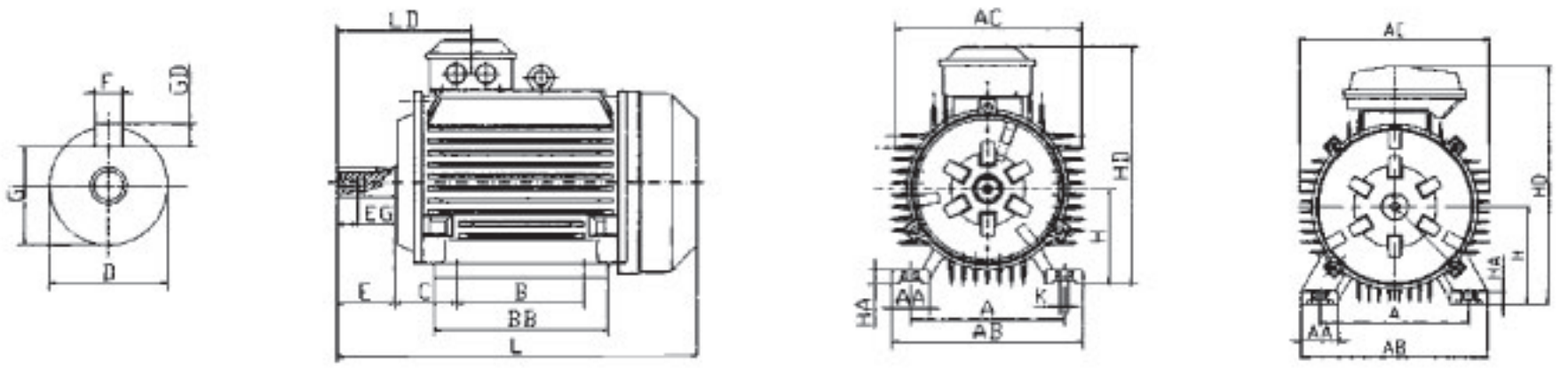
IP55-IC411

Insulation class F
Temperature rise class B

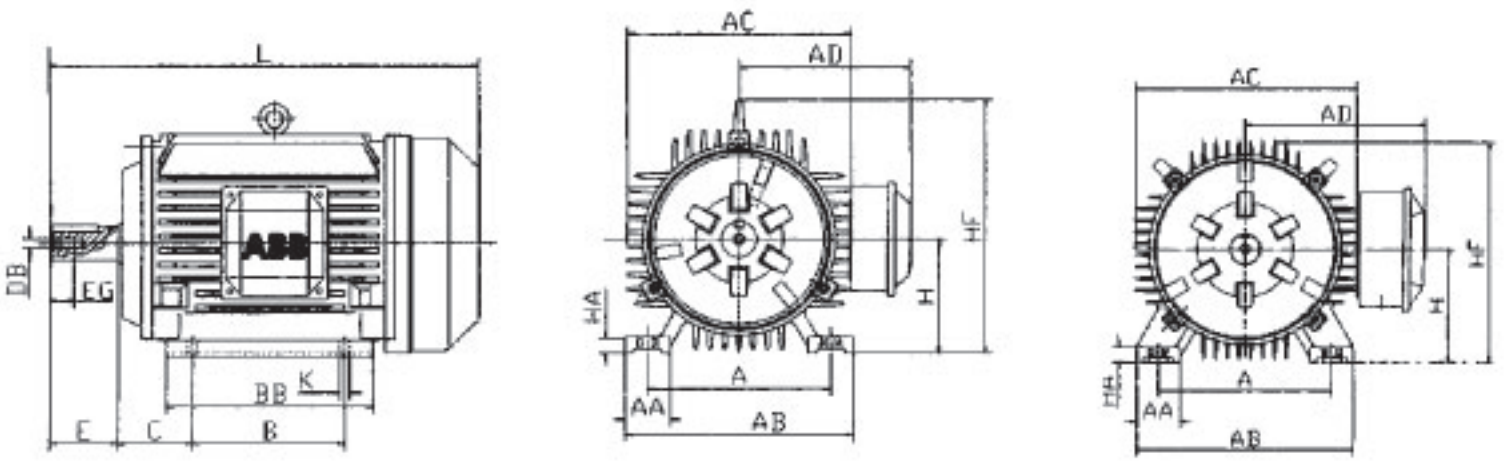
| Type designation | Output (kW) | Product code | Speed r/min | Efficiency Full load 100%η | Power factor cosΦ | Current IN A | Current IS/IN | Torque TN Nm | Torque TS/TN | Torque TMAX/TN | Moment of inertia J=1/4GD² kgm² | Weight kg | Sound pressur level Lp dB(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 380V50Hz | | | | | | | | | | | | | |
| QAD 180L8/6/4A | 7 | QAD 189561- | 725 | 81 | 0.65 | 20.20 | 6.5 | 92.21 | 1.6 | 1.8 | 0.27033 | 197 | 82 |
| | 9 | | 960 | 83 | 0.80 | 20.59 | 7.0 | 87.70 | 1.5 | 1.8 | | | |
| | 12 | | 1450 | 84 | 0.90 | 24.12 | 7.0 | 79.03 | 1.4 | 1.8 | | | |
| 200L8/6/4A | 10 | 209561- | 730 | 85 | 0.72 | 24.83 | 6.5 | 130.82 | 1.6 | 1.8 | 0.58451 | 260 | 82 |
| | 13 | | 960 | 86 | 0.81 | 28.35 | 7.0 | 126.68 | 1.5 | 1.8 | | | |
| | 17 | | 1460 | 86 | 0.90 | 33.37 | 7.0 | 111.20 | 1.4 | 1.8 | | | |
| 225S8/6/4A | 14 | 229161- | 730 | 86 | 0.70 | 35.33 | 6.5 | 183.15 | 1.6 | 1.8 | 0.78781 | 315 | 84 |
| | 18.5 | | 960 | 87 | 0.81 | 39.89 | 7.0 | 180.28 | 1.6 | 1.8 | | | |
| | 24 | | 1460 | 87 | 0.90 | 46.57 | 7.0 | 156.99 | 1.4 | 1.8 | | | |
| 225M8/6/4A | 17 | 229361- | 730 | 87 | 0.70 | 42.41 | 6.5 | 222.40 | 1.6 | 1.8 | 0.88477 | 343 | 84 |
| | 22 | | 960 | 87 | 0.85 | 45.20 | 7.0 | 214.39 | 1.6 | 1.8 | | | |
| | 28 | | 1460 | 87 | 0.90 | 54.33 | 7.0 | 183.15 | 1.4 | 1.8 | | | |
| 250M8/6/4A | 24 | 259361- | 740 | 88 | 0.75 | 55.25 | 6.5 | 309.73 | 1.5 | 1.8 | 1.50755 | 390 | 84 |
| | 26 | | 960 | 88 | 0.85 | 52.81 | 7.0 | 253.37 | 1.6 | 1.8 | | | |
| | 34 | | 1480 | 88 | 0.92 | 63.81 | 7.0 | 219.39 | 1.4 | 1.8 | | | |
| 280S8/6/4A | 30 | 289161- | 740 | 89 | 0.75 | 68.29 | 6.5 | 387.16 | 1.5 | 1.8 | 2.44334 | 490 | 86 |
| | 34 | | 960 | 89 | 0.86 | 67.49 | 7.0 | 331.33 | 1.6 | 1.8 | | | |
| | 42 | | 1480 | 89 | 0.92 | 77.94 | 7.0 | 271.01 | 1.4 | 1.8 | | | |
| 280M8/6/4A | 34 | 289361- | 740 | 89 | 0.75 | 77.39 | 6.5 | 438.78 | 1.4 | 1.8 | | | |
| | 37 | | 960 | 89 | 0.86 | 73.45 | 7.0 | 360.56 | 1.5 | 1.8 | | | |
| | 50 | | 1480 | 89 | 0.92 | 92.78 | 7.0 | 322.64 | 1.4 | 1.8 | | | |
| 180L12/8/6/4A | 3.3 | 189581- | 490 | 72 | 0.55 | 12.66 | 5.0 | 64.32 | 1.6 | 1.8 | 2.80528 | 540 | 86 |
| | 5 | | 735 | 79 | 0.62 | 15.51 | 6.5 | 64.97 | 1.5 | 1.8 | | | |
| | 6.5 | | 970 | 82 | 0.88 | 13.69 | 6.5 | 63.99 | 1.3 | 1.8 | | | |
| | 9 | | 1470 | 83 | 0.89 | 18.51 | 7.0 | 58.47 | 1.3 | 1.8 | 0.30462 | 205 | 82 |
| 200L12/8/6/4A | 4.5 | 209581- | 490 | 74 | 0.56 | 16.50 | 5.0 | 87.70 | 1.3 | 1.8 | | | |
| | 7 | | 730 | 81 | 0.67 | 19.60 | 6.5 | 91.58 | 1.3 | 1.8 | | | |
| | 8 | | 975 | 83 | 0.88 | 16.64 | 6.5 | 78.36 | 1.3 | 1.8 | | | |
| | 11 | | 1480 | 84 | 0.88 | 22.61 | 7.0 | 70.98 | 1.3 | 1.8 | 0.54208 | 241 | 82 |
| 200L12/8/6/4B | 5.5 | 209582- | 490 | 75 | 0.56 | 19.90 | 5.0 | 107.19 | 1.3 | 1.8 | | | |
| | 8 | | 730 | 81 | 0.67 | 22.40 | 6.5 | 104.66 | 1.3 | 1.8 | | | |
| | 10 | | 970 | 83 | 0.88 | 20.80 | 6.5 | 98.45 | 1.3 | 1.8 | | | |
| | 13 | | 1470 | 84 | 0.88 | 26.72 | 7.0 | 84.46 | 1.3 | 1.8 | 0.58451 | 264 | 82 |
| 225M12/8/6/4A | 7 | 229381- | 470 | 81 | 0.63 | 20.84 | 5.0 | 142.23 | 1.6 | 1.8 | | | |
| | 11 | | 730 | 84 | 0.72 | 27.63 | 6.5 | 143.90 | 1.6 | 1.8 | | | |
| | 13 | | 970 | 85 | 0.88 | 26.41 | 6.5 | 127.99 | 1.5 | 1.8 | | | |
| | 20 | | 1430 | 86 | 0.90 | 39.26 | 7.0 | 133.57 | 1.3 | 1.8 | 0.82047 | 318 | 82 |
| 250M12/8/6/4A | 9 | 259381- | 490 | 82 | 0.63 | 26.47 | 5.0 | 175.41 | 1.6 | 1.8 | | | |
| | 14 | | 740 | 85 | 0.73 | 34.28 | 6.5 | 180.68 | 1.6 | 1.8 | | | |
| | 16 | | 960 | 85 | 0.88 | 32.50 | 6.5 | 155.92 | 1.5 | 1.8 | | | |
| | 26 | | 1480 | 87 | 0.92 | 49.36 | 7.0 | 167.77 | 1.3 | 1.8 | 1.33041 | 392 | 84 |
| 280S12/8/6/4A | 11 | 289181- | 490 | 83 | 0.63 | 31.96 | 5.0 | 214.39 | 1.6 | 1.8 | | | |
| | 18.5 | | 740 | 87 | 0.75 | 43.08 | 6.5 | 238.75 | 1.6 | 1.8 | | | |
| | 20 | | 980 | 85 | 0.88 | 40.63 | 6.5 | 194.92 | 1.5 | 1.8 | | | |
| | 34 | | 1480 | 87 | 0.92 | 64.54 | 7.0 | 219.39 | 1.3 | 1.8 | 2.22806 | 492 | 84 |
| 280M12/8/6/4A | 13 | 289381- | 490 | 84 | 0.63 | 37.32 | 5.0 | 253.37 | 1.7 | 1.8 | | | |
| | 22 | | 740 | 87 | 0.75 | 51.23 | 6.5 | 283.92 | 1.7 | 1.8 | | | |
| | 24 | | 980 | 85 | 0.88 | 48.75 | 6.5 | 233.88 | 1.6 | 1.8 | | | |
| | 40 | | 1480 | 88 | 0.92 | 75.07 | 7.0 | 258.11 | 1.5 | 1.8 | 2.66176 | 542 | 86 |

# 电动机外形图 Dimension Drawing

three phase motor, foot mounted, terminal box top-mounted




three phase motor, foot mounted, terminal box on right hand side

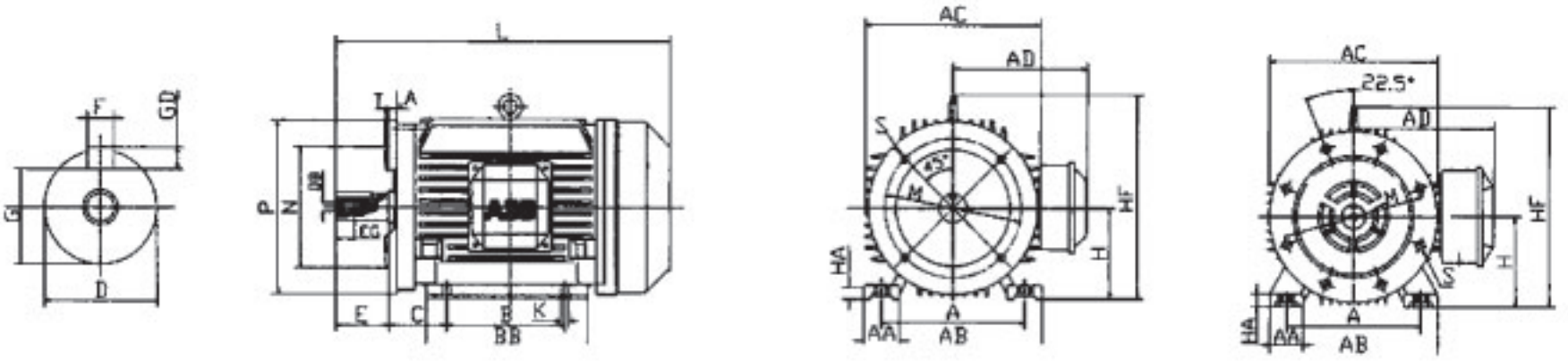



| Type M2QA、QAD | A | AA | AB | AC | B | BB | C | D | E | F | G | GD | DB | EG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80M | 125 | 35 | 160 | 165 | 100 | 135 | 50 | 19 | 40 | 6 | 15.5 | 6 | M6 | 16 |
| 90S | 140 | 35 | 175 | 180 | 100 | 140 | 56 | 24 | 50 | 8 | 20 | 7 | M8 | 19 |
| 90L | 140 | 35 | 175 | 180 | 125 | 165 | 56 | 24 | 50 | 8 | 20 | 7 | M8 | 19 |
| 100L | 160 | 40 | 200 | 205 | 140 | 180 | 63 | 28 | 60 | 8 | 24 | 7 | M10 | 22 |
| 112M | 190 | 50 | 240 | 225 | 140 | 190 | 70 | 28 | 60 | 8 | 24 | 7 | M10 | 22 |
| 132S | 216 | 55 | 270 | 265 | 140 | 205 | 89 | 38 | 80 | 10 | 33 | 8 | M12 | 28 |
| 132M | 216 | 55 | 270 | 265 | 178 | 240 | 89 | 38 | 80 | 10 | 33 | 8 | M12 | 28 |
| 160M | 254 | 60 | 325 | 330 | 210 | 265 | 108 | 42 | 110 | 12 | 37 | 8 | M16 | 36 |
| 160L | 254 | 60 | 325 | 330 | 254 | 310 | 108 | 42 | 110 | 12 | 37 | 8 | M16 | 36 |
| 180M | 279 | 70 | 350 | 355 | 241 | 315 | 121 | 48 | 110 | 14 | 42.5 | 9 | M16 | 36 |
| 180L | 279 | 70 | 350 | 355 | 279 | 350 | 121 | 48 | 110 | 14 | 42.5 | 9 | M16 | 36 |
| 200L | 318 | 70 | 390 | 395 | 305 | 380 | 133 | 55 | 110 | .16 | 49 | 10 | M20 | 39 |
| 225S | 356 | 75 | 435 | 440 | 286 | 380 | 149 | 60 | 140 | 18 | 53 | 11 | M20 | 39 |
| 225M | 356 | 75 | 435 | 440 | 311 | 405 | 149 | 60 | 140 | 18 | 53 | 11 | M20 | 39 |
| 250M | 406 | 80 | 490 | 515 | 349 | 455 | 168 | 65 | 140 | 18 | 58 | 11 | M20 | 39 |
| 280S | 457 | 85 | 555 | 540 | 368 | 490 | 190 | 75 | 140 | 20 | 67.5 | 12 | M20 | 39 |
| 280M | 457 | 85 | 555 | 540 | 419 | 540 | 190 | 75 | 140 | 20 | 67.5 | 12 | M20 | 39 |

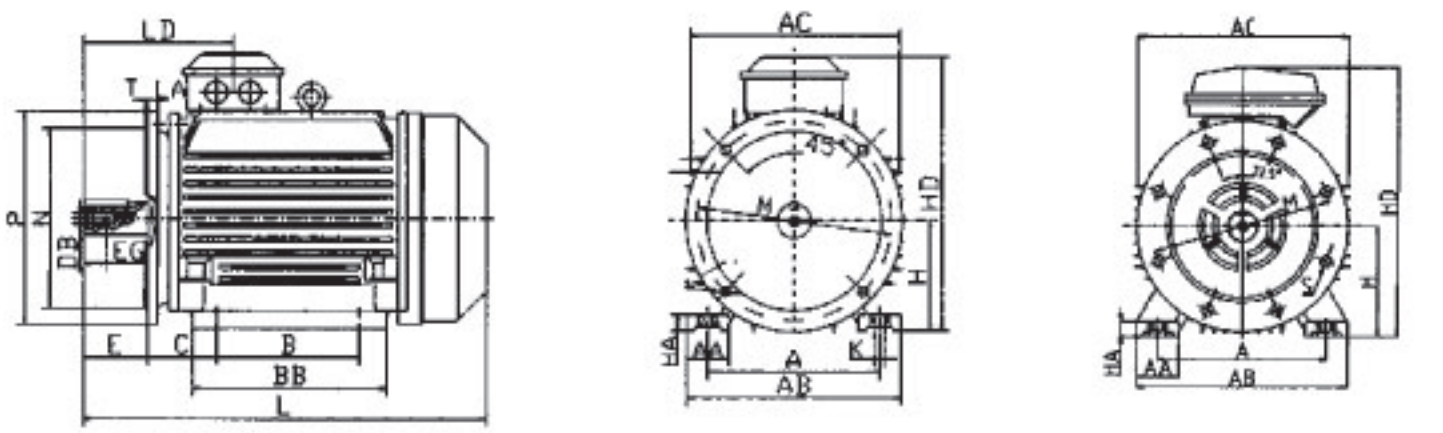
注：QAD电机无DB螺孔。 QAD motors without DB screw hole

## 电动机外形图 Dimension Drawing

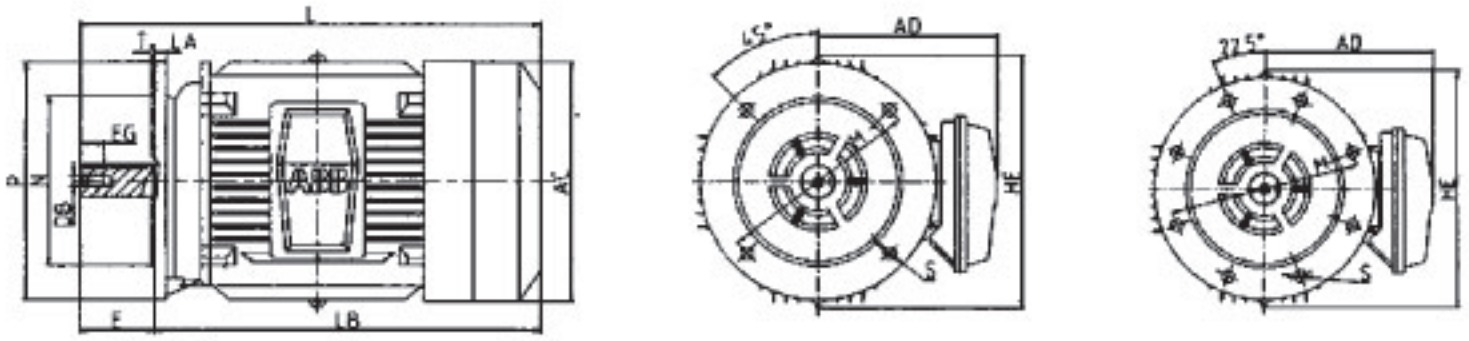
three phase motor, foot-and flange-mounted, terminal box mounted on right hand side




three phase motor, foot-and flange-mounted, terminal box top-mounted




three phase motor, flange mounted




| Type M2QA、QAD | H | HA | HD | HF | K | L | LD | AD | LA | M | N | P | S | T | HE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80M | 80 | 12 | 225 | 170 | 10 | 285 | 116 | 145 | 9 | 165 | 130 | 200 | 12 | 3.5 | 200 |
| 90S | 90 | 12 | 240 | 185 | 10 | 310 | 128 | 150 | 10 | 165 | 130 | 200 | 12 | 3.5 | 200 |
| 90L | 90 | 12 | 240 | 185 | 10 | 335 | 128 | 150 | 10 | 165 | 130 | 200 | 12 | 3.5 | 200 |
| 100L | 100 | 14 | 275 | 245 | 12 | 380 | 138 | 175 | 11 | 215 | 180 | 250 | 15 | 4 | 270 |
| 112M | 112 | 15 | 290 | 265 | 12 | 395 | 144 | 185 | 11 | 215 | 180 | 250 | 15 | 4 | 278 |
| 132S | 132 | 18 | 335 | 300 | 12 | 465 | 169 | 205 | 12 | 265 | 230 | 300 | 15 | 4 | 320 |
| 132M | 132 | 18 | 335 | 300 | 12 | 505 | 169 | 205 | 12 | 265 | 230 | 300 | 15 | 4 | 320 |
| 160M | 160 | 22 | 420 | 380 | 15 | 600 | 250 | 260 | 15 | 300 | 250 | 350 | 19 | 5 | 400 |
| 160L | 160 | 22 | 420 | 380 | 15 | 645 | 250 | 260 | 15 | 300 | 250 | 350 | 19 | 5 | 400 |
| 180M | 180 | 22 | 455 | 420 | 15 | 670 | 270 | 275 | 18 | 300 | 250 | 350 | 19 | 5 | 420 |
| 180L | 180 | 22 | 455 | 420 | 15 | 710 | 270 | 275 | 18 | 300 | 250 | 350 | 19 | 5 | 420 |
| 200L | 200 | 25 | 530 | 470 | 19 | 770 | 285 | 325 | 20 | 350 | 300 | 400 | 19 | 5 | 470 |
| 225S | 225 | 28 | 580 | 520 | 19 | 820 | 340 | 355 | 20 | 400 | 350 | 450 | 19 | 5 | 520 |
| 225M | 225 | 28 | 580 | 520 | 19 | 840 | 340 | 355 | 20 | 400 | 350 | 450 | 19 | 5 | 520 |
| 250M | 250 | 30 | 645 | 580 | 24 | 930 | 360 | 375 | 22 | 500 | 450 | 550 | 19 | 5 | 655 |
| 280S | 280 | 35 | 715 | 645 | 24 | 975 | 355 | 415 | 22 | 500 | 450 | 550 | 19 | 5 | 725 |
| 280M | 280 | 35 | 715 | 645 | 24 | 1040 | 355 | 415 | 22 | 500 | 450 | 550 | 19 | 5 | 725 |

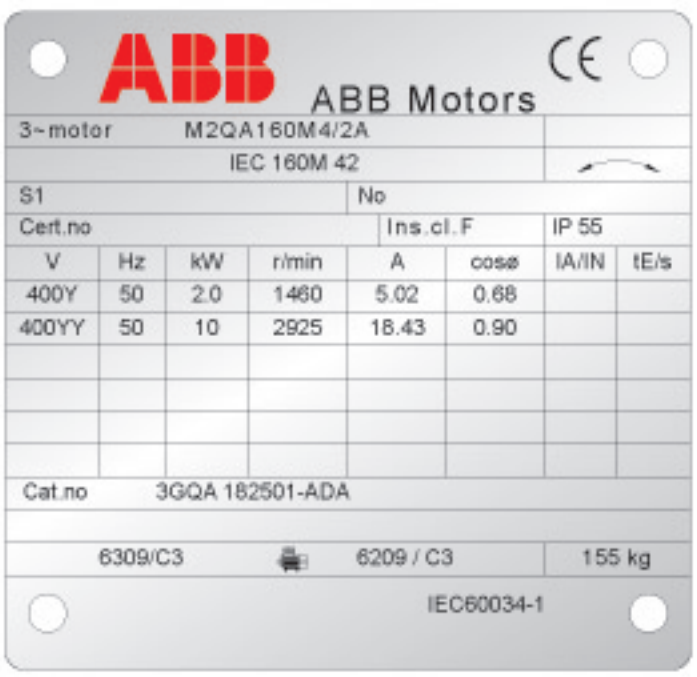
注：QAD电机无DB螺孔。 QAD motors without DB screw hole

## 轴承型号，接线盒出线孔尺寸
## Tybe of Bearing Cable Entry

| 电机规格 | 轴承型号 Type of bearing | | | | 接线盒出线孔 Cable entry | |
|---|---|---|---|---|---|---|
| | M2QA(C) | | QAD(C) | | | |
| | 前 D-end | 后 N-end | 前 D-end | 后 N-end | M2QA | QAD |
| 80M | 6204/C3 | 6204/C3 | 6204/C3 | 6204/C3 | 2-M25x1.5 | M24x1.5 |
| 90S | 6205/C3 | 6205/C3 | 6205/C3 | 6205/C3 | 2-M25x1.5 | M24x1.5 |
| 90L | 6205/C3 | 6205/C3 | 6205/C3 | 6205/C3 | 2-M25x1.5 | M24x1.5 |
| 100L | 6206/C3 | 6206/C3 | 6206/C3 | 6206/C3 | 2-M32x1.5 | M30x2 |
| 112M | 6207/C3 | 6206/C3 | 6207/C3 | 6206/C3 | 2-M32x1.5 | M30x2 |
| 132S | 6208/C3 | 6207/C3 | 6208/C3 | 6207/C3 | 2-M32x1.5 | M30x2 |
| 132M | 6208/C3 | 6207/C3 | 6208/C3 | 6207/C3 | 2-M32x1.5 | M30x2 |
| 160M | 6309/C3 | 6209/C3 | 6209/C3 | 6209/C3 | 2-M40x1.5 | M36x2 |
| 160L | 6309/C3 | 6209/C3 | 6209/C3 | 6209/C3 | 2-M40x1.5 | M36x2 |
| 180M | 6310/C3 | 6210/C3 | 6310/C3 | 6210/C3 | 2-M40x1.5 | M36x2 |
| 180L | 6310/C3 | 6210/C3 | 6310/C3 | 6210/C3 | 2-M40x1.5 | M36x2 |
| 200L | 6312/C3 | 6212/C3 | 6312/C3 | 6212/C3 | 2-M50x1.5 | M48x2 |
| 225S | 6313/C3 | 6213/C3 | 6313/C3 | 6213/C3 | 2-M50x1.5 | M48x2 |
| 225M | 6313/C3 | 6213/C3 | 6313/C3 | 6213/C3 | 2-M50x1.5 | M48x2 |
| 250M | 6314/C3 | 6214/C3 | 6314/C3 | 6214/C3 | 2-M63x1.5 | M64x2 |
| 280S | | | 6316/C3 | 6216/C3 | | M64x2 |
| 280M | | | 6316/C3 | 6216/C3 | | M64x2 |

注: 下表列出了标准配置下的单列深沟球轴承。71-225标配封闭轴承，250-355标配开启式轴承。
Note: The motors are normally fitted with single-row deep groove ball bearings as listed in the table below. Close-type bearing is provided as standard for 71-255, open-type bearing for 250-355.

## 电机铭牌 Rating Plate



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